

Fișa de evaluare îndeplinire criteriilor CNATDCU conf. OM 6129 / 2016

Nume: **TIUC** Prenume: **Ancuța-Elena**
Grad didactic: **Conferențiar universitar**

Anexa nr. 18. - COMISIA DE INGINERIA MEDIULUI
O.M. 6129/2016 publicat în M.O., Partea I, Nr. 123 bis din 15.02.2017

STANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE - DEZVOLTARE

Se definesc:

NT = număr total de articole în reviste ISI

FIC = factor de impact cumulat (suma factorilor de impact al revistelor la momentul susținerii publice a tezei de doctorat sau la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)

NP = număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)

NC = număr total de citări din baza SCOPUS sau ISI Web of Science, excluzându-se autocitățile

Verificare îndeplinire standarde minimale (cumulativ) pt. **Profesor/CSI:**

			Minimal	Realizat	Criteriu îndeplinit	Procent realizare
a)	NT	≥	25	27	DA	108.00%
b)	NP	≥	10	14	DA	140.00%
	NP cu IF>1		6	8	DA	133.33%
c)	FIC ¹	≥	20	48.90	DA	244.51%
d)	NC	≥	100	455	DA	455.00%

¹ În acest caz în calculul **FIC** se ține cont de factorul de impact la momentul înscrierii la concursul pentru ocuparea unei poziții didactice. Brevetele naționale (FI = 1) și Brevetele internaționale (FI = 3) intră în calculul FIC de la punctul c)

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A. Activitatea de cercetare

FI ≥ 1 = 8 FIC = 48.90 NP = 14 NT = 27

NT = număr total de articole în reviste ISI

NP = număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)

FIC = factor de impact cumulat (suma factorilor de impact al revistelor la momentul susținerii publice a tezei de doctorat sau la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)

