

Fișa de verificare a îndeplinirii standardelor minimale CNATDCU

Comisia: Inginerie Mecanică, Mecatronică și Robotică

Nume, Prenume Bode Florin
Funcția didactică Profesor
Departamentul Inginerie Mecanica
Facultatea Facultatea de Autovehicule Rutiere, Mecatronica si Mecanica

Specificatie	Domeniul activitatilor	Indicator	Punctaj obtinut	Punctaj minim grila	Realizare Indicatori
Activitatea didactica/profesionala	A.1.1	N1	3.00	2.00	Indeplinit
		N1.1	1.00	1.00	Indeplinit
		N1.3	4.00	1.00	Indeplinit
	A.1.2	N2	9.00	4.00	Indeplinit
		N.2.1	7.00	2.00	Indeplinit
Activitatea de cercetare	A21+A2.3	P1+P2	109.33	10.00	Indeplinit
		P1	109.33	6.00	Indeplinit
	A2.2	N3	74.00	10.00	Indeplinit
		N3.1	17.00	5.00	Indeplinit
	A2.4+A2.5	N4	3.00	2.00	Indeplinit
	N43	1.00	1.00	Indeplinit	
Recunoasterea impactului activitatii	A3.1	S1+S2	740.04	50.00	Indeplinit
	A3.2	N5	25.00	10.00	Indeplinit
	A3.3	C	1965.09	25.00	Indeplinit

Candidat,
 Conf. Dr. Ing. Florin BODE

N.1.1 **Manuale suport de curs (conf. Fisei disciplinei)**

Prim autor

Nr. Crt	Autorii	Nr. Autori	Titlul	Editura	Anul publicarii	ISBN	punctaj
1	Bode Florin, Unguresan Paula	2	Combustie si Instalatii de Ardere	U.T.Press	2015	978-973-662-99-3	1.00
	Total						1.00



N1.2 **Manuale suport de curs (conf. Fisei disciplinei)**

coautor

Nr. Crt	Autorii	Numar autori	Titlul	Editura	Anul publicarii	ISBN	punctaj
1	Unguresan Paula, Bode Florin	2	Termodinamica Aplicata	UTPress	2017	978-606-737-248-9	1.00
2	Catalin TEODOSIU, Vlad IORDACHE, Mihnea SANDU, Cristiana CROITORU, Florin BODE, Ilinca NASTASE	6	Metodologia cercetarii stiintifice pentru doctorat	Conspress	2021	978-973-100-521-8	1.00
Total							2.00

TERMODINAMICA APLICATA

AUTORI: Unguresan Paula, Bode Florin

U.T. Press.

ISBN 978-606-737-248-9



N1.3 Manuale suport de curs (conf. Fisei disciplinei)

Format electronic disponibil pe platforma univ/fac/dep -autor

Nr. Crt	Autorii	Adresa de site	Anul postarii	nr. Autori	punctaj	Disciplina
1	Bode Florin	www.termo.utcluj.ro/instruire/CIA_sau http://cambi.utcb.ro/combustie-si-instalatii-de-ardere_sau https://didatec.sharepoint.com/f/r/sites/2021CombustiesiInstalatiideArdereAlba-lulia3SET/Shared%20Documents/General/CIA?csf=1&web=1&e=cVmEmK	2018	1	1.00	Combustie si Instalatii de Ardere
3	Bode Florin	https://didatec.sharepoint.com/b:r/sites/2022DinamicaGazelorAlba-lulia3SET/Class%20Materials/Dinamica%20Gazelor%20curs.pdf?csf=1&web=1&e=80udDz	2022	1	1.00	Dinamica Gazelor
4	Bode Florin	https://didatec.sharepoint.com/b:r/sites/Simularenumerica-CFD/Class%20Materials/CFD%20curs%20nov%202020.pdf?csf=1&web=1&e=MmIIIIE	2015-2023	1	1.00	Modelarea proceselor termoenenergetice, Metode numerice de analiza a curgerii si câmpurilor termice
5	Balan Mugur, Bode Florin	https://didatec.sharepoint.com/f:r/sites/2022Termotehnica1-InginerieMecanica-Mecatronica/Class%20Materials/Termotehnica?csf=1&web=1&e=hLCSrJ	2022	1	1.00	Termotehnica I
Total					4.00	

COMBUSTIE SI INSTALATII DE ARDERE

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 Reducerea_emisiilor_de_poluanti_atmosferici

Combustie si instalatii de ardere

termo.utcluj.ro/CIA/

Conf. dr. ing. Florin Bode Conf. dr. ing. Paula Ungureanu
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Pagina in lucru - informatiile nu sunt complete!...

Note de curs

Combustibili
 Procesul de ardere
 Calculul procesului de ardere
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 Evacuarea gazelor de ardere
 Reducerea emisiilor de poluanti atmosferici



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Curs 14-Optional_-_Producerea frigului cu aj...	May 13, 2022	Florin Ioan Bode	

N2.1 **Standuri de laborator (constructie/modernizari) certificate de directorul de departament**

Nr. Crt	Denumire stand/an constructie sau modernizare	Anul constructie/ modernizare	Punctal individual
1	Stand pentru determinarea pierderilor de sarcina locale la curgerea prin tubulatura rectangulara si circulara	2019	1.00
2	Stand pentru determinarea debitului de aer la curgerea printr-o conducta	2017	1.00
3	Stand pentru trasarea curbelor caracteristice interioare la un ventilator diagonal	2016	1.00
4	Stand pentru masurarea vitezei printr-o rezistenta hidraulica utilizand tehnica neintruziva PIV	2011	1.00
5	Stand experimental pentru studiul acustic al flacarii	2010	1.00
6	Stand pentru masurarea vitezei aerului utilizand tehnica PIV la curgerea dintr-un arzator turbionar	2009	1.00
7	Stand pentru studiul arderii pentru un arzator turbionar	2008	1.00
	Total		7.00



FACULTATEA DE AUTOVEHICULE RUTIERE, MECATRONICĂ ȘI MECANICĂ
 DEPARTAMENTUL DE INGINERIE MECANICĂ

Prin prezenta se certifică următoarele standuri experimentale de laborator executate de către dl. Conf. dr. ing. Florin Ioan BODE.

Nr. Crt	Denumire stand/an constructie sau modernizare	Anul constructie/ modernizare
1	Stand pentru determinarea pierderilor de sarcina locale la curgerea prin tubulatura rectangulara si circulara	2019
2	Stand pentru determinarea debitului de aer la curgerea printr-o conducta	2017
3	Stand pentru trasarea curbelor caracteristice interioare la un ventilator diagonal	2016
4	Stand pentru masurarea vitezei printr-o rezistenta hidraulica utilizand tehnica neintruziva PIV	2011
5	Stand experimental pentru studiul acustic al flacarii	2010
6	Stand pentru masurarea vitezei aerului utilizand tehnica PIV la curgerea dintr-un arzator turbionar	2009
7	Stand pentru studiul arderii pentru un arzator turbionar	2008

10.08.2023

Director departament Inginerie Mecanică
 Prof. dr. ing. Dan OPRUȚA

1 Stand pentru determinarea pierderilor de sarcina locale la curgerea prin tubulatura rectangulara si circulara



2 Stand pentru determinarea debitului la curgerea printr-o conducta



3 Stand pentru Trasarea curbelor caracteristice interioare la un ventilator diagonal



Figura 1.31 Ventilator diagonal, (RUCK EL 250 D2 01 [1])

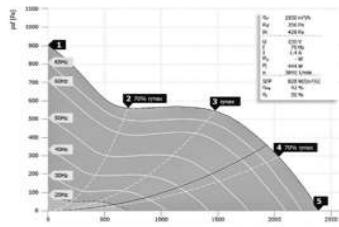
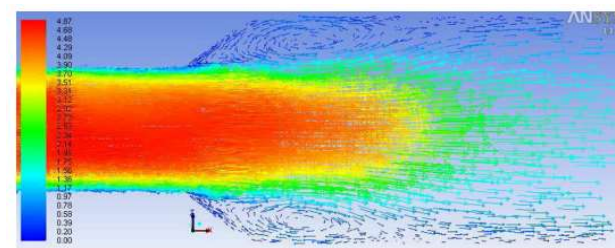
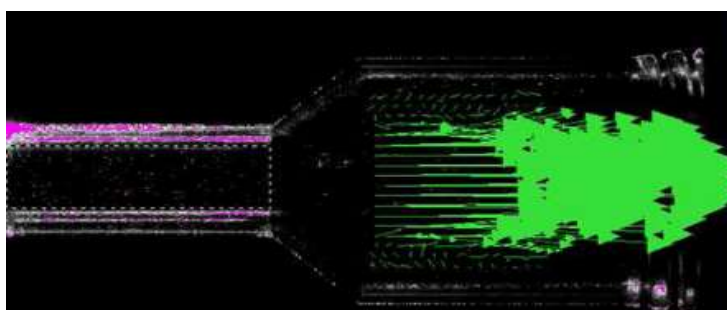
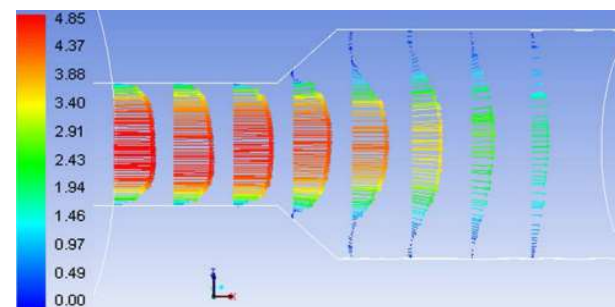
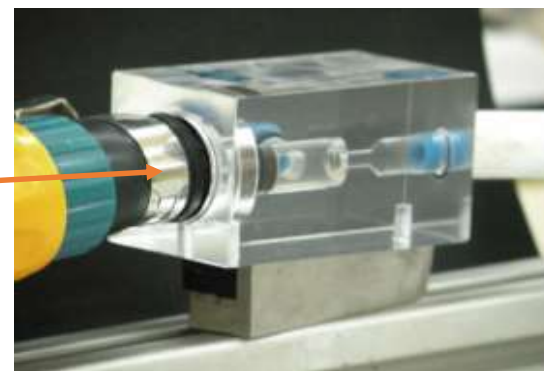
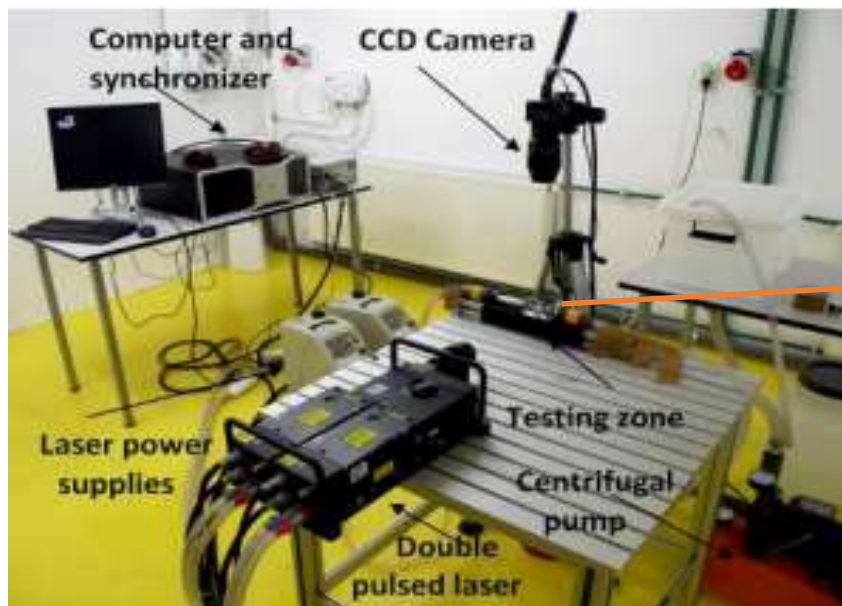


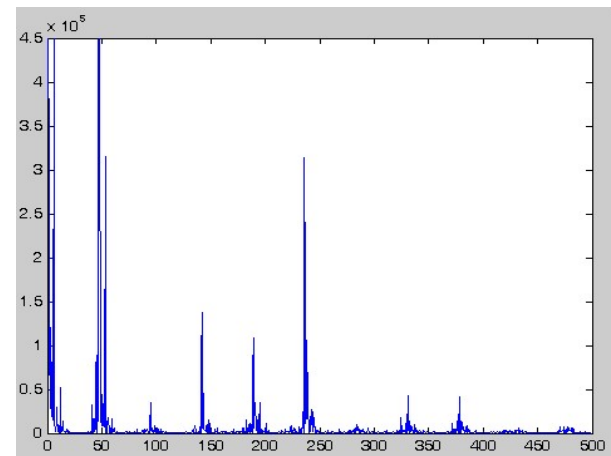
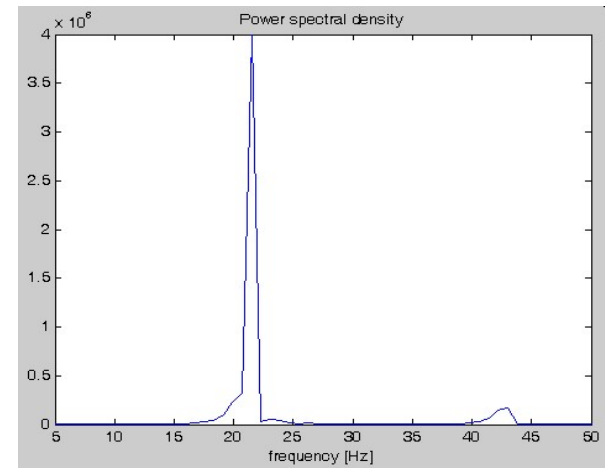
Figura 1.32 Caracteristici tehnice, (RUCK EL 250 D2 01 [1])



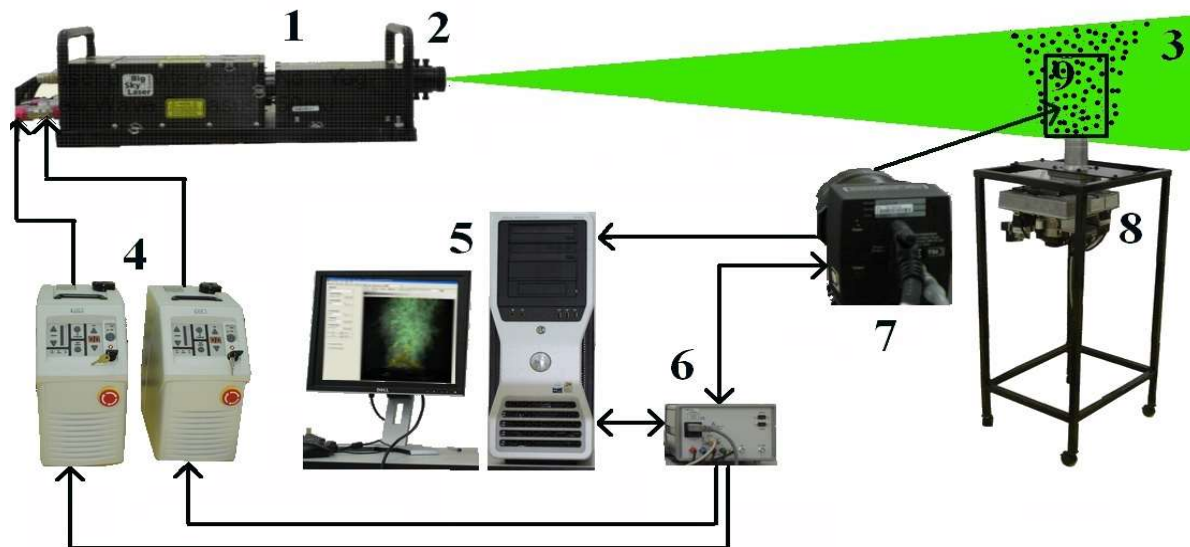
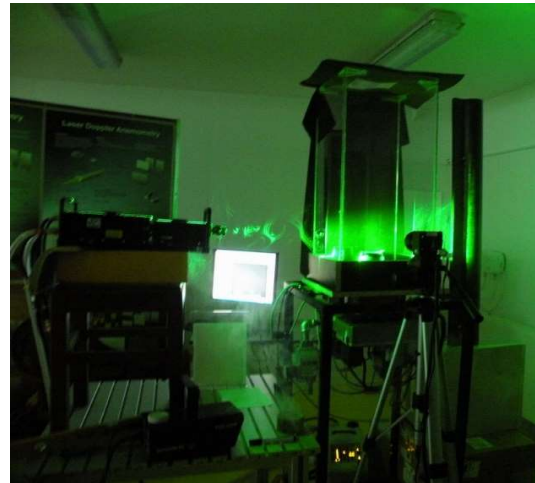
4 Stand pentru masurarea vitezei printr-o rezistenta hidraulica utilizand tehnica neintruziva PIV



5 Stand experimental pentru studiul acustic al flacarii



6 Stand pentru masurarea vitezei aerului utilizand tehnica PIV la curgerea dintr-un arzator turbionar

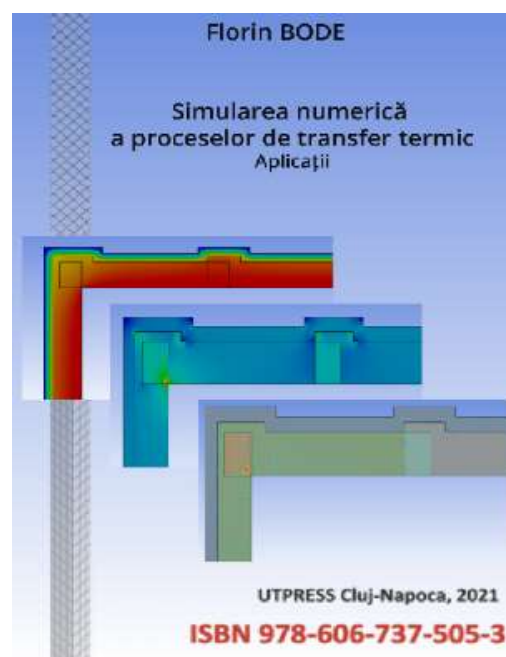
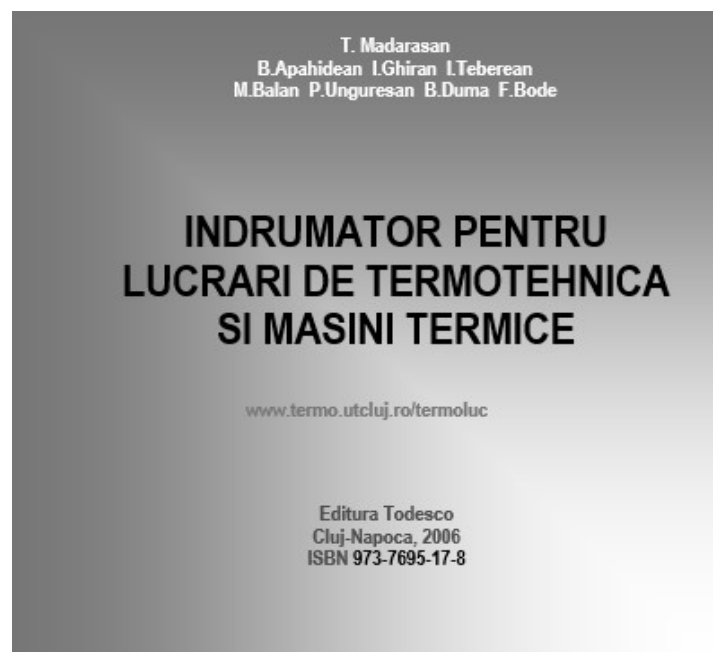


7 Stand pentru studiul arderii pentru un arzator turbionar



N2.2 **Indrumator laborator/carte si aplicatii format tiparit sau electronic**
autor, co-autor

Nr.crt.	Autori	Nr. Autori	Titlul	Anul editarii	ISBN	Punctaj individual
1	Madarasan, T., Apahidean, B., Ghiran, I., Teberean, I., Balan, M., Unguresan, P., Duma, B., Bode, F.	8	Indrumator pentru Lucrari de Termotehnica si Masini Termice	2006	973-7695-17-8	1.00
2	Florin Bode	1	Simularea numerica a proceselor de transfer termic - Aplicatii	2021	978-606-737-505-3	1.00
	Total					2.00



P1.1 **Articole și publicații științifice indexate Web of Science - Thomson Reuters *, ****
Autor corespondent/Prim autor **maxim 3 autori**

Nr. crt.	Autor corespondent=2; Prim autor=1	Nume autori	Titlul lucrării	Denumire Jurnal /ISSN	Volum/ Numar	Anul publicării	nr. pagini (de la .. pana la:)	Factor de impact in anul publicării	Punctaj individual pt n max 3	Accession Number WOS	DOI / Link
1	1	Florin BODE, Amina MESLEM, Cristiana CROITORU	Numerical simulation of a very low Reynolds cross-shaped jet	Journal Mechanika / ISSN 1392-1207	19 / 5	2013	512 - 517	0.336	1.07	000326185300003	https://doi.org/10.5755/j01.mech.19.5.5537
2	1	Florin BODE, Radu BENEĂ, Victor HODOR	Investigation on thermo-acoustical instabilities related to a confined swirling burner	Journal Mechanika / ISSN 1392-1207	1 / 81	2010	37-42	1.144	2.69	000275842100006	https://mechanika.ktu.lt/index.php/Mech/article/view/9757
3	2	Diana LEMIAN, Florin BODE*	Battery-Supercapacitor Energy Storage Systems for Electrical Vehicles: A Review	ENERGIES / ISSN: 1996-1073	15/15	2022	13	3.2	6.80	000839678300001	https://doi.org/10.3390/en15155683
4	1	Florin BODE, Ilinca NASTASE	Numerical investigation of very low Reynolds cross orifice jet for personalized ventilation applications in aircraft cabins	International Journal of Environmental Research and Public Health/ISSN: 1660-4601	20/1	2023	26	4.614	9.63	000909549300001	https://doi.org/10.3390/ijerph20010740
5	1	Florin BODE*, Claudiu PATRASCU, Ilinca NASTASE	Heat and mass transfer enhancement strategies by impinging jets: A literature review	Thermal Science / ISSN 0354-9836	25/4	2021	2637-2652	1.971	4.342	000680669700018	https://doi.org/10.2298/TSCI200713227B
Total									24.53		

* Trebuie sa fim atenti sa nu raportam lucrari ca fiind publicate intr-un jurnal cu IF (de exemplu, din Elsevier) cand, de fapt, ele sunt publicate intr-un jurnal cu un titlu asemanator sau aproape identic cu cel din Elsevier, dar care are cu totul alt statut (de exemplu e doar indexat, nu si cotate, deci nu are IF)

** Nu se iau in considerare decat lucrarile in extenso (cu cel putin 6 pagini, prin exceptie putand avea si minim 4 pagini), in niciun caz abstracte, indiferent ca au aparut intr-un Book of abstracts, sau intr-un jurnal.

P1.2 **Articole și publicații științifice indexate Web of Science - Thomson Reuters *, ****
Autor corespondent/Prim autor **mai mult de 4 autori inclusiv**

Nr. crt.	Autor corespondent =2; Prim autor=1	Numar autori	Nume autori	Titlul lucrării	Denumire Jurnal/ ISSN	Volum/ Numar	Anul publicării	nr. pagini (de la .. pana la:)	Factor de impact in anul publicării	Punctaj individual	Accession Number WOS	DOI / Link
1	1	4	Florin BODE, Corina GIURGEA, Victor HODOR, Paula UNGURESAN	Investigation of the non-reactive flow in a swirling burner	Journal Mechanika / ISSN 1392-1207	5 / 79	2009	42-47	0.78	1.47	WOS:000271802000006	https://mechanika.ktu.lt/index.php/Mech/article/view/15470
2	1	4	Florin BODE, Amina MESLEM, Claudiu PATRASCU, Ilinca NASTASE	Flow and wall shear rate analysis for a cruciform jet impacting on a plate at short distance	Progress in Computational Fluid Dynamics / ISSN 0354-9836	20/3	2020	169-185	1.048	1.87	WOS:000551901900004	https://doi.org/10.1504/PCFD.2020.107276
3	2	7	Ilinca NASTASE, Paul DANCA, Florin BODE*, Cristiana CROITORU, Lucian FECHETE, Mihnea SANDU, Costin Ioan COȘOIU	A regard on the thermal comfort theories from the standpoint of Electric Vehicle design — Review and perspectives	Energy Reports / ISSN 2352-4847	8	2022	10501-10517	5.2	4.63	WOS:000861226700015	https://doi.org/10.1016/j.egy.2022.08.186
4	2	5	Andrei – Stelian BEJAN, Cristiana CROITORU, Florin BODE*, Cătălin TEODOSIU, Tiberiu CATALINA	Experimental investigation of an enhanced transpired air solar collector with embodied phase changing materials	Journal of Cleaner Production / ISSN 0959-6526	336	2022	13	11.1	13.56	WOS:000772936200007	https://doi.org/10.1016/j.jclepro.2022.130398
5	2	7	Ionut Victor VOICU, Florin BODE*, Wassim ABOUD, Hasna LOUAHLIA, Hamid GUALOUS, Mihnea SANDU, Ilinca NASTASE	Experimental and Numerical Study for a Novel Arrangement of a SuperCapacitors Stack to Improve Heat Transfer	Applied Sciences / ISSN: 2076-3417	12/2	2022	19	2.7	2.49	WOS:000747022200001	https://doi.org/10.3390/app12020662
6	2	4	Cristiana CROITORU, Ilinca NASTASE, Florin BODE*, Mihnea SANDU	Assessment of Virtual Thermal Manikins for Thermal Comfort Numerical Studies. Verification and Validation	Science and Technology for the Built Environment / ISSN:2374-4731	28/1	2021	21-41	1.9	3.15	WOS:000648003300001	https://doi.org/10.1080/23744731.2021.1916379
7	1	6	Florin Ioan Bode, Angel Dogeanu, Laurențiu Tăcutu, Ilinca Nastase*, Paul Alexandru Danca, Alexandra Ene (Angelescu)	Experimental study of an innovative perforated air diffuser at real scale conditions	Energy Reports / ISSN 2352-4847	8	2022	1479-149	5.2	5.40	WOS:000865783500008	https://doi.org/10.1016/j.egy.2022.09.001

8	2	5	Cristiana CROITORU, Ilinca NASTASE, Florin BODE, Amina MESLEM, Angel DOGEANU	Thermal comfort models for indoor spaces and vehicles - Current capabilities and future perspectives	RENEWABLE & SUSTAINABLE ENERGY REVIEWS / 1364-0321	44	2015	304-318	6.798	8.40	WOS:000351324300022	https://doi.org/10.1016/j.rser.2014.10.105
9	1	4	Florin BODE, Nicolae Vlad BURNETE, Lucian FECHETE TUTUNARU, Ilinca NASTASE	Improving Electric Vehicle Range and Thermal Comfort through an Innovative Seat Heating System	SUSTAINABILITY / 2071-1050	15 / 6	2023	17	3.9	6.15	WOS:000959929200001	https://doi.org/10.3390/su15065534
Total										47.11		

P1.3 **Articole și publicații științifice indexate Web of Science - Thomson Reuters**
co-autor **maxim 3 autori**

Nr.crt	Nume autori	Titlul lucrării	Denumire Jurnal/ ISSN	Volum/ Numar	Anul publicării	nr. pagini (de la .. pana la:)	Factor de impact in anul publicării	Numar autori	Punctaj individual	Accession Number WOS	DOI / Link
1	Charles BERVILLE, Florin BODE, Cristiana CROITORU	Numerical Simulation Investigation of a Double Skin Transpired Solar Air Collector	Applied Sciences / ISSN: 2076-3417	12/1	2022	18	2.7	3	2.90	WOS:000742995400001	https://doi.org/10.3390/app12010520
Total									2.90		

Nr. crt	Nume autori	Titlul lucrării	Denumire Jurnal/ISSN	Volum/ Numar	Anul publicării	nr. pagini (de la .. pana la:)	Factor de impact in anul publicării	Numar autori	Punctaj individual	Accession Number WOS	DOI / Link
1	Pop, Octavian G.; Tutunaru, Lucian Fechet; Bode, Florin, Abrudan, Ancuta C.; Balan, Mugur C.	Energy efficiency of PCM integrated in fresh air cooling systems in different climatic conditions	APPLIED ENERGY / 0306-2619	212	2018	976-996	8.426	5	5.18	WOS:000425200700074	https://doi.org/10.1016/j.apenergy.2017.12.122
2	Croitoru, Cristiana V.; Nastase, Ilinca; Bode, Florin I.; Amina Meslem	Thermodynamic investigation on an innovative unglazed transpired solar collector	SOLAR ENERGY / 0038-092X	131	2016	21-29	4.018	4	3.16	WOS:000375811400002	https://doi.org/10.1016/j.solener.2016.02.029
3	Sodjavi, Kodjovi; Montagne, Brice; Braganca, Pierre; Florin Bode; Meslem Amina, Kristiawan, M	Impinging cross-shaped submerged jet on a flat plate: a comparison of plane and hemispherical orifice nozzles	MECCANICA / 0025-6455	50	2015	2927-2947	2.02	6	1.11	WOS:000365188800005	https://doi.org/10.1007/s11012-015-0181-5
4	Amina MESLEM, Florin BODE, Cristiana CROITORU, Ilinca NASTASE	Comparison of turbulence models in simulating jet flow from a cross-shaped orifice	EUROPEAN JOURNAL OF MECHANICS B-FLUIDS / 0997-7546	44	2014	100-120	1.656	4	1.39	WOS:000330499900010	https://doi.org/10.1016/j.euromechflu.2013.11.006
5	Amina MESLEM, Vaclav SOBOLIK, Florin BODE, Kodjovi SODJAVI, Yassine ZAOUALI, Ilinca NASTASE, Cristiana CROITORU,	Flow dynamics and mass transfer in impinging circular jet at low Reynolds number. Comparison of convergent and orifice nozzles	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER / 0017-9310	67	2013	25-45	0.929	7	0.48	WOS:000327562100003	https://doi.org/10.1016/j.ijheatmasstransfer.2013.07.096
6	Amina MESLEM, Ilinca NASTASE, Florin BODE, Claudine BEGHEIN,	Optimization of a Lobed Perforated Panel Diffuser - A Numerical Study of Orifice Arrangement	INTERNATIONAL JOURNAL OF VENTILATION / 1473-3315	11	2012	255-270	0.224	4	0.32	WOS:000316641100004	https://doi.org/10.1080/14733315.2012.11683986
7	Ionut Voicu, Rania Rizk, Hasna Louahia, Florin Bode, Hamid Gualous	Experimental and numerical study of supercapacitors module with air-cooling	APPLIED THERMAL ENGINEERING / ISSN: 1359-4311	159	2019	1-12	4.725	5	2.96	WOS:000475999100066	https://doi.org/10.1016/j.applthermaleng.2019.113903
8	Catalin Ioan TEODOSIU, Catalin SIMA, Cristiana CROITORU and Florin BODE	Experimental Investigation and Optimization of a Glazed Transpired Solar Collector	Applied Sciences / ISSN: 2076-3417	12 / 12	2022	18	2.7	4	2.18	WOS:000887156700001	https://doi.org/10.3390/app12211392
9	Paul DANCA, Costin Ioan COȘOIU, Ilinca NASTASE, Florin BODE and Matei Razvan GEORGESCU	Personalized Ventilation as a Possible Strategy for Reducing Airborne Infectious Disease Transmission on Commercial Aircraft	Applied Sciences / ISSN: 2076-3417	12 / 4	2022	24	2.7	5	1.74	WOS:000763191200001	https://doi.org/10.3390/app12042088

10	Dragoş Daniel ION-GUȚĂ, Ioan URUSU, Adrian TOADER, Daniela ENCIU, Paul Alexandru DANCĂ, Ilinca NASTASE, Cristiana Verona CROITORU, Florin BODE, Mihnea SANDU	Advanced Thermal Manikin for Thermal Comfort Assessment in Vehicles and Buildings	Applied Sciences / ISSN: 2076-3417	12 / 4	2022	24	2.7	9	0.97	WOS:000763043300001	https://doi.org/10.3390/app12041826
11	Matei Razvan GEORGESCU, Amina MESLEM, Ilinca NASTASE, Florin BODE	Personalized ventilation solutions for reducing CO2 levels in the crew quarters of the International Space Station	Building and Environment / ISSN 0360-1323	204	2021	12	7.093	4	5.47	WOS:000691764400001	https://doi.org/10.1016/j.buildenv.2021.108150
12	Laurențiu TACUTU, Florin BODE, Ilinca NĂSTASE, Cristiana CROITORU, Angel DOGEANU	Experimental and numerical study on the thermal plumes of a standing and lying human in an operating room	Science and Technology for the Built Environment / ISSN:2374-4731	28/1	2021	2-20	2.094	5	1.38	WOS:000685335100001	https://doi.org/10.1080/23744731.2021.1963133
13	Paul DANCA, Florin BODE, Amina MESLEM, Cristiana CROITORU, Mihnea SANDU, Ilinca NASTASE, Catalin LUNGU, Loretta BATALI	Experimental investigation of thermal vehicular environment during the summer season	Science and Technology for the Built Environment / ISSN:2374-4731	28/1	2021	42-54	2.094	8	0.86	WOS:000643844600001	https://doi.org/10.1080/23744731.2021.1911157
14	Pop Octavian, Berville Charles, Bode Florin, Croitoru Cristiana*	Numerical investigation of cascaded phase change materials use in transpired solar collectors	Energy Reports / ISSN 2352-4847	8	2022	184-193	4.937	4	3.85	WOS:000824053600017	https://doi.org/10.1016/j.egy.2022.06.114
15	Lahmer El Bachir, Moussaoui Mohammed Amine, Bode Florin, Mezrhah Ahmed	Quality of heat transfer assessment of two microprocessors by double-layered mini channel heat sink cooling system for moderate Reynolds number	THERMAL SCIENCE AND ENGINEERING PROGRESS /2451-9049	41	2023	15	4.8	4	3.75	WOS:000981574600001	https://doi.org/10.1016/j.tsep.2023.101804
Total									34.79		

N3.1 **Articole si publicatii BDI (neincluse in A2.1)**
prim autor sau autor corespondent

Nr. crt.	Nume autori	Numar autori	Titlul lucrarii	Denumire Jurnal /ISSN	Volum/ Numar	Anul publicarii	nr. pagini (de la .. pana la:)	Punctaj individual	Link
1	Bode F., Nastase I., Croitoru C.V., Sandu M., Dogeanu A.	5	A Numerical Analysis of the Air Distribution System for the Ventilation of the Crew Quarters on board of the International Space Station	E3S Web of Conferences/2267-1242	32	2018	5	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042928148&doi=10.1051%2fe3sconf%2f20183201006&partnerID=40&md5=a30a99c835f6b0dad39556b2354b9055
2	Bode F., Croitoru C., Tacutu L., Nastase I.	4	Numerical and experimental study for the development of an advanced model of an operating room with surgeons and patient	ieeexplore / 978-1-5386-3943-6		2017	447-451	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041223526&doi=10.1109%2fCIEM.2017.8120780&partnerID=40&md5=90465db0e403e3cc3c8f23eed4f1bbae
3	Bode F., Nastase I., Danca P., Meslem A., Danca P.	5	The Influence of the Inlet Angle of Vehicle Air Diffuser on the Thermal Comfort of Passengers	ieeexplore / 978-1-5386-3943-6		2017	442-446	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041238803&doi=10.1109%2fCIEM.2017.8120779&partnerID=40&md5=00e17b4fe68c36c1d55decb174ae8278
4	Bode F., Nastase I., Croitoru C., Sandu M., Dogeanu A., Ursu I.	6	Preliminary numerical studies for the improvement of the ventilation system of the crew quarters on board of the international space station	INCAS Bulletin / 2066-8201	10	2018	137-143	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048292901&doi=10.13111%2f2066-8201.2018.10.2.13&partnerID=40&md5=840cf107dbf942ae0d2516d71ac47412
5	Bode F., Sodjavi K., Meslem A., Nastase I.	4	Comparison of turbulence models in simulating a cruciform impinging jet on a flat wall	begellhouse / 2377-424X	36	2014	5911-5923	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086055485&doi=10.1615%2fhtc15.nsm.009371&partnerID=40&md5=b7974881dd62382003ab9793029b437a
6	Bode F., Sodjavi K., Meslem A., Nastase I.	4	Numerical prediction of wall shear rate in impinging cross-shaped jet at moderate reynolds number	U.P.B. Sci. Bull., Series D / 1454-2358	76	2014	251-258	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84901499807&partnerID=40&md5=af60330bfb32916d3d1c40d3c7dba34e
7	Giurgea C., Bode F., Ioan Budiu O., Nascutiu L., Banyai D., Damian M.	6	Experimental investigations of the steady flow through an idealized model of a femoral artery bypass	EPJ Web of Conferences / 2100-014X	67	2014	6	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84900556485&doi=10.1051%2fepjconf%2f20146702031&partnerID=40&md5=7528a9cb70fedcde3c43e2bfbfb80949
8	Giurgea C., Bode F., Nascutiu L., Banyai D., Marcu L.	5	On investigating the flow through an axisymmetric channel with sudden changes in geometry	EPJ Web of Conferences / 2100-014X	45	2013	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84881649769&doi=10.1051%2fepjconf%2f20134501119&partnerID=40&md5=11599bf5a614f6481fa30a372d133ff3
9	Bode F.I., Croitoru C.V., Dogeanu A.M., Nastase A.	4	Thermal comfort and ieq assessment of an under-floor air distribution system	ibpsa / 1993-8586		2013	2334-2339	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84886695997&partnerID=40&md5=e8d3100948d0acc4ebf5682c017f96b8

10	Sfarlea I., Bode F., Opruta D.	3	The influence of the sleeve's orifices geometric patterns on the fluid flow through a hydraulic resistance	EPJ Web of Conferences / 2100-014X	45	2013	6	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84881648270&doi=10.1051%2fepjconf%2f20134501113&partnerID=40&md5=9729dba ecec296fcb4170dcd446f5f
11	Irimies O., Bode F., Opruta D.	3	Study regarding the influence of the crimping angle on the performances of the heat exchangers	EPJ Web of Conferences / 2100-014X	45	2013	6	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84881621442&doi=10.1051%2fepjconf%2f20134501109&partnerID=40&md5=92c4d0b b34080e1a1d412f350a2aa5ab
12	F Bode, M Sandu, I Năstase, R Calotă	4	Evaluation of a Ventilating System for Indoor Air Quality and Smoke Exhaust during Fire inside an Underground Parking	IOP Conference Series: Earth and Environmental Science 664 (1), 012008 /ISSN: 1755-1307	664/1	2021	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106409195&doi=10.1088%2f1755-1315%2f664%2f1%2f012009&partnerID=40&md5=9a051323992fb356f8bcd1095db843 53
13	PA Danca, I Nastase, F Bode	3	The influence of different air flows introduced on the thermal comfort of car passengers during the cooling period–Numerical Stud	IOP Conference Series: Earth and Environmental Science 664 (1), 012008 /ISSN: 1755-1307	664/1	2021	9	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106418830&doi=10.1088%2f1755-1315%2f664%2f1%2f012112&partnerID=40&md5=b1ede85796fce585a612ff75a42d5c8 b
14	Bode, F., Jamin, A., Sirbu, G.M	3	Influence of the air diffusers on human thermal comfort inside vehicles – a review article	IOP Conference Series: Earth and Environmental Science 1128 (1), 012008 /ISSN: 1755-1307	1128/1	2023	7	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147340759&doi=10.1088%2f1755-1315%2f1128%2f1%2f012010&partnerID=40&md5=f28d805c3d4d846dfc06228cb4f24a 09
15	Joldoș, T., Bode, F., Opruța, D	3	Numerical and experimental studies to increase the HVAC fan performance for electrical vehicles - Part 1	IOP Conference Series: Earth and Environmental Science /ISSN: 1755-1307	1185/1	2023	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160961519&doi=10.1088%2f1755-1315%2f1185%2f1%2f012042&partnerID=40&md5=b32a513f0359391d51c643206f490 e6a
16	Joldoș, T., Bode, F., Opruța, D	3	Numerical and experimental studies to increase the HVAC fan performance for electrical vehicles - Part 2	IOP Conference Series: Earth and Environmental Science /ISSN: 1755-1307	1185/1	2023	10	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160918320&doi=10.1088%2f1755-1315%2f1185%2f1%2f012043&partnerID=40&md5=d1d5ae1648fef424bec4acc23232af 1e
17	Bode, F., Joldos, T., Nastase, I., Sirbu, G.M	4	Numerical study on high induction air diffusers for improved indoor environmental quality in vehicles	E3S Web of Conferences/2267-1242	396	2023	6	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164520061&doi=10.1051%2fe3sconf%2f202339601102&partnerID=40&md5=ae291 b8be9e58f582d228617c9738534
Total								17.00	

N3.2 Articole si publicatii BDI (neincluse in A2.1)
co-autor

Nr. crt.	<u>Nume autori</u>	Numar autori	Titlul lucrarii	Denumire Jurnal /ISSN	Volum/ Numar	Anul publicarii	nr. pagini (de la .. pana la:)	Punctaj individual	Link
1	Nastase I., Bode F.	2	Impinging jets - A short review on strategies for heat transfer enhancement	E3S Web of Conferences/2267-1242	32	2018	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042943271&doi=10.1051%2fe3sconf%2f20183201013&partnerID=40&md5=faa4c38a962daedac0aad7960e7a0f57
2	Danca P., Bode F., Nastase I., Meslem A.	4	CFD simulation of a cabin thermal environment with and without human body - Thermal comfort evaluation	E3S Web of Conferences/2267-1242	32	2018	6	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042917008&doi=10.1051%2fe3sconf%2f20183201018&partnerID=40&md5=5006421d4bfb0330c98c1fa05aec4ea4
3	Pop O.G., Fechete Tutunaru L., Bode F., Balan M.C.	4	Preliminary investigation of thermal behaviour of PCM based latent heat thermal energy storage	E3S Web of Conferences/2267-1242	32	2018	7	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042937034&doi=10.1051%2fe3sconf%2f20183201017&partnerID=40&md5=8cc721e1833d1c124f7622831e59687b
4	Horobet T., Danca P., Nastase I., Bode F.	4	Preliminary research on virtual thermal comfort of automobile occupants	E3S Web of Conferences/2267-1242	32	2018	6	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042939014&doi=10.1051%2fe3sconf%2f20183201022&partnerID=40&md5=4ff23afc52d702fe5dfb977f7a81a33b
5	Sandu M., Nastase I., Bode F., Croitoru C., Tacutu L.	5	Preliminary Study on a Reduced Scaled Model Regarding the Air Diffusion inside a Crew Quarter on Board of the ISS	E3S Web of Conferences/2267-1242	32	2018	6	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042938678&doi=10.1051%2fe3sconf%2f20183201015&partnerID=40&md5=b807d82f79e9f302f69ccf900d94f8ee
6	Sandu, M., Nastase, I., Croitoru, C., Bode, F	4	Particle image velocimetry investigation for a scaled model of an industrial hall	International Society of Indoor Air Quality and Climate / 978-171382651-4		2018	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105669772&partnerID=40&md5=0807f1c6b543a4be54b094e56f17feb8
7	Tăcutu, L., Năstase, I., Bode, F., Dogeanu, A., Croitoru, C., Sandu, M., Gustiuc, M.	7	Investigations on the convective thermal plume around the head of the standing and lying human body	International Society of Indoor Air Quality and Climate / 978-171382651-4		2018	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105624363&partnerID=40&md5=5523510456ae1084adfbdc6215bf36c
8	Bejan, A., Croitoru, C., Sandu, M., Nastase, I., Bode, F.	5	Solar ventilated façade with PCM integration for air preheating	International Society of Indoor Air Quality and Climate / 978-171382651-4		2018	10	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105614752&partnerID=40&md5=490b69e25f0ba930d97212eda76572b7
9	Sandu M., Bode F., Danca P., Voicu I.	4	Water Flow Structure Optimization Between the Screenings and Grit Removals in a Wastewater Plant	ieeexplore / 978-1-5386-3943-6		2017	101-104	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041178408&doi=10.1109%2fCIEM.2017.8120778&partnerID=40&md5=507aaf03c834b32bd06104b7a417c1a5