1. Articole în reviste cotate ISI Web of Science (FIC=FI dacă autor principal, altfel FIC=FI/nr. autori)

Nr. Crt.	Articol ISI	Nr. Autori	FI An publicare	Autor principal	NP	FI An evaluare 2024*	FIC
1	Title: Acoustic Absorption Behavior of Boards Made from Multilayer Packaging Waste Author(s): Rancea, M, Nemes, O, Tiuc, AE* , Vasile, O Source: APPLIED SCIENS , Volume:16, Issue: 3, Article Number: 1206, Published: 2026. https://doi.org/10.3390/app16031206	4	2.500	DA	1	2.500	2.50
2	Title: Antimicrobial PLA-Based Composite Gels with Improved Functional Properties for Food Packaging Author(s): Sarosi, I.; Paltinean, G.A.; Moldovan, A.; Cuc, S.; Carpa, R.; Sarosi, C.; Doukeh, R.; Tiuc, A.-E. ; Nemes, O Source: Gels , Volume:12, Article Number: 194, Published: 2026 https://doi.org/10.3390/gels12030194	9	5.300	NU	0	5.300	0.59
3	Title: Sustainable Approach to Achieve New Green Solutions for the Construction Industry Author(s): Tamas-Gavrea, DR, Itoan, R, Tiuc, AE* , Dénes, TO, Manea, DL, Ciorita, , Vasile, O Source: SUSTAINABILITY , Volume:16, Issue: 23, Article Number: 10556, Published: 2024 WOS:001377902200001 https://doi.org/10.3390/su162310556	7	3.300	DA	1	3.300	3.30
4	Title: Mycelium-Based Composites as a Sustainable Solution for Waste Management and Circular Economy Author(s): Barta DG, Simion, I, Tiuc, AE* ; Vasile, O; Source: MATERIALS , Volume:17, Issue: 2, Article Number: 404, Published: 2024 WOS:001151064400001 https://doi.org/10.3390/ma17020404	4	3.400	DA	1	3.200	3.20
5	Title: New Composite Materials Made from Rigid/Flexible Polyurethane Foams with Fir Sawdust: Acoustic and Thermal Behavior Author(s): Tiuc, AE ; Borlea, SI; Nemes, O; Vermesan, H; Vasile, O; Popa, F; Pinto, R Source: POLYMERS , Volume: 14, Issue: 17, Article Number: 3643, Published: 2022, WOS:000851686300001 https://doi.org/10.3390/polym14173643	7	4.967	DA	1	4.900	4.90
6	Title: The Influence of Process Parameters on the Mechanical Behavior of a Composite Material Made From Mixed Plastic Wastes Author(s): Platon, MA; Nemes, O; Tiuc, AE ; Vilau, C; Dudescu, CM; Paduretu, S Source: ARCHIVES OF METALLURGY AND MATERIALS , Volume: 67, Issue: 4, Pages: 1235-1241, Published: 2022 https://10.24425/amm.2022.141047	6	0.633	NU	0	0.700	0.12
7	Title: Development of New Composite Products Based on Flax Fibres Author(s): Tamas-Gavrea, D.-R.;Istoan, R.; Tiuc, A.E. ; Dénes, T.-O.;Vasile, O.; Constantinescu, H. Source: COATINGS , Volume: 11 Pages: 551 Published: 2021 https://doi.org/10.3390/coatings11050551	6	2.33	NU	0	2.800	0.47
8	Title: Casting over Metal Method Used in Manufacturing Hybrid Cobalt-Chromium Dental Prosthetic Frameworks Assembles Author(s): Uriciuc, W.A.; Vermesan, H.*; Tiuc, A.E. ; Ilea, A.; Bosca, A.B.; Popa, C.O. Source: MATERIALS , Volume: 14, Issue: 3, 539, Published: 2021 WOS: 000615381900001 https://doi.org/10.3390/ma14030539 .	6	3.057	NU	0	3.200	0.53
9	Title: Perspectives of Circular Economy in Romanian Space Author(s): Vermeşan H., Mangau, A., Tiuc A.-E.* Source: SUSTAINABILITY , Volume: 12, Issue: 1, Article Number: 74, Published: 2020, WOS:000569589800001 https://doi.org/10.3390/su12176819 .	3	2.576	DA	1	3.300	3.30
10	Title: Innovative Use of Sheep Wool for Obtaining Materials with Improved Sound-Absorbing Properties Author(s): Borlea (Muresan) I.S., Tiuc A.E.* , Nemeş, O.*, Vermesan, H., Vasile, O. Source: MATERIALS , Volume: 13 Issue: 2 Pages: 694-707 Published: 2020 WOS: 000515503100201 https://doi.org/10.3390/ma13030694	5	2.972	DA	1	3.120	3.12
11	Title: Advanced Recovery Techniques for Waste Materials from IT and Telecommunication Equipment Printed Circuit Boards Author(s): Vermeşan H., Tiuc A.-E.* , Purcar M. Source: SUSTAINABILITY , Volume: 12, Issue: 1, Article Number: 74, Published: 2020, WOS:000521955600074 https://doi.org/10.3390/su12010074	3	2.592	DA	1	3.300	3.30

12	Title: A Novel Acoustic Sandwich Panel Based on Sheep Wool Author(s): Tămaş-Gavrea D.R., Dénes T.O., Iştoan R., Tiuc A.E. , Manea D.L., Vasile O. Source: COATINGS , Volume: 10 Issue: 2 Article Number: 148 Published: 2020 WOS:000522487300059 https://doi.org/10.3390/coatings10020148	6	2.330	NU	0	2.800	0.47
13	Title: Qualitative Analysis Of Filters For The Mechanical Nanofiltration Of Household Drinking Water Author(s): Crişan O.A., Pustan M.S., Birleanu C.J., Tiuc A.E. , Sur I., Crişan H.G., Şerdean F.M., Flămînd L., Rusu T., Source: STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA , Volume: 65 Issue: 1 Pages: 253-266 Published: 2020 WOS:000526912600021 https://10.24193/subbchem.2020.1.20	9	0.275	NU	0	0.500	0.06
14	Title: New sound absorbent composite materials based on sawdust and polyurethane foam Author(s): Tiuc A.E. , Nemeş O., Vermeşan H., Toma A.C. Source: COMPOSITES PART B-ENGINEERING Volume: Issue: 165 Pages: 120-130 Published: 2019 WOS: 000462803100011 https://doi.org/10.1016/j.compositesb.2018.11.103	4	6.864	DA	1	14.200	14.20
15	Title: New sound absorbing materials obtained from waste rigid polyurethane foam Author(s): Tiuc A.E. , Nemeş, O.*, Vermesan, H.*, Tamas-Gavrea, D.-R., Vasile, O. Source: MATERIALE PLASTICE Volume: 56 Issue: 4 Pages: 1021-1027 Published: 2019 WOS: 000509920700050 https://doi.org/10.37358/MP.19.4.5301	5	1.393	DA	1	0.700	0.70
16	Title: Experimental Setup For Analysis Of Drain Water Heat Recovery System In Civil Buildings Author(s): Gabor T., Dan V., Badila I.N., Tiuc A.E. , Sur I.M. Source: JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY Volume: 20 Issue: 4 Pages: 1960-1969 Published: 2019 WOS:000510868400038	5	0.634	NU	0	0.507	0.10
17	Title: Sound Absorbing Insulating Composites Based on Polyurethane Foam and Waste Materials Author(s): Tiuc A.E. , Vasile O., Vermeşan H., Platon M.A. Source: MATERIALE PLASTICE Volume: 55 Issue: 3 Pages: 419-422 Published: SEP 2018 WOS:000452711500035 https://doi.org/10.37358/MP.18.3.5041	4	1.393	DA	1	0.700	0.70
18	Title: Improving The Energy Efficiency Of Residential Buildings By Using A Drain Water Heat Recovery System Author(s): Gabor T., Dan V., Badila I.N., Tiuc A.E. , Sur I.M. Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 16 Issue: 7 Pages: 1631-1636 Published: 2017 WOS:000415722600023 https://10.30638/eeemj.2017.176	5	1.096	NU	0	0.900	0.18
19	Title: Electrochemical impedance spectroscopy study - evolution modeling of corrosion products layer formed at hot dip galvanized rebar–fresh concrete interface Author(s): Rus V., Vermeşan H., Hegyi A., Tiuc A.E. Source: REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS Volume: 46 Issue: 2 Pages: 196-203 Published: 2016 WOS:000378101800008	4	0.612	NU	0	0.500	0.13
20	Title: Modeling and simulation of heat transfer processes for heat exchangers with heat pipes used for recovering heat from wastewater Author(s): Gabor T., Dan V., Tiuc A.E. , Sur I.M., Badila I.N. Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 15 Issue: 5 Pages: 1027-1033 Published: 2016 WOS: 000381274100011 https://10.30638/eeemj.2016.113	5	1.008	NU	0	0.900	0.18
21	Title: Recovery Of Sawdust And Particles Of Recycled Rubber By Making Them Into Sound Absorbing Materials Author(s): Tiuc A.E. , Dan V., Vermeşan H., Gabor T., Proorocu M. Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 15 Issue: 5 Pages: 1093-1101 Published: 2016 WOS:000381274100020 https://10.30638/eeemj.2016.122	5	1.008	DA	1	0.900	0.90
22	Title: Kinetics of the corrosion process of hot dip galvanized steel reinforcement in fresh concrete Author(s): Rus V., Hegyi A., Vermeşan H., Tiuc A.E. Source: STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA Volume: 60 Issue: 2 Pages: 409-419 Published: 2015 WOS:000369161800038	4	0.148	NU	0	0.500	0.13
23	Title: Thermal behaviour of polyurethane matrix composite materials Author(s): Tiuc A.E. , Nemeş, O., Perhaiţa, I., Vermeşan, H., Gabor, T., Dan, V. Source: STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA Issue 2 , pp. 169-176, Published: 2015 WOS: 000369161800016	6	0.148	DA	1	0.500	0.50
24	Title: Continuous Flow Waste Water Purification With Immobilized Cells Author(s): Todea D.A., Tonk S., Tiuc A.E. , Török A., Mânzatu C., Katona G., Majdik C. Source: STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA Volume: 58 Issue: 3 Pages: 135-141 Published: 2013 WOS:000342728300015	7	0.136	NU	0	0.500	0.07
25	Title: Efficient Degradation of Phenol with Pseudomonas Putida Cells for the Production of Pure Water Author(s): Todea D.A., Tonk S., Tiuc A.E. , Török A., Mânzatu C., Katona G., Majdik C. Source: STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA Volume: 58 Issue: 3 Pages: 125-133 Published: 2013 WOS:000342728300014	7	0.136	NU	0	0.500	0.07