10	Danca P., Bode F., Nastase I., Meslem A.	4	On the Possibility of CFD Modeling of the Indoor Environment in a Vehicle	Energy Procedia / 1876-6102	112	2017	656-663	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018308795&doi=10.1016%2fj.egypro.2017.03.1133&partnerID=40&md5=e408b794c22fdc9cb740a566b516b5d0
11	Croitoru C., Bode F., Nastase I., Sandu M., Vasilescu A., Tacutu L.	6	General Ventilation System Optimization Study for Environment Improvement of Sludge Dewatering Area from a Wastewater Treatment Plant	Energy Procedia / 1876-6102	112	2017	640-649	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018346831&doi=10.1016%2fj.egypro.2017.03.1131&partnerID=40&md5=76161ddb3fcc30ea0ff32e8131d23b9a
12	Bejan A.-S., Labihi A., Croitoru C.-V., Bode F., Sandu M.	5	Experimental investigation of the performance of a transpired solar collector acting as a solar wall	ISES Solar World Congress 2017		2017	1977-1986	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050555556&doi=10.18086%2fswc.2017.31.01&partnerID=40&md5=0ada7062567bf94d2713b9d436a1a38d
13	Tăcutu L., Croitoru C., Bode F., Năstase I., Sandu M.	5	Indoor environmental quality enhancement of sludge dewatering area from a wastewater treatment plant	isiaq.org / 978-83-7947-232-1		2017	6	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053888836&partnerID=40&md5=f8b232b9388ee6b6f5c96f4273036143
14	Giurgea C., Bode F., Nascutiu L., Dudescu C.	4	Considerations Regarding the Optically Transparent Rigid Model for PIV Investigations. A Case Study. Part 2: Notes on the Failure of the Model	Energy Procedia / 1876-6102	85	2016	235-243	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964036757&doi=10.1016%2fj.egypro.2015.12.233&partnerID=40&md5=4319819fb23b92d7d06a2e97623880ea
15	Iatan E., Bode F., Nastase I., Damian R.M.	4	Numerical simulation and experimental calculation of the shear velocity over regular spaced hemispheres	U.P.B. Sci. Bull., Series D / 1454-2358	76	2014	265-278	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85010736919&partnerID=40&md5=d7d3aa2bb71a94b84eb20ffaa456eb8f
16	Iliescu M., Sandu M., Nastase I., Iatan E., Bode F.	5	An Experimental Approach Regarding the Sewage Self-Cleansing Conditions	Energy Procedia / 1876-6102	85	2016	266-272	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964005634&doi=10.1016%2fj.egypro.2015.12.244&partnerID=40&md5=27c5a2d54ed07962a0e4f86af49f28aa
17	Iliescu M., Sandu M., Nastase I., Bode F., Iatan E.	5	Study of free surface flow in sewage pipes	sgem.org / 1314-2704	2	2016	759-766	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84994091757&doi=10.5593%2fSGEM2016%2fB52%2fS20_098&partnerID=40&md5=c526863b2de7bf0360745e8a02dfa84f
18	Iatan E., Iliescu M., Bode F., Nastase I., Damian R.M., Sandu M.	6	Numerical Study for Open-channel Flow over Rows of Hemispheres	Energy Procedia / 1876-6102	85	2016	260-265	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964077453&doi=10.1016%2fj.egypro.2015.12.242&partnerID=40&md5=ac3f553c7b2e6657fedbe39978200ef6
19	Nascutiu L., Giurgea C., Damian M., Bode F., Budiu O., Andercou O.	6	Considerations Regarding the Optically Transparent Rigid Model for PIV Investigations. A Case Study. Part1: Model Manufacturing	Energy Procedia / 1876-6102	85	2016	358-365	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964001455&doi=10.1016%2fj.egypro.2015.12.262&partnerID=40&md5=71a40f84fca2fc8cfabf3b271b047780
20	Croitoru C., Dogeanu A., Bode F., Nastase I., Meselm A.	5	Heat transfer analysis for a transpired solar collector numerical model	sgem.org / 1314-2704	1	2015	939-944	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84946714635&partnerID=40&md5=881b9bc740df04d7b8c03c6ba939e039

21	Croitoru C.V., Nastase I., Bode F.I., Meslem A.	4	Innovative solar facade implementation in low energy buildings	Indoor Air		2014	316-323	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84924657163&partnerID=40&md5=d3534ece28570fcc1099b58df4727fc
22	Croitoru C., Bode F., Nastase I., Dogeanu A., Meslem A.	5	Innovative solar wall performance study for low energy buildings applications	sgem.org / 1314-2704	1	2015	307-314	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84946736865&partnerID=40&md5=047e55417e441ac03d2e6d6365105d8c
23	Sodjavi K., Montagné B., Bode F., Kristiawan M., Nastase I., Meslem A.	6	Impinging jet passive control for wall shear stress enhancement	begellhouse / 2377-424X	58	2014	9257-9270	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84985916205&doi=10.1615%2fihct.15.ttr.009552&partnerID=40&md5=9b2c4a40a096b22fa3e3da49f6f74e5f
24	Croitoru C.V., Bode F.I., Meslem MA, Nastase I.	4	Inovative ventilated envelope elements for solar heat recovery in low energy buildings	ibpsa / 1993-8586		2013	1210-1215	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84886680797&partnerID=40&md5=2d95ab97e2eda42274677ca83e504600
25	Meslem A., Bode F., Nastase I., Martin O.	4	Optimization of lobed perforated panel diffuser: Numerical study of orifice geometry	Modern Applied Science / 1913-1852	6	2012	59-73	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84871832579&doi=10.5539%2fmas.v6n12p59&partnerID=40&md5=6a12970391bd9c01935e35d5799097ee
26	Farkas F.A., Bode F., Vuscan I.	3	Contribution for controll of autonomous underwater vehicle (AUV)	Academic Journal of Manufacturing Engineering / 1583-7904	9	2011	42-47	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84876887948&partnerID=40&md5=aae8493fa11e7bad25d93e7c5867436c
27	Plesa, A., Bode, F., Opruta, D.	3	A flow simulation through a heat exchanger channel	Danube Adria Association for Automation and Manufacturing / 1726-9679		2008	1085-1086	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904367507&partnerID=40&md5=892fff95e821080bb6e1b69db8fcc4
28	Bejan, Andrei-Stelian; Bode, Florin; Teodosiu, Catalin; Cristiana Croitoru, Ilinca Nastase	5	Numerical model of a solar ventilated facade element: experimental validation, final parameters and results	E3S Web of Conferences / eISSN: 2267-1242	85	2019	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062400197&doi=10.1051%2fe3sconf%2f20198502013&partnerID=40&md5=9b3ddb9cdc2065a4c7a4c8549a3528de
29	Bejan, Andrei-Stelian; Bode, Florin; Catalina, Tiberiu, Catalin Teodosiu	4	Mesh independency study for an elementary perforated panel part of an air solar collector	E3S Web of Conferences / eISSN: 2267-1242	85	2019	7	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062407853&doi=10.1051%2fe3sconf%2f20198502017&partnerID=40&md5=b383a1ed53ce47db378f3cdd0131cb42
30	Chitaru, George-Madalin; Sandu, Mihnea; Croitoru, Cristiana Verona; Florin Bode	4	Local exhaust ventilation solutions for an industrial hall - Part 1 CFD analysis of the local exhaust systems	E3S Web of Conferences / eISSN: 2267-1242	85	2019	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062411733&doi=10.1051%2fe3sconf%2f20198502012&partnerID=40&md5=4bbed1777dc8925c7894e14cd45c929
31	Danca, Paul; Bode, Florin; Nastase, Ilinca; Cristiana Croitoru; Amina Meslem	5	Experimental and numerical study of the air distribution inside a car cabin	E3S Web of Conferences / eISSN: 2267-1242	85	2019	6	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062398061&doi=10.1051%2fe3sconf%2f20198502014&partnerID=40&md5=6f5309bdb9bf0ff55e9653627606520d

32	Drame, Oumar; Mbow, Cheikh; Bode, Florin; Dia, Samba; Thiam, Omar Ngor;	5	Numerical simulation of the natural, forced and mixed convection in a tunnel with a flat track of sinusoidal shape and a roof opening	E3S Web of Conferences / eISSN: 2267-1242	85	2019	6	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062398285&doi=10.1051%2fe3sconf%2f20198502001&partnerID=40&md5=fa7823dae943073bd74df91f0bdd8521
33	Tacutu, Laurentiu; Nastase, Ilinca; Bode, Florin, Cristiana Croitoru, Angel, Dogeanu, Mihnea Sandu	6	Experimental and numerical investigation on the convective thermal plume around the head of the standing and lying human body	E3S Web of Conferences / eISSN: 2267-1242	85	2019	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062423072&doi=10.1051%2fe3sconf%2f20198502016&partnerID=40&md5=6ccdcda1f13817a830aae12f7aba03ed3
34	Matei-Razvan Georgescu; Amina Meslem; Ilinca Nastase; Mihnea Sandu; Florin Bode	5	Numerical Prediction of Carbon Dioxide Accumulation in the International Space Station Crew Quarters	IEEE/ ISBN:978-1-7281-1532-0		2019	264-268	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078258406&doi=10.1109%2fCIEM46456.2019.8937688&partnerID=40&md5=b1f8437a022e7f556faaf5e5a9c06dae
35	Matei-Razvan Georgescu; Amina Meslem; Ilinca Nastase; Mihnea Sandu; Florin Bode	5	Experimental Study of Carbon Dioxide Accumulation on a Model of the Crew Quarters on the ISS	IEEE/ ISBN:978-1-7281-1532-0		2019	269-273	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078293914&doi=10.1109%2fCIEM46456.2019.8937653&partnerID=40&md5=f15f8488ab64bc259b8a4d4c960f009d
36	Laurentiu Tacutu; Ilinca Nastase; Florin Bode; Angel Dogeanu; Cristiana Croitoru	5	Interaction between a local and a general ventilation system for an operating room with patient	IEEE/ ISBN:978-1-7281-1532-0		2019	348-353	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078221414&doi=10.1109%2fCIEM46456.2019.8937568&partnerID=40&md5=2aa9db1d52e7170f573722b02635864c
37	George Chitaru; Cristiana Croitoru; Mihnea Sandu; Ilinca Nastase; Florin Bode; Angel Dogeanu	6	Optimization process for an industrial ventilation system installed inside a sludge dehydration hall	IEEE/ ISBN:978-1-7281-1532-0		2019	434-438	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078294007&doi=10.1109%2fCIEM46456.2019.8937576&partnerID=40&md5=9d51befb67b53d7e253bd9185f4c4de8
38	Angel Dogeanu; Ilinca Nastase; Ioan Ursu; D. Enciu; Florin Bode; Mihnea Sandu; Cristiana Croitoru; Săndel Zaharia; Gabriel Iana;	9	Real time monitoring network demonstrator for air quality management	IEEE/ ISBN:978-1-7281-1532-0		2019	459-463	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078277329&doi=10.1109%2fCIEM46456.2019.8937625&partnerID=40&md5=8d36d6ad8df0ab01e1bb4f21e238500d
39	Laurentiu Tacutu, Ilinca Nastase and Florin Bode	3	Operating room ventilation with laminar air flow ceiling and a local laminar air flow system near the operating table for the patient	IOP Conference Series: Materials Science and Engineering, 1757-899X	609	2019	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074408785&doi=10.1088%2f1757-899X%2f609%2f3%2f032014&partnerID=40&md5=73ce4ccc2ab396e561cae6e01fd77dd1
40	Paul Danca, Ilinca Nastase, Florin Bode, Cristiana Croitoru, Angel Dogeanu and Amina Meslem	6	Evaluation of the thermal comfort for its occupants inside a vehicle during summer	IOP Conference Series: Materials Science and Engineering, 1757-899X	595	2019	13	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073617268&doi=10.1088%2f1757-899X%2f595%2f1%2f012027&partnerID=40&md5=004c894b9487c1e3bb26cc956370d3d6
41	Andrei - Stelian Bejan, Cristiana Verona Croitoru and Florin Bode	3	Preliminary numerical studies conducted for the numerical model of a real transpired solar collector with integrated phase changing materials	E3S Web of Conferences / eISSN: 2267-1242	111	2019	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071854852&doi=10.1051%2fe3sconf%2f201911103047&partnerID=40&md5=5572c4484803822a543c91affb9b0e97

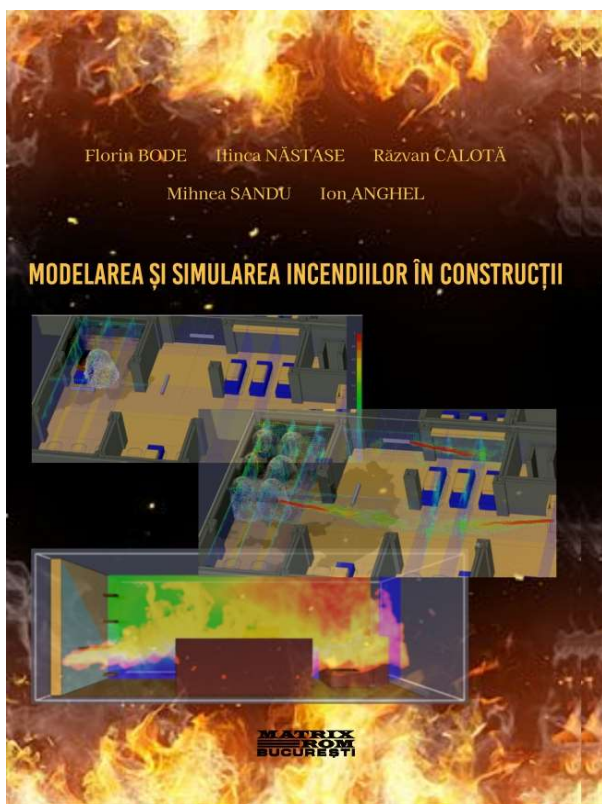
42	Cristiana Croitoru, Ilinca Nastase, Florin Bode and Gabriel Cojocar	4	Assessment of virtual thermal manikins for thermal comfort numerical studies. Verification and validation	E3S Web of Conferences / eISSN: 2267-1242	111	2019	7	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071885004&doi=10.1051%2fe3sconf%2f201911102018&partnerID=40&md5=20fc08833460b42767f27c7dff469af9
43	Laurentiu Tacutu, Ilinca Nastase, Florin Bode, Angel Dogeanu and Cristiana Croitoru	5	Local and general ventilation system for an operating room with surgeons and patient	E3S Web of Conferences / eISSN: 2267-1242	111	2019	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071879383&doi=10.1051%2fe3sconf%2f201911106081&partnerID=40&md5=e115b3d80f0fc33538c1065b1bef341b
44	Matei-Razvan Georgescu, Ilinca Nastase, Amina Meslem, Mihnea Sandu and Florin Bode	5	Design of a Small-Scale Experimental Model of the International Space Station Crew Quarters for a PIV Flow Field Study	E3S Web of Conferences / eISSN: 2267-1242	111	2019	7	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071871959&doi=10.1051%2fe3sconf%2f201911101045&partnerID=40&md5=0d88e029fc599b7f6f5f6bebe61c5860
45	Laurentiu Tacutu, Ilinca Nastase, Florin Bode, Cristiana Croitoru and Catalin Lungu	5	Numerical models development for unidirectional air flow diffusers with lobed and circular orifices	E3S Web of Conferences / eISSN: 2267-1242	111	2019	7	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071856001&doi=10.1051%2fe3sconf%2f201911101049&partnerID=40&md5=7f474be810f8ae7b685687322a1c7dce
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48	C Sima, C Teodosiu, C Croitoru, F Bode	4	Experimental study of heat transfer inside a real scale innovative air solar collector	IOP Conference Series: Earth and Environmental Science 664 (1), 012008 /ISSN: 1755-1307	664/1	2021	8	1.00	https://0710e87og-y-https-www-scopus-com.z.e-information.ro/record/display.uri?eid=2-s2.0-85106437142&origin=resultslist&sort=plf-f&src=s&sid=a185f10edf12818fe58be74c04608f7d&sot=b&sdt=b&s=TITLE-ABS-KEY%28Experimental+study+of+heat+transfer+inside+a+real+scale+innovative+air+solar+collector%29&sl=77&sessionSearchId=a185f10edf12818fe58be74c04608f7d
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56	Danca, P.A., Nicolae, S., Bode, F., Bunea, F.	4	Experimental and numerical investigation of hydrokinetic turbine shrouds	STEF92 Technology / 1314-2704	22/4.1	2022	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150860188&doi=10.5593%2fsgem2022%2f4.1%2fs17.10&partnerID=40&md5=70004847b49214956c7d167eece65cac
57	Ene, A., Teodosiu, C., Bode, F., Georgescu, M	4	Numerical assessment of the condensation phenomenon on a vehicle's windshield	IOP Conference Series: Earth and Environmental Science /ISSN: 1755-1307	1185/1	2023	8	1.00	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160910103&doi=10.1088%2f1755-1315%2f1185%2f1%2f012029&partnerID=40&md5=8c730454867a3e408cc79985d7a4c7cd
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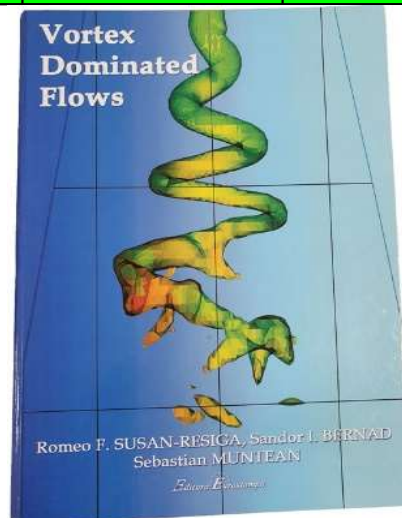
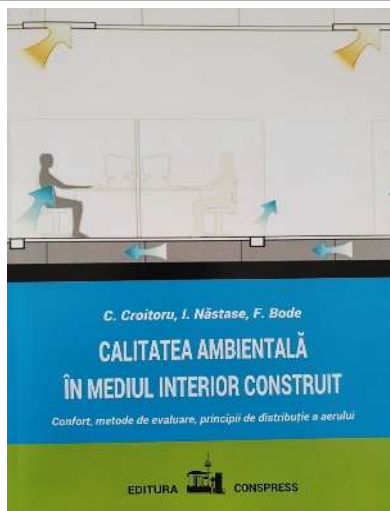
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1	Florin BODE, Ilinca NĂSTASE, Răzvan CALOTĂ, Mihnea SANDU, Ion ANGHEL	Modelarea și simularea incendiilor în construcții	MatrixRom	2022	978-606-25-0766-4	264	1.00
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Nr.crt	Autori	Titlul	Editura	Anul editarii	ISBN	Nr. Pagini	Punctaj individual
1	Cristiana CROITORU, Ilinca NASTASE, Florin BODE	Calitatea ambientală în mediul interior construit - Confort, metode de evaluare, principii de distribuție a aerului	Conspress	2021	978-973-100-522-5	500	1.00
2	Editori: Romeo Susan-Resiga, Bernad Sandor , Muntean Sebastian , Autori: Victor Hodor, Florin Bode, Liviu Ioan Vaida, Calin Vaida, Dan Opruta, Gheorghe Baran, Florentina Bunea, Gabriela Oprina, s.a.	Vortex Dominated Flows	Eurostampa Publishing House	2008	978-973-687-6	492	1.00
Total							2.00



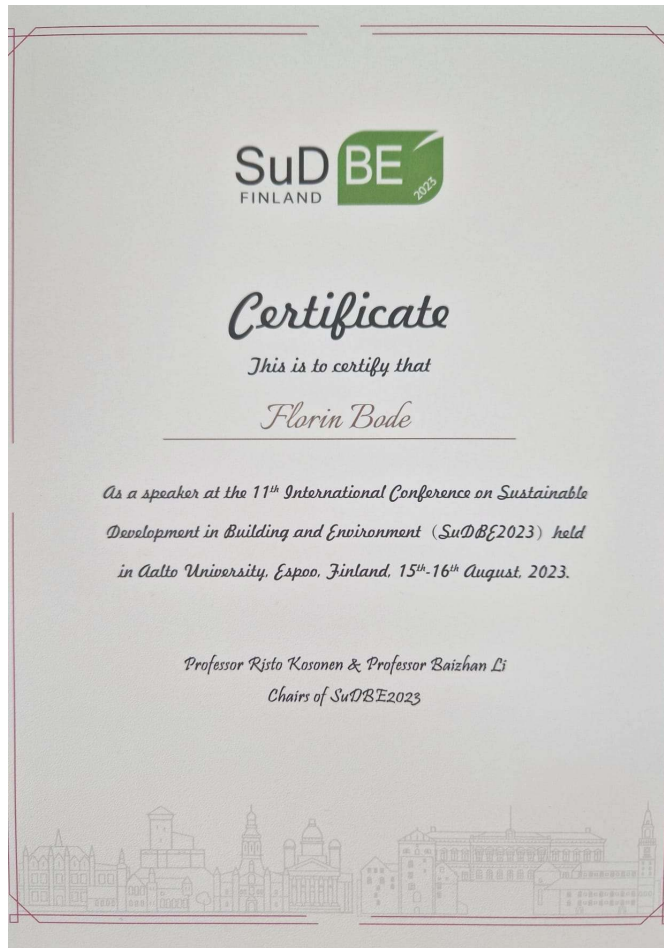
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Nr. Crt.	Tipul activitatii: conferinta/congres=1; workshop international=2; profesor invitat=3	Denumire Congress, workshop/Institutie unde a fost invitat	Anul /perioada (pt. prof. invitat)	Titlul lucrarii sustinute in calitate de autor sau co-autor/ Prelegeri expuse pt profesor invitat	link email/alte modalitati de justificare a activitatii	Punctaj realizat
1	1	International Conference on Sustainable Development in Building and Environment (SuDBE - 2023) - Aalto University, Espoo, Finlanda	2023, 14-18 Aug	Novel air diffuser with increased induction of ambient air for ventilation in vehicles	http://www.sudbeconference.com/uploads/20230119/SuDBE2023%20Programme.pdf	1.00
2	1	IAQVEC 2023, the 11th international conference on indoor air quality, ventilation & energy conservation in buildings/ Tokyo Univ, Tokyo Japonia	2023, 20-23 May	Numerical study on high induction air diffusers for improved indoor environmental quality in vehicles	https://confit.atlas.jp/guide/event/iaqvec2023/participant_login?eventCode=iaqvec2023	1.00
3	2	The 8th Conference of the Sustainable Solutions for Energy and Environment, EENVIRO 2022/ Technical University of Civil Engineering Bucharest	16-20 October, 2022	Workshop international - Innovative high induction air diffusers for improved indoor environmental quality in vehicles	https://www.eenviro.ro/conference-program-2/	1.00
4	1	27TH CONFERENCE OF THE FACULTY OF POWER ENGINEERING AND POWER MACHINES AT THE TECHNICAL UNIVERSITY OF SOFIA, PEPM 2022, Sozopol	2022, 16- 19 September 2022	Influence of the air diffusers on human thermal comfort inside vehicles – a review article	https://copepm21.wixsite.com/website	1.00
5	1	8th European-African Conference on Wind Engineering - 8EACWE / Asociația Română de Ingineria Vântului, Universitatea Tehnică de Construcții București	20-23 sept. 2022	Experimental Study of an Innovative Perforated Air Diffuser at Real Scale Conditions	https://eacwe2022.utcb.ro/	1.00
6	1	5TH INTERNATIONAL CONFERENCE ON BUILDING ENERGY AND ENVIRONMENT - COBEE 2022 - Montreal - Canada - Concordia University	2022, 25- 29 July 2022	CFD investigation of Thermal Energy Storage encapsulation	https://www.cobee2022.org/assets/doc/COBEE2022_Program_V1.pdf	1.00
7	1	The 7th Conference of the Sustainable Solutions for Energy and Environment, EENVIRO 2020 / UTCB, Bucuresti, Romania	2020, 21- 24 Oct	Evaluation of a Ventilating System for Indoor Air Quality and Smoke Exhaust during Fire inside an Underground Parking	https://iopscience.iop.org/article/10.1088/1755-1315/664/1/012009/meta	1.00
8	3	Dalian University of Technology, Dalian, China	2019 / 6-10 Nov	Ventilation strategies for improving air distribution in confined spaces	invitatie / deplasare platita integral de catre universitatea din China	1.00
9	3	School of Environmental Science and Engineering of Tianjin University, Tianjin, China	2019 / 1-5 Nov	Ventilation strategies for improving air distribution in confined spaces and other special applications	invitatie / deplasare platita integral de catre universitatea din China	1.00
10	1	9th International Conference on ENERGY and ENVIRONMENT (CIEM), Politehnica University of Timisoara	2019 / 17-oct	Interaction between a local and a general ventilation system for an operating room with patient	http://ciem.energ.pub.ro/2019/downloads.html#	1.00
11	1	2018 Roomvent & Ventilation 2018 Conference, June 2-5, Aalto University, Espoo, Finland	2018, June 2-5,	Numerical Study for the Improvement of the Ventilation System of the Crew Quarters on Board the International Space Station	https://roomventilation2018.org/rvt2018/wp-content/uploads/2018/05/RV2018_WEB.pdf	1.00
12	1	The 5th International Conference on Sustainable Solutions for Energy and Environment, EENVIRO 2018, Universitatea Tehnica din Cluj-Napoca, Romania	9 - 13 October 2018	Numerical model of a solar ventilated facade element: experimental validation, final parameters and results	https://www.e3s-conferences.org/articles/e3sconf/abs/2019/11/contents/contents.html	1.00

13	1	INDOOR AIR 2018 /USA International Society of Indoor Air Quality & Climate (ISIAQ) Philadelphia USA	July 22, 2018 - Friday July 27	Particle Image Velocimetry Investigation for a Scaled Model of an Industrial Hall	https://www.indoorair2018.org/images/IA2018-Paper-List.pdf	1.00
14	1	COBEE 2018 - Australia / RMIT University, Melbourne, Australia	Feb 5-9th 2018	Inertial elements integration on thermal solar collectors	http://www.cobee2018.net/proceedings-ID.html	1.00
15	1	Healthy Buildings Asia - Taiwan / National Cheng Kung University, Tainan, Taiwan	2-5 Sep 2017	Numerical study of thermal comfort for a patient with experimental validation in a laboratory facility reproducing an OR	https://www.miceapps.com/client/EventAttendeeAbstracts/add/332	1.00
16	1	EENVIRO 2017 - Advances in Heat and Transfer in Built Environment - UTCB Bucharest Romania	23-24 Nov 2017	A Numerical Analysis of the Existing Air Distribution System for the Ventilation of the Crew Quarters on board of the International Space Station	https://www.e3s-conferences.org/articles/e3sconf/abs/2018/07/e3sconf_eenviro2018_01018/e3sconf_eenviro2018_01018.html	1.00
17	1	International Conference on ENERGY and ENVIRONMENT (CIEM)/ Bucuresti, Romania, UPB	19-20 Oct 2017	Numerical and experimental study for the development of an advanced model of an operating room with surgeons and patient	https://ieeexplore.ieee.org/document/8120780	1.00
18	2	Sustainable Solutions for Energy and Environment, EENVIRO 2016, Bucharest, Romania, UTCB	26-28 October 2016	CFD modeling of jet flows and applications: the example of Personalized Ventilation systems	https://www.sciencedirect.com/science/article/pii/S1876610217312560	1.00
19	2	Romanian Academy Seminar with the theme: Balance between energy efficiency, environmental quality and comfort in buildings and other premises in occupied spaces. Solutions and current challenges. Organizer: Romanian Academy, Department of Technical Sciences, Renewable Energy Commission, Acad. Viorel Badescu, november 18, 2014	18 Nov. 2014	Personalized ventilation systems and their impact on user comfort		1.00
20	1	Sustainable Solutions for Energy and Environment, EENVIRO 2016, Bucharest, Romania, UTCB	4-6 Iunie 2014	Numerical study of a personalized ventilation system		1.00
21	1	The 6th International Conference on ENERGY and ENVIRONMENT (CIEM)	7-8 Nov. 2013	Wall shear rate numerical prediction of an impinging cross-shaped jet at moderate Reynolds number	http://ciem.upb.ro/2013/index.html	1.00
22	1	Young Reseachers Conference, YRC 2012 / Universitatea Tehnică de Construcții București	14-15 Nov 2012	RANS models comparison for a cross-shaped jet flow with straight lobes		1.00
23	1	33rd AIVC Conference " Optimising Ventilative Cooling and Airtightness for [Nearly] Zero-Energy Buildings, IAQ and Comfort", Copenhagen, Denmark, Technical University of Denmark - DTU	10-12 Oct 2012	RANS and LES models comparison for a cross-shaped jet flow with application in personalized ventilation	https://www.aivc.org/resource/rans-and-les-models-comparison-cross-shaped-jet-flow-application-personalized-ventilation	1.00
24	1	Young Reseachers Conference, YRC 2011 / Universitatea Tehnică de Construcții București	17-18 Nov 2011	Mesh dependence study using large eddy simulation of a very low Reynolds cross-shaped jet		1.00
25	1	9th International Scientific Conference, Automation in production planning and manufacturing, Žilina - Turčianske Teplice, Slovak Republic	5-7 Mai 2008	Combustion module activation in CFD design of an methane swirl burner		1.00

Total

25.00



Programme in Details

T2.1 Air Quality and Healthy Building

Time 14:00-15:20 15th Aug Venue Room U147 (U5) Chairs Prof. Panu Mustakallio & Prof. Wei Yu

Time	Presenter	Title	Organization	Speech Title
20min	Yuexia Sun	Professor	Tianjin University	Health-demand ventilation control strategy in Chinese homes: how much ventilation do we need to protect occupants' health
20min	Florin Bode	Associate Professor	Technical University of Cluj-Napoca	Novel air diffuser with increased induction of ambient air for ventilation in vehicles
20min	Gaofeng Deng	Director	CABR Technology CO.,LTD.	Classification and evaluation of indoor air quality in civil buildings
20min	Yun Zou	Professor	Jiangnan University	Quantitative analysis of the impact of occupant behavior on building energy consumption and carbon emissions



Day 2:
Monday
5 May
22

Time	Session title	Chairman	Co-Chairman	Session title	Chairman	Co-Chairman	Session title	Chairman	Co-Chairman	Session title	Chairman	Co-Chairman	Session title	Chairman	Co-Chairman	Session title	Chairman	Co-Chairman	Session title	Chairman	Co-Chairman
14:20	11A0 Aerosol 4			Thermal Comfort and Adaptation 3			3 Energy Efficient and Health 5			2 CFD, AI, and Airflow 1			1 Infection Prevention 1			4 Solar System 1			5 Outdoor Environment 4		
15:20	11A0 Aerosol 5			Thermal Comfort and Adaptation 4			3 Thermal Performance 1			2 CFD, AI, and Airflow 2			1 Infection Prevention 2			4 Solar System 2			5 Outdoor Environment 5		
15:30	11A0 Aerosol 6			Thermal Comfort and Adaptation 5			3 Thermal Performance 2			2 Ventilation 7			1 Infection Prevention 3			3 Retrofit and Renovation 1			1 Sensor Monitoring 1		
16:30	11A0 Aerosol 7			Thermal Comfort and Adaptation 6			3 Thermal Performance 3			2 Ventilation 8			1 Infection Prevention 4			3 Retrofit and Renovation 2			1 Sensor Monitoring 2		
16:50	11A0 Aerosol 8			Thermal Comfort and Adaptation 7			3 Thermal Performance 4			2 Ventilation 9			1 Infection Prevention 5			3 Retrofit and Renovation 3			1 Sensor Monitoring 3		
17:50	11A0 Aerosol 9			Thermal Comfort and Adaptation 8			3 Thermal Performance 5			2 Ventilation 10			1 Infection Prevention 6			3 Retrofit and Renovation 4			1 Sensor Monitoring 4		
10:40	11A0 Aerosol 10			Thermal Comfort and Adaptation 9			3 Thermal Performance 6			2 Ventilation 11			1 Infection Prevention 7			3 Retrofit and Renovation 5			1 Sensor Monitoring 5		
11:40	11A0 Aerosol 11			Thermal Comfort and Adaptation 10			3 Thermal Performance 7			2 Ventilation 12			1 Infection Prevention 8			3 Retrofit and Renovation 6			1 Sensor Monitoring 6		
13:00	11A0 Aerosol 12			Thermal Comfort and Adaptation 11			3 Thermal Performance 8			2 Ventilation 13			1 Infection Prevention 9			3 Retrofit and Renovation 7			1 Sensor Monitoring 7		
14:00	11A0 Aerosol 13			Thermal Comfort and Adaptation 12			3 Thermal Performance 9			2 Ventilation 14			1 Infection Prevention 10			3 Retrofit and Renovation 8			1 Sensor Monitoring 8		
14:10	11A0 Aerosol 14			Thermal Comfort and Adaptation 13			3 Thermal Performance 10			2 Ventilation 15			1 Infection Prevention 11			3 Retrofit and Renovation 9			1 Sensor Monitoring 9		

Day 3:
Tuesday
5 May
23



3 The 8th Conference of the Sustainable Solutions for Energy and Environment, EENVIRO 2022/ Technical University of Civil Engineering Bucharest

16-20 October, 2022

14 ⁰⁰ - 14 ³⁰	Keynote Lecture - Ph.D. Eng. Gabriel Mihai ȘIRBU <i>Renault Technologie Romania, Romania</i> Evolutions of European passenger cars following new regulations regarding vehicle emissions and decarbonization		
14 ³⁰ - 15 ³⁰	SESSION 2 - Lecture Hall I.2 Chairperson: Assoc. Prof. Cătălin TEODOSIU, <i>Technical University of Civil Engineering Bucharest</i> Prof. Gabriela ȚĂRLEA <i>Technical University of Civil Engineering Bucharest</i>		
14 ³⁰ - 14 ⁴⁵	Mihai-Liviu Stoian, Carmen Răcănel	Technical University of Civil Engineering Bucharest	ID51: Improved sustainability for railway track components transport
14 ⁴⁵ - 15 ⁰⁰	Giurgea Dragos Constantin, Grația Țârlea	Technical University of Civil Engineering Bucharest	ID9: Development of a system with photovoltaic panels
15 ⁰⁰ - 15 ¹⁵	Alexandra Ene, Catalin Ioan Teodosiu, Florin Bode	Technical University of Civil Engineering Bucharest	ID67: Numerical assessment of the condensation phenomenon on a vehicle's windshield
15 ¹⁵ - 15 ³⁰	Sebastian-Barbu Barbes, Ana-Cornelia Badea, Vlad Iordache	Technical University of Civil Engineering Bucharest	ID55: Volatile organic compounds losses simulation during storage of gasoline
14 ³⁰ - 15 ³⁰	Workshop within the Project PED INNOVENT - Room I.4 Chairperson: Assoc. Prof. Florin BODE <i>Technical University of Civil Engineering Bucharest, Romania</i> <i>Technical University of Cluj-Napoca, Romania</i>		





CONFERENCE AGENDA

Day 2 – 17. September, Saturday

09:00 – 12:00 Registration

10:00 – 10:30 Opening ceremony – Assoc. Prof. A. Terziev

10:30 – 12:00 "A word from the sponsors" – Honeywell, Hoval, Hexonic, GAOBK

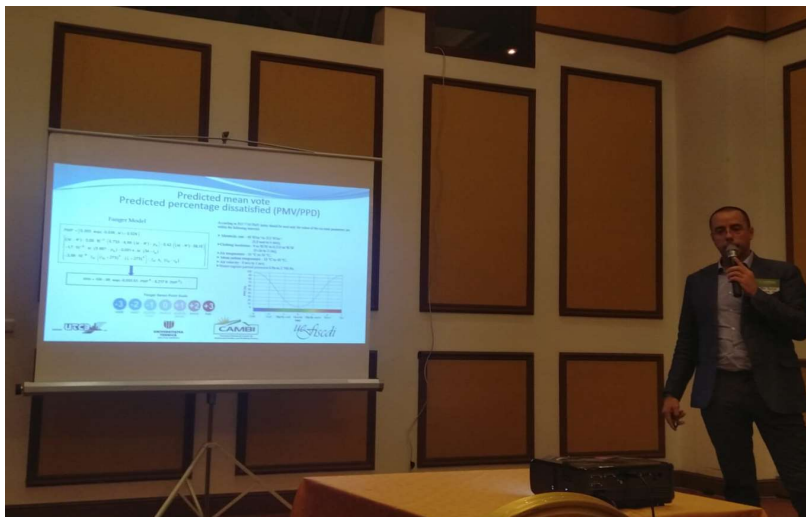
12:00 – 13:30 Lunch break – On your own

13:30 – 15:00 Keynote lectures – Chairman: Assoc. Prof. M. Ivanov

13:30 – 13:50	Ilinca Nastase, CAMBI Research Center, Building Services Faculty, Technical University of Civil Engineering of Bucharest, Romania "Consideration on the role ventilation and air conditioning systems during COVID-19 times: source control, ventilation, air distribution"
13:50 – 14:10	Sanja Ercegović Rašić University of Zagreb Faculty of Textile Technology "Applicability of polymers printed on textiles with a 3D printer for possible use in car interior"
14:10 – 14:30	Florin Bode Technical University of Cluj-Napoca, Thermal Engineering Group, Mechanical Engineering Department, Faculty of Automotive, Mechatronics and Mechanics "Improving vehicle range and thermal comfort of electrified vehicles"
14:30 – 14:50	Mihnea Sandu CAMBI Research Center, Building Services Faculty, Technical University of Civil Engineering of Bucharest, Romania "Intelligent System for Heat Energy Utilization from Wastewaters"

15:00 – 15:30 Coffee break





Experimental Study of an Innovative Perforated Air Diffuser at Real Scale Conditions

Florin Bode^{a,b}, Angel Dogeanu^b, Laurențiu Tăcutu^b, Ilinca Nastase^b, Costin Cosiu^c, Paul Danca^{b,d}

^a Technical University of Cluj Napoca, Faculty of Automotive, Mechatronics and Mechanics, Romania

^b Technical University of Civil Engineering Bucharest, Romania, CAMBI Research Center

^c Technical University of Civil Engineering Bucharest, Romania, Aerodynamics and Wind Engineering Laboratory "Constantin Iamandi"

^d National Research-Development Institute for Electrical Engineering ICPE-CA, Bucharest, Romania

8th European-African Conference on Wind Engineering, September 20-23, 2022, Bucharest, Romania



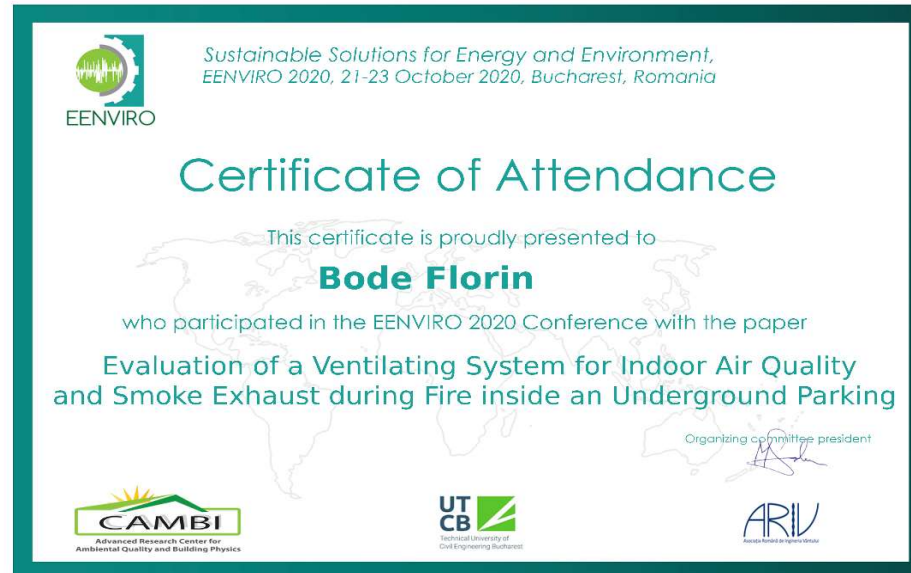


Advanced Modeling and Building Simulations, CFD 7	4 FP – 4 EA	Session Chair: Poncet, Sébastien
Modified Froude Modelling for Solar Roof Fire-Induced Smoke Movement	FP	Zhang, Xin; Aram, Monireh; Qi, Dahai; Wang, Liangzhu (Leon)
CFD Investigation of Thermal Energy Storage encapsulation	FP	Charles, Bernice; Bode, Florin ; Cristiana, Croitoru; Nastase, Ilirica; Gholamalipour, Payam; Ge, Hua; Stathopoulos, Ted
Wind-driven Rain (WDR) Distribution on Buildings: Influential Parameters	FP	Zhu, Mingya; Pan, Yiqun; Zeng, Fei; Wu, Zejun; Huang, Zhizhong; Kosonen, Risto
Case study on inter-building occupancy using GIS-based movement data on campus	FP	Qian, Yuchong; LENG, Jiawei
Mapping the intervention level index of historical residence from occupant's perspective by a data-driven evaluation scheme	EA	Zhang, Xin; Aram, Monireh; Qi, Dahai; Wang, Liangzhu (Leon)
Study of solar roof fire-induced smoke spread using helium smoke	EA	Ding, Puxian; Zhou, Xiaoqing
An Efficient Numerical Approach for Simulating Airflows around an Isolated Building and Cross-ventilation Flows of a Generic Building	EA	Good, Joel; Ozkan, Aylin
Thermal Resilience of a Zero Carbon Community Hub	EA	
Causal relationships in the built environment from network	3	Stratini, Harris
Advanced Modeling and Building Simulations, CFD 5	6 FP	Session Chair: Bode, Florin
Assessing RBFMOpt and Hype's performance based on the number of fitness functions	FP	Da Silva, Mario Alves; Garcia, Rafael de Paula; Carlo, Joyce Correna
Numerical Analysis of Two Air Conditioning Systems for Thermal Comfort in School Classrooms in Oman: Stratum vs DX Split Systems	FP	Murad Khan, Hayder; Al-Saadi, Saleh; Al-Hashim, Ayla; Al-Khatiri, Hanan
Energy-Saving Optimization of External Wall for Residential Building for the Aged: A case from hot-summer and cold-winter zone in China	FP	He, Xingshuo; Liu, Gang; Shi, Feng
A CFD approach to investigate the effect of the flow field on thermal and moisture transport enhancement of a small-scale MOF dehumidifier	FP	Zu, Kan; Qin, Menghao
Parameter Uncertainty and performance gap in energy simulation of transparent building envelopes	FP	Kim, Young-Sub; Park, Cheol-Soo
Testing Processes for Building Envelope Innovation: The Building Future Lab	FP	Trombetta, Corrado; Cavanna, Giovanni; Grillo, Evelyn; Mandaglio, Mariateresa; Musarella, Caterina Claudia; Sansotta, Sara; Milardi, Martino
Advanced Modeling and Building Simulations, CFD 6	6 FP	Session Chair: Bode, Florin
Wind tunnel measurements and CFD simulations of wind pressure distribution on the facades of a large educational building: validation of RANS and SAS	FP	van Hooff, Twan; Gillmeier, Stefanie; Verbruggen, Marlies
Developing a coupled spectral-dependent radiative cooling and building energy model	FP	Yu, Xinxian; Chen, Chun
CFD simulations of pollutant dispersion in a street canyon: Impact of ideal versus realistic source emissions	FP	Qin, Peng; Ricci, Alessio; Blocken, Bert
Energy-saving potential of thermochromic glazing in a cold climate	FP	khaled, Khaled; Berardi, Umberto; Liao, Zaiyi
Fast Fluid Dynamics Simulation of the Tree Canopy Drag Effect with OpenFOAM	FP	Li, Ruijin; Liu, Zhanpeng; Feng, Lu; Gao, Naiping
Office Design Decisions and Indoor Environmental Quality: A Parametric Design and Simulation-Based Workflow	FP	Fathi, Arefeh Sadat; O'Brien, Liam



FRIDAY 23rd of October 2020**Location - Microsoft Teams**

09 ³⁰ - 10 ⁰⁰	EENVIRO - REGISTRATION		
10 ⁰⁰ - 11 ³⁰	KEYNOTES SPEAKERS <i>Chairperson: Mihnea SANDU</i> <i>Technical University of Civil Engineering Bucharest, Romania</i>		
10 ⁰⁰ - 10 ⁴⁵	Keynote Lecture – Laura AELENEI <i>National Laboratory of Energy and Geology (LNEG), Portugal</i> Positive Energy Districts for Urban Energy Transitions		
10 ⁴⁵ - 11 ³⁰	Keynote Lecture – Ashish SHUKLA <i>Coventry University, England</i> Sustainability – Choices or lifestyle		
11 ³⁰ - 11 ⁴⁵	BREAK		
11 ⁴⁵ - 13 ⁰⁵	SESSION VI - Environment <i>Chairperson: Cristiana CROITORU, Nicolae ANTONESCU</i>		
11 ⁴⁵ - 11 ⁵⁵	6. Nicolae Antonescu, Dan-Paul Stănescu	Technical University of Civil Engineering Bucharest, Romania	Experimental study regarding the implications of "Eco-Design" Directive over conception and performances of small boilers
11 ⁵⁵ - 12 ⁰⁵	7. Nicolae Antonescu, Dan-Paul Stănescu	Technical University of Civil Engineering Bucharest, Romania	Carbon dioxide footprint reduction by retrofitting regional heating boilers from gaseous to biogenic fuels
12 ⁰⁵ - 12 ¹⁵	89. Dragoș Iulian Pavel, Puiu Cozma, Sorin Dimitriu, Alexandru Chisacof, Carmen-Anca Safta	Police Academy, Firefighter Faculty, Bucharest, Romania Politehnica University of Bucharest, Romania	Mixture between fire and mist jets characteristics for flame extinguish
12 ¹⁵ - 12 ²⁵	107. Florin Bode, Mihnea Sandu, Ilina Nastase, Razvan Calota	Technical University of Cluj-Napoca, Romania, Technical University of Civil Engineering Bucharest, Romania	Evaluation of a Ventilating System for Indoor Air Quality and Smoke Exhaust during Fire inside an Underground Parking
12 ²⁵ - 12 ³⁵	72. Viorel Ungureanu, Adrian Ciutină, Nicolae Muntean, Daniel Muntean, Raluca Legian, Dan Vitau	Politehnica University of Bucharest, Romania	Energetic efficiency of modern steel-intensive buildings using recycled-PET thermal wadding
12 ³⁵ - 12 ⁴⁵	81. Valentin Nicolae Cococi, Carmen-Anca Safta, Constantin Călinoiu	Politehnica University of Bucharest, Romania	Parameter tuning process for a closed-loop pneumatic actuator
12 ⁴⁵ - 12 ⁵⁵	56. Sanda Budea, Carmen Safta	Politehnica University of Bucharest, Romania	Review on modern photovoltaic panels – technologies and performances
12 ⁵⁵ - 13 ⁰⁵	Questions & Answers Session		





Name: Bode Florin Ioan
Associate Professor, PhD. Eng.
Thermal Engineering Group
Mechanical Engineering Department
Faculty of Automotive, Mechatronics and Mechanics
Technical University of Cluj-Napoca, Romania
Phone: +40 743 567 765
Email: Florin.Bode@termo.utcluj.ro

Dear Dr. Bode,

I am writing to invite you to visit the School of Civil Engineering, HVAC Division, Dalian University of Technology, China from Nov. 7 to Nov. 9, 2019. During your stay in Dalian, we would kindly ask you to deliver a presentation on your research work, visit the lab, and discuss with the faculty members for possible further collaborations. All of your travel expenses will be covered by the School of Civil Engineering, Dalian University of Technology. I would much appreciate your consideration of this invitation and look forward to meeting you.