26	Title: Using particles of recycled rubber when making some soundproofing materials Author(s): Borlea (Tiuc) A. , Rusu T., Vasile O. Source: MATERIALE PLASTICE Volume: 49 Issue: 4 Pages: 275-278 Published: 2012 WOS:000313149100010	3	0.379	DA	1	0.700	0.70
27	Title: Determinarea Proprietăților Fonoabsorbante Ale Unor Noi Materiale Compozite Realizate Din Deșeuri [Determination of the sound absorption properties of some new composite materials obtained from wastes] Author(s): Borlea (Tiuc) , A.E., Rusu, T., Ionescu, S., Nemeș, O. Source: REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS , Volume 42 (4) , pp. 405-414, Published: 2012 WOS: 000313318800012	4	0.610	DA	1	0.500	0.50

2. Brevete de inventie

Internationale - FI = 3/brevet

Nr. Crt.	Brevet	Nr. Autori	FIC
1.	-	-	0

Nationale - FI = 1/brevet

Nr. Crt.	Brevet	Nr. Autori	FIC
1.	Title: RO129228-B1 - Procedeu de Obținere a unui Material Compozit Fonoabsorbant. Author(s): Ancuta Elena Tiuc , Tiberiu Rusu, Nemes Ovidiu, Granted: 2015	3	1
2.	Title: RO133261-B1 - Panou Compozit Multistrat Și Procedeu de Obținere a Acestuia Author(s): Tămaș-Gavrea Daniela-Roxana, Iștoan Raluca, Tiuc Ancuța Elena , Granted: 2020	3	1
3	Title: RO136050-B1 -Material cu proprietăți fonoabsorbante din lână de oaie cu spumă poliuretanică și procedeu de obținere a acestuia Author(s): Nemes Ovidiu, Ancuta Elena Tiuc , Muresan Ioana, Deak Gyorgy, Granted: 2024	4	1
4	Title: RO135991-B1 - Panou modular pe baza de lana de oaie si procedeu de obtinere a acestuia Author(s): Denes Tunde-Orsolya, Tămaș-Gavrea Daniela-Roxana, Iștoan Raluca, Tiuc Ancuța Elena , Manea Daniela Lucia, Ovidiu Vasile, Granted: 2024	6	1

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B. Citări în reviste ISI Thomson Reuters (se exclud autocitările)