Sincerely yours,

Tengfei (Tim) Zhang, Ph.D., Prof.
School of Civil Engineering, HVAC Division
Dalian University of Technology
2 Linggong Rd., Dalian 116024, China
Email: tzhang@dlut.edu.cn
Tel.: +86-411-8470-6279





Florin Bode
Associate Professor, PhD. Eng. / 副教授、工学博士
Thermal Engineering Group / 热工组
Mechanical Engineering Department / 机械工程系
Faculty of Automotive, Mechatronics and Mechanics / 汽车、机械电子与机械学部
Technical University of Cluj-Napoca, Romania / 罗马尼亚克卢日-纳波卡技术大学
Phone: +40 743 567 765 / 电话: +40 743 567 765
Email: Florin.Bode@termo.utcluj.ro / 电子邮箱: Florin.Bode@termo.utcluj.ro

Dear Dr. Bode,
尊敬的 Bode 博士:

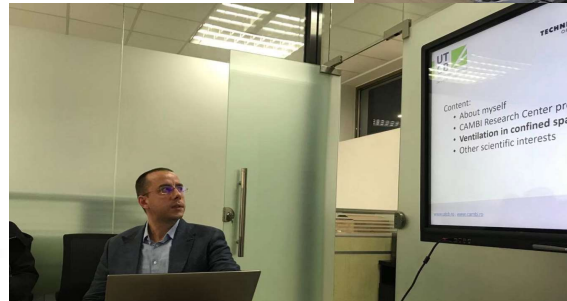
I am writing to invite you to visit the School of Environmental Science and Engineering, Tianjin University from Nov. 3 to Nov. 8, 2019. During your stay in Tianjin, we would kindly ask you to deliver a presentation on your research work, visit the lab, and discuss with the faculty members for possible further collaborations. All of your travel expense will be covered by the School of Environmental Science and Engineering, Tianjin University. I would much appreciate your consideration of this invitation and sincerely hope you could make the visit.

兹邀请您于 2019 年 11 月 3 日至 8 日访问天津大学环境科学与工程学院。在您来访期间, 请您作一个介绍研究工作的报告、参观实验室、并且与学院老师进行未来双边合作洽谈。天津大学环境学院将资助您此次来访的所有费用。请您考虑我们的邀请, 并且诚挚希望您能按时来访。

Sincerely yours,
此致



Tengfei (Tim) Zhang, Ph.D. / 张腾飞 博士
Professor and Associate Dean / 教授、副院长
School of Environmental Science and Engineering / 环境科学与工程学院
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9th International Conference on Energy and Environment 17 - 18 October 2019

FLUID MECHANICS AND APPLICATIONS - 2

Thursday, 17th of October 2019 (14:00 - 15:30)

Location: Conference Centre - Hall K2

- ID 017 EXPERIMENTAL STUDY ON THE TRANSFER OF FIRE FROM A BURNING CAR TO A NEIGHBORING ONE - *Angel Terziev, Svetlin Antonov*
- ID 021 AN EXPERIMENTAL EVALUATION OF VISIBILITY IN SIMULATED SMOKE - *Dan Burlacu, Andrei Mugur Georgescu, Ana Andreea Vartires, Ioan Marinescu*
- ID 106 INTERACTION BETWEEN A LOCAL AND A GENERAL VENTILATION SYSTEM FOR AN OPERATING ROOM WITH PATIENT - *Laurentiu Tacutu, Ilinca Nastase, Florin Bode, Angel Dogeanu, Cristiana Croitoru*
- ID 077 NUMERICAL PREDICTION OF CARBON DIOXIDE ACCUMULATION IN THE INTERNATIONAL SPACE STATION CREW QUARTERS - *Matei-Razvan Georgescu, Amina Meslem, Ilinca Nastase, Mihnea Sandu, Florin Bode*
- ID 080 EXPERIMENTAL STUDY OF CARBON DIOXIDE ACCUMULATION ON A MODEL OF THE CREW QUARTERS ON THE ISS - *Matei-Razvan Georgescu, Amina Meslem, Ilinca Nastase, Mihnea Sandu, Florin Bode*
- ID 058 ON THE TURBULENCE GENERATED BY AIR JETS IMPINGING ON STRUCTURED SOLID WALLS - *Ştefan-Mugur Simionescu, Corneliu Bălan*
- ID 076 EXPERIMENTAL STUDY OF THE WIND LOADING ON A MULTIFUNCTIONAL SPORTS HALL MODEL - *Alexandru Cezar Vlăduţ, Costin Ioan Coşoiu, Andrei Mugur Georgescu, Mircea Değeratu, Liviu Valer Haşegan, Alexandra Elena Chiulan, Bianca Iustina Florea*

*9th International Conference on ENERGY and ENVIRONMENT (CIEM)
17-18 October 2019, Timisoara, Romania*

Interaction between a local and a general ventilation system for an operating room with patient

Authors:

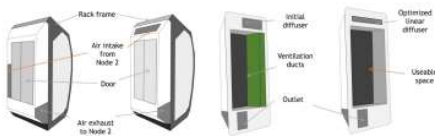
Laurentiu Tacutu, Ilinca Nastase, Florin Bode, Angel Dogeanu, Cristiana Croitoru



Numerical Study for the Improvement of the Ventilation System of the Crew Quarters on Board the International Space Station
F. Bode, M.-R. Georgescu, A. Meslem, M. Sandu, I. Nastase, C. Croitoru

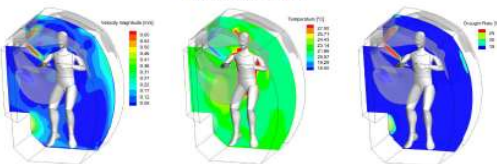
- Spacecraft Crew Quarters**
- Resting and recreation area for astronauts
 - Reduce long-term stress accumulation
 - Contribute towards comfort
 - Offer much needed privacy
- Known Issues**
- CO₂ accumulation
 - Noise generation

Improved ventilation concept



First phase: CFD evaluation of the current ventilation system's comfort parameters.
CFD model: Crew quarters with a human model inside resting in the 0 G neutral position (3.7 million cells).
Case studies: 3 flow rates (108 m³/h, 138 m³/h, 196 m³/h), at 18° C.
Artificial environment parameters studied: Air velocity, temperature and draught rate.
Minimum requirements: Air velocity 0.076 – 0.6 m/s; Temperature 18 – 27 °C; Draught rate N/A.

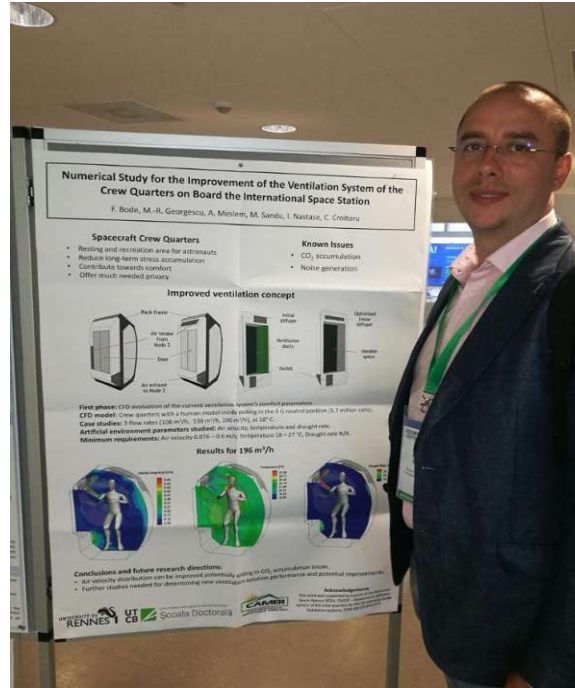
Results for 196 m³/h



Conclusions and future research directions:

- Air velocity distribution can be improved potentially aiding in CO₂ accumulation issues.
- Further studies needed for determining new ventilation solution performance and potential improvements.

Acknowledgments
 This work was supported by a grant of the Romanian Space Agency ROSA, S1077 – Advanced air filtration system of the crew quarters for the ISS and deep space habitation systems, PMB-CO-2015-577.



Numerical study for the improvement of the ventilation system of the crew quarters on board the international space station

F. Bode, M.-R. Georgescu, A. Meslem, M. Sandu, I. Nastase, C. Croitoru

Objectives

- The improvement of the crew quarters ventilation system aboard the ISS.
- The study of CO₂ accumulation and proposing different ventilation solutions to resolve this issue.
- Evaluating the potential for a personalized ventilation solution for improved comfort.

Results

- A preliminary numerical study of the airflow inside the crew quarters from a comfort point of view.
- Comparison of ventilation parameters with NASA imposed requirements.
- Draught rate simulation used as a baseline against which future improvements will be evaluated.

Tuesday, June 5

POSTER SUMMARIES – Session: Poster Summaries (PS3)

Chair: Henna Maula Room U2

10:30–12:00	A Moving Thermal Manikin for the Simulation of Walking Passengers in Aircrafts or Trains	Daniel Schmeling
	Numerical Study for the Improvement of the Ventilation System of the Crew Quarters on Board the International Space Station	Florin Bode
	Developing a Realistic CFD Model of the Air Distribution Inside a Vehicle Cockpit	Angel Dageanu
	CFD Simulation of Natural Ventilation in Hospital Wards: The Effect of Insect Screen and Plenum on Dust Particle Penetration	M.A. Mohammed
	Tracer Gas Experimental Method Applied for Air Recirculating Systems Part 2 Experimental Verification	Kazuya Nagashige
	Evaluating the Body Cooling Effect of Personalized Ventilation Systems	Hayder Alsaad
	Energy Saving Potential of a Ventilated Seat Cushion	Mariya Bivalarova
	Improvement Effect of Personal Heating and Cooling on Thermal Comfort While Using Toilet	Jin Ishii
	The Effect of the Lack of Sleep on the Thermoregulatory Responses in the High Temperature Environment	Ayoko Yasuoka
	Proposal of a Method to Investigate the Thermal Demands of Office Workers	Naoki Katari
	Human Thermal and Airflow Sensations in Temperature and Humidity Ramps with Small Air Movement	Kazuo Nagano
	Effects of Office Indoor Floor Plants on the Human Sensory Perceptions	Yoshihito Kurazumi
	Indoor Thermal Comfort and Heat Gain Mitigation Capability of Utilizing Window Films for Building Envelope Retrofit	Yi-Jhen Li
	Ventilation System Optimization Inside a Sludge Dewatering Hall	Mihnea Sandu
	Innovative Solution for Improving Occupational Hygiene in a Machine Tool Environment	Pirkko Pihlajamaa

SESSION V – HALL D03C			
Chair – Chadi MAALOUF (University of Reims Champagne Ardenne), Angel TERZIEV (Technical University of Sofia)			
15 ⁴⁵ – 17 ³⁰	Andrei BEJAN, Florin BODE, Catalin TEODOSIU, Cristina CROITORU, Iliuca NASTASE	Technical University of Civil Engineering Bucharest, Technical University of Cluj-Napoca	Numerical model of a solar ventilated facade element: experimental validation, final parameters and results
16 ⁰⁰ – 16 ¹⁵	Victor-Eduard CENUSA, Mihaela NORISOR, Florin-Nicolae ALEXE, Madalina BARBU	University Politehnica of Bucharest	The influence of cooling the compressed air-gas mixture on the energetic performances of reciprocating gas engines for residential cogeneration
16 ¹⁵ – 16 ³⁰	Gonzalo SANCHEZ-BARRIOSO, Justo GARCIA-SANZ-CALCEDO, Alfonso GONZALEZ, David SALGADO	University of Extremadura	Sustainable solutions for thermal energy saving in hospital operating theatres
16 ³⁰ – 16 ⁴⁵	Iliya ILIEV ¹ , Angel TERZIEV ² , Hristo BELOEV ³ , Christian ILIEV ³	¹ Ruse University ² Technical University of Sofia ³ University of Birmingham	Specifics in the operating modes of thermosiphon air heater of steam generator No1 and No2 in TPP "Republika" at fuel switch from coal to natural gas
16 ⁴⁵ – 17 ⁰⁰	Daniel-Mihai MUNTEAN, Marius ADAM, Modest POPOV, Daniel GRECEA, Vaarel UNGUREANU	Politehnica University Timisoara	Integrated energy efficient cooling solutions for large prefabricated panels collective dwellings from the 1970s
17 ⁰⁰ – 17 ¹⁵	Florin Emilian TURCANU, Ion SERBANOU, Mariana VERDES, Vasile CIOCAN, Andrei BURLACU, Robert Stefan VIZITHI	"Gheorghe Asachi" Technical University of Iasi	Simulation and modelling of microclimate in a building with high thermal mass during the winter season
17 ¹⁵ – 17 ³⁰	Chadi MAALOUF ¹ , Tala MOUSSA ¹ , Anel Fejjal BOUDIAB ¹ , Djallel ABADA ² , Guillaume POLIDORI ³ , Djamala Rozag SAFFIDINE ³ , Eric Wirtz ³	¹ University of Reims Champagne Ardenne ² Energy & Environment Laboratory, University Salah Boudraier of Constantine 3 ³ Liten, CEA	Numerical study and design of a dew point evaporative cooler for buildings
17 ³⁰	END OF FIRST DAY		
19 ⁰⁰ – 23 ⁰⁰	GALA DINNER – Panoramic Restaurant Cluj-Napoca Str. Serpuitoare nr. 1		



17 ⁴⁵ – 17 ⁰⁰	TUTUNARU ¹ , Ferenc GASPARI ² , Zoltan GYORGY ²	Cluj-Napoca ² JINMA Bucharest	Soil-tool interaction of a simple tillage tool in sand
SESSION XII Young Researchers section – HALL D03C			
Chair – Florin BODE (Technical University of Cluj-Napoca)			
16 ¹⁵ – 16 ³⁰	Alexandru FODOREAN, Adrian CURELI, Oana GIURGIU, Dan OPRUTA	Technical University of Cluj-Napoca	Solutions for increasing the quality of hydro-technical building elements obtained by numerical simulations
16 ³⁰ – 16 ⁴⁵	Paul Alexandru DANCA, Florin BODE, Iliuca NASTASE	Technical University of Civil Engineering Bucharest	Developing a CFD model of the air distribution inside a vehicle cockpit with innovative air diffusers
16 ⁴⁵ – 17 ⁰⁰	Matei-Răzvan GEORGESCU and Charles BERVILLE	Technical University of Civil Engineering Bucharest	Conception of a numerical model of the air distribution system in the Crew Quarters on board of the International Space Station
17 ⁰⁰ – 17 ¹⁵	Mihail TAMAS, Roxana Maria MORAR	Technical University of Cluj-Napoca	A more accessible way of post processing CFD simulation data in to a VR experience
17 ¹⁵ – 17 ³⁰	Alan BOTH, Alexandru KONDBEL	Technical University of Cluj-Napoca	Numerical Simulation of a pulsatile flow
17 ³⁰	END OF SECOND DAY		



Detailed Technical Program- Monday, July 23rd



Detailed Technical Program

Monday, July 23rd

Afternoon Poster Sessions - Ballroom B (15:30 - 17:30)

Day	Time	ID	Poster Session A: Air Cleaning and Filtration 1 (Chair: William Nazaroff)
Mon 7/23	15:30	113	Formaldehyde modelling of photocatalytic oxidation (PCO)-based applications in a building Author(s): Lexuan Zhong
	15:30	175	Nanofiber Filters with Low Air Resistance and the Potential Applications in Indoor Environments Author(s): Tongling Xia, Shanshan Shi, Chun Chen
	15:30	184	Improvement of PM10 and PM2.5 Concentration in Schools using Indoor Air Cleaners Author(s): Kwangchul Noh
	15:30	280	Botanical Biofiltration: Experimental Protocol and Method Author(s): Tatiana Armijos Moya, Andy Van Den Dobbelen, Marc Ottel�, Philomena Bluysen
	15:30	423	Facile in-situ synthesis of amorphous manganese oxides nanosheets on polyester fibers for formaldehyde decomposition at room temperature Author(s): Jinge Li, Pengyi Zhang
	15:30	469	Indoor Air Quality Solution for Commercial Buildings Author(s): Sean Menezes

Day	Time	ID	Poster Session B: Building Simulation and CFD 1 (Chair: Li Liu)
Mon 7/23	15:30	166	Analysis and Planning of Indoor Ventilation for Shrimp Farming Author(s): We-Mei Shih, Tzu-Ping Lin
	15:30	443	Indoor Air Quality Effect of Fan Surface on Dust in Fan Blade Rotating Author(s): Chih-Neng Hsu
	15:30	473	Particle Image Velocimetry Investigation for a Scaled Model of an Industrial Hall Author(s): Mihnea Sandu, Ilinca Nastase, Cristiana Croitoru, Florin Bode
	15:30	552	Can modeling tools be a reliable source of information on IAQ with only a limited set of data on the studied case? Author(s): Charles-Florin Picard, Marc Abadie, Karim Limam, B�n�dicte Wall-Ribot, Thierry Duforestel, Abderrahman Elghazi
	15:30	556	Numerical investigation on the flow pattern of defeathering machines Author(s): Jianjian Wei, Yakun Liu, Tao Jin, Hui-Ling Yen, Yuguo Li
	15:30	562	Study on Numerical Simulation of Ice Removing System for EMU Train in China Author(s): Mingxin Liu, Jianlin Ren, Xingli Pu, Junjie Liu





 **4th International Conference On Building Energy, Environment**
Feb 5-9, 2018
Melbourne, Australia

Inertial elements integration on thermal solar collectors

Authors: Andrei – Stelian Bejan, Cristiana Croitoru, **Florin Bode**, Ilinca Nastase, Mihnea Sandu, Abdelouhab Labihi

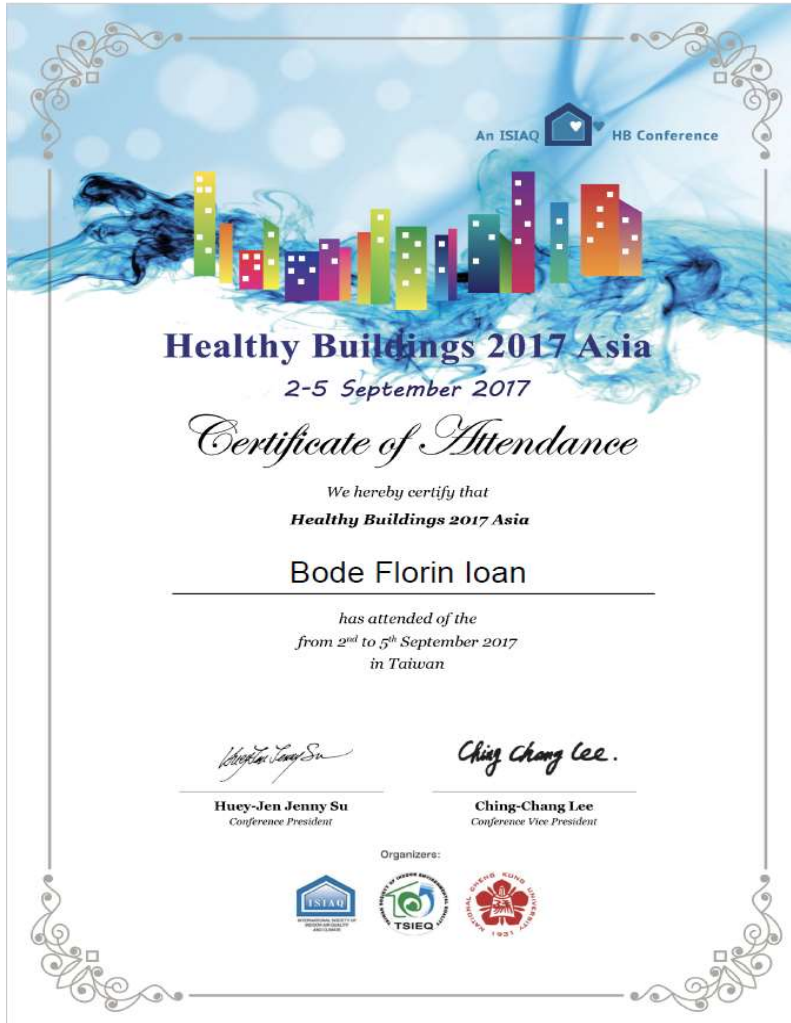
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 Technical University of Civil Engineering Bucharest
Faculty of Building Services Engineering



 **CAMBI**
Advanced Research Center for
Ambient Quality and Building Progress

 **MARRAKECH**
جامعة مراكش
UNIVERSITE CAS ABAD



UT CB Technical University of Civil Engineering Bucharest
Faculty of Building Services Engineering

Numerical study of thermal comfort for a patient with experimental validation in a laboratory facility reproducing an OR
Florin Bode^{1,2}, Ilina Năstase¹, Cristiana Croitoru¹, Laurentiu Tăcutu¹

¹ CAMBI Research Centre - Technical University of Civil Engineering Bucharest, Bucharest, Romania
² Technical University of Cluj Napoca, Cluj Napoca, Romania

Dennazhou			
15:30	Coffee Break – Column Hall - Faculty of Building Services		
16:00	Session 4 – chairman Risto Kosonen		
16:00	Anne-Lise Tiffonnet, Celine Tourreilles, Thierry Duforestel	Universite de Caen Normandie	Impact of the Formaldehyde Concentration in the air on the Sink Effect of a Coating Material
16:15	Paul Danca, Florin Bode, Amina Meslem Ilinca Nastase	Technical University of Civil Engineering of Bucharest, Technical University of Cluj Napoca, Rennes University	The Effects of Different Inlet Angle and Driver Presence over the Cabin Thermal Environment
16:30	Alexandra Ene, Tiberiu Catalina, Andreea Vartires	Technical University of Civil Engineering of Bucharest	Determination of Thermal and Acoustic Comfort inside a Vehicle's Cabin
16:45	Florin Bode, Ilinca Nastase, Cristiana Verona Croitoru, Angel Dogeanu	Technical University of Cluj Napoca, Technical University of Civil Engineering of Bucharest	A Numerical Analysis of the Existing Air Distribution System for the Ventilation of the Crew Quarters on board of the International Space Station



8th International Conference on Energy and Environment 19 - 20 October 2017

ENERGY & ENVIRONMENT FOR BUILDINGS

FRIDAY 20 OCTOBER 2017 (9:00 – 10:30)

Location: Conference Centre - Hall 3.1

SESSION CHAIRS: ILINCA NASTASE, MIHNEA SANDU

- **ID112** - *TRANSPIRED SOLAR COLLECTORS ENERGY EFFICIENCY IMPROVEMENT USING INERTIAL MATERIALS* - Andrei-Stelian Bejan, Abdelouhab Labihi, Cristiana Croitoru, Daniel Bordianu, Hassan Chehouani
- **ID116** - *THE INFLUENCE OF THE INLET ANGLE OF VEHICLE AIR DIFFUSER ON THE THERMAL COMFORT OF PASSENGERS* - Ilinca Nastase, Paul Danca, Florin Bode, Amina Meslem
- **ID117** - *NUMERICAL AND EXPERIMENTAL STUDY FOR THE DEVELOPMENT OF AN ADVANCED MODEL OF AN OPERATING ROOM WITH SURGEONS AND PATIENT* - Florin Bode, Laurentiu Tacutu, Cristiana Croitoru, Ilinca Nastase
- **ID042** - *EXTERIOR SHADES ENERGY EFFICIENCY FOR A MIXT, OFFICE - RESIDENTIAL BUILDING IN BUCHAREST* - Ioana Udrea, Romeo Traian Popa
- **ID041** - *THERMAL BRIDGES EVALUATION FOR A PASSIVE HOUSE BUILDING IN ROMANIAN SOUTHERN CLIMATE* - Ioana Udrea, Romeo Traian Popa, Emilia-Cerna Mladin, Mihaela-Stela Georgescu, Cristina Victoria Ochinciuc
- **ID014** - *BEHAVIOR OF CONFINED MASONRY WALLS IN DUAL BUILDINGS* - Sorina Constantinescu
- **ID015** - *IMPORTANCE OF MASONRY INFILL WALLS FOR FRAMED BUILDINGS* - Sorina Constantinescu

13:15	Lunch		
14:00	Session 11 – Numerical fluid mechanics – chairman Florin Bode		
14:00	Tibor Poos, Evelin Varju	Budapest University of Technology And Economics, Hungary	Dimensionless evaporation rate at free evaporated surface
14:15	Tibor Poos, Viktor Szabó	Budapest University of Technology And Economics, Hungary	Application of mathematical models using volumetric transfer coefficients in fluidized bed drivers
14:30	Victor Hodor, Dan Birle, Lucian Nascutiu And Ioan Deacu	Technical University of Cluj Napoca	Aeroacoustics -Noise Prediction By Using "LES" For Signal Processing
14:45	Viorel Ionescu, Nicolae Buzbuchi	Ovidius University, Constanța	PEMFC two-dimensional FEM model to study the effects of gas flow channels geometry on reactant species transport
15:00	Laura Alina Stika , Gheorghe Megherelu, Valeriu Alexandru Vilag	COMOTI, Romania	Numerical study of a gas turbine's shaft cooling
15:15	Octavian G. Pop, Lucian Fecete Tutunaru, Mugur C. Balan	Technical University of Cluj Napoca	Numerical model for Solidification And Melting of PCM Encapsulated In Spherical Shells
15:30	Daniel Olaru , Cleopatra Florentina Cuciumita, Valeriu Alexandru Vilag	COMOTI, Romania	Test bench configuration to facilitate gas turbine in-situ combustion experimentation
15:45	Viorel Ionescu, Anisoara-Arleziana Neazu	Ovidius University, Constanța	Finite Element Method Analysis of a MEMS-Based Heat Exchanger with Different Channel Geometries
16:00	Coffee Break		

FRIDAY 28th of October 2016			
Location – Building Services Faculty			
8:00	EENVIRO - REGISTRATION		
9:00	WORKSHOP - Indoor Environmental Quality Moderators: Hazim Awbi, Risto Kosonen, Dennis Loveday, Cătălin Teodosiu		
9:00	Martin Ivanov	Technical University - Sofia, Bulgaria	Occupant votes from unplanned subjective assessment of the indoor air quality parameters in small lecture room
9:15	Iunia Gligor, C. Maalouf, Iolanda Colda, Angel Dogeanu	Technical University of Civil Engineering Bucharest	Study and experimental validation of a zonal model for a sitting manikin thermal plume
9:30	Cociorva Sorin, Andreea Iftene	Technical University of Civil Engineering Bucharest	Indoor air quality evaluation in intelligent building
9:45	Andrei – Stelian Bejan , Tiberiu Catalina, Adrian Traian Munteanu	Technical University of Civil Engineering Bucharest	Indoor environmental quality experimental studies in an energy-efficient building. Case study EFdeN Project
10:00	Tiberiu Catalina, Thibault Schuler, Guillaume Bonnet	Technical University of Civil Engineering Bucharest	Influence of a ventilation heat recovery system on the IAQ of a primary school classroom
10:15	Angel Dogeanu	Technical University of Civil Engineering Bucharest	Thermal comfort assessment methods - current state of the art : limits and perspectives
10:30	Ilinca Nastase	Technical University of Civil Engineering Bucharest	INADEVA project - context, results, short and long term perspectives
10:45	Florin Bode	Technical University of Cluj Napoca	CFD modeling of jet flows and applications: the example of Personalized Ventilation systems
11:00	Coffee Break		

- 19 Romanian Academy Seminar with the theme: Balance between energy efficiency, environmental quality and comfort in buildings and other premises in occupied spaces. Solutions and current challenges. Organizer: Romanian Academy, Department of Technical Sciences, Renewable Energy Commission, Acad. Viorel Badescu, november 18, 2014 18 Nov. 2014



Programul seminarului cu tema: Echilibru între eficiența energetică, calitate ambientală și confort în clădiri și alte spații ocupate. Soluții și provocări actuale

Organizator: Conf. Univ. Dr. Habil. Ing. Ilinca Năstase

Marti 18 noiembrie 2014 ora 9.00
Amfiteatrul „Ion Heliade Rădulescu” al Bibliotecii Academiei Române

1
Cuvânt de deschidere
Viorel Bădescu – Academia Română

2
Cele trei ediții ale lucrării ENERGIILE REGENERABILE – EFICIENȚA ECONOMICĂ, SOCIALĂȘI ECOLOGICĂ
Emilian M. Dobrescu – Academia Română
La începutul secolului al XXI-lea, omenirea se află prima dată în ipostaza de a folosi pe scară largă energia regenerabilă a Soarelui, vântului, mării, toate formele de energie regenerabilă cunoscute în prezent. În acest scop este nevoie de tehnologii competitive de obținere a acestor energii, cu costuri cât mai scăzute, astfel încât ele să dobândească o utilizare extinsă la nivel planetar. Necesară este, de asemenea, educarea populației planetei în spiritul aplicării acestor tehnologii. Cartea cu titlul de mai sus este un exemplu și o încercare de a aduce în atenția tuturor formele de energie regenerabilă și avatajele folosirii acestora în viața de zi cu zi.

3
Keynote: Modularea factorilor ambientali pentru un impact optima asupra fiziologiei organismului
Iolanda Colda – Universitatea Tehnică de Construcții București

4
Keynote: Thermal comfort assessment methods and current problems and perspectives
Laszlo Fulöp – Pecz University, Hungary

10
Sistemele de ventilare personalizată și impactul soluției asupra confortului utilizatorului
Sef Lucr. Dr. Ing. Florin Bode – Universitatea Tehnică din Cluj Napoca
Contextul actual este dominat de creșterea eficienței energetice și de reducerea emisiilor gazelor cu efect de seră în atmosferă. În cazul instalațiilor de aer condiționat, ventilare și încălzire (HVAC) aceasta se traduce prin reducerea debitului de aer introdus în zona ventilată pentru clădirile cu consum redus de energie. În condițiile în care se dorește menținerea aceluiași grad de confort termic pentru persoanele din încăperea, o soluție este ventilarea personalizată. Aceasta are avantajul de a crește calitatea aerului inhalat și confortul individual al utilizatorilor pe lângă o scădere a consumurilor energetice, raportat la climatizarea centralizată.

PERSONALIZED VENTILATION SYSTEMS AND THEIR IMPACT ON USER COMFORT

Florin BODE



PREȚIA PAGINĂ INFO CONTACT IMPRESII SCURT ISTORIC ACADEMIA ASTĂZI EVENIMENTE

ACADEMIA ROMÂNĂ

Simbol al spiritualității, forum al consacării, spațiu al cercetării fundamentale

Acte normative	In memoriam	Evenimente viitoare	Evenimente recente
<ul style="list-style-type: none"> Prezidiul Academiei Secții și Filiale Institute, Centre, Fundații Comisi, comitete, consilii Servicii administrative Instituții de cultură ale AR <ul style="list-style-type: none"> Biblioteca Academiei Române Editoria Academiei Române Alte unități ale AR Memברי Academiei Române Președinți Academiei Române Știință, cultură și cercetare Colecțiile Academiei Române Revista Academica Fononari, dezbateri Anunțuri, știri Noutăți Viața academică Alte informații Legături utile 	17.11.2014 - 18.11.2014 Aula Academiei Române (ora 9.30) 18.11.2014 Amfiteatrul "Ion Heliade Rădulescu" al Bibliotecii Academiei Române (ora 9.00) 24.11.2014 Aula Academiei Române (ora 10.00) 28.11.2014 Aula Academiei Române (ora 10.00)	Sesiune științifică dedicată domnitorului-căntăreț <i>Dimitrie Cantemir</i> Sesiune științifică dedicată domnitorului-căntăreț <i>Dimitrie Cantemir</i> Seminariul „Echilibru între eficiența energetică, calitate ambientală și confort în clădiri și alte spații ocupate. Soluții și provocări actuale” - Comisia de Energie Regenerabilă a Academiei Române Sesiune științifică de comunicări "Jean Georgescu, pionier și senior al filmului românesc", organizată de Secția de Arte, Arhitectură și Audiovizual la împlinirea a 20 de ani de la dispariția marelui cineast Ședință comemorativă dedicată împlinirii a o sută de ani de la nașterea academicianului Liviu Constantinescu. Evenimentul este organizat de Secția de Științe Economice.	

Wednesday, 4th of June, 9:15 - 10:15

<p>Opening Ceremony</p> <p>Key Note Lecture - Prof. Corneliu Balan Modeling the flow in the vicinity of micro structured surfaces</p>
<p>Key Note Lecture – Prof Andrei Georgescu PiiF - The Fluid Engineering Informatics Platform</p>

Session I – Fundamentals of Fluid Mechanics, Heat and Mass Transfer

Wednesday, 4th of June, 10:15 - 11:15

Moving Interfaces in Microchannels	<u>Ioana Laura Omocea</u> , <u>Catalin Marculescu</u> , <u>Catalin Balan</u> , <u>Nicoleta Octavia Tanase</u> , <u>Diana Broboana</u>
Vortex Rings – Experiments and Numerical Simulations	<u>Iulia Rodica Damian</u> , <u>Nicoleta Octavia Tanase</u> , <u>Stefan Mugur Simionescu</u> , <u>Mona Mihailescu</u>
Numerical study of a personalized ventilation system	Florin Bode
Optimization Study of Using PTC for Human Body Heating Dissipation	<u>Tiberiu Adrian Salaoru</u> , <u>Marina Andrei</u> , <u>Ilinca Nastase</u>

Wednesday, 4th of June, 11:30 - 12:00

<p>Key Note Lecture - Prof. Walter Bosschaerts - RMA Tender specifications Translated into an Engineering Problem</p>
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NUMERICAL STUDY OF A PERSONALIZED VENTILATION SYSTEM

PhD Eng. Florin BODE
PhD Eng. Ilinca NASTASE
PhD Eng. Amina MESLEM
PhD Eng. Cristiana CROITORU
PhD student Eng. Angel DOGEANU



16	7-8 November 2013	6 th International Conference on Energy and Environment
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Fluid Mechanics and Applications (2)

Chairman:
Daniela VASILIU (Romania), Ilinca NĂSTASE (Romania), Corneliu BĂLAN (Romania)

Time period: 14:00-15:30

Moving textures: simulation of a ring sliding on a textured liner - Hugo M. CHECO (Brazil), Roberto F. AUSAS (Brazil), Gustavo C. BUSCAGLIA (Brazil), Mohammed JAI (France), Jean-Paul CADALEN (France), Franck CHOUKROUN (France)

Thermo-Hydrodynamic Study of Refrigerant-Lubricated Bearings - Benyebka BOU-SAÏD (France), Mathieu GARCIA (France), Jérôme ROCCHI (France), Grégory GRAU (France)

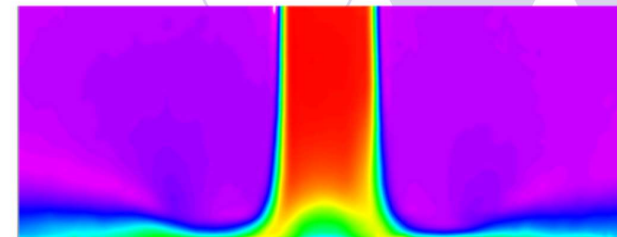
The viscose liquid flow through cavity labyrinth seal - Moutasem Ibrahim ALKHATIB (Siria)

Flow around an immersed cylinder in the presence of free surface - Nicoleta TĂNASE (Romania), Diana BROBOANĂ (Romania), Corneliu BĂLAN (Romania)

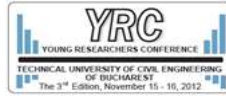
Wall shear rate numerical prediction of an impinging cross-shaped jet at moderate Reynolds number - **Florin BODE** (Romania), Kodjovi SODJAVI (Romania), Amina MESLEM (France), Ilinca NĂSTASE (Romania)

Friday 8.11.2013

NUMERICAL PREDICTION OF WALL SHEAR RATE IN IMPINGING CROSS-SHAPED JET AT MODERATE REYNOLDS NUMBER



F. Bode, K. Sodjavi, A. Meslem, I. Nastase



Session IV – Thermo-Hydraulics applied in
Civil Engineering and Efficient Buildings
Mr. Razvan Stefan

Thursday, November 15, 16:30: 17:45

Thermal comfort assessment for different ventilation strategies using a CFD approach	<u>Cristiana Verona CROITORU</u> , Ilinca NASTASE, (UTCB) Florin BODE, (UTCN)
RANS models comparison for a cross-shaped jet flow with straight lobes	<u>Florin BODE</u> , (UTCN) Ilinca NASTASE, (UTCB) Cristiana CROITORU, (UTCB)
Numerical study for turbulence characteristics in an open channel flow over a rough surface	<u>Elena IATAN</u> , (UTCB) Florin BODE, (UTCN) Ilinca NASTASE (UTCB)
A review on the main thermal comfort models for indoor spaces and their capabilities	<u>Angel DOGEANU</u> , Cristiana CROITORU, Ilinca NASTASE (UTCB)
Power quality disturbance evaluation for PWM motor drives	<u>Alexandru Mircea IATAN</u> (UTCB)

Welcome Cocktail

RANS MODELS COMPARISON FOR A CROSS-SHAPED JET FLOW WITH STRAIGHT LOBES

Ph.D. Eng. Florin BODE
PhD. Eng. Ilinca NASTASE
PhD. Eng. Cristiana CROITORU



15.30 – 16.30 Parallel Session 2A – Short oral presentation session – Characterization of ventilative cooling strategies and ventilation system performance

- Towards the aerualic characterization of roof windows ? (Bruno Peuportier, France)
- Air turbulence intensity influence on the thermal comfort evaluation for different ventilation strategies (Cristiana Croitoru, Romania)
- Reducing energy consumption in a existing shopping centre using natural ventilation (Jannick Karsten Roth, Denmark)
- Façade-Integrated Ventilation Systems in Nordic Climate (Matthias Haase, Norway)
- Overflow elements : Impacts on energy efficiency, indoor air quality and sound attenuation (Gabriel Rojas Kopeinig, Austria)
- Numerical prediction of the air exchange in the museum premises equipped with natural ventilation systems (Andrzej Baranowski, Poland)
- Construction and Set-up of a Full-Scale Experimental House for ventilation studies (Manfred Plagmann, New Zealand)
- Update of the Spanish regulation regarding ventilation and infiltration: analysis, comparisons and repercussions (José Manuel Salmeron Lissen, Spain)
- RANS and LES models comparison for a cross-shaped jet flow with application in personalized ventilation (Florin Bode, Romania)
- Experimental evaluation for the dynamic insulation applied to window frame (Shinsuke Kato, Japan)
- Applicability of air supply type airflow window system applied to double-pane window (Sihwan Lee, Japan)
- A multi-criterion method for examining the health and energy impacts of air change rates in dwellings (Payel Das, UK)



Coffee break

Session II – Thermo-Hydraulics applied in Civil Engineering I
Mr. Tiberiu Catalina

Thursday, November 17, 11:15 – 12:30

Mesh dependence study using large eddy simulation of a very low Reynolds cross-shaped jet	Florin BODE , Ilinca NĂSTASE, Cristiana CROITORU (UTCLUJ)
Numerical modeling for in-sewer bed profiles	Elena IATAN , Alexandru Mircea IATAN (UTCB)
Mixing quantification criteria during the polymerization process	Cătălin MĂRCULESCU (IMT)
Inside temperature variation of a TE refrigerator electricity network-driven versus PV supply	Roxana MARE (UTCLUJ)

Mesh Dependence Study Using Large Eddy Simulation of a Very Low Reynolds Cross-Shaped Jet

Lect. Ph.D. Eng. Florin BODE
Lect. Ph.D. Eng. Ilinca NASTASE
Assist. Ph.D. Eng. Cristiana CROITORU



COMBUSTION MODULE ACTIVATION IN CFD DESIGN OF AN METHANE SWIRL BURNER

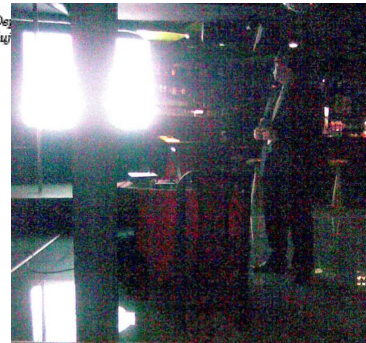
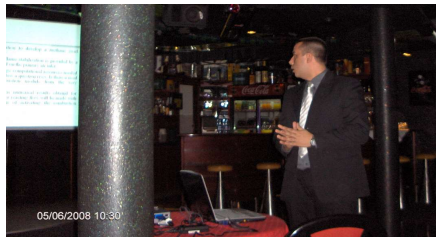
Bode, F., Unguresan, P

*As. Ing. Florin BODE, Technical University of Cluj-Napoca, Department of Thermal Machines and Equipment, B-dul Muncii 103-105, C307a, Cluj-Napoca, Romania
Phone: 40 264 401 777*

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Lect. Ing. Paula UNGURESAN, Technical University of Cluj-Napoca, Department of Thermal Machines and Equipment, B-dul Muncii 103-105, C307a, Cluj-Napoca, Romania, Phone: 40 264 401 777

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University of Žilina, Faculty of Mechanical Engineering 9th International Scientific Conference
FVT TU Prešov, TU FEVT Zvolen, MIF TU Trnava, CUT Cracow, PUT Poznan, ATH Bielsko Biala for PhD students