Nr. crt.	Articol citat (autori, titlul, revista, vol., nr., an, pag.)	Articol articol in care este citata lucrarea (autori, titlul, revista, vol., nr., an, pag.)	Nr. Citare
1	Borlea (Tiuc) Ancuța , Rusu T., Vasile O., Using particles of recycled rubber when making some soundproofing materials, Materiale Plastice, vol. 49, nr.4, pp. 275-278, 2012.	Nasir, MRJ, Zulkepli, NN , Abdullah, MMA, Omar, MF, Ismail, H, Sandu, AV , The Effects of Different Particle Sizes of Recycled Acrylonitrile Butadiene Rubber and its Blend Ratios on Mechanical and Morphological Properties of vNBR/rNBR Blends, Materiale Plastice Volume: 51 Issue: 2 Pages: 201-204 Published: 2014	1
2	Borlea (Tiuc) Ancuța , Rusu T., Ionescu S., Nemeș O., Determination of sound absorption properties of some new composite materials obtained from wastes, Revista Română de Materiale /Romanian Journal of Materials, vol.42, nr.4, pp. 405-414, 2012.	Daniela Laura Buruiana, Marian Bordei, Ioan Gabriel Sandu, Andreea Irina Chirculescu, Ion Sandu, Recycling Waste Grit in Mix Asphalt, Materiale Plastice Volume: 50 Issue: 1 Pages: 36-39 Published: 2013.	2
		Daniela Laura Buruiana, Marian Bordei, Ioan Gabriel Sandu, Andreea Irina Chirculescu, Ion Sandu, Studies on Grit Use in Asphalt Mixtures (II), Materiale Plastice Volume: 50 Issue: 2 Pages: 113-118 Published: 2013.	3
		Ivanova, Y., Vassilev, V., Djondjorov, P. , Djoumalisky, S. , Experimental-theoretical approach to the identification of effective sound attenuation panels from recycled materials, Bulgarian Chemical Communications, Volume 47, 2015, Pages 443-450	4
		Daniela-Roxana Tămaș-Gavrea, Constantin Munteanu, Raluca Fernea (Iștoan), Adrian Loghin, Acoustic optimization of a music practice classroom, Procedia Manufacturing, Volume 32, 2019, Pages 167-170, https://www.sciencedirect.com/science/article/pii/S235197891930232X	5
		Nitu, SA; Sporea, N; Iatan, R; Durbaca, I; Vasile, O; Ciocoiu, GC, Research on Obtaining Biocomposite Structures with Sound Absorbing Properties, MATERIALE PLASTICE, 2022, 59, 1.	6
		Amalia Mihaela Iurian, Ioana Perhaița, Raluca Șeptelean, Alina Saponar, Wood Fibers Characterization By TGA Analysis, , Studia UBB Chemia, LVIII, 1, 2013 ,p. 141 – 149.	7
3	Rus V., Hegyi A., Vermeșan H., Tiuc A.E. , Kinetics of the corrosion process of hot dip galvanized steel reinforcement in fresh concrete, Studia Universitatis Babeș-Bolyai Seria Chemia, LX, 2, Tom II, p. 409-419, 2015.	Yilmaz, Nazire Deniz; Powell, Nancy B., Biocomposite Structures As Sound Absorber Materials, Green Biorenewable Biocomposites: From Knowledge To Industrial Applications, Published: 2015, Pages: 161-198 .	8
		Daniela-Roxana Tămaș-Gavrea, Constantin Munteanu, Raluca Fernea (Iștoan), Adrian Loghin, Acoustic optimization of a music practice classroom, Procedia Manufacturing, Volume 32, 2019, Pages 167-170, https://www.sciencedirect.com/science/article/pii/S235197891930232X	9
		Durbaca, I., Sporea, N., Vasile, O., Assessment of the Acoustic Absorption Characteristics of Layered Composite Structures Obtained from Plates with Lignocellulosic Coatings (I), 2020, Materiale Plastice, 57(2), pp. 8-14	10
4	Tiuc A.E. , Dan V., Vermeșan H., Gabor T., Proorocu M., Recovery Of Sawdust And Particles Of Recycled Rubber By Making Them Into Sound Absorbing Materials, Environmental Engineering and Management Journal, Vol.15, No. 5, 1093-1101, 2016.	Jacek Kołodziej, Mariusz Jaśniok, Polarization tests concerning chloride impact on protective zinc coatings applied on reinforcing steel in curing concrete, Ochrona przed Korozją, ISSN 0473-7733, e-ISSN 2449-9501, vol. 60, nr 10/2017 OCHRONA PRZED KOROZJĄ Volume: 60 Issue: 10 Pages: 330-334 Published: OCT 2017	11
		TJacek Kołodziej, Mariusz Jaśniok, Corrosion of steel rebar in concrete induced by chloride ions under natural environments, CONSTRUCTION AND BUILDING MATERIALS, Vol. 369, Article Number 130504, 2023, DOI10.1016/j.conbuildmat.2023.130504	12
4	Tiuc A.E. , Dan V., Vermeșan H., Gabor T., Proorocu M., Recovery Of Sawdust And Particles Of Recycled Rubber By Making Them Into Sound Absorbing Materials, Environmental Engineering and Management Journal, Vol.15, No. 5, 1093-1101, 2016.	Xinwu Xu, Huixiang Wang, Yan Sun, Jingquan Han, Runzhou Huang, Xianxu Zhan, Sound absorbing properties of perforated composite panels of recycled rubber, fiberboard sawdust, and high density polyethylene, Journal of Cleaner Production, Volume 187, 20 June 2018, Pages 215-221,	13
		Kun Wang, Xiong Yan, Performance analysis of ethylene-propylene diene monomer sound-absorbing materials based on image processing recognition, EURASIP Journal on Image and Video Processing, 2018:128, https://doi.org/10.1186/s13640-018-0372-9	14
		Simionescu, Tudor Mihai; Spiridon, Iuliana; Varganici, Cristian Dragos; et al., An Experimental Study On Mechanical And Thermal Behavior Of Acrylonitrile Butadiene Styrene Enhanced With Fire Retardants, Environmental Engineering And Management Journal Volume: 19 Issue: 5 Pages: 773-783 Published: MAY 2020, WOS:000555511300006	15