COMBUSTION MODULE ACTIVATION IN CFD DESIGN OF AN METHANE SWIRL BURNER

Technical University of Cluj-Napoca
Florin BODE, Paula UNGURESAN

5. - 7. May 2008
Žilina – Turčianske Teplice
Slovak republic

5

Atragere resurse financiare prin granturi/proiecte/contracte terți

Nr.crt	Calitatea: director = 1, membru în echipa = 2	Tip proiect *	Titlul proiectului	Perioada de derulare	Curs valutar mediu în anul începerii proiectului [RON/EUR] (sursa bnr.ro)	Valoare totală în lei proiect/partener [RON]	Valoare totală ** [ech. Euro]	Valoarea alocată membrului în echipa de către directorul de proiect*** [Lei]	Valoarea alocată membrului în echipa de către directorul de proiect*** [ech. Euro]	Punctaj individual
1	2	LIFE - UE	Proiectul BUS4RoBOOST este co-finanțat prin programul LIFE al Uniunii Europene (Contract de Finanțare nr. 101076873.). Director responsabil partener UTCB: Cezar Vladut. Afiliere: UTCB. BUS4RoBOOST - BUILD UP Skills pentru susținerea renovării pe termen lung a fondului de clădiri în România, Noiembrie 2022	2022-2024	4.9315		54428	51500	10443	10.44
2	2	PNRR	Director responsabil partener UTCB: Mihnea Sandu. Afiliere: UTCB, Denumire proiect: „NetZeRoCities - National Competence Centre and solutions for the development of Climate Neutral and Smart Cities”, deus în cadrul apelului PNRR/2022/C9/MCID/I5" NetZeRoCities - Centrul Național de Competență și soluții pentru dezvoltarea orașelor climatice neutre și inteligente, contract de finanțare nr. 760007 / 30.12.2022, cod 6 / 16.11.2022 (https://netzerocities.upb.ro/) Programe: Planul Național de Redresare și Reziliență (PNRR) - Componenta 9 - Suport pentru Sectorul privat, Cercetare, Dezvoltare și Inovare, Budget UTCB: 500.000EUR (2,467,100 RON), Director proiect: Ciprian Dobre UPB, Responsabil partener: Mihnea SANDU, Budget total proiect: 4.700.000EUR (23,190,740RON)	2023-2025	4.9315		500000	90000	18250	18.25
3	1	PN-III-P2-2.1-PED-2021-0559	Difuzoare de aer inovative cu inductie ridicata pentru imbunatatirea calitatii mediului ambiant in vehicule Proiect tip PED 2022-2024, Partener: UTCB - Renault Technologie Roumanie SRL - RTR, PN-III-P2-2.1-PED-2021-0559, UTCB - Director proiect. Valoare totala proiect: 685.045Lei. valoare proiect UTCB:598795Lei	2022-2024	4.9315	685045	138912			138.91
4	1	PN-III-P2-2.1-PED-2021-2265	Sistem inovator în globat în fotoliile de la bordul aeronavelor comerciale pentru reducerea transmisiei SARS-CoV-2, SAFE), PN-III-P2-2.1-PED-2021-2265, Responsabil Partener UTCN	2022-2024	4.9315	150000	30417			30.42
5	2	PN-III-P2-2.1-PED2021-1903	Colector solar adaptiv cu materiale cu schimbare de faza nano-optimizate, NanoSUN, Cod depunere: PN-III-P2-2.1-PED2021-1903, UTCB, director proiect: Razvan Calota	2022-2024	4.9315	598795	121422	40000	8111	8.11

6	1	Terti	Activitate CFD - 2 Scenarii pentru Complexul Therme Frankfurt - Therme (Therme Group RHTG AG, Austrian legal entity, having its registered office at Wienerbergstrasse no. 51, floor 4, 1120 Vienna, Austria), Contract nr1 din 6 Ianuarie 2022 pana in 31.10.2022, UTCB, contract in EUR, director proiect	2022	4.9315	-	33906			33.91
7	2	H2020-LC-CLA-2020-2	The power of diversity and social inclusion as a mean for reducing air pollution and achieving green urban nexus in climate neutral cities / Project 101003799 (DivAirCity) Responsible Unit: EASME/B/02, Call: H2020-LC-CLA-2018-2019-2020 submitted for H2020-LC-CLA-2020-2 / 03 Sep 2020 Topic: LC-CLA-11-2020 - Innovative nature-based solutions for carbon neutral cities and improved air quality, UTCB, Responsabil partener: Cristiana Croitoru	2021-2025	4.9204	-	469000	290000	58938	58.94
8	2	H2020-LC-SC3-EE-2020-2	Enhancing market readiness for nZEB implementation - nZEB Ready, H2020 - Coordonator Romania (Institutul National De Cercetare-Dezvoltare In Constructii Urbanism Si Dezvoltare Teritoriala Durabila Urban-INCERC - INCD URBAN-INCERC)/ Responsabil UTCB: Mihnea SANDU, call: H2020-LC-SC3-EE-2020-2, proiect: 101033733, DG/Agency: CINEA, LC-SC3-B4E-2-2020 – Topic: Stimulating demand for sustainable energy skills in the building sector; UTCB Responsabil partener Mihnea Sandu	2021-2024	4.9204	-	127125	95000	19307	19.31
9	2	Terti	Strategia de alimentare cu energie termica a consumatorilor din municipiul Cluj-Napoca in perioada 2021-2031 si perspectiva 2050, în care Universitatea Tehnică din Cluj-Napoca este Coordonator, Prof Mugur Balan este director proiect	2021	4.9204	83500	16970	6000	1219	1.22
10	1	PN-III-P2-2.1-PED-2019-4249	Sistem inovativ pentru extinderea autonomiei vehiculelor electrice si imbunatatirea confortului termic, XTREME, contractul de finantare nr. 437PED din 23/10/2020 Cod depunere: PN-III-P2-2.1-PED-2019-4249; UTCN Responsabil partener	2020-2022	4.8371	150780	31171.57			31.17
11	2	PN-III-P2-2.1-PED-2019-4165	Sistem integrat cu elemente de fatada ventilata pentru uscarea fructelor si legumelor cu aplicatie in agricultura urbana (Building integrated solar crop dryer for food preservation in urban farming applications) - BISCUIT; contractul de finantare 436PED din 23/10/2020, Cod depunere: PN-III-P2-2.1-PED-2019-4165; Buget total proiect: 600.000RON) Director: Dr. Ing. Cristiana Croitoru, Afiliere: UTCB	2020-2022	4.8371	600000	124041.26	90000	18606	18.61

12	2	87PCCDI/2018, PN-III-P1-1.2- PCCDI-2017- 0868	Tehnologii Emergente pentru Contracurarea Efectelor Induse de Curgerile Turbulente ale Mediilor Fluide (Emerging Technologies to Counteract the Effects Induced by the Turbulent Flows of Fluid Environments) – CONTUR (consortiu: INSTITUTUL DE STIINTE SPATIALE - filiala INFLPR, Institutia Coordonatoare a Proiectului Complex – CO, Dr. Fiz. Aurelian Andrei RADU, Directorul Proiectului Complex; Membru in echipa P7: UNIVERSITATEA TEHNICA DE CONSTRUCTII BUCURESTI, Partener P7, Conf. Univ. Dr. Ing. Ilinca NASTASE, Responsabil Proiect Complex	2018-2021	4.6535	315000	67690.985	25000	5372	5.37
13	2	PN-III-P2-2.1- PED-2016-1285	Real time smart application for urban air quality management respecting the sensitive categories of population (SMARTSENSE)”, PN-III-P2-2.1-PED-2016-1285 (55PED din 03/01/2017), Director: Dr.ing. Ilinca Nastase, Afiliere: UTCB	2017-2018	4.5681	657833.67	144006	75000	16418	16.42
14	2	PN-III-P4-ID- PCE-2016-0758 (132 din 12/07/2017),	Passive flow control for heat and mass transfer enhancement of impinging jets” (PHANTOM), PN-III-P4-ID-PCE-2016-0758 (132 din 12/07/2017), Director: Dr.ing. Ilinca Nastase, Afiliere: UTCB	2017-2019	4.5681	850000	186073	250000	54727	54.73
15	2	STAR-CDI-C3- 2016-577	Advanced air diffusion system of the crew quarters for the ISS and deep space habitation systems STAR-CDI-C3-2016-577 Director: Dr.ing. Ilinca Nastase, Afiliere: UTCB, a grant of the Romanian space agency ROSA, QUEST, UTCB	2016-2018	4.4908	998000	222232.12	100000	22268	22.27
16	2	PN-III-P2-2.1- PED-2016-1154	Colector solar inteligent cu materiale cu schimbare de faza integrate SCOPE, Intelligent Solar collector with Phase change materials integration, PN-III-P2-2.1-PED-2016-1154, Director: Dr. Ing. Cristiana Croitoru, Afiliere: UTCB	2016-2018	4.4908	599999.65	133606	75000	16701	16.70
17	2	PN-III-P2-2.1- BG-2016-0158	Environment improvement of Sludge dewatering from the wastewater treatment system of SEAU Glina by Optimizing the Local Effluent Capture and Treatment (SOLECT)”, PN-III-P2-2.1-BG-2016-0158, Director: Dr. Ing. Cristiana Croitoru, Afiliere: UTCB	2016-2018	4.4908	460000	102432	70000	15587	15.59
18	1	PN-II-PT-PCCA- 2013-4-0569	Innovative strategies of HVAC systems for high indoor environmental quality in vehicles - INSIDE, Responsabil partener (coordonator proiect Andreea Vartires - UTCB), PN-II-PT-PCCA-2013-4-0569 - (Strategii inovative de conceptie a sistemelor HVAC pentru o calitate ambientală superioară în autovehicule), Numar contractare UEFISCDI: 264/2014, UTCN	2014-2016	4.4446	125000	28124.016			28.12
19	2	PN-II-PT-PCCA- 2011-3.2-1212	Advanced strategies for high performance indoor Environmental Quality in Operating Rooms – EQUATOR Responsabil UTCN: Prof. Dr. Ing. Victor Hodor, (Strategii Performante pentru cresterea calitatii Ambientale în Salile de Operatie)”, PN-II-PT-PCCA-2011-3.2-1212, Grant PARTENERIATE of the Romanian National Authority for Scientific Research, CNCS – UEFISCDI, UTCN, 92 din 02/07/2012	2012-2016	4.456	570000	127917.41	175000	39273	39.27

20	1	PN-II-RU-PD-2011-3-0099	Fluid dynamics analysis for innovative personalized ventilation diffusers for automotive and building applications PN-II-RU-PD-2011-3-0099 – Cercetari fluido-dinamice aplicate in dezvoltarea de difuzoare inovante pentru ventilarea personalizata in vehicule si cladiri - Grant PD of the Romanian National Authority for Scientific Research, CNCS – UEFISCDI, Director Proiect	2011-2013	4.2379	299990.08	70787.437			70.79
21	2	PN-II-ID-PCE-2011-3-0835	Intelligent Air Diffusion for healthy environments: advanced strategies and evaluation methods - INADEVA (Modalități inteligente de distribuție a aerului în încăperi: strategii avansate și metode de evaluare) - PN-II-ID-PCE-2011-3-0835 – Grant IDEI of the Romanian National Authority for Scientific Research, CNCS – UEFISCDI, 1.500.000RON, 2011-2014 (angajat UTCB in cadrul proiectului in perioada oct 2013- 2016). UTCB, director proiect: Ilinca Nastase	2011-2016	4.2379	1499680.27	353873.44	125000	29496	29.50
22	2	PN-II-PT (Contract CNMP 82-086/2008)	Advanced methods of analysis and control in hemodynamics with applications in peripheral vascular surgery Coordonator UTCN: Dr. Ing. Giurgea Corina / Metode avansate de analiza si control in hemodinamica cu aplicatii in chirurgia vasculara periferica (MAACH), PNII, PROGRAMUL 4 "Parteneriate in domeniile prioritare" 2319, 82-086, (Contract CNMP 82-086/2008), UTCN	2008-2011	3.6827	250000	67884.976	50000	13577	13.58
23	2	IDEI nr. 1071	Control and numerical analysis of combustion instability using acoustic analogy, Grant CNCSIS IDEI, nr. 1071, UTCN, director proiect Hodor Victor	2007-2010	3.3372	995000	298154.14	150000	44948	44.95
24	1	CNCSIS TD 522	Research on geometry optimization of swirl burners for gaseous fuels through numerical simulation, Grant CNCSIS tip TD 522, UTCN, director proiect	2007-2008	3.3372	45000	13484.358			13.48
Total										740.04

- * Se va specifica fie tipul competitiei, fie terti in cazul contractelor cu mediul economic
** Se va introduce valoarea fara TVA
*** Pentru contracte derulate inainte de 01.01.1999 se va considera echivalarea: 1 Euro=1 USD



DMCDI, Nr.534/04.09.2023

ADEVERINȚA

In atenția domnului conferențiar dr.ing. Bode Florin-Ioan

Ca urmare a solicitării dumneavoastră și în urma analizei documentelor din arhiva Direcției pentru Managementul Cercetării, Dezvoltării și Inovării (DMCDI) vă informăm că figurați în evidențele noastre ca director/membru, în următoarele contracte de cercetare:

1. Proiect de tip PED, nr.611 din 24/06/2022, **“Sistem inovator înglobat în fotoliile de la bordul aeronavelor comerciale pentru reducerea transmisiei SARS-CoV-2”** (SAFE), PN-III-P2-2.1-PED-2021-2265, perioada 2022- prezent, valoare proiect partener UTCN 150.000 lei, **ca responsabil partener;**
2. Proiect cu terți, C 9992 din 16.04.2021 **“Strategia de alimentare cu energie termică a consumatorilor din municipiul Cluj-Napoca în perioada 2021-2031 și perspectiva 2050”**, în care Universitatea Tehnică din Cluj-Napoca este Coordonator, Prof. dr. ing. Mugur Bălan a fost director proiect, perioada 2021, valoare proiect 99.365 lei, **ca membru;**
3. Proiect de tip PED, nr.437 din 23/10/2020, **“Sistem inovativ pentru extinderea autonomiei vehiculelor electrice și îmbunătățirea confortului termic”**, XTREME, Cod depunere: PN-III-P2-2.1-PED-2019-4249; perioada 2020 – 2022, valoare proiect partener UTCN 150.780 lei, **ca responsabil partener;**
4. Proiect de tip Parteneriate, nr.264/2014, **“Strategii inovative de concepție a sistemelor HVAC pentru o calitate ambientală superioară în autovehicule”** - INSIDE, PN-II-PT-PCCA-2013-4-0569, perioada 2014-2016, valoare proiect partener UTCN 125.000lei, **ca responsabil partener;**
5. Proiect de tip Parteneriate, nr.92 din 02/07/2012, **“Strategii Performante pentru creșterea calității Ambientale în Săile de Operație”**. EQUATOR, PN-II-PT-PCCA-2011-3.2-1212, Prof. dr. ing. Victor Hodor a fost responsabil partener UTCN proiect, perioada 2012-2016, valoare proiect partener UTCN 570.000lei, **ca membru;**
6. Proiect de tip Parteneriate, Contract CNMP 82-086/2008, **“Metode avansate de analiza și control în hemodinamica cu aplicații în chirurgia vasculară periferică”** - MAAACH), Conf. dr.



ing. Corina Giurgea a fost responsabil partener UTCN proiect, perioada 2008-2011, valoare proiect partener UTCN 250.000lei, **ca membru;**

7. Proiect de tip Idei, nr. 1071 / 2007, "**Control and numerical analysis of combustion instability using acoustic analogy**", Prof. dr. ing. Victor Hodor a fost director proiect, perioada 2007-2010, valoare proiect 995.000lei, **ca membru;**
8. Proiect de tip TD, nr. 522 / 2007, "**Research on geometry optimization of swirl burners for gaseous fuels through numerical simulation**", perioada 2007-2008, valoare proiect 45.000lei, **ca director.**

Prezenta adeverință se eliberează pentru depunerea dosarului pentru abilitare.

IEȘ

Directia Economica

Nr. D.E. 73/07.09.2023

Domnului Dr. Ing. Florin BODE

Universitatea Tehnică de Construcții București în calitate de instituție coordonatoare, a derulat în perioada 2011 – 2023, proiectele menționate mai jos, în care dr. ing. Florin BODE a avut calitatea de director, fiind pontat în cadrul acestor proiecte de cercetare:

1. Difuzoare de aer inovative cu inductie ridicata pentru imbunatatirea calitatii mediului ambiant in vehicule. Proiect tip PED 2022-2024, Partener: UTCB - Renault Technologie Roumanie SRL - RTR, PN-III-P2-2.1-PED-2021-0559, UTCB. Valoarea totală de la buget 598.795RON. Valoare totală contract: 685.045 RON.
2. Activitate CFD - 2 Scenarii pentru Complexul Therme Frankfurt - Therme (Therme Group RHTG AG, Austrian legal entity), Contract nr1 din 6 Ianuarie 2022 pana in 31.10.2022, UTCB, contract in EUR. Valoarea proiectului a fost 33.906 EUR.
3. Fluid dynamics analysis for innovative personalized ventilation diffusers for automotive and building applications PN-II-RU-PD-2011-3-0099 – Cercetari fluido-dinamice aplicate in dezvoltarea de difuzoare inovante pentru ventilarea personalizata in vehicule si cladiri - Grant PD of the Romanian National Authority for Scientific Research, CNCS – UEFISCDI, UTCB. Valoarea proiectului a fost de 299.990,08 RON.

Prof.d

TRIMBATA
MARE-02023

Direcția Economică

Nr. D.E. 73 / 07.09.2023

Domnului Dr. Ing. Florin BODE

Universitatea Tehnică de Construcții București în calitate de instituție coordonatoare, a derulat în perioada 2011 – 2023, proiectele menționate mai jos, în care dr. ing. Florin BODE a avut calitatea de membru în echipa de proiect, fiind pontat în cadrul acestor proiecte de cercetare:

1. Intelligent Air Diffusion for healthy environments: advanced strategies and evaluation methods - INADEVA - PN-II-ID-PCE-2011-3-0835, 2011-2014, Director: Dr.ing. Ilinca Nastase. Valoare totala proiect: 1.499.680,27 RON
2. Advanced air diffusion system of the crew quarters for the ISS and deep space habitation systems STAR-CDI-C3-2016-577 (2017-2019) Director: Dr.ing. Ilinca Nastase, a grant of the Romanian space agency ROSA, QUEST, UTCB. Valoare totala proiect: 2.320.000 RON din care UTCB: 998.000 RON
3. Passive flow control for heat and mass transfer enhancement of impinging jets" (PHANTOM), PN-III-P4-ID-PCE-2016-0758 (132 din 12/07/2017), (2017-2019) Director: Dr.ing. Ilinca Nastase. Valoare totala proiect: 850.000 RON
4. Real time smart application for urban air quality management respecting the sensitive categories of population (SMARTSENSE)", PN-III-P2-2.1-PED-2016-1285 (55PED din 03/01/2017), (2017-2018) Director: Dr.ing. Ilinca Nastase. Valoare totala proiect: 600.000 RON
5. Tehnologii Emergente pentru Contracurarea Efectelor Induse de Curgerile Turbulente ale Mediilor Fluide, 87PCCDI/2018, PN-III-P1-1.2-PCCDI-2017-0868 (2018-2021), Director: Dr. Ing. Ilinca NASTASE. Valoare totala proiect: 315.000 RON.
6. BUS4RoBOOST – "BUILD UP Skills pentru susținerea renovării pe termen lung a fondului de clădiri în România", perioada 2022-2024, director proiect Șef Luc. dr. ing. Cezar Vlăduț. Valoare totala proiect: 54.428,49 EUR
7. Environment improvement of Sludge dewatering from the wastewater treatment system of SEAU Glina by Optimizing the Local Effluent Capture and Treatment (SOLECT)", PN-III-P2-2.1-BG-2016-0158 (2016-2018), Director: Dr. Ing. Cristiana Croitoru. Valoare totala proiect: 460.000 RON.
8. Colector solar inteligent cu materiale cu schimbare de faza integrate SCOPE, PN-III-P2-2.1-PED-2016-1154 (2017-2018), Director: Dr. Ing. Cristiana Croitoru. Valoare totala proiect: 599.999,65 RON.

9. Sistem integrat cu elemente de fatada ventilata pentru uscarea fructelor si legumelor cu aplicatie in agricultura urbana, PN-III-P2-2.1-PED-2019-4165 (2020-2022), Director: Dr. Ing. Cristiana Croitoru. Valoare totala proiect: 600.000 RON.
10. The power of diversity and social inclusion as a mean for reducing air pollution and achieving green urban nexus in climate neutral cities / Project 101003799 (DivAirCity), Call: H2020-LC-CLA-2018-2019-2020 (2021-2025) Director: Dr. Ing. Cristiana Croitoru. Valoare totala proiect: 469.000 EUR
11. Enhancing market readiness for nZEB implementation - nZEB Ready, H2020 - Coordonator Romania (2021-2024), Responsabil UTCB: Mihnea SANDU, call: H2020-LC-SC3-EE-2020-2, proiect: 101033733, DG/Agency: CINEA, LC-SC3-B4E-2-2020. Valoare totala proiect: 127.125 EUR
12. NetZeRoCities - National Competence Centre and solutions for the development of Climate Neutral and Smart Cities", depus în cadrul apelului PNRR/2022/C9/MCID/15" NetZeRoCities - Centrul Național de Competență și soluții pentru dezvoltarea orașelor climatice neutre și inteligente, contract de finanțare nr. 760007 / 30.12.2022, cod 6 / 16.11.2022 (<https://netzerocities.upb.ro/>) Programe: Planul Național de Redresare și Reziliență (PNRR) - Componenta 9 - Suport pentru Sectorul privat, Cercetare, Dezvoltare și Inovare, Responsabil UTCB: Mihnea SANDU. Valoare totala proiect: 500.000 EUR
13. Colector solar adaptiv cu materiale cu schimbare de faza nano-optimizate, Cod depunere: PN-III-P2-2.1-PED2021-1903, (2022-2024) UTCB Director proiect: Sef. luc. dr. ing. Răzvan Calotă. Valoare totala proiect: 598.795 RON

Prof. »

DIRECTOR ECONOMIC,
Ec. Lucia Nițolă TANCU

Către,

Conf. dr. ing. Florin BODE

Referitor la standardele minimale pentru abilitare in domeniul Inginerie
Mecanică

Universitatea Tehnică din Cluj-Napoca în calitate de instituție coordonatoare, a derulat în perioada 2007 – 2016, proiectele menționate mai jos, în care Conf. dr. ing. Florin BODE a avut calitatea de membru in echipa de proiect, fiind pontat în cadrul acestor proiecte de cercetare:

1. Advanced strategies for high performance indoor Environmental Quality in Operating Rooms – EQUATOR Responsabil UTCN: Prof. Dr. Ing. Victor Hodor, (Strategii Performante pentru cresterea calitatii Ambientale în Salile de Operatie)", PN-II-PT-PCCA-2011-3.2-1212, Grant PARTENERIATE of the Romanian National Authority for Scientific Research, CNCS – UEFISCDI, UTCN. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 175.000lei.
2. Control and numerical analysis of combustion instability using acoustic analogy, Grant CNCISIS IDEI, nr. 1071, UTCN. Director proiect: Prof. Dr. Ing. Victor Hodor. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 150.000lei.

Director Proiect

01.09.2023

Prof. d  r Hodor

Către,

Conf. dr. ing. Florin BODE

Referitor la standardele minimale pentru abilitare in domeniul Inginerie
Mecanică

Universitatea Tehnică din Cluj-Napoca în calitate de instituție coordonatoare, a derulat în anul 2021, proiectul menționat mai jos, în care Conf. dr. ing. Florin BODE a avut calitatea de membru in echipa de proiect, fiind pontat în cadrul acestui proiect de cercetare:

1. Strategia de alimentare cu energie termica a consumatorilor din municipiul Cluj-Napoca in perioada 2021-2031 si perspectiva 2050. Director proiect: Prof. dr. ing. Mugur Balan. Contractul C 9992 din 16.04.2021. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 6000 lei.

Director Proiect

01.09.2023

Prof. dr. ing. Mugur Bălan

Către,

Conf. dr. ing. Florin BODE

Referitor la standardele minimale pentru abilitare in domeniul Inginerie Mecanică

Universitatea Tehnică din Cluj-Napoca în calitate de instituție coordonatoare, a derulat în perioada 2008 – 2011, proiectul menționat mai jos, în care Conf. dr. ing. Florin BODE a avut calitatea de membru in echipa de proiect, fiind pontat în cadrul acestui proiect de cercetare:

1. Advanced methods of analysis and control in hemodynamics with applications in peripheral vascular surgery Coordonator UTCN: Dr. Ing. Giurgea Corina / Metode avansate de analiza si control in hemodinamica cu aplicatii in chirurgia vasculara periferica (MAACH), PNII, PROGRAMUL 4 "Parteneriate in domeniile prioritare" 2319, 82-086, (Contract CNMP 82-086/2008), UTCN. Valoarea proiectului care a revenit Partenerului P1 – UTCN a fost de 306.368lei. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 50.000lei.

Director Proiect

01.09.2023

Conf. dr. ing. Corina Giurgea

Către,

Dr. ing. Florin BODE

Referitor la standardele minimale pentru abilitare în domeniul Inginerie
Mecanică

Universitatea Tehnică de Construcții București în calitate de instituție coordonatoare, a derulat în perioada 2011 – 2023, proiectele menționate mai jos, în care dr. ing. Florin BODE a avut calitatea de membru în echipa de proiect, fiind pontat în cadrul acestor proiecte de cercetare:

1. Intelligent Air Diffusion for healthy environments: advanced strategies and evaluation methods - INADEVA - PN-II-ID-PCE-2011-3-0835, 2011-2014, Director: Dr.ing. Ilinca Nastase. Valoare totala proiect: 1.499.680,27 RON. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 125.000RON.
2. Advanced air diffusion system of the crew quarters for the ISS and deep space habitation systems STAR-CDI-C3-2016-577 (2016-2018) Director: Dr.ing. Ilinca Nastase, a grant of the Romanian space agency ROSA, QUEST, UTCB. Valoare totala proiect: 2.320.000 RON din care UTCB: 998.000 RON. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 100.000RON.
3. Passive flow control for heat and mass transfer enhancement of impinging jets" (PHANTOM), PN-III-P4-ID-PCE-2016-0758 (132 din 12/07/2017), (2017-2019) Director: Dr.ing. Ilinca Nastase. Valoare totala proiect: 850.000 RON. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 250.000RON.
4. Real time smart application for urban air quality management respecting the sensitive categories of population (SMARTSENSE)", PN-III-P2-2.1-PED-2016-1285 (55PED din 03/01/2017), (2017-2018) Director: Dr.ing. Ilinca Nastase. Valoare totala proiect: 600.000 RON. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 75.000RON.
5. Tehnologii Emergente pentru Contracurarea Efectelor Induse de Curgerile Turbulente ale Mediilor Fluide, 87PCCDI/2018, PN-III-P1-1.2-PCCDI-2017-0868 (2018-2021), Director: Dr. Ing. Ilinca NASTASE. Valoare totala proiect: 315.000 RON. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 25.000RON.

Director Proiecte

04.09.2023

Către,

Dr. ing. Florin BODE

Referitor la standardele minimale pentru abilitare in domeniul Inginerie
Mecanică

Universitatea Tehnică de Construcții București în calitate de instituție coordonatoare, a derulat în perioada 2011 – 2023, proiectele menționate mai jos, în care dr. ing. Florin BODE a avut calitatea de membru in echipa de proiect, fiind pontat în cadrul acestor proiecte de cercetare:

1. Environment improvement of Sludge dewatering from the wastewater treatment system of SEAU Glina by Optimizing the Local Effluent Capture and Treatment (SOLECT)”, PN-III-P2-2.1-BG-2016-0158 (2016-2018), Director: Dr. Ing. Cristiana Croitoru. Valoare totala proiect: 460.000 RON. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 70.000RON.
2. Colector solar inteligent cu materiale cu schimbare de faza integrate SCOPE, PN-III-P2-2.1-PED-2016-1154 (2016-2018), Director: Dr. Ing. Cristiana Croitoru. Valoare totala proiect: 599.999.65 RON. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 75.000RON.
3. Sistem integrat cu elemente de fatada ventilata pentru uscarea fructelor si legumelor cu aplicatie in agricultura urbana, PN-III-P2-2.1-PED-2019-4165 (2020-2022), Director: Dr. Ing. Cristiana Croitoru. Valoare totala proiect: 600.000 RON. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 90.000RON.
1. The power of diversity and social inclusion as a mean for reducing air pollution and achieving green urban nexus in climate neutral cities / Project 101003799 (DivAirCity), Call: H2020-LC-CLA-2018-2019-2020 Director: Dr. Ing. Cristiana Croitoru. Valoare totala proiect: 469.000 EUR. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 290.000RON.

Director Proiecte

31.08.2023

Către,

Dr. ing. Florin BODE

Referitor la standardele minimale pentru abilitare in domeniul Inginerie
Mecanică

În perioada 2022 - 2024 se derulează proiectul intitulat BUS4RoBOOST – “BUILD UP Skills pentru susținerea renovării pe termen lung a fondului de clădiri în România”, perioada 2022-2024, iar dl dr. ing. Florin BODE este membru în echipa proiectului, unde activează și este pontat.

Echipa partenerului UTCB - Universitatea Tehnică de Construcții București din cadrul proiectului mai sus menționat este coordonată de Șef Luc. dr. ing. Cezar Vlăduț.

Se menționează că valoarea totală a proiectului este 54428.49EUR iar valoarea alocată membrului Florin BODE în echipă de către directorul de proiect este de 51500lei.

Director Proiect

01.09.2023

r Vlăduț

Către,

Dr. ing. Florin BODE

Referitor la standardele minimale pentru abilitare în domeniul Inginerie
Mecanică

Universitatea Tehnică de Construcții București în calitate de instituție coordonatoare, a derulat în perioada 2011 – 2023, proiectele menționate mai jos, în care dr. ing. Florin BODE a avut calitatea de membru în echipa de proiect, fiind pontat în cadrul acestor proiecte de cercetare:

1. Enhancing market readiness for nZEB implementation - nZEB Ready, H2020 - Coordonator Romania (2021-2024), Responsabil UTCB: Mihnea SANDU, call: H2020-LC-SC3-EE-2020-2, proiect: 101033733, DG/Agency: CINEA, LC-SC3-B4E-2-2020, Valoare totala proiect: 127.125 EUR. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 95000RON.
2. NetZeRoCities - National Competence Centre and solutions for the development of Climate Neutral and Smart Cities”, depus în cadrul apelului PNRR/2022/C9/MCID/15" NetZeRoCities - Centrul Național de Competență și soluții pentru dezvoltarea orașelor climatice neutre și inteligente, contract de finanțare nr. 760007 / 30.12.2022, cod 6 / 16.11.2022 (<https://netzerocities.upb.ro/>) Programe: Planul Național de Redresare și Reziliență (PNRR) - Componenta 9 - Suport pentru Sectorul privat, Cercetare, Dezvoltare și Inovare, Responsabil UTCB: Mihnea SANDU. Valoare totala proiect: 500.000 EUR. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 90000RON.

Director Proiecte

28.08.2023

Către,

Dr. ing. Florin BODE

Referitor la standardele minimale pentru abilitare in domeniul Inginerie
Mecanică

Universitatea Tehnică de Construcții București în calitate de instituție coordonatoare, a derulat în perioada 2011 – 2023, proiectele menționate mai jos, în care dr. ing. Florin BODE a avut calitatea de membru in echipa de proiect, fiind pontat în cadrul acestui proiect de cercetare:

Colector solar adaptiv cu materiale cu schimbare de faza nano-optimizate, Cod depunere: PN-III-P2-2.1-PED2021-1903, UTCB, Valoare totala proiect: 598.795 lei. Valoarea alocată membrului Florin BODE în echipă de către directorul de proiect a fost de 40.000RON.

Director Proiect

05.09.2023

Nr. Crt.	Date de identificare complete ale articolelor care citeaza	Anul in care a fost citata lucrarea	Linkul articolului care citeaza	Factorul de impact al publicației WOS în care apare citarea	Punctaj individual
	Thermal comfort models for indoor spaces and vehicles-Current capabilities and future perspectives By: Croitoru, Cristiana; Nastase, Ilinca; Bode, Florin; et al. RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 44 Pages: 304-318 Published: APR 2015 WOS:000351324300022 https://doi.org/10.1016/j.rser.2014.10.105				
1	State-of-the-art, challenges and new perspectives of thermal comfort demand law for on-demand intelligent control of heating, ventilation, and air conditioning systems Zhao, XW; Yin, YG; (...); Deng, ZP Sep 15 2023 Jun 2023 (Early Access) ENERGY AND BUILDINGS	2023	https://0710m8bvi-y-https-www-wel	6.7	7.70
2	Investigation of changes in Driver's biosignals and thermal comfort according to the heating method in winter Open Access Kim, Y., Lee, M., Shin, Y., Cho, H.2023Case Studies in Thermal Engineering 42,102749	2023	https://0710e8dz7-y-https-www-sco	0	1.00
3	Equivalent contact temperature (ECT) for personal comfort assessment - analytical description and definition of comfort limits Warthmann, A; Kohri, I; (...); van Treeck, C Jun 2023 (Early Access) ERGONOMICS	2023	https://0710m8bvi-y-https-www-wel	2.4	3.40
4	Experimental investigation on energy consumption of power battery integrated thermal management system Ma, J; Sun, YF and Zhang, S May 1 2023 Feb 2023 (Early Access) 270 ENERGY	2023	https://0710m8bvi-y-https-www-wel	9	10.00
5	An open-source data acquisition system for laboratory and industrial scale applicationsNiehaus, K (Niehaus, Konstantin) [1] ; Westhoff, A (Westhoff, Andreas) [1]DOI10.1088/1361-6501/ac9994 Measurement Science and Technology 34(2),027001	2023	https://www.webofscience.com/wos	2.4	3.40
6	Investigation of changes in Driver's biosignals and thermal comfort according to the heating method in winter Kim, Y; Lee, M; (...); Cho, HFeb 2023 Jan 2023 (Early Access) 42 CASE STUDIES IN THERMAL ENGINEERING	2023	https://0710m8bvi-y-https-www-wel	6.8	7.80
7	Constructual Evaluation of Polynomial Meta-Models for Dynamic Thermal Absorptivity Forecasting for Mixed-Mode nZEB Heritage Building Applications Mavromatidis, L Jan 2023 16 (1) Energies	2023	https://0710m8bvi-y-https-www-wel	3.2	4.20
8	More intelligent and efficient thermal environment management: A hybrid model for occupant-centric thermal comfort monitoring in vehicle cabins He, X., Zhang, X., Zhang, R., (...), Guo, F., Wang, Y. Building and Environment 228,109866	2023	https://www.sciencedirect-com.am	7.4	8.40
9	Revisiting the dynamics of car cabin environment and driver comfort Open Access Alkaabi, K., Raza, M.2022Frontiers in Built Environment 8,1041305	2022	https://www.frontiersin.org/articles/	3	4.00
10	Evaluation of Indoor Thermal Environments Using a Novel Predicted Mean Vote Model Based on Artificial Neural NetworksDuan, XS (Duan, Xiaosai) [1] ; Yu, SH (Yu, Suihuai) [1] ; Chu, JJ (Chu, Jianjie) [1] ; Chen, DK (Chen, Dengkai) [1] ; Chen, YH (Chen, Yanhao) [1]DOI10.3390/buildings12111880	2022	https://www.webofscience.com/wos	3.8	4.80
11	Effect of steering wheel heating system on hand thermal sensationKim, GT (Kim, Gwi Taek) [1] ; Jung, JY (Jung, Joo Young) DOI10.1007/s12206-022-0645-1	2022	https://www.webofscience.com/wos	1.6	2.60
12	Blocking effect of desktop air curtain on aerosols in exhaled breath Takamura, K (Takamura, Kotaro) [1] ; Sakamoto, Y (Sakamoto, Yasuaki) [2] ; Yagi, T (Yagi, Tetsuya) [3] ; Iwatani, Y (Iwatani, Yasumasa) [4] ; Amano, H (Amano, Hiroshi) DOI10.1063/5.0086659	2022	https://www.webofscience.com/wos	1.6	2.60
13	An Innovative Modelling Approach Based on Building Physics and Machine Learning for the Prediction of Indoor Thermal Comfort in an Office Building Tardioli, G (Tardioli, Giovanni) [1] ; Filho, R (Filho, Ricardo) [1] ; Bernaud, P (Bernaud, Pierre) [2] ; Ntimos, D (Ntimos, Dimitrios) [1] DOI10.3390/buildings12040475	2022	https://www.webofscience.com/wos	3.8	4.80
14	CFD analysis of rotating diffuser in a SUV vehicle for improving thermal comfortKarthick, L (Karthick, L.) [1] ; Prabhu, D (Prabhu, D.) [1] ; Rameshkumar, K (Rameshkumar, K.) [1] ; Prabhu, T (Prabhu, T.) [2] ; Jagadish, CA (Jagadish, C. A.)DOI10.1016/j.matpr.2021.10.482	2022	https://www.webofscience.com/wos	0	1.00
15	Review of practices for human thermal comfort in buildings: present and future perspectives By: Sansaniwal, Sunil Kumar; Mathur, Jyotirmay; Mathur, Sanjay INTERNATIONAL JOURNAL OF AMBIENT ENERGY early access iconEarly Access: FEB 2020	2022	https://www.scopus-com.am.e-nfor	0	1.00

16	Prediction of thermal comfort of female passengers in a vehicle based on an outdoor experiment Yun, S (Yun, Seoyeon) [1] ; Chun, C (Chun, Chungyoon) [1] ; Kwak, J (Kwak, Jiyoung) [1] ; Park, JS (Park, J. S.) [2] ; Kwon, C (Kwon, Chunkyu) [3] ; Kim, S (Kim, Sanghun) DOI10.1016/j.enbuild.2021.111161	2021	https://www.webofscience.com/wos	7.201	8.20
17	Towards a holistic approach to indoor environmental quality assessment:Weighting schemes to combine effects of multiple environmental factors By:Leccese, F (Leccese, Francesco) [1] ; Rocca, M (Rocca, Michele) [1] ; Salvadori, G (Salvadori, Giacomo) [1] ; Belloni, E (Belloni, Elisa) [2] ; Buratti, C (Buratti, Cinzia) [2] DOI10.1016/j.enbuild.2021.111056	2021	https://www.webofscience.com/wos	7.201	8.20
18	Thermoregulation Model for the Reference Indian AdultKaramapuri, K., Shine, S.R.2021Journal of The Institution of Engineers (India): Series C 102(4), pp. 1073-1089	2021	https://www.scopus-com.am.e-nfor	0	1.00
19	Review of the existing state of the art regarding the use of CFD and human thermophysiological models for the vehicular comfort assessment Open Access Jamin, A., Bosschaerts, W., Nastase, I., Janssens, B.2021IOP Conference Series: Earth and Environmental Science 664(1),012012	2021	https://www.scopus-com.am.e-nfor	0	1.00
20	EVALUATION OF HEATING EFFICIENCY AND THERMAL COMFORT IN SPECIAL PURPOSE VEHICLE CABINSBy:Micovic, AM (Micovic, Aleksandar M.) [1] ; Komatina, MS (Komatina, Mirko S.) [2] ; Brkljac, NS (Brkljac, Nenko S.) [3] ; Sarkocecic, ZS (Sarkocecic, Zivce S.) [1] ; Camagic, IR (Camagic, Ivica R.) [1] ; Golubovic, ZV (Golubovic, Zoran, V) DOI10.2298/TSCI201103172M	2021	https://www.webofscience.com/wos	1.971	2.97
21	Experiment and Simulation for Occupant's Surface Temperature and Thermal Environment with Human Thermal Regulation Model He, Y.-S., Ling, J., Yang, J., Du, Y.-F., Zhang, Z.-F.2021 Zhongguo Gonglu Xuebao/China Journal of Highway and Transport 34(1), pp. 199-208	2021	https://www.scopus-com.am.e-nfor	0	1.00
22	Measuring the right factors: A review of variables and models for thermal comfort and indoor air quality By:Ma, N (Ma, Nan) [1] ; Aviv, D (Aviv, Dorit) [1] , [2] ; Guo, HS (Guo, Hongshan) [2] ; Braham, WW (Braham, William W.) [1] DOI10.1016/j.rser.2020.110436	2021	https://www.webofscience.com/wos	16.799	17.80
23	Study on local thermal sensation and model applicability in vehicle cabin under different driving statesQi, L., Liu, J., Zhang, L., Wu, Q.2021Heat and Mass Transfer/Waerme- und Stoffuebertragung 57(1), pp. 41-52	2021	https://www.scopus-com.am.e-nfor	0	1.00
24	A Review of Thermal Comfort Applied in Bus Cabin Environments, By: Almeida, Matheus das Neves; de Paula Xavier, Antonio Augusto; Michaloski, Ariel Orlei, APPLIED SCIENCES-BASEL Volume: 10 Issue: 23 Article Number: 8648 Published: DEC 2020	2020	https://www.mdpi.com/2076-3417/1	2.679	3.68
25	The Study of Facial Muscle Movements for Non-Invasive Thermal Discomfort Detection via Bio-Sensing Technology. Part I: Development of the Experimental Design and Description of the Collected Data By: Marchenko, Alla; Temeljotov-Salaj, Alenka; Rizzardi, Victor; et al. APPLIED SCIENCES-BASEL Volume: 10 Issue: 20 Article Number: 7315 Published: OCT 2020	2020	https://www.mdpi.com/2076-3417/1	2.679	3.68
26	A cooperative ceiling air supply method to satisfy personal thermal preferences in a discretionary indoor positionHu, J., Shan, C., Wu, J., (...), Ding, G., Xu, L.X.2020Journal of Building Engineering 31,101367	2020	https://www.scopus-com.am.e-nfor	0	1.00
27	Thermal sensation model for driver in a passenger car with changing solar radiation, By: Zhou, Xiaojie; Lai, Dayi; Chen, Qingyan, BUILDING AND ENVIRONMENT Volume: 183 Article Number: 107219 Published: OCT 2020	2020	https://www.sciencedirect.com/scie	6.456	7.46
28	Study on local thermal sensation and model applicability in vehicle cabin under different driving states By: Qi, Liangkui; Liu, Jianhua; Zhang, Liang; et al. HEAT AND MASS TRANSFER Volume: 57 Issue: 1 Pages: 41-52 Early Access: AUG 2020	2020	https://www.sciencedirect.com/scie	2.464	3.46
29	Human thermal comfort in passenger vehicles using an organic phase change material- an experimental investigation, neural network modelling, and optimization By: Afzal, Asif; Saleel, C. Ahamed; Badruddin, Irfan Anjum; et al. BUILDING AND ENVIRONMENT Volume: 180 Article Number: 107012 Published: AUG 2020	2020	https://www.sciencedirect.com/scie	6.456	7.46
30	A Novel Methodology for Evaluating the Impact of Energy Efficiency Measures on the Cabin Thermal Comfort of Electric Vehicles By: Basciotti, Daniele; Dvorak, Dominik; Gellai, Imre ENERGIES Volume: 13 Issue: 15 Article Number: 3872 Published: AUG 2020	2020	https://www.mdpi.com/1996-1073/1	3.004	4.00
31	Experimental study on dynamic thermal environment of passenger compartment based on thermal evaluation indexes By: Zhang, Liang; Qi, Liangkui; Liu, Jianhua; et al. SCIENCE PROGRESS Volume: 103 Issue: 3 Article Number: 0036850420942991 Published: JUL 2020	2020	https://journals.sagepub.com/doi/fu	2.774	3.77
32	A Systematic Literature Review of Non-Invasive Indoor Thermal Discomfort Detection By: Marchenko, Alla; Temeljotov-Salaj, Alenka APPLIED SCIENCES-BASEL Volume: 10 Issue: 12 Article Number: 4085 Published: JUN 2020	2020	https://www.mdpi.com/2076-3417/1	2.679	3.68
33	Bayesian updates for indoor thermal comfort models By: Mui, K. W.; Tsang, T. W.; Wong, L. T. JOURNAL OF BUILDING ENGINEERING Volume: 29 Article Number: 101117 Published: MAY 2020	2020	https://www.sciencedirect.com/scie	5.318	6.32