		Shiu, BC; Huang, CH, Lin, JH, Construction Sheets Made of High-Performance Flame-Retardant Nonwoven Fabrics and Combustion-Resistant Polyurethane Foam: Preparation Process and Property Evaluations, POLYMERS, Volume15, Issue4, 2023, DOI10.3390/polym15040953, Article Number 953	16
		Olaiya, BC; Lawan, MM, Olonade, KA, Utilization of sawdust composites in construction-a review, SN APPLIED SCIENCES Volume5, Issue 5, DOI10.1007/s42452-023-05361-4, Article Number 140, Published MAY 2023	17
5	Gabor T., Dan V., Badila I.N., Tiuc A.E. , Sur I.M., Improving The Energy Efficiency Of Residential Buildings By Using A Drain Water Heat Recovery System, Environmental Engineering & Management Journal, Vol. 16, Issue 7, p.1631-1636, 2017.	Găină, Alexandra Alisa; Nicuță, Ana, Numerical Simulation Of Relative Humidity In A Masonry Wall Applying Three Different Waterproofing Membranes, Environmental Engineering & Management Journal, Vol. 17 Issue 12, p2781-2788, 2018.	18
		G Năstase, A Șerban, EXPERIMENTAL STUDY ON CO2 CAPTURE IN A RESIDENTIAL SPACE, Environmental Engineering & Management Journal, 2019, Vol. 18 Issue 5, p1001-1011.	19
		N Diaz-Elsayed, N Rezaei, A Ndiaye, Q Zhang, Trends in the environmental and economic sustainability of wastewater-based resource recovery: A review, Journal of Cleaner Production, in press, 2020, https://doi.org/10.1016/j.jclepro.2020.121598	20
		Faris Nasif Alshubiri, Omar Ikbal Tawfik & Syed Ahsan Jamil, Impact of petroleum and non-petroleum indices on financial development in Oman, Financial Innovation volume 6, is 1, Article number: 15 (2020)	21
		Energy Retrofit in European Building Portfolios: A Review of Five Key Aspects By: Ruggeri, Aurora Greta; Gabrielli, Laura; Scarpa, Massimiliano SUSTAINABILITY Volume: 12 Issue: 18 Article Number: 7465 Published: SEP 2020 WOS:000584323500001	22
		EXPERIMENTAL ANALYSIS OF INNOVATIVE HEAT EXCHANGER WITH UNIFORM HEAT FLUX USED IN HEAT PUMPS SYSTEMS By: Hudisteanu, Sebastian Valeriu; Popovici, Catalin George; Verdes, Marina; et al. ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 19 Issue: 12 Pages: 2231-2240 Published: DEC	23
		An assessment of the influence of local conditions on the economic and environmental sustainability of drain water heat recovery systems, By: Ravichandran, Anusha; Diaz-Elsayed, Nancy; Thomas, Sylvia; et al., JOURNAL OF CLEANER PRODUCTION Volume: 279 Article Number: 123589 Published: JAN 10 2021 WOS:000595856600011	24
6	Tiuc A.E. , Vasile O., Vermeșan H., Platon M.A., Sound Absorbing Insulating Composites Based on Polyurethane Foam and Waste Materials, Materiale Plastice, vol.55, No.3, 2018.	Grigorescu, Ramona Marina; Grigore, Madalina Elena; Ghioca, Paul; et al., Waste Electrical and Electronic Equipment Study regarding the plastic composition, MATERIALE PLASTICE Volume: 56 Issue: 1 Pages: 77-81 Published: MAR 2019	25
		Jia, X; Chen, MX; Jiang, XL; You, F; Yao, C, Preparation and Modification of Flexible Polyurethane Foam for Effective Flame Resistance and Sound Absorption, MATERIALE PLASTICE, 2024, 61, 1, 10.37358/MP.24.1.5708, WOS:001246402700001	26
		Rashid, ME; Khan, MR; Ul Haque, R; Hasanuzzaman, MChallenges of textile waste composite products and its prospects of recyclingJOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT, 2023, 25, 3, 10.1007/s10163-023-01614-x, WOS:000940300600002	27
		Yang, X; Fan, W; Wang, H; Shi, Y; Wang, SJ; Liew, RK; Ge, SB, Recycling of bast textile wastes into high value-added products: a review, ENVIRONMENTAL CHEMISTRY LETTERS, 2022, 20, 6, 10.1007/s10311-022-01484-z, WOS:000840582800001	28
		Kim, BS; Choi, J; Park, YS; Qian, YJ; Shim, SE, Semi-Rigid Polyurethane Foam and Polymethylsilsesquioxane Aerogel Composite for Thermal Insulation and Sound Absorption, MACROMOLECULAR RESEARCH, 2022, 30, 4,10.1007/s13233-022-0026-8, WOS:000789083400004	29
		Danihelová, A; Scensny, P; Gergel', T; Ondrejka, V; Nemec, M; Igaz, R; Stefko, J; Mitterová, I, Influence of Flame Retardant Impregnation on Acoustic and Thermophysical Properties of Recycled Technical Textiles with the Potential for Use in Wooden Buildings, POLYMERS, 2021, 13,16, 2598,10.3390/polym13162598, WOS:000690038400001	30
		Sakthivel, S; Kumar, SS; Melese, B; Mekonnen, S; Solomon, E; Edae, A; Abedom, F; Gedilu, M, Development of nonwoven composites from recycled cotton/polyester apparel waste materials for sound absorbing and insulating properties, APPLIED ACOUSTICS, 2021, 180, 108126, 10.1016/j.apacoust.2021.108126	31

7	Tiuc A.E. , Nemeş O., Perhaița I., Vermeşan H., Gabor T., Dan V. , Thermal behaviour of polyurethane matrix composite materials, Studia Universitatis Babes-Bolyai Chemia, 60 (2), 169-176, 2015.	Luca, Alina Costina, Duceac, Letitia Doina, Mitrea, Geta ; Ciuhodaru, Madalina Irina, Ichim, Daniela Luminita, Baci, Ginel, Banu, Elena Ariela, Iordache, Alin Constantin, Antibiotic Encapsulated Nanomaterials with Application in Medical Area, MATERIALE PLASTICE, Volume: 55 Issue: 4 Pages: 552-554, Published: DEC 2018 http://www.revmaterialeplastice.ro/pdf/LUCA%20A%204%2018.pdf	32
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