34	A case study to improve the winter thermal comfort of an existing bus station By: Rocha, Ana; Pinto, Debora; Ramos, Nuno M. M.; et al. JOURNAL OF BUILDING ENGINEERING Volume: 29 Article Number: 101123 Published: MAY 2020	2020	https://www.sciencedirect.com/scie	5.318	6.32
35	Comparative study on differences of human thermal characteristics in cabin between driving and idle state By: Wu Qingqing; Liu Jianhua HEAT AND MASS TRANSFER Volume: 56 Issue: 7 Pages: 2255-2264 Published: JUL 2020	2020	https://link.springer.com/article/10.1	2.464	3.46
36	Extending Predicted Mean Vote using adaptive approach By: Zhang, Sheng; Lin, Zhang BUILDING AND ENVIRONMENT Volume: 171 Article Number: 106665 Published: MAR 15 2020	2020	https://www.sciencedirect.com/scie	6.456	7.46
37	Air Enthalpy as an IAQ Indicator in Hot and Humid Environment-Experimental Evaluation By: Piasecki, Michal; Kostyrko, Krystyna; Fedorczak-Cisak, Malgorzata; et al. ENERGIES Volume: 13 Issue: 6 Article Number: 1481 Published: MAR 2020	2020	https://www.mdpi.com/1996-1073/1	3.004	4.00
38	Review of practices for human thermal comfort in buildings: present and future perspectives By: Sansaniwal, Sunil Kumar; Mathur, Jyotirmay; Mathur, Sanjay INTERNATIONAL JOURNAL OF AMBIENT ENERGY early access iconEarly Access: FEB 2020	2020	https://www.tandfonline.com/doi/ab	0	1.00
39	Online prediction of time series with assumed behavior By: Rosenfeld, Ariel; Cohen, Moshe; Kraus, Sarit; et al. ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE Volume: 88 Article Number: 103358 Published: FEB 2020	2020	https://www.sciencedirect.com/scie	6.212	7.21
40	A multi-criteria assessment of the passengers' level of comfort in urban railway rolling stock By: Mohammadi, Alireza; Amador-Jimenez, Luis; Nasiri, Fuzhan SUSTAINABLE CITIES AND SOCIETY Volume: 53 Article Number: 101892 Published: FEB 2020	2020	https://www.sciencedirect.com/scie	7.587	8.59
41	Is air moisture relevant on radiative heat exchange inside built environments? By: Serra, Nuno; Semiao, Viriato ENGINEERING COMPUTATIONS Volume: 37 Issue: 4 Pages: 1291-1316 Published: NOV 23 2019	2019	https://www.emerald.com/insight/cc	1.322	2.32
42	A Review of CFD Analysis Methods for Personalized Ventilation (PV) in Indoor Built Environments By: Liu, Jiying; Zhu, Shengwei; Kim, Moon Keun; et al. SUSTAINABILITY Volume: 11 Issue: 15 Article Number: 4166 Published: AUG 2019	2019	https://www.mdpi.com/2071-1050/1	2.576	3.58
43	Micro-environmental control for efficient local cooling: Results from manikin and human participant tests By: Kong, Meng; Zhang, Jianshun; Dang, Thong Q.; et al. BUILDING AND ENVIRONMENT Volume: 160 Article Number: 106198 Published: AUG 2019	2019	https://www.sciencedirect.com/scie	4.971	5.97
44	An Innovative Design of Regional Air Conditioning to Increase Automobile Cabin Energy Efficiency, By: Yang, Cheng-Jung; Yang, Tzu-Chun; Chen, Po-Tuan; et al. ENERGIES Volume: 12 Issue: 12 Article Number: 2352 Published: JUN 2 2019	2019	https://www.mdpi.com/1996-1073/1	2.702	3.70
45	Coconut oil as phase change material to maintain thermal comfort in passenger vehicles, By: Saleel, C. Ahamed; Mujeebu, M. Abdul; Algarni, Salem, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 136 Issue: 2 Pages: 629-636 Published: APR 2019	2019	https://apps-webofknowledge-com.	2.731	3.73
46	Studying comfort and energy usage for different room arrangements using a simplified flow pattern for highly-cooled and conventional operations, By: Ahmed, Asmaa F.; Mina, Ehab M.; AbdelMessih, Raouf N.; et al. AIN SHAMS ENGINEERING JOURNAL Volume: 10 Issue: 1 Pages: 83-91 Published: MAR 2019	2019	https://apps-webofknowledge-com.	1.949	2.95
47	Experimental investigation of thermal comfort in a passenger car under driving conditions, By: Zhou, Xiaojie; Lai, Dayi; Chen, Qingyan, BUILDING AND ENVIRONMENT Volume: 149 Pages: 109-119 Published: FEB 2019	2019	https://apps-webofknowledge-com.	4.971	5.97
48	Experimental investigation of an Air Source Heat Pump, By: Talpiga, Mugurel Florin; Iordache, Florin; Mandric, Eugen, Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO) Location: Cluj Napoca, ROMANIA Date: OCT 09-13, 2018, SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT (EENVIRO 2018) Book Series: E3S Web of Conferences Volume: 85 Article Number: 01011 Published:	2019	https://apps-webofknowledge-com.	0	1.00
49	Micro-environmental control for efficient local heating: CFD simulation and manikin test verification By: Kong, Meng; Dang, Thong Q.; Zhang, Jianshun; et al. BUILDING AND ENVIRONMENT Volume: 147 Pages: 382-396 Published: JAN 2019	2019	https://apps-webofknowledge-com.	4.971	5.97
50	Determination of car seat contact area for personalised thermal sensation modelling By: Fojtlin, Milos; Psikuta, Agnes; Toma, Robert; et al., PLOS ONE Volume: 13 Issue: 12 Article Number: e0208599 Published: DEC 11 2018	2018	https://journals.plos.org/plosone/art	2.776	3.78
51	Energy management strategy of thermoelectric generation for localized air conditioners in commercial vehicles based on 48 V electrical system By: Li, Xiaolong; Xie, Changjun; Quan, Shuhai; et al. APPLIED ENERGY Volume: 231 Pages: 887-900 Published: DEC 1 2018	2018	https://www.sciencedirect.com/scie	8.426	9.43
52	Retractable membrane ceilings for indoor thermal environment of residential buildings By: Hu, Jianhui; Kawaguchi, Ken'ichi; Ma, Junbin BUILDING AND ENVIRONMENT Volume: 146 Pages: 289-298 Published: DEC 2018	2018	https://www.sciencedirect.com/scie	4.82	5.82
53	Heart rate variability as a predictive biomarker of thermal comfort By: Nkurikiyeyezu, Kizito N.; Suzuki, Yuta; Lopez, Guillaume F. JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING Volume: 9 Issue: 5 Special Issue: SI Pages: 1465-1477 Published: OCT 2018	2018	https://link.springer.com/article/10.1	1.423	2.42

54	Objective investigation of discomfort due to draught in a tangential air distribution system: Influence of air diffuser's offset ratio By: Both, Balazs; Szantho, Zoltan INDOOR AND BUILT ENVIRONMENT Volume: 27 Issue: 8 Pages: 1105-1118 Published: OCT 2018	2018	https://journals.sagepub.com/doi/at	1.367	2.37
55	Educational tool for the learning of thermal comfort control based on PMV-PPD indices By: Ruz, Mario L.; Garrido, Juan; Vazquez, Francisco COMPUTER APPLICATIONS IN ENGINEERING EDUCATION Volume: 26 Issue: 4 Pages: 906-917 Published: JUL 2018	2018	https://onlinelibrary.wiley.com/doi/a	1.435	2.44
56	Energy Efficient Thermoelectric Generator-Powered Localized Air-Conditioning System Applied in a Heavy-Duty Vehicle By: Ran, Yuan; Deng, Yadong; Hu, Tao; et al. JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME Volume: 140 Issue: 7 Article Number: 072007 Published: JUL 2018	2018	http://energyresources.asmedigital	2.759	3.76
57	Numerical study on thermal performances of 2.0 kW burner for the cabin heater of an electric passenger vehicle By: Patil, Mahesh Suresh; Cho, Chong-Pyo; Lee, Moo-Yeon APPLIED THERMAL ENGINEERING Volume: 138 Pages: 819-831 Published: JUN 25 2018	2018	https://www.sciencedirect.com/scie	4.026	5.03
58	Reinforcement learning-based thermal comfort control for vehicle cabins By: Brusey, James; Hintea, Diana; Gaura, Elena; et al. MECHATRONICS Volume: 50 Pages: 413-421 Published: APR 2018	2018	https://www.sciencedirect.com/scie	2.978	3.98
59	Thermal and water vapor transmission through porous warp knitted 3D spacer fabrics for car upholstery applications By: Arumugam, Veerakumar; Mishra, Rajesh; Militky, Jiri; et al. JOURNAL OF THE TEXTILE INSTITUTE Volume: 109 Issue: 3 Pages: 345-357 Published: 2018	2018	https://www.tandfonline.com/doi/ab	1.063	2.06
60	An innovative HVAC control system: Implementation and testing in a vehicular cabin By: Fojtlin, Milos; Fiser, Jan; Pokorny, Jan; et al. Conference: 11th International Meeting on Thermal Manikin and Modelling Location: Suzhou, PEOPLES R CHINA Date: OCT 12-14, 2016 JOURNAL OF THERMAL BIOLOGY Volume: 70 Special Issue: SI Pages: 64-68 Part: A Published: DEC 2017	2017	https://www.sciencedirect.com/scie	2.093	3.09
61	A review of thermal comfort models and indicators for indoor environments By: Enescu, Diana RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 79 Pages: 1353-1379 Published: NOV 2017	2017	https://www.sciencedirect.com/scie	9.184	10.18
62	Advances in Integrated Vehicle Thermal Management and Numerical Simulation By: Wang, Yan; Gao, Qing; Zhang, Tianshi; et al. ENERGIES Volume: 10 Issue: 10 Article Number: 1636 Published: OCT 2017	2017	https://www.researchgate.net/public	2.676	3.68
63	Thermal manikins controlled by human thermoregulation models for energy efficiency and thermal comfort research - A review By: Psikuta, Agnes; Allegrini, Jonas; Koelblen, Barbara; et al. RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 78 Pages: 1315-1330 Published: OCT 2017	2017	https://www.sciencedirect.com/scie	9.184	10.18
64	Energy Saving Investigation of Heat and Energy Recovery Ventilation Units By: Kassai, Miklos Conference: 8th International Conference on ENERGY and ENVIRONMENT (CIEM) Location: Bucharest, ROMANIA Date: OCT 19-20, 2017 Sponsor(s): Univ POLITEHNICA Bucharest; IEEE Power & Energy Soc; SHANGHAI ACAD SCI & TECHNOL; WORLD ENERGY COUNCIL, COMITETUL NATL ROMAN; Univ Ljubljana; Acad Romanian Scientists; Gheorghe Asachi Tech Univ Iasi 2017 8TH INTERNATIONAL CONFERENCE ON ENERGY AND ENVIRONMENT (CIEM) Book Series: International Conference on Energy and Environment Pages: 177-181 Published: 2017	2017	https://ieeexplore.ieee.org/documen	0	1.00
65	Heart Rate Variability as an Indicator of Thermal Comfort State By: Nkurikiyeyezu, Kizito N.; Suzuki, Yuta; Tobe, Yoshito; et al. Conference: 56th Annual Conference of the Society-of-Instrument-and-Control-Engineers-of-Japan (SICE) Location: Kanazawa Univ, Kanazawa, JAPAN Date: SEP 19-22, 2017 Sponsor(s): Soc Instrument & Control Engineers Japan 2017 56TH ANNUAL CONFERENCE OF THE SOCIETY OF INSTRUMENT AND CONTROL ENGINEERS OF JAPAN (SICE) Pages: 1510-1512 Published: 2017	2017	https://ieeexplore.ieee.org/documen	0	1.00
66	Level of comfort and safety in railway transit By: Amador-Jimenez, Luis; Nasiri, Fuzhan; Mohammadi, Alireza Conference: 4th International Conference on Transportation Information and Safety (ICTIS) Location: Banff, CANADA Date: AUG 08-10, 2017 Sponsor(s): Wuhan Univ Technol; China Commun & Transportat Assoc; Amer Soc Civil Engineers; Canadian Soc Civil Engn; IEEE Intelligent Transportat Syst Soc 2017 4TH INTERNATIONAL CONFERENCE ON TRANSPORTATION INFORMATION AND SAFETY (ICTIS) Pages: 1060-1066 Published: 2017	2017	https://ieeexplore.ieee.org/documen	0	1.00
67	Impact of measurable physical phenomena on contact thermal comfort By: Fojtlin, Milos; Pokorny, Jan; Fiser, Jan; et al. Conference: 11th International Conference on Experimental Fluid Mechanics (EFM) Location: Marienbad, CZECH REPUBLIC Date: NOV 15-18, 2016 Sponsor(s): Dantec Dynam GmbH; Lavision; MIT s r o; TSI GmbH EXPERIMENTAL FLUID MECHANICS 2016 (EFM16) Book Series: EPJ Web of Conferences Volume: 143 Article Number: UNSP 02026 Published: 2017	2017	https://www.epj-conferences.org/ar	0	1.00
68	A systematic extreme learning machine approach to analyze visitors' thermal comfort at a public urban space By: Kariminia, Shahab; Shamshirband, Shahaboddin; Motamedi, Shervin; et al. RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 58 Pages: 751-760 Published: MAY 2016	2016	https://www.sciencedirect.com/scie	9.184	10.18

69	Online Prediction of Exponential Decay Time Series with Human-Agent Application By: Rosenfeld, Ariel; Keshet, Joseph; Goldman, Claudia V.; et al. Conference: 22nd European Conference on Artificial Intelligence (ECAI) Location: Hague, NETHERLANDS Date: AUG 29-SEP 02, 2016 Sponsor(s): European Assoc Artificial Intelligence; PricewaterhouseCoopers; Taylor & Francis Grp; Essence ITN Network; Vrije Univ Amsterdam ECAI 2016: 22ND EUROPEAN CONFERENCE ON ARTIFICIAL INTELLIGENCE Book Series: Frontiers in Artificial Intelligence and Applications Volume: 285 Pages: 595-603 Published: 2016	2016	https://dl.acm.org/citation.cfm?id=3	0	1.00
70	An overview of current methods for thermal comfort assessment in vehicle cabin By: Danca, Paul; Vartires, Andreea; Dogeanu, Angel Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv Engn EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 162-169 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00
71	A questioning of the Thermal Sensation Vote index based on questionnaire survey for real working environments By: Nastase, Ilinca; Croitoru, Cristiana; Lungu, Catalin Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv Engn EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 366-374 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00
72	Factors which influence the thermal comfort inside of vehicles By: Simion, Mihaela; Socaciu, Lavinia; Unguresan, Paula Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv Engn EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 472-480 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00
73	PCM selection using AHP method to maintain thermal comfort of the vehicle occupants By: Socaciu, Lavinia; Giurgiu, Oana; Banyai, Daniel; et al. Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv Engn EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 489-497 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00
74	An integrated assessment of the high-performance glazing systems in the office buildingsElkhatay, Y.O., Ibrahim, M.G., Ali, A.A.M.20192019 Advances in Science and Engineering Technology International Conferences, ASET 2019 8714570	2019	https://www.scopus.com/record/dis	0	1.00
75	Simulation of human thermal comfort considering local radiant heating for passengers in electric vehicles Open Access Lee, Y., Lee, H., Kim, J.K.2019Transactions of the Korean Society of Automotive Engineers 27(12), pp. 933-940	2019	https://www.scopus.com/record/dis	0	1.00
76	Combined energy and comfort optimization of air conditioning system in connected and automated vehicles Open Access Wang, H., Amini, M.R., Song, Z., Sun, J., Kolmanovsky, I.2019ASME 2019 Dynamic Systems and Control Conference, DSCC 2019 1,v001t08a001	2019	https://www.scopus.com/record/dis	0	1.00
77	Predicting human decision-making from prediction to actionRosenfeld, A., Kraus, S.2018Synthesis Lectures on Artificial Intelligence and Machine Learning 12(1), pp. 1-149	2018	https://www.scopus.com/record/dis	0	1.00
78	Passengers' thermal comfort in private car cabin in hot climateEldegwy, A., Khalil, E.E.20182018 Joint Propulsion Conference AIAA 2018-4613	2018	https://www.scopus.com/record/dis	0	1.00
79	The assessment of the environmental quality directly perceived and experienced by the employees of 69 European officesMarchenko, A., Carlucci, S., Pagliano, L., (...), Delaere, N., Assimakopoulos, M.2018Proceedings of 10th Windsor Conference: Rethinking Comfort pp. 1017-1028	2018	https://www.scopus.com/record/dis	0	1.00
80	Heart rate variability as an indicator of thermal comfort state Open Access Nkurikiyeyezu, K.N., Suzuki, Y., Tobe, Y., Lopez, G.F., Ito, K.20172017 56th Annual Conference of the Society of Instrument and Control Engineers of Japan, SICE 2017 2017-November, pp. 1510-1512	2017	https://www.scopus.com/record/dis	0	1.00

80	Energy efficiency of PCM integrated in fresh air cooling systems in different climatic conditions By: Pop, Octavian G.; Tutunaru, Lucian Fechete; Bode, Florin; et al. APPLIED ENERGY Volume: 212 Pages: 976-996 Published: FEB 15 2002 WOS:000425200700074 DOI10.1016/j.apenergy.2017.12.122				
81	Novel 3D Printing Phase Change Aggregate Concrete: Mechanical and Thermal Properties AnalysisJiang, JY (Jiang, Jinyang) [1] ; Zheng, CL (Zheng, Chaolang) [1] ; Wang, FJ (Wang, Fengjuan) [1] ; Xu, WX (Xu, Wenxiang) [2] ; Wang, LG (Wang, Ligu) [1] ; Chen, ZY (Chen, Zhaoyi) [3] ; Su, W (Su, Wei) [DOI10.3390/ma15238393MATERIALS	2022	https://www.webofscience.com/wos	3.478	4.48
82	Phase change materials (PCMs) in buildings (Book Chapter)Faraj, K., Khaled, M., Faraj, J., Hachem, F., Castelain, C.2023Multifunctional Phase Change Materials: Fundamentals, Properties and Applications pp. 507-567	2023	https://0710e8dz7-y-https-www-sco	0	1.00
83	Preparation and Temperature- Sensitive Response Properties of Conductive Composite Phase Change Composites [导电复合相变储能材料的制备及温敏响应性能]Shen, S., Zhao, Z., Su, J., (...), Jia, S., Chen, L.2023Gaofenzi Cailiao Kexue Yu Gongcheng/Polymeric Materials Science and Engineeringn 39(1), pp. 151-159	2023	https://0710e8dz7-y-https-www-sco	0	1.00
84	Single and Multi-phase Change Materials Used in Cooling SystemsAbdolmaleki, L., Berardi, U.2022International Journal of Thermophysics 43(4),61	2022	https://0710e8dz7-y-https-www-sco	0	1.00
85	Analytical modeling and validation of the thermal behavior of seasonal storage tanks for solar district heatingHiris, DP (Hiris, Daniel P.) [1] ; Pop, OG (Pop, Octavian G.) [1] ; Balan, MC (Balan, Muger C.) [1]10.1016/j.egyr.2022.07.113v ENERGY REPORTS	2022	https://www.webofscience.com/wos	4.937	5.94
86	Experimental investigation of the impact of design and control parameters of water-based active phase change materials system on thermal energy storageAlam, M (Alam, Morshed) [1] ; Devapriya, S (Devapriya, Shyan) [1] ; Sanjayan, J (Sanjayan, Jay) [1]ENERGY AND BUILDINGSDOI10.1016/j.enbuild.2022.112226	2022	https://www.webofscience.com/wos	7.201	8.20
87	Single and Multi-phase Change Materials Used in Cooling SystemsAbdolmaleki, Leila (Abdolmaleki, Leila) ; Berardi, Umberto (Berardi, Umberto)INTERNATIONAL JOURNAL OF THERMOPHYSICSDOI10.1007/s10765-022-02989-z	2022	https://www.webofscience.com/wos	2.416	3.42
88	Phase change material based advance solar thermal energy storage systems for building heating and cooling applications: A prospective research approachTyagi, VV (Tyagi, V. V.) [1] ; Chopra, K (Chopra, K.) [1] , [2] ; Kalidasan, B (Kalidasan, B.) [3] ; Chauhan, A (Chauhan, Aditya) [1] ; Stritih, U (Stritih, U.) [4] ; Anand, S (Anand, Sanjeev) [1] ; Pandey, AK (Pandey, A. K.) [5] ; Sari, A (Sari, Ahmet) [6] , [7] ; Kothari, R (Kothari, Rich)DOI10.1016/j.seta.2021.101318	2021	https://www.webofscience.com/wos	7.632	8.63
89	Ultra-long carbon nanotube-paraffin composites of record thermal conductivity and high phase change enthalpy among paraffin-based heat storage materialsKuziel, AW (Kuziel, Anna W.) [1] ; Dzido, G (Dzido, Grzegorz) [2] ; Turczyn, R (Turczyn, Roman) [3] ; Rafal, GJ (Rafal, G. Jedrysiak) [1] ; Kolanowska, A (Kolanowska, Anna) [1] ; Tracz, A (Tracz, Anna) [4] ; Zi, WJ (Zi, Wojciech) [5] ; Cyganiuk, A (Cyganiuk, Aleksandra) [5] ; Terzyk, AP (Terzyk, Artur P.) [5] ; Boncel, S (Boncel, Slawomir) DOI10.1016/j.est.2021.102396	2021	https://www.webofscience.com/wos	8.907	9.91
90	Thermal performance of PEG-MWCNTs composites as shape-stabilised phase change materials for thermal energy storageHarmen, Y (Harmen, Yasser) [1] , [2] ; Chhiti, Y (Chhiti, Younes) [1] , [2] ; Alaoui, FEM (Alaoui, Fatima Ezzahrae M'Hamdi) [2] , [3] ; Bentiss, F (Bentiss, Fouad) [4] , [5] ; Jama, C (Jama, Charafeddine) [5] ; Duquesne, S (Duquesne, Sophie) [5] ; Bensitel, M (Bensitel, Moham)DOI10.1080/1536383X.2021.1887146	2021	https://www.webofscience.com/wos	2.06	3.06
91	Comprehensive review of phase change material based latent heat thermal energy storage systemGadhve, P (Gadhve, Pitambar) [1] ; Pathan, F (Pathan, Firojkan) [2] ; Kore, S (Kore, Sandeep) [3] ; Prabhune, C (Prabhune, Chandrakant) [1]DOI10.1080/01430750.2021.1873848	2021	https://www.webofscience.com/wos	0	1.00
92	Thermal energy storage: An overview of papers published in Applied Energy 2009-2018Yan, J (Yan, J.) [1] , [2] ; Yang, X (Yang, X.) [3]DOI10.1016/j.apenergy.2020.116397	2021	https://www.webofscience.com/wos	11.446	12.45
93	Solar assisted thermal storage system for free heating applications in moderate climates: A case studyNikkerdar, F (Nikkerdar, F.) [1] ; Rahimi, M (Rahimi, M.) [2] ; Ranjbar, AA (Ranjbar, A. A.) [3] ; Pakrouh, R (Pakrouh, R.) [3] ; Bahrapoury, R (Bahrapoury, R.) [4]DOI10.1016/j.energy.2021.119781	2021	https://www.webofscience.com/wos	8.857	9.86
94	Thermal and energetic behaviour of solid-solid-liquid phase change materials storage unit: Experimental and numerical comparative study of the top, bottom and horizontal configurations Harmen, Y (Harmen, Yasser) [1] , [2] , [3] ; Chhiti, Y (Chhiti, Younes) [1] , [2] ; Alaoui, FEM (Alaoui, Fatima Ezzahrae M'Hamdi) [2] , [3] ; Bentiss, F (Bentiss, Fouad) [4] , [5] ; El Khouakhi, M (El Khouakhi, Mohamed) [2] ; Jama, C (Jama, Charafeddine) [5] ; Duquesne, S (Duquesne, Sophie) [5] ; Bensitel, M (Bensitel, Mohammed) [4] ; Deshayes, L (Deshayes, Laurent) [2]DOI10.1016/j.est.2020.102065	2021	https://www.webofscience.com/wos	8.907	9.91

95	Simultaneous charging and discharging performance for a latent thermal energy storage system with a microencapsulated phase change material By: Fang, Y.; Qu, Z. G.; Zhang, J. F.; et al. APPLIED ENERGY Volume: 275 Article Number: 115353 Published: OCT 1 2020	2020	https://www.sciencedirect.com/scie	9.746	10.75
96	Photo-to-thermal conversion and energy storage of lauric acid/expanded graphite composite phase change materials By: Yang, Li; Yuan, Yanping; Zhang, Nan; et al. INTERNATIONAL JOURNAL OF ENERGY RESEARCH Volume: 44 Issue: 11 Pages: 8555-8566 Published: SEP 2020 Early Access: JUN 2020	2020	https://onlinelibrary.wiley.com/doi/a	5.164	6.16
97	New view point on the effect of thermal conductivity on phase change materials based on novel concepts of relative depth of activation and time rate of activation: The case study on a top floor room By: Xu, Bin; Xie, Xing; Pei, Gang; et al. APPLIED ENERGY Volume: 266 Article Number: 114886 Published: MAY 15 2020	2020	https://www.sciencedirect.com/scie	9.746	10.75
98	Modeling Nearly Zero Energy Buildings for Sustainable Development in Rural Areas By: Khakian, Reza; Karimimoshaver, Mehrdad; Aram, Farshid; et al. ENERGIES Volume: 13 Issue: 10 Article Number: 2593 Published: MAY 2020	2020	https://www.mdpi.com/1996-1073/1	3.004	4.00
99	Incorporation of phase change material and carbon nanofibers into lightweight aggregate concrete for thermal energy regulation in buildings By: Ren, Miao; Liu, Yushi; Gao, Xiaojian ENERGY Volume: 197 Article Number: 117262 Published: APR 15 2020	2020	https://www.sciencedirect.com/scie	6.082	7.08
100	Phase change material thermal energy storage systems for cooling applications in buildings: A review By: Faraj, Khaireldin; Khaled, Mahmoud; Faraj, Jalal; et al. RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 119 Article Number: 109579 Published: MAR 2020	2020	https://www.sciencedirect.com/scie	14.982	15.98
101	Synthesis and Characterization of Disodium Hydrogen Phosphate Dodecahydrate-Lauric-Palmitic Acid Used for Indoor Energy Storage Floor Units By: Xu Qian; Akkurt, Nevzat; Zou Zhenwei; et al. JOURNAL OF THERMAL SCIENCE Volume: 29 Issue: 2 Pages: 477-485 Published: APR 2020 Early Access: FEB 2020	2020	https://link.springer.com/article/10.1	2.438	3.44
102	Low-cost carbon foam as a practical support for organic phase change materials in thermal management By: Maleki, Mahdi; Imani, Abolhassan; Ahmadi, Rouhollah; et al. APPLIED ENERGY Volume: 258 Article Number: 114108 Published: JAN 15 2020	2020	https://www.sciencedirect.com/scie	9.746	10.75
103	Storage efficiency of paraffin-LDPE-MWCNT phase change material for industrial building applications By: Harmen, Yasser; Chhiti, Yotmes; Alaoui, Fatima Ezzahrae M'Hamdi; et al. Conference: 5th International Conference on Renewable Energy for Developing Countries (REDEC) Location: ELECTR NETWORK Date: JUN 29-30, 2020 2020 5TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGIES FOR DEVELOPING COUNTRIES (REDEC) Book Series: International Conference on Renewable Energies for Developing Countries Published: 2020	2020	https://ieeexplore.ieee.org/documen	0	1.00
104	New solution method for latent energy storage and thermoeconomic optimization for an air conditioning system By: Akbari, A. D.; Talati, F.; Mahmoudi, S. M. S. INTERNATIONAL JOURNAL OF REFRIGERATION Volume: 109 Pages: 12-24 Published: JAN 2020	2020	https://www.sciencedirect.com/scie	3.629	4.63
105	Thermal characteristics and energy saving of charging/discharging processes of PCM in air free cooling with minimal temperature differences By: Nada, S. A.; Alshaer, W. G.; Saleh, R. M. ALEXANDRIA ENGINEERING JOURNAL Volume: 58 Issue: 4 Pages: 1175-1190 Published: DEC 2019	2019	https://www.sciencedirect.com/scie	2.46	3.46
106	Multi-objective optimization of energy performance of a building considering different configurations and types of PCM By: Markarian, Elin; Fazelpour, Farivar SOLAR ENERGY Volume: 191 Pages: 481-496 Published: OCT 2019	2019	https://www.sciencedirect.com/scie	4.608	5.61
107	Experimental study of charging a compact PCM energy storage device for transport application with dynamic exergy analysis By: Nie, Binjian; She, Xiaohui; Yu, Qinghua; et al. ENERGY CONVERSION AND MANAGEMENT Volume: 196 Pages: 536-544 Published: SEP 15 2019	2019	https://www.sciencedirect.com/scie	8.208	9.21
108	New Perspective on Performances and Limits of Solar Fresh Air Cooling in Different Climatic Conditions By: Abrudan, Ancuta C.; Pop, Octavian G.; Serban, Alexandru; et al. ENERGIES Volume: 12 Issue: 11 Article Number: 2113 Published: JUN 1 2019	2019	https://www.mdpi.com/1996-1073/1	2.702	3.70
109	Preparation and characterization of PMMA/TiO2 hybrid shell microencapsulated PCMs for thermal energy storage By: Li, Chaoen; Yu, Hang; Song, Yuan; et al. ENERGY Volume: 167 Pages: 1031-1039 Published: JAN 15 2019	2019	https://www.sciencedirect.com/scie	6.082	7.08

110	Modeling and Experimental Validation of the Thermal Behavior of PCM using DSC Input Data By: Pop, Octavian G.; Iuga, Cristina A.; Tutunaru, Lucian Fechete; et al. Conference: 3rd Joint International Conference on Energy Engineering and Smart Materials (ICEESM) / International Conference on Nanotechnology and Nanomaterials in Energy (ICNNE) Location: Milan, ITALY Date: JUN 22-24, 2018 3RD JOINT INTERNATIONAL CONFERENCE ON ENERGY ENGINEERING AND SMART MATERIALS (ICEESM-2018) AND INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY AND NANOMATERIALS IN ENERGY (ICNNE-2018) Book Series: AIP Conference Proceedings Volume: 2004 Article number: 020005-1 Published:	2018	https://aip.scitation.org/doi/10.1063	0	1.00
111	Sensitivity analysis for optimization of renewable-energy-based air-circulation-type temperature-control system By: Lee, Haksung; Ozaki, Akihito APPLIED ENERGY Volume: 230 Pages: 317-329 Published: NOV 15 2018	2018	http://apps.webofknowledge.com.a	8.426	9.43
112	Parametric study on the effect of using cold thermal storage energy of phase change material on the performance of air-conditioning unit By: Said, M. A.; Hassan, Hamdy APPLIED ENERGY Volume: 230 Pages: 1380-1402 Published: NOV 15 2018	2018	http://apps.webofknowledge.com.a	8.426	9.43
113	Thermal behavior of a translucent superinsulated latent heat energy storage wall in summertime By: Souayfane, Farah; Biwole, Pascal Henry; Fardoun, Farouk APPLIED ENERGY Volume: 217 Pages: 390-408 Published: MAY 1 2018	2018	http://apps.webofknowledge.com.a	8.426	9.43
114	Dynamic thermal modeling of buildings and application to a hospital By: Pop, Octavian G.; Abrudan, Ancuta C.; Dogeanu, Angel M.; et al. Conference: 21st IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR THETA) Location: Cluj Napoca, ROMANIA Date: MAY 24-26, 2018 Sponsor(s): Inst Elect & Elect Engineers; Inst Elect & Elect Engineers Comp Soc Test Technol Tech Council; Tech Univ Cluj Napoca, Dept Automat; IPA R&D Inst Automat Ctr Technol Transfer; Bosch; Arqes; Emerson; Baumann Automat; Primaria Consiliul Local; Centru Cultura Urbana Casino; Ministerul Cercetarii Inovarii; Casino Urban Culture Ctr Cluj; Cluj Napoca City Hall & City Council; Romanian Gov, Minist Res & Innovat; IPA R&D Inst Automat, Cluj Napoca Subsidiary; Tech Univ Cluj Napoca 2018 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR) Book Series: IEEE International Conference on Automation Quality and Testing Robotics Published: 2018	2018	http://apps.webofknowledge.com.a	0	1.00
114	Battery-Supercapacitor Energy Storage Systems for Electrical Vehicles: A Review, ENERGIES, Lemian, D and Bode, F, Aug 2022 15 (15) WOS:000839678300001 DOI:10.3390/en15155683				
115	Synthesis of nickel cobalt sulfide on Ni foam for improved electrochemical energy storage: Effect of binder-free reverse pulse potentiostatic electrodeposition and redox additive Maile, N.C., Shinde, S.K., Kim, D.-Y., Devarayapalli, K.C., Lee, D.S. 2023 Journal of Alloys and Compounds 967, 171845	2023	https://0710e93ro-y-https-www-sco	6.2	7.20
116	Hydrogel and carbon nanostructures based supercapacitor: Initial steps toward green supercapacitors, Pacheco, M., Lefort, B., Pacheco, J., Santana, A., Valdivia, R. 2023 Journal of Energy Storage 72, 108539	2023	https://0710e93ro-y-https-www-sco	9.4	10.40
117	Synergetic electrochemical performance of tungsten oxide/tungsten disulfide/MWCNTs for high-performance aqueous asymmetric supercapacitor devices Aftab, J; Mehmood, S; (...); Bhatti, AS Nov 25 2023 965 JOURNAL OF ALLOYS AND COMPOUNDS	2023	https://0710m8zla-y-https-www-wet	6.2	7.20
118	Facile synthesis of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ /MXene composite powders for high-performance asymmetric supercapacitors Ghaemi, SP; Masoudpanah, SM and Heidari, P Nov 20 2023 72 JOURNAL OF ENERGY STORAGE	2023	https://0710m8zla-y-https-www-wet	9.4	10.40
119	Tapping the supercapacitive properties of porous activated carbon from expired white chickpeas Samrin, AI; Babu, RB; (...); Mohandas, M Nov 1 2023 71 JOURNAL OF ENERGY STORAGE	2023	https://0710m8bvi-y-https-www-wet	9.4	10.40
120	Biomass-based supercapacitors: Lab to industry (Book Chapter) Shah, S.S., Aziz, M.A., Usman, M., (...), Ali, S., Alzahrani, A.S. 2023 Biomass-Based Supercapacitors: Design, Fabrication and Sustainability pp. 435-460	2023	https://0710e8dz7-y-https-www-sco	0	1.00
121	Artificial Neural Networks Based Power Management for a Battery/Supercapacitor and Integrated Photovoltaic Hybrid Storage System for Electric Vehicles Open Access Bourenane, H., Berkani, A., Negadi, K., Marignetti, F., Hebri, K. 2023 Journal Europeen des Systemes Automatises 56(1), pp. 139-151	2023	https://0710e8dz7-y-https-www-sco	0	1.00
122	Design of a Recommender System with Safe Driving Mode Based on State-of-Function Estimation in Electric Vehicle Drivetrains with Battery/Supercapacitor Hybrid Energy Storage System Open Access Naseri, F., Karimi, S., Farjah, E., Setoodeh, P. 2023 Designs 7(1), 25	2023	https://0710e8dz7-y-https-www-sco	0	1.00
123	Control and coordination of ultra-capacitor and SMES systems for transient power provision in electric vessels Hardan, F., Tricoli, P. 2023 2023 IEEE International Conference on Electrical Systems for Aircraft, Railway, Ship Propulsion and Road Vehicles and International Transportation Electrification Conference, ESARS-ITEC 2023	2023	https://0710e8dz7-y-https-www-sco	0	1.00
124	Adaptive Neural Fuzzy Inference System (ANFIS) in a Grid Connected-Fuel Cell-Electrolyser-Solar PV-Battery-Super Capacitor Energy Storage System Management Elabbassi, I., Elyanboiy, N., Khala, M., (...), Layti, M.B.M., Messaoudi, C. 2023 Lecture Notes in Networks and Systems 635 LNNS, pp. 138-143	2023	https://0710e8dz7-y-https-www-sco	0	1.00

125	Investigation of Benzene 1,4-Dicarboxylic Acid MOF Linker Encapped Zinc Phosphate @ rGO-Based Binder-Free Electrode for Hybrid Supercapacitor Applications Ravi, VK; Vickraman, P and Raja, TA Aug 2023 Jul 2023 (Early Access) 220 (15) PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	2023	https://0710m8bvi-y-https-www-wet	2	3.00
126	Synthesis of ZIF-67-derived CoS ₂ @graphitic carbon/reduced graphene oxide for supercapacitor application Reddy, PAK; Han, HYG; (...); Bae, S Sep 1 2023 Jul 2023 (Early Access) 471 CHEMICAL ENGINEERING JOURNAL	2023	https://0710m8bvi-y-https-www-wet	15.1	16.10
127	Facile synthesis of porous CuO/Cu ₂ O/Cu composite powders for hybrid supercapacitors Mamizadeh, M; Masoudpanah, SM; (...); Dabir, MP Jul 2023 63 JOURNAL OF ENERGY STORAGE	2023	https://0710m8bvi-y-https-www-wet	9.4	10.40
128	Role of Al ³⁺ and Cr ³⁺ Ions on Structural, Optical, Magnetic, and Impedance Properties of Al _x Cr _x Zn(0.4-y)Ni(0.6-x)Fe ₂ O ₄ Nanoparticles Rethi, NR; Johnson, J; (...); Sankaranarayanan, R May 2023 Jun 2023 (Early Access) 36 (5), pp.1443-1454 JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM	2023	https://0710m8bvi-y-https-www-wet	1.8	2.80
129	Supercapacitor Constant-Current and Constant-Power Charging and Discharging Comparison under Equal Boundary Conditions for DC Microgrid Application Stana, G; Voikans, J and Kroics, K May 18 2023 16 (10) ENERGIES	2023	https://0710m8bvi-y-https-www-wet	3.2	4.20
130	Review of Development Trend of Transportation Energy System and Energy Usages in China Considering Influences of Intelligent Technologies Liu, SB; He, K; (...); Hu, YY May 17 2023 16 (10) ENERGIES	2023	https://0710m8bvi-y-https-www-wet	3.2	4.20
131	An overview of deep eutectic solvents: Alternative for organic electrolytes, aqueous systems & ionic liquids for electrochemical energy storage Sharma, A; Sharma, R; (...); Singh, L Jul 2023 May 2023 (Early Access) 82, pp.592-626 JOURNAL OF ENERGY CHEMISTRY	2023	https://0710m8bvi-y-https-www-wet	13.1	14.10
132	VARTM-assisted high-performance solid-state structural supercapacitor device based on the synergistic effect of Ni(OH) ₂ -Co ₃ S ₄ nanocomposite for widened potential window and charge storage mechanism Shoeb, M; Mashkoor, F; (...); Jeong, C Jun 15 2023 May 2023 (Early Access) 466 CHEMICAL ENGINEERING JOURNAL	2023	https://0710m8bvi-y-https-www-wet	15.1	16.10
133	Effect of distinct organic ligands on hierarchical porous manganese-based MOFs for battery-supercapacitor hybrid Iqbal, MZ; Aziz, U; (...); Wabaidur, SM Aug 1 2023 May 2023 (Early Access) 162 MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2023	https://0710m8bvi-y-https-www-wet	4.1	5.10
134	Power Electronics Converters for On-Board Electric Power Systems Freitas, LCG; Simoes, MG and Praca, PP Apr 28 2023 16 (9) ENERGIES	2023	https://0710m8bvi-y-https-www-wet	3.2	4.20
135	Easy Synthesis of NiO-Mn ₂ O ₃ @Reduced Graphene Oxide Ternary Composite as Electrode Material for Supercapacitor Application Bejjanki, D and Puttapati, SK Jul 2023 Apr 2023 (Early Access) 52 (7), pp.4729-4737 JOURNAL OF ELECTRONIC MATERIALS	2023	https://0710m8bvi-y-https-www-wet	2.1	3.10
136	Investigation of performance and technical assessments of hybrid source electric vehicles under different locations and driving conditions Sidharthan, PV and Kashyap, Y Apr 2023 (Early Access) INTERNATIONAL JOURNAL OF GREEN ENERGY	2023	https://0710m8bvi-y-https-www-wet	3.3	4.30
137	Supercapacitor Energy Storages in Hybrid Power Supplies for Frequency-Controlled Electric Drives: Review of Topologies and Automatic Control Systems Vladimir, P and Iurii, P Apr 2023 16 (7) ENERGIES	2023	https://0710m8bvi-y-https-www-wet	3.2	4.20
138	Research and Optimization of Hybrid On-Board Energy Storage System of an Electric Locomotive for Quarry Rail Transport Goolak, S; Kondratieva, L; (...); Makaras, R Apr 2023 16 (7) ENERGIES	2023	https://0710m8bvi-y-https-www-wet	3.2	4.20
139	Aging of a Lithium-Metal/LFP Cell: Predictive Model and Experimental Validation Dessantis, D; Di Prima, P; (...); Santarelli, M Mar 2023 9 (3) BATTERIES-BASEL	2023	https://0710m8bvi-y-https-www-wet	4	5.00
140	Development of hybrid super-capacitor and lead-acid battery power storage systems Gu, GY; Lao, YL; (...); Du, P Feb 4 2023 18, pp.159-166 INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES	2023	https://0710m8bvi-y-https-www-wet	2.3	3.30
141	Lithium-ion battery smoothing power fluctuation strategy for DC microgrid Cheng, JJ and Zhou, ML Feb 4 2023 18, pp.802-808 INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES	2023	https://0710m8bvi-y-https-www-wet	2.3	3.30
142	Smart Grid Communication Networks for Electric Vehicles Empowering Distributed Energy Generation: Constraints, Challenges, and Recommendations Hasan, MK; Habib, AA; (...); Singh, D Feb 2023 16 (3) ENERGIES	2023	https://0710m8bvi-y-https-www-wet	3.2	4.20
143	Electrochemical energy storage and photoelectrochemical performance of Ni _{1-x} Zn _x Fe ₂ O ₄ nanoparticles Manohar, A; Vijayakanth, V; (...); Kim, KH Apr 2023 Jan 2023 (Early Access) 157 MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2023	https://0710m8bvi-y-https-www-wet	4.1	5.10
144	Towards a business model for second-life batteries – barriers, opportunities, uncertainties, and technologies, Carlos Antônio Rufino Júnior, Eleonora Riva Sanseverino, Pierluigi Gallo, Daniel Koch, Yash Kotak, Hans-Georg Schweiger, Hudson Zanin, Journal of Energy Chemistry, https://doi.org/10.1016/j.jechem.2022.12.019 , 2023	2023	https://www.sciencedirect.com/scie	13.1	14.10

145	Energy Storage Technologies for Modern Power Systems: A Detailed Analysis of Functionalities, Potentials, and Impacts Sahoo, S and Timmann, P 2023 11, pp.49689-49729 IEEE ACCESS	2023	https://0710m8bvi-y-https-www-wel	3.9	4.90
146	Power and Energy Optimization of Carbon Based Lithium-Ion Battery from Water Spinach (Ipomoea Aquatica) Santoso, B; Ammarullah, MI; (...); Bustan, MD 2023 24 (3), pp.213-223 JOURNAL OF ECOLOGICAL ENGINEERING	2023	https://0710m8bvi-y-https-www-wel	1.3	2.30
147	Effects of Oxygen-Containing Functional Groups on the Electrochemical Performance of Activated Carbon for EDLCs Kim, JH; Kim, SH; (...); Lee, HM Jan 2023 13 (2) NANOMATERIALS	2023	https://0710m8bvi-y-https-www-wel	5.3	6.30
148	Biomass-derived inherently doped multifunctional hierarchically porous carbon as an efficient electrode material for high-performance supercapacitors Chulliyote, R; Hareendrakrishnakumar, H; (...); Joseph, MG Aug 2023 Dec 2022 (Early Access) 30 (4), pp.1129-1141 JOURNAL OF POROUS MATERIALS	2023	https://0710m8bvi-y-https-www-wel	2.6	3.60
149	Facile synthesis of ultrathin Bi(OH)SO4·H2O nanosheets and battery-like electrode for symmetric supercapacitors Vattikuti, S.V.P., Zeng, J., Shim, J., Lee, D.S., Devarayapalli, K.C. 2023 Journal of Alloys and Compounds 936,168186	2023	https://www.sciencedirect.com/scie	6.2	7.20
150	FeS2/SRGO nanocomposite: Synthesis, characterization and comprehensive study of supercapacitor behavior in different electrolytes Hassanpoor, S (Hassanpoor, Shahed) [1]; Tamri, E (Tamri, Elham) DOI10.1016/j.jallcom.2022.167711 JOURNAL OF ALLOYS AND COMPOUNDS	2023	https://www.webofscience.com/wos	6.2	7.20
151	Green H2O2 activation of electrospun polyimide-based carbon nanofibers towards high-performance free-standing electrodes for supercapacitors Yan, B (Yan, Bing) [1]; Zheng, JJ (Zheng, Jiaojiao) [1]; Feng, L (Feng, Li) [1]; Zhang, Q (Zhang, Qian) [2]; Han, JQ (Han, Jingquan) [1]; Hou, HQ (Hou, Haoqing) [3]; Zhang, CM (Zhang, Chunmei) [4]; Ding, YC (Ding, Yichun) [5]; Jiang, SH (Jiang, Shaohua) [1]; He, SJ (He, Shuijian) [DOI10.1016/j.diamond.2022.109465 DIAMOND AND RELATED MATERIALS	2022	https://www.webofscience.com/wos	4.1	5.10
152	Modern Supercapacitors Technologies and Their Applicability in Mature Electrical Engineering Applications Subasinghage, K (Subasinghage, Kasun) [1]; Gunawardane, K (Gunawardane, Kosala) [2]; Padmawansa, N (Padmawansa, Nisitha) [2]; Kularatna, N (Kularatna, Nihal) [3]; Moradian, M (Moradian, Mehdi) [2 DOI10.3390/en15207752 ENERGIES	2022	https://www.webofscience.com/wos	3.2	4.20
153	Effect of Open-Window Gaps on the Thermal Environment inside Vehicles Exposed to Solar Radiation Ding, XX (Ding, Xiaoxiao) [1]; Zhang, WR (Zhang, Weirong) [1]; Yang, Z (Yang, Zhen) [1]; Wang, JJ (Wang, Jiajun) [1]; Liu, LT (Liu, Lingtao) [1]; Gao, DL (Gao, Dalong) [1]; Guo, DD (Guo, Dongdong) [2], [3]; Xiong, JY (Xiong, Jianyin) DOI10.3390/en15176411 ENERGIES	2022	https://www.webofscience.com/wos	3.2	4.20
154	Biomass-derived inherently doped multifunctional hierarchically porous carbon as an efficient electrode material for high-performance supercapacitors Chulliyote, R., Hareendrakrishnakumar, H., Kunhi Kannan, S., Joseph, M.G. 2022 Journal of Porous Materials	2022	https://link.springer.com/article/10.1	2.6	3.60
154	Comparison of turbulence models in simulating jet flow from a cross-shaped orifice By: Meslem, Amina; Bode, Florin; Croitoru, Cristiana; et al. EUROPEAN JOURNAL OF MECHANICS B-FLUIDS Volume: 44 Pages: 100-120 Published: MAR-APR 2011 WOS:000330499900010 https://doi.org/10.1016/j.euromechflu.2013.11.006				
155	The effects of spacing to diameter ratio on mixing characteristics of circular and elliptical twin jets Kumar, CN and Sinhamahapatra, KP Feb 2023 (Early Access) PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING	2023	https://0710m8bvi-y-https-www-wel	1.1	2.10
156	Investigation of high-efficiency compact jet impingement cooling modules for high-power applications Kaood, A (Kaood, Amr) [1]; Elhagali, IO (Elhagali, Ibrahim O.) [2]; Hassan, MA (Hassan, Muhammed A.) [3] DOI10.1016/j.ijthermalsci.2022.108006 INTERNATIONAL JOURNAL OF THERMAL SCIENCES	2023	https://www.webofscience.com/wos	4.779	5.78
157	Reconstruction of Motion Images from Single Two-Dimensional Motion-Blurred Computed Tomographic Image of Aortic Valves Using In Silico Deep Learning: Proof of Concept Long, YW (Long, Yawu) [1]; Sakuma, I (Sakuma, Ichiro) [1]; Tomii, N (Tomii, Naoki) [1 DOI10.3390/app12189044 APPLIED SCIENCES-BASEL	2022	https://www.webofscience.com/wos	2.838	3.84
158	Turbulent droplet breakage in a von Karman flow cell Ravichandar, K (Ravichandar, Krishnamurthy) [1]; Vigil, RD (Vigil, R. Dennis) [2]; Fox, RO (Fox, Rodney O.) [2]; Nachtigall, S (Nachtigall, Stephanie) [3]; Daiss, A (Daiss, Andreas) [3]; Vonka, M (Vonka, Michal) [3]; Olsen, MG (Olsen, Michael G.) [1] DOI10.1063/5.0096395 PHYSICS OF FLUIDS	2022	https://www.webofscience.com/wos	4.98	5.98
159	A computational fluid dynamic study of the filling of a gaseous hydrogen tank under two contrasted scenarios onin, R (Gonin, Remi) [1], [2]; Horgue, P (Horgue, Pierre) [1]; Guibert, R (Guibert, Romain) [1]; Fabre, D (Fabre, David) [1]; Bourguet, R (Bourguet, Remi) [1]; Ammouri, F (Ammouri, Fouad) [2]; Vyazmina, E (Vyazmina, Elena) DOI10.1016/j.ijhydene.2022.03.260 INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2022	https://www.webofscience.com/wos	7.139	8.14

160	Numerical study of modeling methods and evaluation indexes for jet fansXue, Y (Xue, Yu) [1] ; Li, XM (Li, Xiaomeng) [1] ; Wang, ZC (Wang, Zhichao) [2] , [3] ; Wang, HL (Wang, Honglei DOI10.1016/j.buildenv.2021.108284BUILDING AND ENVIRONMENT	2021	https://www.webofscience.com/wos	7.093	8.09
161	Computational analysis of wall shear stress patterns on calcified and bicuspid aortic valves: Focus on radial and coaptation patterns Open Access Salman, H.E., Saltik, L., Yalcin, H.C.2021Fluids 6(8),287	2021	https://www.scopus-com.am.e-nfor	0	1.00
162	Fluid Flow Characteristics of Healthy and Calcified Aortic Valves Using Three-Dimensional Lagrangian Coherent Structures AnalysisMutlu, O (Mutlu, Onur) [1] ; Salman, HE (Salman, Huseyin Enes) [2] ; Yalcin, HC (Yalcin, Huseyin Cagatay) [1] , [3] ; Olcay, AB (Olcay, Ali Bahadir) [4 DOI10.3390/fluids6060203 Fluids	2021	https://www.webofscience.com/wos	0	1.00
163	Improving cabin thermal environment of parked vehicles under direct sunlight using a daytime radiative cooling coverLv, YY (Lv, Yinyan) [1] ; Huang, AC (Huang, Anchong) [1] ; Yang, J (Yang, Jian) [1] ; Xu, JT (Xu, Jingtao) [1] ; Yang, RG (Yang, Ronggui) [2]DOI10.1016/j.applthermaleng.2021.116776APPLIED THERMAL ENGINEERING	2021	https://www.webofscience.com/wos	6.465	7.47
164	Particle Image Velocimetry Measurements of Turbulent Jets Issuing From Twin Elliptic Nozzles With Various OrientationsMorris, EM (Morris, Ella Marie) [1] ; Biswas, N (Biswas, Neelakash) [2] ; Aleyasin, SS (Aleyasin, Seyed Sobhan) [1] ; Tachie, MF (Tachie, Mark Francis) [1]DOI10.1115/1.4048684 JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME	2021	https://www.webofscience.com/wos	1.998	3.00
165	Thaker, Abhijeet H.; Buwa, Vivek V. POWDER TECHNOLOGY Volume: 361 Pages: 474-489 Published: FEB 1 2020	2020	https://www.sciencedirect.com/scie	5.134	6.13
166	Modelling 2-D Supersonic Jet from a Convergent-Divergent Nozzle using k-ε Realizable Turbulence Model Open Access Kumar, B., Srivastava, S.2019Journal of Physics: Conference Series 1240(1),012019	2019	https://www.scopus-com.am.e-nfor	0	1.00
167	PIV measurement and CFD simulations of an air terminal device with a dynamically adapting geometry By: Szczepanik-Scislo, Nina; Antonowicz, Arkadiusz; Scislo, Lukasz SN APPLIED SCIENCES Volume: 1 Issue: 4 Article Number: 370 Published: APR 2019	2019	https://link-springer-com.am.e-nfor	0	1.00
168	Suggestions on investigations of lobed jet mixing By: Sheng, Zhi-qiang; Yao, Yu; Xu, Yi-hua AEROSPACE SCIENCE AND TECHNOLOGY Volume: 86 Pages: 415-429 Published: MAR 2019	2019	https://www.sciencedirect.com/scie	4.499	5.50
169	Multiphysics Modelling: Materials, Components, and Systems (Book)Peksen, M.2018Multiphysics Modeling: Materials, Components, and Systems pp. 1-259	2018	https://www.scopus-com.am.e-nfor	0	1.00
170	Experimental and numerical investigation of a turbulent lobed diffuser jet: application to residential comfort By: Bennis, Abderazak; Loukarfi, Larbi; Khelil, Ali; et al.MECHANICS & INDUSTRY Volume: 19 Issue: 1 Article Number: 104 Published: AUG 31 2018	2018	https://www.mechanics-industry.org	0.659	1.66
171	PRESSURE LOSSES FOR TURBULENT FLOW THROUGH BENDS IN SERIES By: Petersen, Blake T.; Gorman, John M.; Sparrow, Eph M. INTERNATIONAL JOURNAL OF FLUID MECHANICS RESEARCH Volume: 45 Issue: 2 Pages: 105-128 Published: 2018	2018	http://www.dl.begellhouse.com/jour	0	1.00
172	Jet mixing of lobed nozzles with spoilers located at lobe peaks By: Sheng, Zhi-qiang APPLIED THERMAL ENGINEERING Volume: 119 Pages: 165-175 Published: JUN 5 2017	2017	https://www.sciencedirect.com/scie	3.771	4.77
173	Numerical study of the aerodynamics of sound sources in a bass-reflex port By: Garcia-Alcaide, V. M.; Palleja-Cabre, S.; Castilla, R.; et al. ENGINEERING APPLICATIONS OF COMPUTATIONAL FLUID MECHANICS Volume: 11 Issue: 1 Pages: 210-224 Published: 2017	2017	https://www.tandfonline.com/doi/ful	1.918	2.92
174	Numerical Simulation of Isothermal Cruciform Jet Flow By: Kannan, B. T.; Senthilkumar, Sundararaj Conference: 5th International and 41st National Conference on Fluid Mechanics and Fluid Power Location: Indian Inst Technol Kanpur, Kanpur, INDIA Date: DEC 12-14, 2014 Sponsor(s): ISRO; DST; DRDO; DAE; Coolflo; GE Global Res; TESSCORN; Laser Science Serv; TSI Instruments FLUID MECHANICS AND FLUID POWER - CONTEMPORARY RESEARCH Book Series: Lecture Notes in Mechanical Engineering Pages: 595-604 Published: 2017	2017	https://link.springer.com/chapter/10	0	1.00
175	Evaluation of the efficacy of turbulence models for swirling flows and the effect of turbulence intensity on heat transfer By: Gorman, John M.; Sparrow, Ephraim M.; Abraham, John P.; et al. NUMERICAL HEAT TRANSFER PART B-FUNDAMENTALS Volume: 70 Issue: 6 Pages: 485-502 Published: 2016	2016	https://www.tandfonline.com/doi/ab	1.775	2.78
176	CFD prediction with LES for psycho acoustic relevance in ventilation By: Hodor, Victor; Birlu, Dan; Nascutiu, Lucian; et al. Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engr, Fac Bldg Serv Engr EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 252-259 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00
177	Auto radiators - Study regarding air flow along the channels By: Plesa, Angela; Giurgiu, Oana; Banyai, Daniel Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engr, Fac Bldg Serv Engr EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 390-398 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00

178	Factors which influence the thermal comfort inside of vehicles By: Simion, Mihaela; Socaciu, Lavinia; Unguresan, Paula Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv Engn EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 472-480 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00
179	A computational parametric study on the development of confluent round jet arrays By: Svensson, Klas; Rohdin, Patrik; Moshfegh, Bahram EUROPEAN JOURNAL OF MECHANICS B-FLUIDS Volume: 53 Pages: 129-147 Published: SEP-OCT 2015	2015	https://www.sciencedirect.com/scie	1.984	2.98
180	MODELLING THE AIR-FUEL MIXTURE IN AN ATMOSPHERIC BURNER By: Sa, Ana Carolina; Teixeira, Senhorinha; Teixeira, Jose C. Conference: 1st Pan-American Congress on Computational Mechanics (PANACM) / XI Argentine Congress on Computational Mechanics (MECOM) Location: Buenos Aires, ARGENTINA Date: APR 27-29, 2015 PROCEEDINGS OF THE 1ST PAN-AMERICAN CONGRESS ON COMPUTATIONAL MECHANICS AND XI ARGENTINE CONGRESS ON COMPUTATIONAL MECHANICS Pages: 717-728 Published: 2015	2015	https://congress.cimne.com/PANAC	0	1.00
181	Study of the Aerodynamic Structure around an Obstacle with Inclined Roof By: Driss, Slah; Driss, Zied; Kammoun, Imen Kallel Conference: 1st Conference on Multiphysics Modelling and Simulation for Systems Design (MMSSD) Location: Sousse, TUNISIA Date: DEC 17-19, 2014 MULTIPHYSICS MODELLING AND SIMULATION FOR SYSTEMS DESIGN AND MONITORING Book Series: Applied Condition Monitoring Volume: 2 Pages: 131-140 Published: 2015	2015	https://link.springer.com/chapter/10	0	1.00
182	Numerical Assessment of Turbulent flow Downstream of Stenosed Aortic Valve with flexible leaflets using Fluid-Solid Interactions Approach By: Amindari, Armin; Yalcin, Huseyin Cagatay Conference: 14th IEEE International Conference on BioInformatics and BioEngineering (BIBE) Location: Boca Raton, FL Date: NOV 10-12, 2014 Sponsor(s): IEEE; IEEE Comp Soc; Biol and Artificial Intelligence Soc; Florida Atlantic Univ; ABI Fdn; Modernizing Med; LexisNexis 2014 IEEE INTERNATIONAL CONFERENCE ON BIOINFORMATICS AND BIOENGINEERING (BIBE) Book Series: International Conference on Bioinformatics and Bioengineering Pages: 315-319 Published: 2014	2015	https://ieeexplore.ieee.org/docume	0	1.00
182	Thermodynamic investigation on an innovative unglazed transpired solar collector By: Croitoru, Cristiana V.; Nastase, Ilinca; Bode, Florin I.; et al. SOLAR ENERGY Volume: 131 Pages: 21-29 Published: JUN 2009 WOS:000375811400002 DOI10.1016/j.solener.2016.02.029				
183	Thermodynamic investigation on an innovative unglazed transpired solar collector Croitoru, CV; Nastase, I; (...); Meslem, A Jun 2016 131 , pp.21-29, Solar Energy	2023	https://0710m93rc-y-https-www-we	6.7	7.70
184	Flat Unglazed Transpired Solar Collector: Performance Probability Prediction Approach Using Monte Carlo Simulation Technique Open Access Parimita Panigrahi, S., Kumar Maharana, S., Rajashekaraiyah, T., (...), Saleel, C.A., Abbas, M.2022Energies 15(23),8843	2022	https://www.mdpi.com/1996-1073/1	3.2	4.20
185	Techno-economic analysis of an exhaust air heat pump system assisted by unglazed transpired solar collectors in a Swedish residential cluster Saini, P (Saini, Puneet) [1] , [2] ; Paolo, B (Paolo, Bonato) [3] ; Fiedler, F (Fiedler, Frank) [1] ; Widen, J (Widen, Joakim) [2] ; Zhang, XX (Zhang, Xingxing) [1 DOI10.1016/j.solener.2021.06.026 SOLAR ENERGY	2021	https://www.webofscience.com/wos	7.188	8.19
186	Performance of double pass unglazed transpired collectors with energy storage in phase change materials during days with different radiative regimes Hachim, DM (Hachim, Dhafer Manea) [1] ; Abed, QA (Abed, Qahtan A.) [2] ; Badescu, V (Badescu, Viorel) [3 DOI10.1016/j.seta.2021.101309 SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS	2021	https://www.webofscience.com/wos	7.632	8.63
187	Nocturnal passive cooling by transpired solar collectors Bokor, B (Bokor, Balazs) [1] ; Akhan, H (Akhan, Hacer) [2] ; Eryener, D (Eryener, Dogan) [2] ; Horvath, M (Horvath, Miklos) [1]DOI10.1016/j.applthermaleng.2021.116650 APPLIED THERMAL ENGINEERING	2021	https://www.webofscience.com/wos	6.465	7.47
188	Experimental investigation of transpired solar collectors with/without phase change materials By: DOI10.1016/j.solener.2020.11.035 SOLAR ENERGYBejan, AS (Bejan, A. S.) [1] ; Teodosiu, C (Teodosiu, C.) [1] ; Croitoru, CV (Croitoru, C. V.) [1] ; Catalina, T (Catalina, T.) [1] ; Nastase, I (Nastase, I.) [1]	2021	https://www.webofscience.com/wos	7.188	8.19
189	Mesh independency study for an unglazed transpired solar collectorOpen Access Berville, C., Tetang Fokone, A., Sima, C.I., Croitoru, C.V.2021IOP Conference Series: Earth and Environmental Science 664(1),012059	2021	https://www-scopus-com.am.e-nfor	0	1.00
190	A review on recent advancements in performance enhancement techniques for low-temperature solar collectors By: Gorjian, Shiva; Ebadi, Hossein; Calise, Francesco; et al. ENERGY CONVERSION AND MANAGEMENT Volume: 222 Article Number: 113246 Published: OCT 15 2020	2020	https://www.sciencedirect.com/scie	9.709	10.71
191	Experimental and numerical study of the airflow and thermal characteristic of non-uniform transpired solar collector By: Wang, Dengjia; Gao, Meng; Gao, Qian; et al. BUILDING SIMULATION Volume: 13 Issue: 6 Pages: 1305-1319 Published: DEC 2020	2020	https://link.springer.com/article/10.1	3.751	4.75
192	EXPERIMENTAL STUDY OF OPERATING INDICATORS OF A THERMALACTIC COVERING PANEL By: Dikarev, K.; Kuzmenko, O.; Petrenko, V.; et al. SCIENCE AND INNOVATION Volume: 16 Issue: 2 Pages: 57-65 Published:	2020	https://www-scopus-com.am.e-nfor	0	1.00

193	Correlation of temperature, velocity and perforation location in a flat unglazed transpired solar collector (Utc) due to air flowPanigrahi, S.P., Maharana, S.K.2020JP Journal of Heat and Mass Transfer 19(1), pp. 1-18	2020	https://www-scopus-com.am.e-nfor	0	1.00
194	Utilization of hybrid nanofluids in solar energy applications: A reviewAhmadi, M.H., Ghazvini, M., Sadeghzadeh, M., Alhuyi Nazari, M., Ghalandari, M.2019Nano-Structures and Nano-Objects 20,100386	2019	https://www-scopus-com.am.e-nfor	0	1.00
195	Numerical simulation of flow over a flat unglazed transpired solar collector (UTC) and it's performance prediction Open Access Panigrahi, S.P., Maharana, S.K.2019International Journal of Recent Technology and Engineering 8(3), pp. 1479-1483	2019	https://www-scopus-com.am.e-nfor	0	1.00
196	Regularizing the operation of unglazed transpired collectors by incorporating phase change materials By: Badescu, Viorel; Ciocanea, Adrian; Budea, Sanda; et al. ENERGY CONVERSION AND MANAGEMENT Volume: 184 Pages: 681-708 Published: MAR 15 2019	2019	https://www.sciencedirect.com/scie	8.208	9.21
197	Experimental study on heating characteristics and parameter optimization of transpired solar collectors By: Wang, Dengjia; Gao, Qian; Liu, Yanfeng; et al. APPLIED ENERGY Volume: 238 Pages: 534-546 Published: MAR 15 2019	2019	https://www.sciencedirect.com/scie	8.848	9.85
198	Application of Nanofluids in Thermal Performance Enhancement of Parabolic Trough Solar Collector: State-of-the-Art By: Olia, Hamed; Torabi, Mohammadamin; Bahiraei, Mehdi; et al. APPLIED SCIENCES-BASEL Volume: 9 Issue: 3 Article Number: 463 Published: FEB 1 2019\	2019	https://www.mdpi.com/2076-3417/9	2.474	3.47
199	A systematic review on parametric dependencies of transpired solar collector performance By: Bake, Maitiniyazi; Shukla, Ashish; Liu, Shuli; et al. INTERNATIONAL JOURNAL OF ENERGY RESEARCH Volume: 43 Issue: 1 Pages: 86-112 Published: JAN 2019	2019	https://onlinelibrary.wiley.com/doi/p	3.741	4.74
200	Comparison of Thermal Performances between Low Porosity Perforate Plate and Flat Plate Solar Air Collector By: Chan, Hoy-Yen; Vinson, A. A.; Baljit, S. S. S.; et al. Conference: International Conference on Sustainable Development and Green Technology (SDGT) Location: Nanhua Univ, Chiayi, TAIWAN Date: NOV 24-26, 2017 INTERNATIONAL CONFERENCE ON SUSTAINABLE DEVELOPMENT AND GREEN TECHNOLOGY (SDGT 2017) Book Series: Journal of Physics Conference Series Volume: 989 Article Number: UNSP 012001 Published: 2018	2018	https://iopscience.iop.org/article/10	0	1.00
201	Experimental evaluation of an unglazed solar air collector for building space heating in Iraq By: Al-damook, Amer; Khalil, Wissam Hashim RENEWABLE ENERGY Volume: 112 Pages: 498-509 Published: NOV 2017	2017	https://www.sciencedirect.com/scie	4.9	5.90
202	A state of art review on methodologies for heat transfer and energy flow characteristics of the active building envelopes By: Wang, Yang; Shukla, Ashish; Liu, Shuli RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 78 Pages: 1102-1116 Published: OCT 2017	2017	https://www.sciencedirect.com/scie	9.184	10.18
203	Experimental study of the effect of slit width and slit spacing on the thermal performance of slit-glazed collectors By: Mousavi, Seyed Mahdi Taheri; Egeloglu, Fuat ADVANCES IN MECHANICAL ENGINEERING Volume: 9 Issue: 9 Article Number: 1687814017728477 Published: SEP 7 2017	2017	https://journals.sagepub.com/doi/fu	0.848	1.85
204	A simplified method for evaluating thermal performance of unglazed transpired solar collectors under steady state By: Wang, Xiaoliang; Lei, Bo; Bi, Haiquan; et al. APPLIED THERMAL ENGINEERING Volume: 117 Pages: 185-192 Published: MAY 5 2017	2017	https://www.sciencedirect.com/scie	3.771	4.77
205	Analysis of drying of melon in a solar-heat recovery assisted infrared dryer By: Aktas, Mustafa; Sevik, Seyfi; Amini, Ali; et al. SOLAR ENERGY Volume: 137 Pages: 500-515 Published: NOV 1 2016	2016	https://www.sciencedirect.com/scie	4.374	5.37
205	Flow dynamics and mass transfer in impinging circular jet at low Reynolds number. Comparison of convergent and orifice nozzles By: Meslem, Amina; Sobolik, Vaclav; Bode, Florin; et al.INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 67 Pages: 25-45 Published: DEC 2011 WOS:000327562100003 DOI10.1016/j.ijheatmasstransfer.2013.07.096				
206	Analysis of fluid-solid-thermal coupling characteristics of axial-symmetric vectoring exhaust nozzleYao, SB (Yao, Si-bo) [1] , [2] ; Luo, Z (Luo, Zhong) [1] , [2] , [3] ; Wei, K (Wei, Kai) [1] , [2] ; Sun, YH (Sun, Yong-Hang) [4] ; Xu, CY (Xu, Chun-yang) DOI10.1177/09544062221097911 PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE	2022	https://www.webofscience.com/wos	2.2	3.20
207	Unsteady analysis of jet impingement under vibration conditions Yang, Y (Yang, Yue) [1] ; Mao, JK (Mao, Junkui) [1] ; Wang, FL (Wang, Feilong) [1] ; Han, XS (Han, Xingsi) [1 DOI10.1016/j.cja.2021.09.0041000-9361CHINESE JOURNAL OF AERONAUTICS	2022	https://www.webofscience.com/wos	5.7	6.70
208	Tomographic Particle Image Velocimetry and Dynamic Mode Decomposition (DMD) in a Rectangular Impinging Jet: Vortex Dynamics and Acoustic Generation Assoum, HH (Assoum, Hassan H.) [1] ; Hamdi, J (Hamdi, Jana) [2] ; Alkheir, M (Alkheir, Marwan) [3] ; Meraim, KA (Abed Meraim, Kamel) [3] ; Sakout, A (Sakout, Anas) [3] ; Obeid, B (Obeid, Bachar) [4] ; El Hassan, M (El Hassan, Mouhammad) [5 FLUIDS DOI10.3390/fluids6120429	2021	https://www.webofscience.com/wos	0	1.00

209	Experimental Investigation of Multi-Jet Air Impingement in Various Conditions and Analysis using Desirability Based Response Surface Methodology Chandramohan, P (Chandramohan, P.) [1] ; Murugesan, SN (Murugesan, S. N.) [2] ; Arivazhagan, S (Arivazhagan, S. DOI10.47176/jafm.14.01.31643 JOURNAL OF APPLIED FLUID MECHANICS	2021	https://www.wbofscience.com/wos	1.152	2.15
210	Impingement heat transfer to the synthetic jet issuing from a nozzle with an oscillating cross section By: Travniecek, Zdenek; Antosova, Zuzana INTERNATIONAL JOURNAL OF THERMAL SCIENCES Volume: 153 Article Number: 106349 Published: JUL 2020	2020	https://www.sciencedirect.com/scie	3.744	4.74
211	Vortical structures and behaviour of an elliptic jet impinging upon a convex cylinder By: Long, J.; New, T. H. EXPERIMENTAL THERMAL AND FLUID SCIENCE Volume: 100 Pages: 292-310 Published: JAN 2019	2019	https://www.sciencedirect.com/scie	3.444	4.44
212	Inverse optimization design of an impinging co-axial jet in order to achieve heat flux uniformity over the target object By: Bijarchi, Mohamad Ali; Kowsary, Farshad APPLIED THERMAL ENGINEERING Volume: 132 Pages: 128-139 Published: MAR 5 2018	2018	https://www.sciencedirect.com/scie	4.026	5.03
213	Model Reduction for Flow Analysis and Control By: Rowley, Clarence W.; Dawson, Scott T. M. ANNUAL REVIEW OF FLUID MECHANICS, VOL 49 Book Series: Annual Review of Fluid Mechanics Volume: 49 Pages: 387-417 Published: 2017	2017	https://www.annualreviews.org/doi/	14.814	15.81
214	High-order direct numerical simulations of a turbulent round impinging jet onto a rotating heated disk in a highly confined cavity By: Oguic, R.; Poncet, S.; Viazzo, S. INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW Volume: 61 Pages: 366-378 Part: B Published: OCT 2016	2016	https://www.sciencedirect.com/scie	2.103	3.10
215	Passive control of wall shear stress and mass transfer generated by submerged lobed impinging jet By: Sodjavi, Kodjovi; Montagne, Brice; Meslem, Amina; et al. HEAT AND MASS TRANSFER Volume: 52 Issue: 5 Pages: 925-936 Published: MAY 2016	2016	https://link.springer.com/article/10.1	1.494	2.49
216	The effect of nozzle geometry on local convective heat transfer to unconfined impinging air jets By: Trinh, Xuan Thao; Fenot, Matthieu; Dorignac, Eva EXPERIMENTAL THERMAL AND FLUID SCIENCE Volume: 70 Pages: 1-16 Published: JAN 2016	2016	https://www.sciencedirect.com/scie	3.204	4.20
217	PIV and electrodiffusion diagnostics of flow field, wall shear stress and mass transfer beneath three round submerged impinging jets By: Sodjavi, Kodjovi; Montagne, Brice; Braganca, Pierre; et al. EXPERIMENTAL THERMAL AND FLUID SCIENCE Volume: 70 Pages: 417-436 Published: JAN 2016	2016	https://www.sciencedirect.com/scie	3.204	4.20
218	Mass transfer and shear rate on a wall normal to an impinging circular jet By: Kristiawan, Magdalena; Sodjavi, Kodjovi; Montagne, Brice; et al. CHEMICAL ENGINEERING SCIENCE Volume: 132 Pages: 32-45 Published: AUG 18 2015	2015	https://www.sciencedirect.com/scie	3.306	4.31
219	An experimental study on particle resuspension in a room with impinging jet ventilation By: Zuo, Bin; Zhong, Ke; Kang, Yanming BUILDING AND ENVIRONMENT Volume: 89 Pages: 48-58 Part: 1 Published: JUL 2015	2015	https://www.sciencedirect.com/scie	4.539	5.54
220	Impingement heat/mass transfer to hybrid synthetic jets and other reversible pulsating jets By: Travniecek, Z.; Vit, T. INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 85 Pages: 473-487 Published: JUN 2015	2015	https://www.sciencedirect.com/scie	3.891	4.89
221	An experimental study of a turbulent jet impinging on a flat surface By: Yao, Shiyong; Guo, Yong; Jiang, Nan; et al. INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 83 Pages: 820-832 Published: APR 2015	2015	https://www.sciencedirect.com/scie	3.891	4.89
222	MODELLING THE AIR-FUEL MIXTURE IN AN ATMOSPHERIC BURNER By: Sa, Ana Carolina; Teixeira, Senhorinha; Teixeira, Jose C. Conference: 1st Pan-American Congress on Computational Mechanics (PANACM) / XI Argentine Congress on Computational Mechanics (MECOM) Location: Buenos Aires, ARGENTINA Date: APR 27-29, 2015 PROCEEDINGS OF THE 1ST PAN-AMERICAN CONGRESS ON COMPUTATIONAL MECHANICS AND XI ARGENTINE CONGRESS ON COMPUTATIONAL MECHANICS Pages: 717-728 Published: 2015	2015	https://congress.cimne.com/PANAC	0	1.00
223	Effect of impingement surface roughness on the noise from impinging jets By: Dhamanekar, Abhijit; Srinivasan, K. PHYSICS OF FLUIDS Volume: 26 Issue: 3 Article Number: 036101 Published: MAR 2014	2014	https://aip.scitation.org/doi/abs/10.1	2.279	3.28
223	On the possibility of CFD modeling of the indoor environment in a vehicle By: Danca, Paul; Bode, Florin; Nastase, Ilinca; et al. Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO) Location: Bucharest, ROMANIA Date: OCT 26-28, 2016 Sponsor(s): Tech Univ Civil Engn; Romanian Acad SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT, EENVIRO 2016 Book Series: Energy Procedia Volume: 112 Pages: 656-663 Published: 2017 WOS:000404848300081 DOI10.1016/j.egypro.2017.03.1133				
224	Effect of Cabin Insulation on the Heating Performance in EVs at Low Temperatures Ramesh Babu, A., Sebben, S., Bark, T. 2023 SAE Technical Papers	2023	https://0710e8dz7-y-https-www-sco	0	1.00
225	The analysis and optimization of thermal sensation of train drivers under occupational thermal exposure Yang, ZY; Zhou, WJ; (...); Peng, Y Jun 9 2023 11 FRONTIERS IN PUBLIC HEALTH	2023	https://0710m8bvi-y-https-www-wet	5.2	6.20
226	On the application of statistical turbulence models to the simulation of airflow inside a car cabin Djeddou, M; Mehel, A; (...); Chevrier, P Feb 2023 35 (2 - PHYSICS OF FLUIDS	2023	https://0710m8bvi-y-https-www-wet	4.6	5.60

227	A review of human thermal comfort model in predicting human-environment interaction in non-uniform environmental conditions Yau, YH (Yau, Yat Huang) [1], [2], [3]; Toh, HS (Toh, Hui Sin) [1], [2]; Chew, BT (Chew, Bee Teng) [1], [2], [3]; Ghazali, NNN (Ghazali, Nik Nazri Nik) [1] DOI10.1007/s10973-022-11585-0 JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	2022	https://www.webofscience.com/wos	4.4	5.40
228	A numerical evaluation of a novel recovery fresh air heat pump concept for a generic electric bus Afrasiabian, E (Afrasiabian, Ehsan) [1]; Douglas, R (Douglas, Roy) [1]; Geron, M (Geron, Marco) [1]; Cunningham, G (Cunningham, Gareth) [2] DOI10.1016/j.applthermaleng.2022.118181APPLIED THERMAL ENGINEERING	2022	https://www.webofscience.com/wos	6.4	7.40
229	Thermal Management of Electrified Vehicles-A Review Previati, G (Previati, Giorgio) [1]; Mastinu, G (Mastinu, Giampiero) [1]; Gobbi, M (Gobbi, Massimiliano) [1] DOI10.3390/en15041326 ENERGIES	2022	https://www.webofscience.com/wos	3.2	4.20
230	Experimental Study on the Thermal Environment Inside a Vehicle Cabin with Innovative Air DiffusersNastase, I., Danca, P.A.2021Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www.scopus-com.am.e-nfor	0	1.00
231	Thermal Comfort Optimization in an Electric Vehicle Jose, SS (Jose, Sherin Sam) [1]; Chidambaram, RK (Chidambaram, Ramesh Kumar) [1] DOI10.18280/ijht.390634 INTERNATIONAL JOURNAL OF HEAT AND TECHNOLOGY	2021	https://www.webofscience.com/wos	0	1.00
232	Numerical and experimental study of the International Space Station crew quarters ventilation Georgescu, MR (Georgescu, Matei Razvan) [1], [2]; Meslem, A (Meslem, Amina) [1]; Nastase, I (Nastase, Ilinca) [2]; Sandu, M (Sandu, Mihnea) [2] DOI10.1016/j.job.2021.102714JOURNAL OF BUILDING ENGINEERING	2021	https://www.webofscience.com/wos	7.144	8.14
233	Dynamic modelling and performance prediction of a recovery fresh air heat pump for a generic bus Open Access Afrasiabian, E., Douglas, R., Best, R.20202020 15th International Conference on Ecological Vehicles and Renewable Energies, EVER 2020 9243005	2020	https://www.scopus-com.am.e-nfor	0	1.00
234	Analysis on the Microenvironment and Human Thermal Comfort of the Driver Position in the Passenger Compartment [乘员舱驾驶员位置微环境及人体热舒适分析]Yang, Z., Xu, X., Zhao, L., Zheng, Z., Lin, Z.2020Tongji Daxue Xuebao/Journal of Tongji University 48(5), pp. 733-742	2020	https://www.scopus-com.am.e-nfor	0	1.00
235	A Novel Methodology for Evaluating the Impact of Energy Efficiency Measures on the Cabin Thermal Comfort of Electric Vehicles By: Basciotti, Daniele; Dvorak, Dominik; Gellai, Imre ENERGIES Volume: 13 Issue: 15 Article Number: 3872 Published: AUG 2020	2020	https://www.mdpi.com/1996-1073/1	3.004	4.00
236	Thermal Comfort in the Passenger Compartment Using a 3-D Numerical Analysis and Comparison with Fanger's Comfort Models By: Khattoon, Saboor; Kim, Man-Hoe ENERGIES Volume: 13 Issue: 3 Article Number: 690 Published: FEB 2020	2020	https://www.mdpi.com/1996-1073/1	3.004	4.00
237	Numerical study of the air distribution in the Crew Quarters on board of the International Space Station By: Berville, Charles; Georgescu, Matei-Razvan; Nastase, Ilinca Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO) Location: Cluj Napoca, ROMANIA Date: OCT 09-13, 2018 SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT (EENVIRO 2018) Book Series: E3S Web of Conferences Volume: 85 Article Number: 02015 Published:	2019	https://www.e3s-conferences.org/ai	0	1.00
238	CFD modelling of the airflow in the driver's cabin of a modern rail vehicle Open AccessPalmowska, A., Walczyk, K.2019Proceedings of the World Congress on Mechanical, Chemical, and Material Engineering127	2019	https://www.scopus-com.am.e-nfor	0	1.00
239	A Study on Possibility of CFD Simulation on Air Simulation in Minor Operation Theatre By: Rahman, M. N. Y.; Razlan, Z. M.; Izham, M.; et al. Conference: International Conference on Advanced Manufacturing and Industry Applications (ICAMIA) Location: Kuching, MALAYSIA Date: AUG 15-17, 2018 Sponsor(s): Malaysian Soc Instrument & Control Technol; Univ Malaysia Perlis, Sch Mechatron Engn, Mech Engn Programme; UniMAP Sdn. Bhd, Technopreneur INTERNATIONAL CONFERENCE ON ADVANCED MANUFACTURING AND INDUSTRY APPLICATIONS Book Series: IOP Conference Series-Materials Science and Engineering Volume: 429 Article Number: 012071	2018	https://iopscience-iop-org.am.e-nfor	0	1.00
240	A Test of Possibility on Relative Humidity Function in Minor Operation Theatre By: Rahman, M. N. Y.; Razlan, Z. M.; Izham, M.; et al. Conference: International Conference on Advanced Manufacturing and Industry Applications (ICAMIA) Location: Kuching, MALAYSIA Date: AUG 15-17, 2018 Sponsor(s): Malaysian Soc Instrument & Control Technol; Univ Malaysia Perlis, Sch Mechatron Engn, Mech Engn Programme; UniMAP Sdn. Bhd, Technopreneur INTERNATIONAL CONFERENCE ON ADVANCED MANUFACTURING AND INDUSTRY APPLICATIONS Book Series: IOP Conference Series-Materials Science and Engineering Volume: 429 Article Number: 012089 Published:	2018	https://iopscience-iop-org.am.e-nfor	0	1.00
240	Experimental investigation of an enhanced transpired air solar collector with embodied phase changing materials Croitoru, C; Bode, F; (...); Bejan, AS Feb 15 2022 336 JOURNAL OF CLEANER PRODUCTION WOS:000772936200007 DOI10.1016/j.jclepro.2022.130398				
241	Evaluating the environ-economic and exergy-energy impacts of drying carrots in passive and active mode solar dryers Gilago, MC; Mugi, VR and Chandramohan, VP Aug 1 2023 Jun 2023 (Early Access) 43 THERMAL SCIENCE AND ENGINEERING PROGRESS	2023	https://0710m8bvi-y-https-www-wet	4.8	5.80

242	Design and thermal performance evaluation of a new solar air collector with comprehensive consideration of five factors of phase-change materials and copper foam combinationHu, W., Nickolaevich, A.V., Huang, Y., Hou, C.2023Applied Energy 344,121268	2023	https://0710e8dz7-y-https-www-sco	11.2	12.20
243	Design optimization integrating energy, economic, and environmental evaluation of a hybrid solar heating system for detached buildings in rural ChinaWang, G., Feng, G., Li, X., Li, H., Wang, T.2023Journal of Building Engineering 73,106692	2023	https://0710e8dz7-y-https-www-sco	6.4	7.40
244	A double-glazed solar air-phase change material collector for nocturnal heating: Model development and sensitivity analysisYang, L., Zhang, N., Yuan, Y., (...), Panchabikesan, K., Sun, Q.2023Energy and Buildings 289,113070	2023	https://0710e8dz7-y-https-www-sco	6.7	7.70
245	Experimental and transient CFD analysis of parallel-flow solar air collectors with paraffin-filled recyclable aluminum cans as latent heat energy storage unit Tuncer, AD; Amini, A and Khanlari, A Oct 15 2023 Jun 2023 (Early Access) 70 JOURNAL OF ENERGY STORAGE	2023	https://0710m8bvi-y-https-www-wel	9.4	10.40
246	Low-Temperature Applications of Phase Change Materials for Energy Storage: A Descriptive Review Hinojosa, JF; Moreno, SF and Maytorena, VM Apr 2023 16 (7) ENERGIES	2023	https://0710m8bvi-y-https-www-wel	3.2	4.20
247	Energy and exergy analysis of an unglazed transpired collector connected to a dryer with a porous plate and phase change material Jahromi, MSB; Kalantar, V; (...); Iranmanesh, M Apr 2023 Jan 2023 (Early Access) 60 JOURNAL OF ENERGY STORAGE	2023	https://0710m8bvi-y-https-www-wel	9.4	10.40
248	Contribution to the modelling of air flows in a conical inlet drying chamber Mamoudou, A; Fokone, AT; (...); Kuitche, A 8th Conference of the Sustainable-Solutions-for-Energy-and-Environment (EENVIRO) 2023 8TH CONFERENCE OF THE SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT EENVIRO 2022 1185	2023	https://0710m8bvi-y-https-www-wel	0	1.00
249	Thermal and optical performance analysis of triangular solar air collectors and regional applicability in ChinaJiang, Y., Zhang, H., Zhao, R., (...), Wu, Z., Wei, S.2023Solar Energy 249, pp. 288-300	2023	https://www-sciencedirect-com.am	6.7	7.70
250	Flat Unglazed Transpired Solar Collector: Performance Probability Prediction Approach Using Monte Carlo Simulation Technique pen Access Parimita Panigrahi, S., Kumar Maharana, S., Rajashekaraiah, T., (...), Saleel, C.A., Abbas, M.2022Energies 15(23),8843	2022	https://www.mdpi.com/1996-1073/1	3.2	4.20
251	Developing a Grey Forecasting Model for the Air Flowing across the Parallel Plate Duct Dhaundiyal, A (Dhaundiyal, Alok DOI10.3390/en1515562 ENERGIES	2022	https://www.webofscience.com/wos	3.2	4.20
252	Energy-exergy and environ-economic (4E) analysis while drying ivy gourd in a passive indirect solar dryer without and with energy storage system and results comparison Gilago, MC (Gilago, Mulatu C.) [1] , [2] ; Mugi, VR (Mugi, Vishnuvardhan Reddy) [1] ; Chandramohan, VP (Chandramohan, V. P.) DOI10.1016/j.solener.2022.05.027 SOLAR ENERGY	2022	https://www.webofscience.com/wos	6.7	7.70
252	Experimental and numerical study of supercapacitors module with air-cooling Voicu, I; Rizk, R; (...); Gualous, H Aug 2019 159 APPLIED THERMAL ENGINEERING WOS:000475999100066 DOI10.1016/j.applthermaleng.2019.113903				
253	A Review on Thermal Behaviors and Thermal Management Systems for Supercapacitors Zhou, W; Liu, Z; (...); Zhang, X Feb 2023 9 (2) BATTERIES-BASEL	2023	https://0710m8bzbv-y-https-www-wel	4	5.00
254	A comprehensive review of supercapacitors: Properties, electrodes, electrolytes and thermal management systems based on phase change materials He, XY (He, Xiyue) [1] ; Zhang, XL (Zhang, Xuelai) DOI10.1016/j.est.2022.106023 JOURNAL OF ENERGY STORAGE	2022	https://0710m8bzbv-y-https-www-wel	9.4	10.40
255	Energy and entropy generation analysis in a supercapacitor for different operating conditions Li, HW (Li, Haowen) [1] ; Yang, HC (Yang, Huachao) [1] ; Yan, JH (Yan, Jianhua) [1] ; Cen, KF (Cen, Kefa) [1] ; Ostrikov, K (Ostrikov, Kostya (Ken)) [1] , [2] , [3] ; Bo, Z (Bo, Zheng) DOI10.1016/j.energy.2022.124932 ENERGY	2022	https://www.webofscience.com/wos	9	10.00
256	Entropy generation analysis in supercapacitor modules based on a three-dimensional coupled thermal modelLi, H., Yang, H., Xu, C., (...), Ostrikov, K.K., Bo, Z.2022Energy 244,123218	2022	https://www-sciencedirect-com.am	9	10.00
257	Thermal Analysis of Stacked Type Supercapacitors for Different Material Structures Open Access Sivakumar, S., Thenmozhi, G., Ali, K.S.S., Kishore, M.S.2022AIP Conference Proceedings 2446,180047	2022	https://www-scopus-com.am.e-nfor	0	1.00
258	Thermal analysis of electrical double layer capacitors: Present status and remaining challenges Bothe, A (Bothe, A.) [1] ; Balducci, A (Balducci, A.) [1] DOI10.1016/j.jpowsour.2022.232090 JOURNAL OF POWER SOURCES	2022	https://www.webofscience.com/wos	9.2	10.20
259	Progress and challenges on the thermal management of electrochemical energy conversion and storage technologies: Fuel cells, electrolyzers, and supercapacitors Rashidi, S (Rashidi, Saman) [2] ; Karimi, N (Karimi, Nader) [3] , [4] ; Sunden, B (Sunden, Bengt) [5] ; Kim, KC (Kim, Kyung Chun) [6] ; Olabi, AG (Olabi, Abdul Ghani) [7] ; Mahian, O (Mahian, Omid) [1 DOI10.1016/j.pecs.2021.100966 PROGRESS IN ENERGY AND COMBUSTION SCIENCE	2022	https://www.webofscience.com/wos	29.5	30.50

260	Combinatorial atomistic-to-AI prediction and experimental validation of heating effects in 350 F supercapacitor modules Bo, Z (Bo, Zheng) [1] , [2] ; Li, HW (Li, Haowen) [1] , [2] ; Yang, HC (Yang, Huachao) [1] , [2] ; Li, CW (Li, Changwen) [1] , [2] ; Wu, SH (Wu, Shenghao) [1] , [2] ; Xu, CX (Xu, Chenxuan) [1] , [2] ; Xiong, GP (Xiong, Guoping) [3] ; Mariotti, D (Mariotti, Davide) [4] ; Yan, JH (Yan, Jianhua) [1] , [2] ; Cen, KF (Cen, Kefa) DOI10.1016/j.ijheatmasstransfer.2021.121075 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	2021	https://www.webofscience.com/wos	5.431	6.43
261	Algorithm with temperature-dependent maximum charging current of a supercapacitor module in a tram regenerative braking system Zupan, I (Zupan, Ivan) [1] ; Sunde, V (Sunde, Viktor) [1] ; Ban, Z (Ban, Zeljko) [1] ; Kruselj, D (Kruselj, Dubravko) [2] DOI10.1016/j.est.2021.102378 JOURNAL OF ENERGY STORAGE	2021	https://www.webofscience.com/wos	8.907	9.91
262	Thermal performance of lithium titanate oxide anode based battery module under high discharge rates Open Access Liu, Z., Gao, Y., Chen, H., (...), Sun, Y., Yan, P.2021World Electric Vehicle Journal 12(3),158	2021	https://www.scopus-com.am.e-nfor	0	1.00
262	The Influence of the Inlet Angle of Vehicle Air Diffuser on the Thermal Comfort of Passengers By: Bode, Florin; Nastase, Ilinca; Danca, Paul; et al. Conference: 8th International Conference on ENERGY and ENVIRONMENT (CIEM) Location: Bucharest, ROMANIA Date: OCT 19-20, 2017 Pages: 442-446 Published: 2017, WOS:000427610300094				
263	More intelligent and efficient thermal environment management: A hybrid model for occupant-centric thermal comfort monitoring in vehicle cabins He, X., Zhang, X., Zhang, R., (...), Guo, F., Wang, Y. Building and Environment 228,109866	2023	https://www.sciencedirect-com.am	7.4	8.40
264	Modeling for vehicle cabin temperature prediction based on graph spatial-temporal neural network in air conditioning system He, XL (He, Xinglei) [1] ; Wang, YC (Wang, Yichun) [1] ; Guo, F (Guo, Fen) [1] ; Zhang, XH (Zhang, Xiaohan) [1] ; Duan, XH (Duan, Xiuhui) [1] ; Pei, JC (Pei, Jinchen) [1] DOI10.1016/j.enbuild.2022.112229 ENERGY AND BUILDINGS	2022	https://www.webofscience.com/wos	6.7	7.70
265	Advanced Sliding Mode Control of Heating and Ventilation Unit in a Light Rail Vehicle Shah, A (Shah, Awais) [1] ; Huang, DQ (Huang, Deqing) [1] ; Huang, TP (Huang, Tianpeng) [1] ; Qin, N (Qin, Na) DOI10.24846/v30i3y202111 STUDIES IN INFORMATICS AND CONTROL	2021	https://www.webofscience.com/wos	1.826	2.83
266	Robust Estimation of Thermal Sensation for Vehicle Occupants Using Seat-belt-type Sensor and Thermal Camera Yoneda, A (Yoneda, Aki) [1] ; Shikii, S (Shikii, Shin-ichi) [1] ; Nosaka, KI (Nosaka, Ken-ichiro) [1] ; Yoshioka, M (Yoshioka, Mototaka) [1] ; Kubo, H (Kubo, Hiroko) [2] DOI10.1109/ITSC48978.2021.9564715 2021 IEEE INTELLIGENT TRANSPORTATION SYSTEMS CONFERENCE (ITSC)	2021	https://www.webofscience.com/wos	0	1.00
267	Experimental Study on the Thermal Environment Inside a Vehicle Cabin with Innovative Air Diffusers Nastase, I., Danca, P.A.2021Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www.scopus-com.am.e-nfor	0	1.00
268	Present State and Future Of Environmental Control Systems in Space Constantinide, J (Constantinide, John) [1] ; Najafi, H (Najafi, Hamidreza) [ASHRAE JOURNAL	2020	https://www.webofscience.com/wos	0.418	1.42
269	Energy optimal control of thermal comfort in trams By: Hofstadter, Raphael N.; Amaya, Jorge; Kozek, Martin APPLIED THERMAL ENGINEERING Volume: 143 Pages: 812-821 Published: OCT 2018	2018	http://apps.webofknowledge.com.a	3.771	4.77
269	Impinging cross-shaped submerged jet on a flat plate: a comparison of plane and hemispherical orifice nozzles By: Sodjavi, Kodjovi; Montagne, Brice; Braganca, Pierre; et al. MECCANICA Volume: 50 Issue: 12 Pages: 2927-2947 Published: DEC 2012 WOS:000365188800005 DOI10.1007/s11012-015-0181-5				
270	A new calculation formula to describe the dynamic pressure of water jet peening with elliptical nozzle for high-efficiency treatment Zheng, HX (Zheng, Hong-Xiang) [1] ; Luo, Y (Luo, Yun) [1] ; Zhang, BZ (Zhang, Bao-Zhu) [1] ; Jiang, WC (Jiang, Wen-Chun) [1] , [2] ; Tu, ST (Tu, Shan-Tung) [3] DOI10.1177/09544062211058608 PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE	2022	https://www.webofscience.com/wos	2	3.00
271	Configuration of the lobed nozzle in an ejector mixer for extreme mixing efficiency Sheng, ZQ (Sheng, Zhi-qiang) [1] , [3] ; Zhang, L (Zhang, Lan) [1] ; Dan, Y (Dan, Yu) [1] ; Wang, YY (Wang, You-yuan) [2] DOI10.1016/j.ijheatmasstransfer.2021.122102 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	2022	https://www.webofscience.com/wos	5.2	6.20
272	Opportunities in Jet-Impingement Cooling for Gas-Turbine Engines Dutta, S (Dutta, Sandip) [1] ; Singh, P (Singh, Prashant) [2] DOI10.3390/en14206587 ENERGIES	2021	https://www.webofscience.com/wos	3.2	4.20
273	Impingement Heat Transfer Innovations and Enhancements: A Discussion on Selected Geometrical Features Dutta, S., Singh, P.2021Proceedings of the ASME Turbo Expo 5B-2021,V05BT15A011	2021	https://www.scopus-com.am.e-nfor	0	1.00
274	Impinging Performance of High-Pressure Water Jets Emitting from Different Nozzle Orifice Shapes By: Huang, Fei; Mi, Jianyu; Li, Dan; et al. GEOFLUIDS Volume: 2020 Article Number: 8831544 Published: AUG 14 2020	2020	https://www.hindawi.com/journals/g	2.176	3.18
275	Vortical structures and behaviour of an elliptic jet impinging upon a convex cylinder By: Long, J.; New, T. H. EXPERIMENTAL THERMAL AND FLUID SCIENCE Volume: 100 Pages: 292-310 Published: JAN 2019	2019	https://www.sciencedirect.com/scie	3.444	4.44

276	Heat Transfer of Impinging Jet Arrays on a Ribbed Surface By: Liu, Fangyuan; Mao, Junkui; Han, Xingsi; et al. JOURNAL OF THERMOPHYSICS AND HEAT TRANSFER Volume: 32 Issue: 3 Pages: 669-679 Published: JUL 2018	2018	https://arc.aiaa.org/doi/abs/10.2514	1.051	2.05
277	Flow field features of fractal impinging jets at short nozzle to plate distances By: Cafiero, Gioacchino; Greco, Carlo Salvatore; Astarita, Tommaso; et al. EXPERIMENTAL THERMAL AND FLUID SCIENCE Volume: 78 Pages: 334-344 Published: NOV 2016	2016	https://www.sciencedirect.com/scie	2.83	3.83
277	Flow and wall shear rate analysis for a cruciform jet impacting on a plate at short distance By: Bode, Florin; Meslem, Amina; Patrascu, Claudiu; et al. PROGRESS IN COMPUTATIONAL FLUID DYNAMICS Volume: 20 Issue: 3 Pages: 169-185 Published: 2020 WOS:000551901900004 DOI10.1504/PCFD.2020.107276				
278	Experimental and numerical study of the flow dynamics and thermal behavior inside a car cabin: Innovative air diffusers and human body plumes interactions Danca, P (Danca, Paul) [1] , [2] ; Jamin, A (Jamin, Amaury) [1] , [3] ; Nastase, I (Nastase, Ilinca) [1] ; Janssens, B (Janssens, Bart) [3] ; Bosschaerts, W (Bosschaerts, Walter) [3] ; Cosoiu, C (Cosoiu, Costin) [4] DOI10.1016/j.egy.2022.07.133 ENERGY REPORTS	2022	https://www.webofscience.com/wos	5.2	6.20
279	Mesh independency study for an unglazed transpired solar collector Open Access Berville, C., Tetang Fokone, A., Sima, C.I., Croitoru, C.V.2021IOP Conference Series: Earth and Environmental Science 664(1),012059	2021	https://0710e8dz7-y-https-www-sco	0	1.00
280	Preliminary results - Numerical Simulations for Heat Recovery System from WastewaterDanca, P.A., Albayati, A., Ivanov, M., Terziev, A., Mijorsk, S.2021Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www.scopus-com.am.e-nfor	0	1.00
281	Accumulation and spatial distribution of CO2 in the astronaut's crew quarters on the International Space StationBy: Georgescu, Matei Razvan; Meslem, Amina; Nastase, IlincaBUILDING AND ENVIRONMENT Volume: 185 Article Number: 107278 Published: NOV 2020	2020	https://www.sciencedirect.com/scie	6.456	7.46
281	Optimization of a Lobed Perforated Panel Diffuser - A Numerical Study of Orifice Arrangement By: Amina, Meslem; Nastase, Ilinca; Bode, Florin; et al. INTERNATIONAL JOURNAL OF VENTILATION Volume: 11 Issue: 3 Pages: 255-270 Published: DEC 2012 WOS: 000316641100004				
282	Present State and Future Of Environmental Control Systems in Space By: Constantinide, John; Najafi, Hamidreza ASHRAE JOURNAL Volume: 62 Issue: 7 Pages: 12-16 Published: JUL 2020	2020	https://www.ashrae.org/technical-re	0.221	1.22
283	Experimental Study for the integration of an Innovative Air Distribution System in Operating Rooms By: Nastase, Ilinca; Croitoru, Cristiana; Dan, Mircea; et al. Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO) Location: Bucharest, ROMANIA Date: OCT 26-28, 2016 Sponsor(s): Tech Univ Civil Engn; Romanian Acad SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT, EENVIRO 2016 Book Series: Energy Procedia Volume: 112 Pages: 613-620 Published: 2017	2017	https://www.sciencedirect.com/scie	0	1.00
284	CFD prediction with LES for psycho acoustic relevance in ventilation By: Hodor, Victor; Birlu, Dan; Nascutiu, Lucian; et al. Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv Engn EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 252-259 Published:	2016	https://www.sciencedirect.com/scie	0	1.00
285	Auto radiators - Study regarding air flow along the channels By: Plesa, Angela; Giurgiu, Oana; Banyai, Daniel Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv Engn EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 390-398 Published:	2016	https://www.sciencedirect.com/scie	0	1.00
286	Factors which influence the thermal comfort inside of vehicles By: Simion, Mihaela; Socaciu, Lavinia; Unguresan, Paula Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv Engn EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 472-480 Published:	2016	https://www.sciencedirect.com/scie	0	1.00
286	Experimental and numerical study on the thermal plumes of a standing and lying human in an operating room Tacutu, L; Bode, F; (...); Dogeanu, A Jan 2 2022 SCIENCE AND TECHNOLOGY FOR THE BUILT ENVIRONMENT WOS: 000685335100001 DOI 10.1080/23744731.2021.1963133				
287	Virus-laden droplet nuclei in vortical structures associated with recirculation zones in indoor environments: A possible airborne transmission of SARS-CoV-2 Open Access Martínez-Espinosa, E., Carvajal-Mariscal, I.2023Environmental Advances 12,100376	2023	https://0710e8dz7-y-https-www-sco	0	1.00
288	Benchmarking indoor headroom heights of residential buildings based on ASHRAE Standard 55 Tajuddeen, I and Masoud, S Jul 2023 INTELLIGENT BUILDINGS INTERNATIONAL	2023	https://0710m8bzy-y-https-www-we	2.3	3.30
289	Enhancing respiratory comfort with fan respirators: Computational analysis of carbon dioxide reduction, temperature regulation, and humidity control Salati, H; Warfield-McAlpine, P; (...); Inthavong, K May 2023 35 (5) PHYSICS OF FLUIDS	2023	https://0710m8bzy-y-https-www-we	4.6	5.60

290	Evaluation of CFD-predicted thermal comfort uncertainties based on a seated thermal manikin test case Zasimova, MA; Podmarkova, AD; (...); Marinova, AA 8th Conference of the Sustainable-Solutions-for-Energy-and-Environment (EENVIRO) 2023 8TH CONFERENCE OF THE SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT EENVIRO 2022 1185	2023	https://0710m8bzv-y-https-www-we	0	1.00
291	Effect of thermal manikin shape on thermal comfort parameters prediction uncertainties: a numerical study Zasimova, MA; Stepasheva, ED and Ivanov, NG 8th Conference of the Sustainable-Solutions-for-Energy-and-Environment (EENVIRO) 2023 8TH CONFERENCE OF THE SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT EENVIRO 2022 1185	2023	https://0710m8bzv-y-https-www-we	0	1.00
292	Thermal analysis of a 3D printed thermal manikin inside an infant incubator Hannouch, A (Hannouch, Aziza) [1] ; Habchi, C (Habchi, Charbel) [2] , [3] ; Metni, N (Metni, Najib) [2] ; Lemenand, T (Lemenand, Thierry) INTERNATIONAL JOURNAL OF THERMAL SCIENCES DOI10.1016/j.ijthermalsci.2022.107826	2023	https://www.webofscience.com/wos	4.5	5.50
292	Numerical study for open-channel flow over rows of hemispheres By: Iatan, Elena; Iliescu, Marius; Bode, Florin; et al. Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Book Series: Energy Procedia Volume: 85 Pages: 260-265 Published: 2016 WOS:000377911100033 DOI10.1016/j.egypro.2015.12.242				
293	Numerical Investigation of the Three-Dimensional Flow around a Surface-Mounted Rib and the Onset of Unsteadiness Laskos, VN; Kotsopoulos, T; (...); Fragos, VP Jun 2023 11 (12) MATHEMATICS	2023	https://0710m8bzv-y-https-www-we	2.4	3.40
294	Pressure Energy Diffusion Rates in the Wall-Wake Region of Immobile Solid Sphere in Open Channel Flows-Numerical Simulation and Experimental Study Datta, A (Datta, Akash) [1] ; Das, R (Das, Ratul) [1 DOI10.1134/S0097807822030022 WATER RESOURCES	2022	https://www.webofscience.com/wos	1	2.00
295	Improving the efficiency of energy recovery from wastewater by using a double heat exchanger to protect the environment Open Access Albaiyati, M.S.A., Danca, P.A., Neagu, A., Sandu, M.2021IOP Conference Series: Earth and Environmental Science 664(1),012063	2021	https://www-scopus-com.am.e-nfor	0	1.00
296	Preliminary results - Numerical Simulations for Heat Recovery System from Wastewater Danca, P.A., Albayati, A., Ivanov, M., Terziev, A., Mijorsk, S.2021Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www-scopus-com.am.e-nfor	0	1.00
297	Research on the influence of geometry on nonlinear flow in constructed rough fractures by lattice Boltzmann simulation By: Tian, Xu; Deng, Yinger; Jing, Dang; et al. ARABIAN JOURNAL OF GEOSCIENCES Volume: 13 Issue: 2 Published: JAN 9 2020	2020	https://link.springer.com/article/10.1	1.827	2.83
298	Solutions for increasing the quality of hydro-technical building elements obtained by numerical simulation By: Fodorean, Alexandru; Cureu, Adrian; Giurgiu, Oana; et al. Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO) Location: Cluj Napoca, ROMANIA Date: OCT 09-13, 2018 SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT (EENVIRO 2018) Book Series: E3S Web of Conferences Volume: 85 Article Number: 02011 Published: 2019	2018	https://www.e3s-conferences.org/ar	0	1.00
299	Sewer chamber design under critical conditions using computational fluid dynamics (CFD) By: Tsuchida, Tyler; Irvin, Joshua Lelemia; Tang, Siufung; et al. DESALINATION AND WATER TREATMENT Volume: 108 Pages: 14 Published: MAR 2018	2018	https://www.deswater.com/DWT_a	1.234	2.23
299	Personalized Ventilation as a Possible Strategy for Reducing Airborne Infectious Disease Transmission on Commercial Aircraft, Paul DANCA, Costin Ioan COȘOIU, Ilinca NASTASE, Florin BODE and Matei Razvan GEORGESCU, Applied Sciences 12, no. 4, 2088; https://doi.org/10.3390/app12041826, ISSN: 2076-3417, 2022				
300	Effect of Air Inlet Spacing on Air Distribution and Ventilation Performance of Stratum Ventilation Using Multiple Parallel Jets Jiang, YH; Ma, JZ and Cheng, Y Apr 2023 13 (7) APPLIED SCIENCES-BASEL	2023	https://0710m8c1h-y-https-www-we	2.7	3.70
301	Urban Transport Vehicles Equipped with HVAC Based on Ceiling-Mounted Air Distribution Systems Conceicao, E; Gomes, J; (...); Awbi, H 6th Conference on Sustainable Urban Mobility (CSUM) - Smart Energy for Smart Transport 2023 SMART ENERGY FOR SMART TRANSPORT, CSUM2022 , pp.582-592	2023	https://0710m8c1h-y-https-www-we	0	1.00
301	Personalized ventilation solutions for reducing CO2 levels in the crew quarters of the International Space Station Georgescu, MR; Meslem, A; (...); Bode, F Oct 15 2021 Jul 2021 (Early Access) BUILDING AND ENVIRONMENT WOS:000691764400001 DOI10.1016/j.buildenv.2021.108150				
302	Surgery in the Next Space Missions Pantalone, D Jul 2023 13 (7) LIFE-BASEL	2023	https://0710m8c1h-y-https-www-we	3.2	4.20
303	Visualization of physical-field structural evolution: Characteristic curve based on the non-equilibrium potential differences in an air-conditioning environment Qv, DH; Duan, XJ; (...); Yao, Y May 1 2023 66 JOURNAL OF BUILDING ENGINEERING	2023	https://0710m8c1h-y-https-www-we	6.4	7.40
304	Supercomputer Modelling of Human Respiration Using Virtual Thermal Manikin Under Test Conditions Open Access Podmarkova, A.D., Zasimova, M.A., Ivanov, N.G., Ris, V.V., Abramov, A.G.2022Lobachevskii Journal of Mathematics 43(10), pp. 2877-2886	2022	https://0710e8dz7-y-https-www-sco	0	1.00
305	An Improved Air Distribution System for Infection Reduction in Economy-Class Passenger Airplanes Abdelnasser, B., Ismaiel, A., Abdelmaksoud, W., Fouad, M.2022International Review of Aerospace Engineering 15(4), pp. 224-231	2022	https://www-scopus-com.am.e-nfor	0	1.00

306	Prediction of exhaled carbon dioxide concentration using a computer-simulated person that included alveolar gas exchange Kuga, K (Kuga, Kazuki) [1] ; Sakamoto, M (Sakamoto, Mitsuharu) [2] ; Wargocki, P (Wargocki, Pawel) [3] ; Ito, K (Ito, Kazuhide) DOI10.1111/ina.13079 INDOOR AIR	2022	https://www.webofscience.com/wos	5.8	6.80
307	Ventilation Strategies for Mitigation of Infection Disease Transmission in an Indoor Environment: A Case Study in Office Ren, C (Ren, Chen) [1] ; Zhu, HC (Zhu, Hao-Cheng) [1] ; Cao, SJ (Cao, Shi-Jie) DOI10.3390/buildings12020180 BUILDINGS	2022	https://www.webofscience.com/wos	3.8	4.80
307	Experimental investigation of thermal vehicular environment during the summer season Danca, P; Bode, F; (...); Batali, L Jan 2 2022 Apr 2021 (Early Access) SCIENCE AND TECHNOLOGY FOR THE BUILT ENVIRONMENT WOS:000643844600001 DOI10.1080/23744731.2021.1911157				
308	In-vehicle heat-induced impact on the system usability of on-board computer interfaces considering the optimization of scheme presentation order Open Access Yang, H., Liu, J., Guo, F., Chen, N.2023Urban Climate 47,101387	2023	https://www.sciencedirect-com.am	6.4	7.40
309	Experimental and numerical study of the flow dynamics and thermal behavior inside a car cabin: Innovative air diffusers and human body plumes interactions Danca, P (Danca, Paul) [1] , [2] ; Jamin, A (Jamin, Amaury) [1] , [3] ; Nastase, I (Nastase, Ilinca) [1] ; Janssens, B (Janssens, Bart) [3] ; Bosschaerts, W (Bosschaerts, Walter) [3] ; Cosoiu, C (Cosoiu, Costin) [4] DOI10.1016/j.egy.2022.07.133 ENERGY REPORTS	2022	https://www.webofscience.com/wos	5.2	6.20
310	Drivers' visual interaction performance of on-board computer under different heat conditions: Based on ELM and entropy weight Yang, H (Yang, Hao) [1] ; Zhao, Y (Zhao, Ying) [2] ; Zhao, YL (Zhao, Yangliu) [1] ; Chen, N (Chen, Na) DOI10.1016/j.scs.2022.103835 SUSTAINABLE CITIES AND SOCIETY	2022	https://www.webofscience.com/wos	11.7	12.70
311	Thermal Comfort in the Modern Car-Experimental Analysis and Verification of the Fanger ModelKrawczyk, N., Dębska, L., Białek, A.2021International Review of Mechanical Engineering 15(12), pp. 609-614	2021	https://www.scopus-com.am.e-nfor	0	1.00
311	Water Flow Structure Optimization Between the Screenings and Grit Removals in a Wastewater Plant By: Sandu, Mihnea; Bode, Florin; Danca, Paul; et al. 8TH INTERNATIONAL CONFERENCE ON ENERGY AND ENVIRONMENT (CIEM) Pages: 101-104 Published: 2017 WOS:000427610300022				
312	Gradient-Boosted Decision Tree with used Slime Mould Algorithm (SMA) for wastewater treatment systems Chauhan, J; Rani, RM; (...); Improving the efficiency of energy recovery from wastewater by using a double heat exchanger to protect the environment Open Access	2023	https://0710m8c5o-y-https-www-we	4.5	5.50
313	Albaiyati, M.S.A., Danca, P.A., Neagu, A., Sandu, M.2021IOP Conference Series: Earth and Environmental Science 664(1),012063	2021	https://www.scopus-com.am.e-nfor	0	1.00
314	An integrated approach for sustainable development of wastewater treatment and management system using IoT in smart cities Karn, AL (Karn, Arodh Lal) [1] ; Pandya, S (Pandya, Sharnil) [2] ; Mehbodniya, A (Mehbodniya, Abolfazl) [3] ; Arslan, F (Arslan, Farrukh) [4] ; Sharma, DK (Sharma, Dilip Kumar) [5] ; Phasinam, K (Phasinam, Khongdet) [6] ; Aftab, MN (Aftab, Muhammad Nauman) [7] ; Rajan, R (Rajan, Regin) [8] ; Bommiseti, RK (Bommiseti, Ravi Kumar) DOI10.1007/s00500-021-06244-9 SOFT COMPUTING	2021	https://www.webofscience.com/wos	3.732	4.73
315	Industrial Internet of Things and Fog Computing to Reduce Energy Consumption in Drinking Water Facilities Korodi, A (Korodi, Adrian) [1] ; Crisan, R (Crisan, Ruben) [2] ; Nicolae, A (Nicolae, Andrei) [1] ; Silea, I (Silea, Ioan) [1] DOI10.3390/pr8030282 PROCESSES	2020	https://www.webofscience.com/wos	3.041	4.04
316	IoT Monitoring Setup for Waste Water TreatmentBy: Kodali, Ravi Kishore; Rajanarayanan, Sasweth C.; Yadavilli, SindhujaConference: 7th IEEE Region10 Humanitarian Technology Conference (IEEE R10 HTC) Location: Univ Indonesia, Depok Campus, Depok, INDONESIA Date: NOV 12-14, 2019Sponsor(s): IEEE; IEEE Reg 10 Asia Pacific; IEEE Indonesia Sect; IEEE Indonesia Sect MTT AP Soc Joint ChapterPROCEEDINGS OF 2019 IEEE R10 HUMANITARIAN TECHNOLOGY CONFERENCE (IEEE R10 HTC 2019) Book Series: IEEE Region 10 Humanitarian Technology Conference Pages: 169 - 174 Published:	2019	https://ieeexplore.ieee.org/docume	0	1.00
317	Solutions for increasing the quality of hydro-technical building elements obtained by numerical simulation y: Fodorean, Alexandru; Cureu, Adrian; Giurgiu, Oana; et al. Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO) Location: Cluj Napoca, ROMANIA Date: OCT 09-13, 2018 SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT (EENVIRO 2018) Book Series: E3S Web of Conferences Volume: 85 Article Number: 02011 Published:	2019	https://www.e3s-conferences.org/a	0	1.00
317	Numerical simulation of a very low Reynolds cross-shaped jet By: Bode, Florin; Meslem, Amina; Croitoru, Cristiana MECHANIKA Issue: 5 Pages: 512-517 Published: 2013 WOS:000326185300003 DOI10.5755/j01.mech.19.5.5537				
318	Present State and Future Of Environmental Control Systems in Space By: Constantinide, John; Najafi, Hamidreza ASHRAE JOURNAL Volume: 62 Issue: 7 Pages: 12-16 Published: JUL 2020	2020	https://www.ashrae.org/technical-re	0.418	1.42

319	An Aerodynamic Calculation Model for Anti-Torque System of NOTAR By: Chen, Chen; Cheng, Han; Sun, Peng; et al. MECHANIKA Volume: 24 Issue: 2 Pages: 213-220 Published: 2018	2018	http://apps.webofknowledge.com.a	0.529	1.53
320	An Aerodynamic Calculation Model for Anti-Torque System of NOTAR By: Chen, Chen; Cheng, Han; Sun, Peng; et al. MECHANIKA Volume: 24 Issue: 2 Pages: 213-220 Published:	2018	https://mechanika.ktu.lt/index.php/	0.5	1.50
321	CFD prediction with LES for psycho acoustic relevance in ventilation By: Hodor, Victor; Birlu, Dan; Nascutiu, Lucian; et al. Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv Engn EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 252-259 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00
322	Factors which influence the thermal comfort inside of vehicles By: Simion, Mihaela; Socaciu, Lavinia; Unguresan, Paula Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv Engn EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 472-480 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00
322	A regard on the thermal comfort theories from the standpoint of Electric Vehicle design - Review and perspectives Nastase, I; Danca, P; (...); Cosoiu, CI Nov 2022 Aug 2022 (Early Access) 8 , pp.10501-10517 ENERGY REPORTS WOS:000861226700015 DOI10.1016/j.egy.2022.08.186				
323	Impacts of convection on the thermal performance of radiant heating system with novel dry radiant module Tang, CL; Liang, TC and Nong, GM Jun 15 2023 May 2023 (Early Access) 238	2023	https://0710m8c9r-y-https-www-we	7.4	8.40
324	A Comprehensive Overview of Basic Research on Human Thermal Management in Future Mobility: Considerations, Challenges, and Methods Kwon, JY; Kim, JK; (...); Ju, DY Apr 28 2023 15 (9) SUSTAINABILITY	2023	https://0710m8c9r-y-https-www-we	3.9	4.90
325	Optimization of Transient Overvoltage Heat Dissipation Characteristics of New Energy Vehicle Precharge Resistors Yu, SY; Han, D; (...); Peng, T Jun 2023 Mar 2023 (Early Access) 11 (6) ENERGY TECHNOLOGY	2023	https://0710m8c9r-y-https-www-we	3.8	4.80
326	CFD Modelling of Thermal Comfort in the Passenger Coachv Palmowska, A and Sarna, I Dec 1 2022 15 (4) , pp.133-146 ARCHITECTURE CIVIL ENGINEERING ENVIRONMENT	2022	https://0710m8c9r-y-https-www-we	0.5	1.50
326	Numerical Simulation Investigation of a Double Skin Transpired Solar Air Collector Berville, C; Bode, F and Croitoru, C Jan 2022 12 (1) APPLIED SCIENCES-BASEL WOS:000742995400001 DOI10.3390/app12010520				
327	Contribution to the modelling of air flows in a conical inlet drying chamber Mamoudou, A; Fokone, AT; (...); Kuitche, A 8th Conference of the Sustainable-Solutions-for-Energy-and-Environment (EENVIRO) 2023 8TH CONFERENCE OF THE SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT EENVIRO 2022 1185	2023	https://0710m8c9r-y-https-www-we	0	1.00
327	Assessment of virtual thermal manikins for thermal comfort numerical studies. Verification and validation Croitoru, C; Nastase, I; (...); Sandu, M Jan 2 2022 Apr 2021 (Early Access) SCIENCE AND TECHNOLOGY FOR THE BUILT ENVIRONMENT WOS:000648003300001 DOI10.1080/23744731.2021.1916379				
328	The Effects of the Exhaust Fan Position to Indoor Air Pollution Distribution in Enclosed Parking Garage Open Access Pramadhony, Sahim, K., Puspitasari, D., Said, M., Sugianto2023CFD Letters 15(3), pp. 123-138	2023	https://0710e8dz7-y-https-www-sco	0	1.00
329	Influence of inlet turbulent condition on the formation mechanism of local scalar concentrations Yamasawa, H; Hirayama, T; (...); Ito, K Oct 2022 5 (4) , pp.691-701	2023	https://0710m8dy4-y-https-www-we	0.9	1.90
330	Combination of a simplified one-dimensional human thermoregulatory model with the water circulation temperature control and RO membrane sweating systems in the thermal manikin Nie, JC (Nie, Jiachen) [1] ; Ding, L (Ding, Li) [1] ; Tian, YS (Tian, Yinsheng) [2] ; Xue, LH (Xue, Lihao) [1] ; Zhang, Q (Zhang, Qing) [1] , [4] ; Yi, FH (Yi, Fahui) [3] DOI10.1016/j.ijthermalsci.2022.107941 INTERNATIONAL JOURNAL OF THERMAL SCIENCES	2023	https://www.webofscience.com/wos	4.5	5.50
331	An individualized thermoregulatory model for calculating human body thermal response in chemical protective clothing By: Zhang, Q (Zhang, Qing) [1] ; Xu, RQ (Xu, Ruiqi) [1] ; Ding, L (Ding, Li) [1] ; Zhang, CK (Zhang, Chuankun) [2] ; Zheng, XH (Zheng, Xiaohui) [2] ; Nie, JC (Nie, Jiachen) [1] DOI10.1016/j.ijthermalsci.2022.107780 INTERNATIONAL JOURNAL OF THERMAL SCIENCES	2022	https://www.webofscience.com/wos	4.5	5.50
332	Experimental and numerical study of the flow dynamics and thermal behavior inside a car cabin: Innovative air diffusers and human body plumes interactions Danca, P (Danca, Paul) [1] , [2] ; Jamin, A (Jamin, Amaury) [1] , [3] ; Nastase, I (Nastase, Ilinca) [1] ; Janssens, B (Janssens, Bart) [3] ; Bosschaerts, W (Bosschaerts, Walter) [3] ; Cosoiu, C (Cosoiu, Costin) [4] DOI10.1016/j.egy.2022.07.133 ENERGY REPORTS	2022	https://www.webofscience.com/wos	5.2	6.20

333	Influence of inlet turbulent condition on the formation mechanism of local scalar concentrations Yamasawa, H (Yamasawa, Haruna) [1] ; Hirayama, T (Hirayama, Teruaki) [2] ; Kuga, K (Kuga, Kazuki) [1] ; Muta, R (Muta, Ryota) [1] ; Kobayashi, T (Kobayashi, Tomohiro) [3] ; Ito, K (Ito, Kazuhide) DOI10.1002/2475-8876.12299 JAPAN ARCHITECTURAL REVIEW	2022	https://www.webofscience.com/wos	0	1.00
334	Experimental Validation of the Human Thermal Plume of the Driver Inside a Vehicle Cabin Jamin, A., Janssens, B., Bosschaerts, W., (...), Danca, P.A., Nastase, I. 2021 Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www.scopus-com.am.e-nfor	0	1.00
334	Experimental and numerical investigation on the convective thermal plume around the head of the standing and lying human body Tacutu, L; Nastase, I; (...); Sandu, M 2019 SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT (EENVIRO 2018) 85 WOS:000468021200028 DOI10.1051/e3sconf/20198502016				
335	Numerical Analysis of Convective Heat Transfer for Selected Geometric System Orłowska, M. 2022 Rocznik Ochrona Srodowiska 24, pp. 163-171	2022	https://www.scopus-com.am.e-nfor	0.2	1.20
336	Effect of human thermal plume and ventilation interaction on bacteria-carrying particles diffusion in operating room microenvironment Liu, ZJ (Liu, Zhijian) [1] ; Yin, D (Yin, Di) [2] ; Niu, YF (Niu, Yunfei) [1] ; Cao, GQ (Cao, Guoqing) [2] ; Liu, HY (Liu, Haiyang) [1] ; Wang, LQ (Wang, Liangqi) DOI10.1016/j.enbuild.2021.111573 ENERGY AND BUILDINGS	2022	https://www.webofscience.com/wos	6.7	7.70
337	The effect of the thermal plume generated by body heat dissipation on the containment of fume hood Liu, D (Liu, Dong) [1] ; Meng, C (Meng, Chuang) [1] ; Chen, JX (Chen, Jiaxin) [1] ; Li, LR (Li, Lirong) DOI10.1177/1420326X20974733 INDOOR AND BUILT ENVIRONMENT	2021	https://www.webofscience.com/wos	3.067	4.07
337	General ventilation system optimization study for environment improvement of sludge dewatering area from a wastewater treatment plant By: Croitoru, Cristiana; Bode, Florin; Nastase, Ilinca; et al. EENVIRO 2016 Book Series: Energy Procedia Volume: 112 Pages: 640-649 Published: 2017 WOS:000404848300079 DOI10.1016/j.egypro.2017.03.1131				
338	An improved ventilation system for settling stage of a wastewater treatment plant: a computational simulation analysis By: Polanco-Guzman, Ivan; Rodriguez-Troncoso, Marcos; Hammad, Ahmed W. A.; et al. INTERNATIONAL JOURNAL OF CONSTRUCTION MANAGEMENT early access icon Early Access: DEC 2020	2020	https://www.tandfonline.com/doi/ab	3.9	4.90
339	A Study on The Development of Local Exhaust Ventilation System (LEV's) for Installation of Laser Cutting Machine By: Harun, S. I.; Idris, S. R. A.; Jaya, N. Tamar Conference: Joining and Welding Symposium Location: Univ Malaysia Pahang, MALAYSIA Date: JUL 11, 2017 JOINING AND WELDING SYMPOSIUM Book Series: IOP Conference Series-Materials Science and Engineering Volume: 238 Article Number: 012013 Published: 2017	2017	https://iopscience-iop-org.am.e-nfor	0	1.00
339	An Experimental Approach Regarding the Sewage Self-Cleansing Conditions By: Iliescu, Marius; Sandu, Mihnea; Nastase, Ilinca; et al. EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 266-272 Published: 2016 WOS:000377911100034 DOI10.1016/j.egypro.2015.12.244				
340	Advanced solutions to improve heat recovery from wastewater in a double heat exchanger Open Access Danca, P.A., Al Baiyati, A., Nastase, I., (...), Terziev, A., Mijorsk, S. 2023 IOP Conference Series: Earth and Environmental Science 1128(1), 012008	2023	https://0710e8dz7-y-https-www-sco	0	1.00
341	Improving the efficiency of energy recovery from wastewater by using a double heat exchanger to protect the environment Open Access Al Baiyati, M.S.A., Danca, P.A., Neagu, A., Sandu, M. 2021 IOP Conference Series: Earth and Environmental Science 664(1), 012063	2021	https://www.scopus-com.am.e-nfor	0	1.00
342	Preliminary results - Numerical Simulations for Heat Recovery System from Wastewater Danca, P.A., Al Baiyati, A., Ivanov, M., Terziev, A., Mijorsk, S. 2021 Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www.scopus-com.am.e-nfor	0	1.00
343	The Enduring Relationship Between Civil Engineering and Spatial Injustice Maswime, GV (Maswime, Gundo V.) [1] URBAN INCLUSIVITY IN SOUTHERN AFRICA DOI10.1007/978-3-030-81511-0_3	2021	https://www.webofscience.com/wos	0	1.00
344	Solutions for increasing the quality of hydro-technical building elements obtained by numerical simulation By: Fodorean, Alexandru; Cureu, Adrian; Giurgiu, Oana; et al. Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO) Location: Cluj Napoca, ROMANIA Date: OCT 09-13, 2018 SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT (EENVIRO 2018) Book Series: E3S Web of Conferences Volume: 85 Article Number: 02011 Published:	2019	https://www.e3s-conferences.org/aj	0	1.00
344	Advanced Thermal Manikin for Thermal Comfort Assessment in Vehicles and Buildings Ion-guta D.D., Ursu I., Toader A., Enciu D., Danca P.A., Nastase I., Croitoru C.V., Bode F, Sandu M. (2022) Applied Sciences (Switzerland), 12 (4) , art. no. 1826 WOS:000763043300001 DOI10.3390/app12041826				
345	Active robust control for wing vibrations attenuation Open Access Ursu, I., Toader, A., Enciu, D., Tecuceanu, G. 2022 INCAS Bulletin 14(1), pp. 209-224	2022	https://www.scopus-com.am.e-nfor	0	1.00

346	Experimental and numerical study of the flow dynamics and thermal behavior inside a car cabin: Innovative air diffusers and human body plumes interactions Open Access Dancă, P., Jamin, A., Nastase, I., (...), Bosschaerts, W., Coşoiu, C.2022Energy Reports 8, pp. 992-1002	2022	https://www.sciencedirect.com.am	5.2	6.20
346	INNOVATIVE SOLAR WALL PERFORMANCE STUDY FOR LOW ENERGY BUILDINGS APPLICATIONS By: Croitoru, Cristiana; Bode, Florin; Nastase, Ilinca; et al. Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 307-314 Published: 2014 WOS:000371089600040				
347	Wall and roof solutions for a retail building considering cost investment and life cycle approach: A case study in Portugal Ferreira, A; Pinheiro, MD; (...); Mendonca, R Jan 10 2023 Dec 2022 (Early Access) 383 JOURNAL OF CLEANER PRODUCTION	2023	https://0710m8dy4-y-https-www-we	11.1	12.10
348	Mesh independency study for an unglazed transpired solar collector Open Access Berville, C., Tetang Fokone, A., Sima, C.I., Croitoru, C.V.2021IOP Conference Series: Earth and Environmental Science 664(1),012059	2021	https://www.scopus-com.am.e-nfor	0	1.00
349	Thermal evaluation of an innovative type of unglazed solar collector for air preheatingBy: Croitoru, Cristiana; Nastase, Ilinca; Voicu, Ionut; et al.Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv EngnEENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 149 - 155 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00
350	Multi-criteria Design and Impact on Energy Consumption of a Residential House-A Parametric Study Open Access Croitoru, C., Nastase, I., Sandu, M., Lungu, C.2016Energy Procedia 85, pp. 141-148	2016	https://www.scopus-com.am.e-nfor	0	1.00
350	Interaction between a local and a general ventilation system for an operating room with patient Tacutu, L; Nastase, I; (...); Croitoru, C 9th International Conference on Energy and Environment (CIEM) 2019 2019 INTERNATIONAL CONFERENCE ON ENERGY AND ENVIRONMENT (CIEM) , pp.348-353 WOS:000630902700073 DOI10.1109/ciem46456.2019.8937568				
351	Controlling infectious airborne particle dispersion during surgical procedures: Why mobile air supply units matter? Tan, HY (Tan, Huiyi) [1] ; Wong, KY (Wong, Keng Yinn) [2] , [3] ; Othman, MHD (Othman, Mohd Hafiz Dzarfan) [4] ; Kek, HY (Kek, Hong Yee) [2] ; Tey, WY (Tey, Wah Yen) [5] ; Nyakuma, BB (Nyakuma, Bemgba Bevan) [6] ; Mong, GR (Mong, Guo Ren) [7] ; Kuan, GRY (Kuan, Garry) [8] , [9] ; Ho, WS (Ho, Wai Shin) [1] , [3] ; Kang, HS (Kang, Hooi Siang DOI10.1016/j.buildenv.2022.109489 BUILDING AND ENVIRONMENT	2022	https://www.webofscience.com/wos	7.4	8.40
351	The influence of the sleeve's orifices geometric patterns on the fluid flow through a hydraulic resistance By: Sfarlea, I.; Bode, F.; Opruta, D.Conference: 7th International Conference on Experimental Fluid Mechanics (EFM) EPJ Web of Conferences Volume: 45 Article Number: 01113 Published: 2013				
352	Experimental research on variable hydraulic resistors of servo-hydraulic valvesBy: Banyai, Daniel; Sfarlea, Ioana; Opruta, DanConference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv EngnEENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 44-51 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00
353	FLOW RATE COEFFICIENT AND CRITICAL REYNOLDS NUMBER FOR CONTROL VALVES Oputa, D; Banyai, D and Sfarlea, I International Conference on Production Research - Africa, Europe and the Middle East (ICPR-AEM) / 4th International Conference on Quality and Innovation in Engineering and Management (QIEM)	2016	https://0710m8dy4-y-https-www-we	0	1.00
353	Investigation on thermo-acoustical instabilities related to a confined swirling burner By: Bode, F.; Benea, R.; Hodor, V.MECHANIKA Issue: 1 Pages: 37-42 Published: 2010 WOS:000275842100006				
354	CFD prediction with LES for psycho acoustic relevance in ventilation By: Hodor, Victor; Birlu, Dan; Nascutiu, Lucian; et al. Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv Engn EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 252-259 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00
354	Investigation of the nonreactive flow in a swirling burner By: Bode, F.; Giurgea, C.; Hodor, V.; et al.MECHANIKA Issue: 5 Pages: 42-47 Published: 2009 WOS:000271802000006				
355	An improved measurement algorithm for increasing the accuracy of sing-around type ultrasonic flow metersBy: Gatabi, J. R.; Gatabi, I. R.; Soltani, M.; et al.MECHANIKA Issue: 2 Pages: 209-213 Published: 2012	2012	https://www.mechanika.ktu.lt/index	0	1.00
356	Research of Heat Transfer in the Entrance Region of Infinite Film FlowBy: Sinkunas, S.; Kiela, A.; Maciulevicius, J.Conference: 15th International Conference on Mechanika Location: Kaunas Univ Technol, Kaunas, LITHUANIA Date: APR 08-09, 2010MECHANIKA 2010: PROCEEDINGS OF THE 15TH INTERNATIONAL CONFERENCE Book Series: Mechanika Kaunas University of Technology Pages: 415-419 Published: 2010 \	2010	https://apps-webofknowledge-com	0	1.00

356	Experimental study of an innovative perforated air diffuser at real scale conditions Bode, FI; Dogeanu, A; (...); Ene, A Nov 2022 Sep 2022 (Early Access) 8 , pp.1479-1490 ENERGY REPORTS WOS:000865783500008 DOI10.1016/j.egy.2022.09.001				
357	An improved anisotropic continuum model for the flow and heat transfer in grain aeration system Liu, WL; Chen, GX; (...); Liu, CS Jul 2023 (Early Access) JOURNAL OF FOOD PROCESS ENGINEERING	2023	https://0710m8dy4-y-https-www-we	3	4.00
357	Numerical investigation of cascaded phase change materials use in transpired solar collectors Pop, O; Berville, C; (...); Croitoru, C 2022 (Early Access) 8 , pp.184-193 ENERGY REPORTS				
358	Contribution to the modelling of air flows in a conical inlet drying chamber Mamoudou, A; Fokone, AT; (...); Kuitche, A 8th Conference of the Sustainable-Solutions-for-Energy-and-Environment (EENVIRO)	2023	https://0710m8dy4-y-https-www-we	0	1.00
358	HEAT AND MASS TRANSFER ENHANCEMENT STRATEGIES BY IMPINGING JETS A Literature Review Bode, F; Patrascu, C and Nastase, I 2021 25 (4) , pp.2637-2652 Thermal Science WOS:000680669700018 DOI10.2298/TSCI200713227B				
359	A review of the state-of-the-art nanofluid spray and jet impingement cooling Tyagi, PK; Kumar, R and Mondal, PK ec 1 2020 32 (12) PHYSICS OF FLUIDS	2020	https://0710m8dy4-y-https-www-we	3.521	4.52
359	Mesh independency study for an elementary perforated panel part of an air solar collector Bejan, AS; Bode, F; (...); Teodosiu, C 2019 SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT (EENVIRO 2018) 85 WOS:000468021200029 DOI10.1051/e3sconf/20198502017				
360	Theoretical study on melting of phase change material by natural convection Huang, BK (Huang, Bingkun) [1] ; Yang, SM (Yang, Shimi) [1] ; Hu, EY (Hu, Enyi) [1] ; Li, XX (Li, Xiuxiu) [1] ; Wang, J (Wang, Jun) [1] ; Lund, P (Lund, Peter DOI10.1016/j.csite.2021.101620 CASE STUDIES IN THERMAL ENGINEERING	2021	https://www.webofscience.com/wos	6.268	7.27
360	Optimization process for an industrial ventilation system installed inside a sludge dehydration hall Chitaru, G; Croitoru, C; (...); Dogeanu, A 2019 INTERNATIONAL CONFERENCE ON ENERGY AND ENVIRONMENT (CIEM) , pp.434-438 WOS:000630902700089				
361	Numerical and experimental study of the International Space Station crew quarters ventilation Georgescu, MR (Georgescu, Matei Razvan) [1] , [2] ; Meslem, A (Meslem, Amina) [1] ; Nastase, I (Nastase, Ilinca) [2] ; Sandu, M (Sandu, Mihnea) [2 DOI10.1016/j.job.2021.102714 JOURNAL OF BUILDING ENGINEERING	2021	https://www.webofscience.com/wos	7.144	8.14
361	Real time monitoring network demonstrator for air quality management Dogeanu A., Nastase I., Ursu I., Enciu D., Bode F., Sandu M., Croitoru C., (...), Iana G. (2019) Proceedings of 2019 International Conference on ENERGY and ENVIRONMENT, CIEM 2019 , art. no. 8937625 , pp. 459-463.				
362	Field Calibration and Evaluation of an Internet-of-Things-Based Particulate Matter Sensor Open Access Cowell, N., Chapman, L., Bloss, W., Pope, F.2022Frontiers in Environmental Science 9,798485	2022	https://www.frontiersin.org/articles/	5.411	6.41
362	Considerations Regarding the Optically Transparent Rigid Model for PIV Investigations. A Case Study. Part 2: Notes on the failure of the model Nascutiu L., Giurgea C., Damian M., Bode F., Budiu O., Andercou O. (2016) Energy Procedia, 85 , pp. 358-365.				
363	Study on Aqueous Humour Hydrodynamics of Glaucoma Condition Using 3D Printed Model and Particle Image Velocimetry (PIV) Open Access Khairulfuaad, R., Asmuin, N., Taib, I.2022Journal of Advanced Research in Fluid Mechanics and Thermal Sciences 89(1), pp. 26-41	2022	https://www.scopus-com.am.e-nfor	0	1.00
364	Flow Characteristics for Two-Strand Tundish in Continuous Slab Casting Using PIV By: Huang, Jun; Yuan, Zhigang; Shi, Shaoyuan; et al.METALS Volume: 9 Issue: 2 Article Number: 239 Published: FEB 2019	2019	https://www.mdpi.com/2075-4701/9	2.117	3.12
364	Considerations Regarding the Optically Transparent Rigid Model for PIV Investigations. A Case Study. Part1: Model Manufacturing Nascutiu L., Giurgea C., Damian M., Bode F., Budiu O., Andercou O. (2016) Energy Procedia, 85 , pp. 358-365.				
365	A comprehensive model for enhancing productivity of a decentralized desalination unitMegahed, H., El Mahallawy, N.2022Journal of Cleaner Production 368,133105	2022	https://www.sciencedirect.com/scie	11.072	12.07
365	THERMAL COMFORT AND IEQ ASSESSMENT OF AN UNDER-FLOOR AIR DISTRIBUTION SYSTEMBy: Ioan, Bode Florin; Verona, Croitoru Cristiana; Madalin, Dogeanu Angel; et al. 2013: 13TH INTERNATIONAL CONFERENCE OF THE INTERNATIONAL BUILDING PERFORMANCE SIMULATION ASSOCIATION Pages 2334-2339 Published:2013				
366	On the Procedure of Draught Rate Assessment in Indoor Spaces By: Markov, Detelin; Ivanov, Nikolay; Pichurov, George; et al. APPLIED SCIENCES-BASEL Volume: 10 Issue: 15 Article Number: 5036 Published: AUG 2020	2020	https://www.mdpi.com/2076-3417/1	2.679	3.68
366	Study regarding the influence of the crimping angle on the performances of the heat exchangers Irimies, O; Bode, F and Opruta, D 7th International Conference on Experimental Fluid Mechanics (EFM) 2013 EFM12 - EXPERIMENTAL FLUID MECHANICS 2012 45				
367	Plate heat exchangers - flow analysis through mini channels Giurgiu, O; Plesa, A and Socaciu, L Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) 2016 EENVIRO-YRC 2015 - BUCHAREST 85 , pp.244-251	2016	https://0710m8dy4-y-https-www-we	0	1.00

367	CFD simulation of a cabin thermal environment with and without human body - Thermal comfort evaluation Danca, P., Bode, F., Nastase, I. Meslem, A. <i>E3S Web of Conferences</i> , 2018, 32, 01018				
368	A Critical Review on Occupant's Thermal Comfort Inside Electric Vehicle Car CabinWadhwa, A., Kalsia, M.20232nd Edition of IEEE Delhi Section Owned Conference, DELCON 2023 - Proceedings	2023	https://0710e8dz7-y-https-www-sco	0	1.00
369	Human Thermoregulation and Injury Evaluation in Fire Environments: A ReviewWeng, W., Yang, J., Wu, J., (...), He, Z., Chen, W.2023Fire Technology	2023	https://0710e8dz7-y-https-www-sco	3.4	4.40
370	Research on the variable volume and temperature air supply strategy based on thermal comfort in a vehicle cabinQin, Z., Jia, M., Duan, J., Wang, L.2022Journal of Thermal Analysis and Calorimetry 147(23), pp. 13665-13680	2022	https://link-springer-com.am.e-nfor	4.4	5.40
371	Numerical simulation on fluid flow and temperature prediction of motorcycles based on CFD Open Access Tan, L., Yuan, Y., Tang, L., Huang, C.2022Alexandria Engineering Journal 61(12), pp. 12943-12963	2022	https://www-sciencedirect-com.am	6.8	7.80
372	Experimental and numerical study of the flow dynamics and thermal behavior inside a car cabin: Innovative air diffusers and human body plumes interactions Open AccesDancă, P., Jamin, A., Nastase, I., (...), Bosschaerts, W., Coşoiu, C.2022Energy Reports 8, pp. 992-1002	2022	https://www-sciencedirect-com.am	5.2	6.20
373	Computational fluid dynamics simulation and performance optimization of an electrical vehicle Air-conditioning system Open AccessTan, L., Yuan, Y.2022Alexandria Engineering Journal 61(1), pp. 315-328	2022	https://www-sciencedirect-com.am	6.8	7.80
374	A Parametric Approach of IP Duct Vane Articulation Study for Enhanced Cabin Cool down PerformanceBaskar, S., Raju, K., Gopinathan, N.2021SAE Technical Papers Part 173236(2021)	2021	https://saemobilus.sae.org/content/	0	1.00
375	Prediction of thermal comfort of female passengers in a vehicle based on an outdoor experimentYun, S., Chun, C., Kwak, J., (...), Kim, S., Seo, S.2021Energy and Buildings 248,111161	2021	https://www-sciencedirect-com.am	7.201	8.20
376	Prediction and evaluation of dynamic variations of the thermal environment in an air-conditioned room using collaborative simulation method Open Access He, L., Zhao, S., Xu, G., (...), Xie, J., Cai, S.2021Energies 14(17),5378	2021	https://www.mdpi.com/1996-1073/1	3.252	4.25
377	Numerical and experimental study of the International Space Station crew quarters ventilation Open Access Georgescu, M.R., Meslem, A., Nastase, I., Sandu, M.2021Journal of Building Engineering 41,102714	2021	https://www-sciencedirect-com.am	7.144	8.14
378	Cfd investigation of vehicle's ventilation systems and analysis of ach in typical airplanes, cars, and buses Open Access Pirouz, B., Mazzeo, D., Palermo, S.A., (...), Turco, M., Piro, P.2021Sustainability (Switzerland)13(12),6799	2021	https://www.mdpi.com/2071-1050/1	3.889	4.89
379	Analysis of flow field and ventilation and heat dissipation of main reducer cabin under condition of forward flight and hovering of heavy helicopter [重型直升机前飞和悬停状态下主减速器舱流场与通风散热分析]Bao, H., Hou, X., Lu, F., Zhu, R.2021Zhongnan Daxue Xuebao (Ziran Kexue Ban)/Journal of Central South University (Science and Technology) 52(5), pp. 1473-1481	2021	https://www-scopus-com.am.e-nfor	0	1.00
380	Experimental Study on the Thermal Environment Inside a Vehicle Cabin with Innovative Air DiffusersNastase, I., Danca, P.A.2021Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www-scopus-com.am.e-nfor	0	1.00
381	CFD-based evaluation of flow and temperature characteristics of airflow in an aircraft cockpit Open Access Duan, X., Yu, S., Chu, J., Chen, D., Su, Z.2021CMES - Computer Modeling in Engineering and Sciences 129(2)	2021	https://www-scopus-com.am.e-nfor	0	1.00
382	Experiment and Simulation for Occupant's Surface Temperature and Thermal Environment with Human Thermal Regulation Model [考虑人体热调节的乘员表面温度分布及车内热环境的数值仿真和试验]He, Y.-S., Ling, J., Yang, J., Du, Y.-F., Zhang, Z.-F.2021 Zhongguo Gonglu Xuebao/China Journal of Highway and Transport 34(1), pp. 199-208	2021	https://www-scopus-com.am.e-nfor	0	1.00
383	Simulation and optimization of air supply system layout for special vehicle cabin [特种车辆舱室送风系统布局仿真优化]Xu, G., Pang, L.2020Huagong Xuebao/CIESC Journal 71, pp. 335-340	2020	https://www-scopus-com.am.e-nfor	0	1.00
384	THEORETICAL STUDIES of the HEATING SYSTEM in the VEHICLE COMPARTMENT during PASSENGER TRANSPORTATION TAKING into ACCOUNT BREATHING under CONDITIONS of LOW TEMPERATURES Open Access Aleshkov, D.S., Banket, M.V., Sukovin, M.V., Pogulyaeva, I.V., Yanchij, S.V.2020Journal of Applied Engineering Science18(3), pp. 346-354	2020	https://www-scopus-com.am.e-nfor	0	1.00
385	CFD modelling of the airflow in the driver's cabin of a modern rail vehicle Open Access Palmowska, A., Walczyk, K.2019Proceedings of the World Congress on Mechanical, Chemical, and Material Engineering 127	2019	https://www-scopus-com.am.e-nfor	0	1.00
386	Controlling of train's interior heating system for maximum energy efficiency Open Access Bušs, D., Eiduks, J.2019Transport Problems14(3), pp. 121-134	2019	https://www-scopus-com.am.e-nfor	0	1.00

387	CFD studies for energy conservation in the HVAC system of a hatchback model passenger car Hariharan, C., Sanjana, S., Saravanan, S., (...), Arun Prakash, S., Antony Aroul Raj, V. 2019 Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2019	https://www.scopus-com.am.e-nfor	0	1.00
387	Evaluation of the thermal comfort for its occupants inside a vehicle during summer Danca P., Nastase I., Bode F., Croitoru C., Dogeanu A., Meslem A. (2019) IOP Conference Series: Materials Science and Engineering, 595 (1), art. no. 012027				
388	Human thermal sensation and its algorithmic modelization under dynamic environmental thermal characteristics of vehicle cabin Open Access Li, W., Chen, J., Lan, F., Xie, H. 2022 Indoor Air 32(12), e13168	2022	https://0710e8dz7-y-https-www-sco	5.8	6.80
389	Experimental and numerical study of the flow dynamics and thermal behavior inside a car cabin: Innovative air diffusers and human body plumes interactions Open Access Dancă, P., Jamin, A., Nastase, I., (...), Bosschaerts, W., Coșoiu, C. 2022 Energy Reports 8, pp. 992-1002	2022	https://www.sciencedirect-com.am	4.937	5.94
390	VEHICLE AIR CONDITIONER (VAC) CONTROL SYSTEM BASED ON PASSENGER COMFORT: A PROOF OF CONCEPT Open Access Munahar, S., Purnomo, B.C., Izzudin, M., Setiyo, M., Saudi, M.M. 2022 IJUM Engineering Journal 23(1), pp. 370-383	2022	https://www.scopus-com.am.e-nfor	0	1.00
391	Thermal Manikins-General Features and Applications Simova, I., Angelova, R.A., Markov, D., Velichkova, R., Stankov, P. 2021 Proceedings of the 2021 6th International Symposium on Environment-Friendly Energies and Applications, EFEA 2021 9406231	2021	https://www.scopus-com.am.e-nfor	0	1.00
392	Toward Intelligent Car Comfort Sensing: New Dataset and Analysis of Annotated Physiological Metrics Olugbade, T., Cho, Y., Morgan, Z., El Ghani, M.A., Bianchi-Berthouze, N. 2021 2021 9th International Conference on Affective Computing and Intelligent Interaction, ACII 2021	2021	https://www.scopus-com.am.e-nfor	0	1.00
393	Experimental Study on the Thermal Environment Inside a Vehicle Cabin with Innovative Air Diffusers Nastase, I., Danca, P.A. 2021 Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www.scopus-com.am.e-nfor	0	1.00
394	Assessment of thermal comfort parameters in various car models and mitigation strategies for extreme heat-health risks in the tropical climate Ravindra, K., Agarwal, N., Mor, S. 2020 Journal of Environmental Management 267, 110655	2020	https://www.sciencedirect-com.am	6.789	7.79
395	THEORETICAL STUDIES of the HEATING SYSTEM in the VEHICLE COMPARTMENT during PASSENGER TRANSPORTATION TAKING into ACCOUNT BREATHING under CONDITIONS of LOW TEMPERATURES Open Access Aleshkov, D.S., Banket, M.V., Sukovin, M.V., Pogulyaeva, I.V., Yanchij, S.V. 2020 Journal of Applied Engineering Science 18(3), pp. 346-354	2020	https://www.scopus-com.am.e-nfor	0	1.00
395	Optimization of lobed perforated panel diffuser: Numerical study of orifice geometry Meslem, A. Bode, F., Nastase, I., Martin, O. Modern Applied Science, 2012, 6(12), pp. 59-73				
396	Experimental and CFD-based study of the interaction of lobed multi-jet diffusers in unbalanced positions Braikia, M., Naji, H., Khelil, A., Maammar, A. 2022 Journal of the Brazilian Society of Mechanical Sciences and Engineering 44(7), 264	2022	https://www.scopus-com.am.e-nfor	0	1.00
397	Experiments and large-eddy simulations of lobed and swirling turbulent thermal jets for hvac's applications Open Access Bennia, A., Fellouah, H., Khelil, A., Loukarfi, L., Naji, H. 2020 Journal of Applied Fluid Mechanics 13(1), pp. 103-117	2020	https://www.scopus-com.am.e-nfor	0	1.00
398	Experimental and numerical investigation of a turbulent lobed diffuser jet: Application to residential comfort Open Access Bennia, A., Loukarfi, L., Khelil, A., (...), Braikia, M., Naji, H. 2018 Mechanics and Industry 19(1), 104	2018	https://www.mechanics-industry.org	0.995	2.00
399	Experimental Study for the Integration of an Innovative Air Distribution System in Operating Rooms Open Access Nastase, I., Croitoru, C., Dan, M., Ursu, I., Meslem, A. 2017 Energy Procedia 112, pp. 613-620	2017	https://www.scopus-com.am.e-nfor	0	1.00
400	Contribution to the experimental and numerical dynamic study of a turbulent jet issued from lobed diffuser Open Access Bennia, A., Loukarfi, L., Khelil, A., (...), Braikia, M., Naji, H. 2016 Journal of Applied Fluid Mechanics 9(6), pp. 2957-2967	2016	https://www.scopus-com.am.e-nfor	0	1.00
401	Plate Heat Exchangers - Flow Analysis through Mini Channels Open Access Giurgiu, O., Pleșa, A., Socaciu, L. 2016 Energy Procedia 85, pp. 244-251	2016	https://www.scopus-com.am.e-nfor	0	1.00
402	Structure of intelligent control system of auger vacuum extruder for ceramic bricks' manufacturing Galitskov, S.Y., Nazarov, M.A., Galitskov, K.S. 2015 International Journal of Applied Engineering Research 10(20), pp. 40846-40852	2015	https://www.scopus-com.am.e-nfor	0	1.00
403	Numerical investigation of mechanical tabs effect on a turbulent free circular jet Boulenouar, M., Imine, O., Boualem, N., Yahiaoui, T. 2014 International Journal of Fluid Mechanics Research 41(4), pp. 337-352	2014	https://www.scopus-com.am.e-nfor	0	1.00
403	Experimental study of thermal comfort in a vehicle cabin during the summer season Danca P., Bode F., Dogeanu A., Croitoru C., Sandu M., Meslem A., Nastase I. (2019) E3S Web of Conferences, 111, art. no. 01048				

404	Investigation of changes in Driver's biosignals and thermal comfort according to the heating method in winter Open Access Kim, Y., Lee, M., Shin, Y., Cho, H.2023Case Studies in Thermal Engineering 42,102749	2023	https://0710e8dz7-y-https-www-sco	6.8	7.80
405	Thermal Comfort in the Modern Car-Experimental Analysis and Verification of the Fanger ModelKrawczyk, N., Dębska, L., Białek, A.2021International Review of Mechanical Engineering 5(12), pp. 609-614	2021	https://www-scopus-com.am.e-nfor	0	1.00
406	Experimental Study on the Thermal Environment Inside a Vehicle Cabin with Innovative Air DiffusersNastase, I., Danca, P.A.2021Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www-scopus-com.am.e-nfor	0	1.00
406	Numerical prediction of wall shear rate in impinging cross-shaped jet at moderate reynolds number Bode F., Sodjavi K., Meslem A., Nastase I. (2014) UPB Scientific Bulletin, Series D: Mechanical Engineering, 76 (2) , pp. 251-258.				
407	Numerical simulation of the shear stress produced by the hot metal jet on the blast furnace runnerBarral, P., Nicolás, B., Quintela, P.2021Computers and Mathematics with Applications 102, pp. 146-159	2021	https://www-sciencedirect-com.am	3.218	4.22
408	Preliminary results - Numerical Simulations for Heat Recovery System from WastewaterDanca, P.A., Albayati, A., Ivanov, M., Terziev, A., Mijorsk, S.2021Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www-scopus-com.am.e-nfor	0	1.00
409	Solutions for increasing the quality of hydro-technical building elements obtained by numerical simulation Open Access Fodorean, A., Cureu, A., Giurgiu, O., Opruța, D.2019E3S Web of Conferences85,02011	2018	https://www-scopus-com.am.e-nfor	0	1.00
410	Plate Heat Exchangers - Flow Analysis through Mini Channels Open Access Giurgiu, O., Pleșa, A., Socaciu, L.2016Energy Procedia 85, pp. 244-251	2016	https://www-scopus-com.am.e-nfor	0	1.00
410	Impinging jets - A short review on strategies for heat transfer enhancement Nastase I., Bode F. (2018) E3S Web of Conferences, 32 , art. no. 01013				
411	Numerical investigation of the heat transfer in a meandering millichannel by a coupled 1D-flow-channel / 3D-surrounding-solid modelMaarawi, A., Anxionnaz-Minvielle, Z., Coste, P., Di Miceli Raimondi, N., Cabassud, M.2023Chemical Engineering Research and Design 193, pp. 353-366	2023	https://0710e8dz7-y-https-www-sco	0	1.00
412	Numerical prediction of the second peak in the nusselt number distribution from an impinging round jet Open Access Chitsazan, A., Klepp, G., Glasmacher, B.2021International Journal of Heat and Technology 39(4), pp. 1243-1252	2021	https://www-scopus-com.am.e-nfor	0	1.00
413	Review of jet impingement heat and mass transfer for industrial applicationChitsazan, A., Klepp, G., Glasmacher, B.2021Heat Transfer Research 52(9), pp. 61-91	2021	https://www.dl.begellhouse.com/jou	1.975	2.98
414	Variational entropy generation minimization of a channel flow: Convective heat transfer in a gas flow Open Access Avellaneda, J.M., Bataille, F., Toutant, A., Flamant, G.2020International Journal of Heat and Mass Transfer 160,120168	2020	https://www-sciencedirect-com.am	5.584	6.58
415	Thermal drying utilizing intermittent and pulsating impinging jet (Book Chapter)Kurnia, J.C., Xu, P., Sasmito, A.P., Mujumdar, A.S.2019Heat and Mass Transfer in Drying of Porous Media pp. 105-129	2019	https://www-scopus-com.am.e-nfor	0	1.00
415	The influence of different air flows introduced on the thermal comfort of car passengers during the cooling period - Numerical Study Danca P.A., Nastase I., Bode F. (2021) IOP Conference Series: Earth and Environmental Science, 664 (1) , art. no. 012112				
416	Effect of urban microclimates on dynamic thermal characteristics of a vehicle cabin Open Access Lan, F., Chen, H., Chen, J., Li, W.2023Case Studies in Thermal Engineering 49,103162	2023	https://0710e8dz7-y-https-www-sco	6.8	7.80
417	Experimental and numerical study of the flow dynamics and thermal behavior inside a car cabin: Innovative air diffusers and human body plumes interactions Open Access Danca, P., Jamin, A., Nastase, I., (...), Bosschaerts, W., Coșoiu, C.2022Energy Reports 8, pp. 992-1002	2022	https://www-sciencedirect-com/scie	4.937	5.94
418	Experimental Study on the Thermal Environment Inside a Vehicle Cabin with Innovative Air DiffusersNastase, I., Danca, P.A.2021Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www-scopus-com.am.e-nfor	0	1.00
418	Thermal comfort evaluation inside a car parked under sun and shadow using a thermal manikin Danca P.A., Nastase I., Croitoru C., Bode F., Sandu M. (2021) IOP Conference Series: Earth and Environmental Science, 664 (1) , art. no. 012064				
419	Thermal comfort assessment in the modern passenger car under actual operational conditions Open Access Dębska, L., Krawczyk, N.2023Production Engineering Archives 29(2), pp. 140-146	2023	https://0710e8dz7-y-https-www-sco	2.3	3.30
420	Research on the variable volume and temperature air supply strategy based on thermal comfort in a vehicle cabinQin, Z., Jia, M., Duan, J., Wang, L.2022Journal of Thermal Analysis and Calorimetry 147(23), pp. 13665-13680	2022	https://link-springer-com.am.e-nfor	4.755	5.76

421	Thermal Comfort in the Modern Car-Experimental Analysis and Verification of the Fanger Model Krawczyk, N., Dębska, L., Białek, A.2021International Review of Mechanical Engineering 15(12), pp. 609-614	2021	https://www-scopus-com.am.e-nfor	0	1.00
422	Experimental Study on the Thermal Environment Inside a Vehicle Cabin with Innovative Air Diffusers Nastase, I., Danca, P.A.2021Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www-scopus-com.am.e-nfor	0	1.00
422	Local and general ventilation system for an operating room with surgeons and patient Tacutu L., Nastase I., Bode F., Dogeanu A., Croitoru C. (2019) E3S Web of Conferences, 111 , art. no. 06081				
423	Subjective assessment of indoor air quality and thermal environment in patient rooms: A survey study of Polish hospitals Uścińowicz, P., Bogdan, A., Szytak-Szydłowski, M., Młynarczyk, M., Ćwiklińska, D.2023Building and Environment 228,109840	2023	https://www-sciencedirect-com.am	7.4	8.40
424	Identification of microbial airborne contamination routes in a food production environment and development of a tailored protection concept using computational fluid dynamics (CFD) simulation Open Access Zand, E., Brockmann, G., Schottroff, F., (...), Kriegel, M., Jaeger, H.2022Journal of Food Engineering 334,111157	2022	https://www-sciencedirect-com.am	5.5	6.50
425	Controlling infectious airborne particle dispersion during surgical procedures: Why mobile air supply units matter? Tan, H., Wong, K.Y., Dzarfan Othman, M.H., (...), Chin Vui Sheng, D.D., Wahab, R.A.2022Building and Environment 223,109489	2022	https://www-sciencedirect-com.am	7.4	8.40
426	The effect of the type of protective suit on the thermophysiological comfort of surgeons in an operating room Open Access Angelova, R.A., Velichkova, R.2020IOP Conference Series: Materials Science and Engineering 878(1),012062	2020	https://www-scopus-com.am.e-nfor	0	1.00
427	An experimental study of the flow characteristics and velocity fields in an operating room with laminar airflow ventilation Lin, T., Zargar, O.A., Lin, K.-Y., (...), Hu, S.-C., Leggett, G.2020Journal of Building Engineering 29,101184	2020	https://www-sciencedirect-com.am	5.318	6.32
427	Experimental and numerical study of the air distribution inside a car cabin Danca P., Bode F., Nastase I., Croitoru C.V., Meslem A. (2019) E3S Web of Conferences, 85 , art. no. 02014				
428	Experimental and numerical study of the flow dynamics and thermal behavior inside a car cabin: Innovative air diffusers and human body plumes interactions Open Access Dancă, P., Jamin, A., Nastase, I., (...), Bosschaerts, W., Coşoiu, C.2022Energy Reports 8, pp. 992-1002	2022	https://www-sciencedirect-com.am	4.937	5.94
429	Experimental Study on the Thermal Environment Inside a Vehicle Cabin with Innovative Air Diffusers Nastase, I., Danca, P.A.2021Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www-scopus-com.am.e-nfor	0	1.00
429	Preliminary research on virtual thermal comfort of automobile occupants Horobet T., Danca P., Nastase I., Bode F. (2018) E3S Web of Conferences, 32 , art. no. 01022				
430	Research on the variable volume and temperature air supply strategy based on thermal comfort in a vehicle cabin Qin, Z., Jia, M., Duan, J., Wang, L.2022Journal of Thermal Analysis and Calorimetry 147(23), pp. 13665-13680	2022	https://link-springer-com.am.e-nfor	4.755	5.76
431	Experimental Study on the Thermal Environment Inside a Vehicle Cabin with Innovative Air Diffusers Nastase, I., Danca, P.A.2021Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www-scopus-com.am.e-nfor	0	1.00
431	A Numerical Analysis of the Air Distribution System for the Ventilation of the Crew Quarters on board of the International Space Station Bode F., Nastase I., Croitoru C.V., Sandu M., Dogeanu A. (2018) E3S Web of Conferences, 32 , art. no. 01006				
432	New Trends in the Management of Optometry Offices Udrea, I., Alionte, C.G., Gheorghe, V.I., Apostolescu, T.C., Cobzac, C.-I.2023Lecture Notes in Mechanical Engineering pp. 100-113	2023	https://www-scopus-com.am.e-nfor	0	1.00
433	Performance evaluation of three attached ventilation scenarios for tiny sleeping spaces Yin, H., Li, Y., Deng, X., (...), Yang, B., Li, A.2020Building and Environment 186,107363	2020	https://www-sciencedirect-com.am	6.456	7.46
434	Comparison of Mixing and Displacement Ventilation under Limited Space Air Stability Conditions in a Space Capsule Deng, X., Gong, G.2020Microgravity Science and Technology 32(4), pp. 749-759	2020	https://link-springer-com.am.e-nfor	1.982	2.98
435	Present state and future of environmental control systems in space CONSTANTINIDE, J., NAJAFI, H.2020ASHRAE Journal 62(7), pp. 12-16	2020	https://www-scopus-com.am.e-nfor	0.418	1.42
435	Preliminary numerical studies conducted for the numerical model of a real transpired solar collector with integrated phase changing materials Bejan A.-S., Croitoru C.V., Bode F. (2019) E3S Web of Conferences, 111 , art. no. 03047				
436	Mesh independency study for an unglazed transpired solar collector Open Access Berville, C., Tetang Fokone, A., Sima, C.I., Croitoru, C.V.2021IOP Conference Series: Earth and Environmental Science 664(1),012059	2021	https://www-scopus-com.am.e-nfor	0	1

436	Numerical model of a solar ventilated facade element: Experimental validation, final parameters and results Bejan A.-S., Bode F., Teodosiu C., Croitoru C.V., Nastase I. (2019) E3S Web of Conferences, 85 , art. no. 02013				
437	Mesh independency study for an unglazed transpired solar collector Open Access Berville, C., Tetang Fokone, A., Sima, C.I., Croitoru, C.V.2021IOP Conference Series: Earth and Environmental Science 664(1),012059	2021	https://www.scopus-com.am.e-nfor	0	1
437	Assessment of virtual thermal manikins for thermal comfort numerical studies. Verification and validation Croitoru C., Nastase I., Bode F., Cojocar G. (2019) E3S Web of Conferences, 111 , art. no. 02018				
438	Numerical investigation of the convective heat transfer coefficient for a sleeping infant in a ventilation roomJiang, S., Zhang, M., Wang, S., Li, J.2022Indoor Air 32(10),e13126	2022	https://onlinelibrary.wiley.com/doi/a	6.554	7.55
439	NUMERICAL SIMULATION OF TURBULENT AIRFLOW AND HEAT TRANSFER AROUND A SEATED THERMAL MANIKIN IN THE ROOM WITH MIXING	2022	https://www.scopus-com.am.e-nfor	0	1.00
439	Operating room ventilation with laminar air flow ceiling and a local laminar air flow system near the operating table for the patient Tacutu, L. , Nastase, I. , Bode, F.IOP Conference Series: Materials Science and Engineering, 2019, 609(3), 032014				
440	Laminar airflow ventilation systems in orthopaedic operating room do not prevent surgical site infections: a systematic review and meta-analysisOuyang, X., Wang, Q., Li, X., Zhang, T., Rastogi, S.2023Journal of Orthopaedic Surgery and Research 18(1),572	2023	https://0710e8dz7-y-https-www-sco	2.6	3.60
441	Virus-laden droplet nuclei in vortical structures associated with recirculation zones in indoor environments: A possible airborne transmission of SARS-CoV-2 Open Access Martínez-Espinosa, E., Carvajal-Mariscal, I.2023Environmental Advances 12,100376	2022	https://0710e8dz7-y-https-www-sco	0	1.00
441	Interaction between a local and a general ventilation system for an operating room with patient Tacutu, L; Nastase, I; (...); Croitoru, C 9th International Conference on Energy and Environment (CIEM) 2019 2019 INTERNATIONAL CONFERENCE ON ENERGY AND ENVIRONMENT (CIEM) , pp.348-353				
442	Controlling infectious airborne particle dispersion during surgical procedures: Why mobile air supply units matter? Tan, HY (Tan, Huiyi) [1] ; Wong, KY (Wong, Keng Yinn) [2] , [3] ; Othman, MHD (Othman, Mohd Hafiz Dzarfan) [4] ; Kek, HY (Kek, Hong Yee) [2] ; Tey, WY (Tey, Wah Yen) [5] ; Nyakuma, BB (Nyakuma, Bemgba Bevan) [6] ; Mong, GR (Mong, Guo Ren) [7] ; Kuan, GRY (Kuan, Garry) [8] , [9] ; Ho, WS (Ho, Wai Shin) [1] , [3] ; Kang, HS (Kang, Hooi Siang DOI10.1016/j.buildenv.2022.109489 BUILDING AND ENVIRONMENT	2022	https://www.webofscience.com/wos	7.4	8.40
442	Preliminary numerical studies for the improvement of the ventilation system of the crew quarters on board of the international space station Bode F., Nastase I., Croitoru C., Sandu M., Dogeanu A., Ursu I. (2018) INCAS Bulletin, 10 (2) , pp. 137-143.				
443	Performance evaluation of three attached ventilation scenarios for tiny sleeping spacesYin, H., Li, Y., Deng, X., (...), Yang, B., Li, A.2020Building and Environment 186,107363	2020	https://www.sciencedirect.com/scie	6.456	7.46
444	International financial institutions as subjects of the financial system of the stateSyroid, T., Kolomiets, Y., Kliuiev, O., Myrhorod-Karpova, V.2019Asia Life Sciences (2), pp. 153-164	2019	https://www.scopus-com.am.e-nfor	0	1.00
444	Experimental investigation of the performance of a transpired solar collector acting as a solar wall Bejan A.-S., Labihi A., Croitoru C.-V., Bode F., Sandu M. (2017) ISES Solar World Congress 2017 - IEA SHC International Conference on Solar Heating and Cooling for Buildings and Industry 2017, Proceedings, , pp. 1977-1986.				
445	Experimental investigation of transpired solar collectors with/without phase change materialsBejan, A.S., Teodosiu, C., Croitoru, C.V., Catalina, T., Nastase, I.2021Solar Energy 214, pp. 478-490	2021	https://www.sciencedirect.com/scie	7.188	8.19
445	Study of free surface flow in sewage pipes Iliescu M., Sandu M., Nastase I., Bode F., Iatan E. (2016) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2 , pp. 759-766.				
446	Advanced solutions to improve heat recovery from wastewater in a double heat exchanger Open Access Danca, P.A., Al Bayati, A., Nastase, I., (...), Terziev, A., Mijorsk, S.2023IOP Conference Series: Earth and Environmental Science 1128(1),012008	2023	https://0710e8dz7-y-https-www-sco	0	1.00
447	Preliminary results - Numerical Simulations for Heat Recovery System from WastewaterDanca, P.A., Albayati, A., Ivanov, M., Terziev, A., Mijorsk, S.2021Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www.scopus-com.am.e-nfor	0	1.00
448	Solutions for increasing the quality of hydro-technical building elements obtained by numerical simulation Open Access Fodorean, A., Cureu, A., Giurgiu, O., Opruța, D.2019E3S Web of Conferences 85,02011	2019	https://www.scopus-com.am.e-nfor	0	1.00
448	Impinging jet passive control for wall shear stress enhancement Sodjavi K., Montagne B., Bode F., Kristiawan M., Nastase I., Meslem A. (2014) Proceedings of the 15th International Heat Transfer Conference, IHTC 2014, 2014-January , pp. 1-14.				
449	Turbulence characteristics of radially-confined impinging jet flowsShekhar, C., Nishino, K.2019International Journal of Heat and Fluid Flow 75, pp. 278-299	2019	https://www.sciencedirect.com/scie	2.073	3.07

449	Analysis of numerical and experimental results of a solar glazed air collector configuration in Romania climate Sima C., Teodosiu C., Croitoru C., Bode F. (2021) IOP Conference Series: Earth and Environmental Science, 664 (1) , art. no. 012085				
450	Theory of a Glazed Transpired Solar Collector in Natural Convection Mode Ekoja, M., Onyegebu, S.O., Ekechukwu, O.V.2023 Journal of Solar Energy Engineering, Transactions of the ASME 145(2),021012	2023	https://asmedigitalcollection.asme.org	2.3	3.30
451	Mathematical Modelling of Unglazed Transpired Solar Collectors Pop, O.G., Berville, C.2021 Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021	2021	https://www.scopus-com.am.e-nfor	0	1.00
451	Numerical models development for unidirectional air flow diffusers with lobed and circular orifices Tacutu L., Nastase I., Bode F., Croitoru C., Lungu C. (2019) E3S Web of Conferences, 111 , art. no. 01049				
452	Environmental parameters assessment of a new diffuser for air cooling/heating system: Measurements and numerical validation Nardecchia, F., Pompei, L., Bisegna, F.2022 Building Simulation 15(6), pp. 1111-1132	2022	https://link.springer.com/article/10.1007/s12273-022-0812-1	5.5	6.50
452	Comparison of turbulence models in simulating a cruciform impinging jet on a flat wall Bode F., Sodjavi K., Meslem A., Nastase I. (2014) Proceedings of the 15th International Heat Transfer Conference, IHTC 2014,				
453	Numerical investigation of the fluid flow distribution for the hydrofluidisation food freezing method Stebel, M., Smolka, J., Palacz, M., Adamczyk, W., Piechnik, E.2020 International Journal of Thermal Sciences 151,106284	2020	https://www.sciencedirect.com/science/article/pii/S1286584220302844	3.788	4.79
453	Human CO2 generation rates in small enclosures for different test cases Georgescu, M.-R. , Nastase, I. , Meslem, A. Sandu, M. Bode, F. IOP Conference Series: Earth and Environmental Science, 2021, 664(1), 012006				
454	Experimental evaluation of the variation of human breathing flow parameters for multiple test subjects Open Access Georgescu, M.-R., Nastase, I.2023 IOP Conference Series: Earth and Environmental Science 1185(1),012010	2023	https://doi.org/10.1088/1755-1315/1185/1/012010	0	1.00
454	Investigation of the Air Layer Thickness Influence for a Novel Double Skin Transpired Solar Collector Berville, C. , Croitoru, C. , Bode, F. Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021, 2021				
455	Multi-objective optimization for comparative energy and economic analyses of a novel evacuated solar collector prototype (ICSSWH) under different weather conditions Barone, G., Buonomano, A., Forzano, C., Palombo, A.2023 Renewable Energy 210, pp. 701-714	2023	https://doi.org/10.1016/j.renene.2023.07.044	0	1.00
455	HEAT AND MASS TRANSFER ENHANCEMENT STRATEGIES BY IMPINGING JETS A Literature Review Bode, F; Patrascu, C and Nastase, I 2021 25 (4) , pp.2637-2652				
456	A review of the state-of-the-art nanofluid spray and jet impingement cooling Tyagi, P.K., Kumar, R., Mondal, P.K.2020 Physics of Fluids 32(12),0033503	2020	https://www.webofscience.com/doi/10.1063/1.5131111	3.521	4.52
456	Design of a small-scale experimental model of the international space station crew quarters for a PIV flow field study Georgescu M.-R., Nastase I., Meslem A., Sandu M., Bode F. (2019) E3S Web of Conferences, 111 , art. no. 01045				
457	Numerical and experimental study of the International Space Station crew quarters ventilation Georgescu, MR (Georgescu, Matei Razvan) [1] , [2] ; Meslem, A (Meslem, Amina) [1] ; Nastase, I (Nastase, Ilinca) [2] ; Sandu, M (Sandu, Mihnea) [2] DOI10.1016/j.jobte.2021.102714 JOURNAL OF BUILDING ENGINEERING	2021	https://www.webofscience.com/doi/10.1016/j.jobte.2021.102714	7.144	8.14
457	Local exhaust ventilation solutions for an industrial hall - Part 1 CFD analysis of the local exhaust systems Chitaru G.-M., Sandu M., Croitoru C.V., Bode F. (2019) E3S Web of Conferences, 85 , art. no. 02012				
458	A study of the source-sink system with uneven suction Open Access Davidov, A., Kareeva, J., Gabdrifikov, R.2020 IOP Conference Series: Materials Science and Engineering 890(1),012166	2020	https://www.scopus-com.am.e-nfor	0	1.00
458	Experimental investigations of the steady flow through an idealized model of a femoral artery bypass Giurgea, C. , Bode, F , Ioan Budiu, O , ... Banyai, D. , Damian, M. EPJ Web of Conferences, 2014, 67, 02031				
459	Analysis of Hemodynamic Effect on Different Stent Strut Configuration in Femoral Popliteal Artery during the Physical and Physiological Conditions Open Access Razhali, N.F., Taib, I., Nasir, N.F., (...), Darlis, N.I., Kareem, A.K.2022 Journal of Advanced Research in Applied Sciences and Engineering Technology 29(1), pp. 223-236	2022	https://doi.org/10.1088/1755-1315/1185/1/012010	0	1.00
459	Inovative ventilated envelope elements for solar heat recovery in low energy buildings Croitoru C.V., Bode F.I., Meslem MA, Nastase I. (2013) Proceedings of BS 2013: 13th Conference of the International Building Performance Simulation Association, , pp. 1210-1215.				
460	Thermal Evaluation of an Innovative Type of Unglazed Solar Collector for Air Preheating Open Access Croitoru, C., Nastase, I., Voicu, I., Meslem, A., Sandu, M.2016 Energy Procedia 85, pp. 149-155	2016	https://www.scopus-com.am.e-nfor	0	1.00
460	Survey Evaluation of the Indoor Environment Quality in a Large Romanian Hospital CROITORU, A VARTIRES, F BODE, A DOGEANU, INCAS BULLETIN (SEP 2013) DOI https://doi.org/10.13111/2066-8201.2013.5.3.5 Journal volume & issue pp. 45 – 52				

461	Comfort requirements versus lived experience: Combining different research approaches to indoor environmental quality S Willems, D Saelens, A Heylighen - Architectural Science Review, 2020 - Taylor & Francis	2020	https://www.tandfonline.com/doi/ab	1.99	2.99
462	Indoor environmental quality performance and occupants' satisfaction [IEQPOS] as assessment criteria for green healthcare building rating PS Nimlyat - Building and Environment, 2018 - Elsevier	2018	https://www.sciencedirect.com/scie	4.82	5.82
463	Appraisal of indoor environmental quality (IEQ) in healthcare facilities: A literature review PS Nimlyat, MZ Kandar - Sustainable Cities and Society, 2015 - Elsevier	2015	https://www.sciencedirect.com/scie	1.044	2.04
463	Conception of a simplified seated thermal manikin for CFD validation purposes Angel Dogeanu , Bode Florin, Alexandru Iatan , Cristiana Croitoru, Ilinca Nastase, Matrixrom RRIC, 2014				
464	Experimental analysis of mixing ventilation efficiency using a vortex diffuser: Comparison to a lobed multicone diffuser A Meslem, P Bragança, K Sodjavi - Science and Technology for the build environment, 2018 - Taylor & Francis	2018	https://www.tandfonline.com/doi/ab	1.199	2.20
465	Airflow characteristics and thermal comfort generated by a multi-cone ceiling diffuser with and without inserted lobes P Bragança, K Sodjavi, A Meslem, L Serres - Building and Environment, 2016 - Elsevier	2016	https://www.sciencedirect.com/scie	4.053	5.05
466	Passive control strategy for mixing ventilation in heating mode using lobed inserts P Bragança, K Sodjavi, A Meslem, I Nastase - Energy and Buildings, 2016 - Elsevier	2016	https://www.sciencedirect.com/scie	4.067	5.07
466	THERMAL COMFORT ASSESEMNT FOR DIFFERENT VENTILATION STRATEGIES USING A CFD APPROACH. Source: Mathematical Modeling in Civil Engineering . Dec2012, Issue 4, p36-44. 9p Author(s): VERONA CROITORU, CRISTIANA; NASTASE, ILINCA; BODE, FLORIN				
467	Human thermal comfort in passenger vehicles using an organic phase change material—an experimental investigation, neural network modelling, and optimization A Afzal, CA Saleel, IA Badruddin, TMY Khan... - Building and environment 2020 - Elsevier	2020	https://www.sciencedirect.com/scie	6.456	7.46
468	Effect of air flow rates on concurrent supply and exhaust kitchen ventilation system KW Yi, YI Kim, GN Bae - Indoor and Built Environment, 2016 -	2016	https://journals.sagepub.com/doi/at	1.181	2.18
468	Simple modeling of the solar seasonal thermal storage behavior PD Hiris, F Bode, OG Pop, MC Balan Solar Energy Conversion in Communities, 21-34, 2020				
469	Analytical modeling and validation of the thermal behavior of seasonal storage tanks for solar district heatingHiris, DP (Hiris, Daniel P.) [1] ; Pop, OG (Pop, Octavian G.) [1] ; Balan, MC (Balan, Mugar C.) [1]10.1016/j.egy.2022.07.113v ENERGY REPORTS	2022	https://www.webofscience.com/wos	4.937	5.94
470	Preliminary sizing of solar district heating systems with seasonal water thermal storage DP Hiris, OG Pop, MC Balan - Heliyon, 2022 - cell.com	2022	https://www.cell.com/heliyon/pdf/S2	4	5.00
470	RANS and LES models comparison for a cross-shaped jet flow with application in personalized ventilation, Florin Bode, Ilinca Nastase, Amina Meslem, and Cristiana Croitoru 33rd AIVC Conference " Optimising Ventilative Cooling and Airtightness for [Nearly] Zero-Energy Buildings, IAQ and Comfort", Copenhagen, Denmark, 10-11 October 2012				
471	Factors which influence the thermal comfort inside of vehicles By: Simion, Mihaela; Socaciu, Lavinia; Unguresan, Paula Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv Engn EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 472-480 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00
472	CFD prediction with LES for psycho acoustic relevance in ventilation By: Hodor, Victor; Birla, Dan; Nascutiu, Lucian; et al. Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engn, Fac Bldg Serv Engn EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 252-259 Published: 2016	2016	https://www.sciencedirect.com/scie	0	1.00
472	Comparative analysis of three research methods in the study of indirect evaporative cooling process BA Porumb, F Bode, GS Bălan, MC Bălan Journal of the Technical University–Sofia, Plovdiv branch, Bulgaria				
473	Potential of indirect evaporative cooling to reduce the energy consumption in fresh air conditioning applications B Porumb, M Bălan, R Porumb - Energy Procedia, 2016 - Elsevier	2016	https://www.sciencedirect.com/scie	0	1.00

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La articolele din 2022 si 2023, IF este cel de pe 2022.