

Fisa de evaluare conf. OM 6129 / 2016

Nume si prenume **Mihai S. GABOR**

Departamentul de Fizică și Chimie/ Facultatea de Ingineria Materialelor și a Mediului

Domeniul: Ingineria Materialelor

Îndeplinire condiții minimale A1, A2 si A3

Nr.crt.	Domeniul de activitate	PUNCTAJ	Min. Prof	Criteriu îndeplinit
1	Activitatea didactică / profesională (A1)	93.38	60	DA
2	Activitatea de cercetare (A2)	2185.42	320	DA
3	Recunoaștere și impactul activității (A3)	4106.70	120	DA
TOTAL PUNCTAJ		6385.50	500	DA
Scor candidat		12.77		

Îndeplinire condiții legate de criteriile numerice minimale

Nr. criteriu	Criterii numerice minimale	Minimum	Realizat				Criteriu indeplinit
1.1.1	Carti/capitole ca autor	2, din care 1 ca prim autor	Total		Prim autor		DA
			3		1		
1.2.1	Suport didactic (Manuale didactice, monografii, inclusiv electronice)	2, din care 1 ca prim autor	3		2		DA
2.1.1	Articole ISI si ISI proceeding	15, din care min. 10 in reviste ISI, din care min. 5 cu FI>=1 si min. 5 autor principal cu FI>=0.5	Total ISI+ISI proceedings	ISI	ISI cu FI>=1	ISI autor princ., FI>=0.5	DA
			97	90	89	29	
2.4.1	Director/Responsabil grant cercetare	2, din care 1 director	Total	Respon. partener	Director		DA
			4	0	4		
3.1.	Citari in reviste ISI Thomson (se exclud autocitarile)	30	1341				DA

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Activitatea didacica si profesionala (A1)

A1.1 Carti si capitole in carti de specialitate
A1.1.1.1 Carti/capitole ca autor, internationale

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Nr. Autori	Nr. Pag.	Indicator (kpi)
1	L. Ciontea, M.S. Gabor, T. Petrisor Jr., T. Ristoiu, C. Tiusan and T. Petrisor	Chapter.V: Characterization of Complex Spintronic and Superconducting Structures by Atomic Force Microscopy Techniques în "SCANNING PROBE MICROSCOPY – PHYSICAL PROPERTY CHARACTERIZATION AT NANOSCALE",	Edited by Vijay Nalladega, Publised by InTech, Rijeka, Croatia , ISBN 978-953-51-0576-3	2012	6	26	2.17
TOTAL A1.1.1.1							2.17

A1.1.1.2 Carti/ capitole ca autor, nationale

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Nr. Autori	Nr. Pag.	Indicator (kpi)	Prim autor (DA=1, NU=0)
1	C. Tiusan, M. Gabor, T. Petrisor Jr	Mecanica cuantică prin aplicații.	UTPRESS, Cluj-Napoca, ISBN 978-973-662-824-5	2013	3	258	17.20	0
2	M.S. Gabor	Capitolul I : Anizotropia magnetică în filme subțiri în "Filme subțiri: Creștere și proprietăți", de M.S. Gabor, M. Nășui, T. Petrisor jr., R.B. Sohner	UTPRESS Cluj - Napoca, ISBN 978-606-737-751-4	2025	1	53	10.60	1
TOTAL A1.1.1.2							27.80	
Total prim autor								1

A1.1.2.1 Carti /capitole ca editor, internationale

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Nr. Editori	Nr. Pag.	Indicator (kpi)
1							
TOTAL A1.1.2.1							0.00

A1.1.2.2 Carti/capitole ca editor, nationale

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Nr. Editori	Nr. Pag.	Indicator (kpi)
					1	0	0.00
TOTAL A1.1.2.2							0.00

A1.2 Manuale didactice / Lucrari didactice
A1.2.1.Manuale didactice / Monografii

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Nr. Autori	Nr. Pag.	Indicator (kpi)	Prim autor (DA=1, NU=0)
1	Mihai S. Gabor	Fizică I	UTPRESS, Cluj-Napoca, ISBN 978-606-737-759-0	2025	1	256	25.60	1
2	Mihai S. Gabor	Fizică II	UTPRESS, Cluj-Napoca, ISBN 978-606-737-760-6	2025	1	346	34.60	1
TOTAL A1.2.1							60.20	0
Total prim autor								2

A1.2.2.Indrumatoare de laborator/aplicatii

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Nr. Autori	Nr. Pag.	Indicator (kpi)
1	C. Tiusan, T. Petrisor Jr, M. Gabor	"Micro și Nanotehologii. Îndrumător de laborator. Tehnici de fabricare și caracterizare a filmelor subțiri cu aplicații în microelectronică"	UTPRESS, Cluj-Napoca, ISBN 978-973-662-825-2	2013	3	193	3.22
TOTAL A1.2.2							3.22
TOTAL A1							93.38

Activitatea de cercetare (A2)

A2.1 Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings
Articole in reviste cotate ISI

Nr.	Autori	Titlu, revista, vol, nr., an, pag, DOI	Factor de Impact	Nr. Autori	Indicator (kpi)	Autor principal (min. 15)
						DA=1; NU=0
1	Xu, Zhewen and Palm, Marius L. and Huxter, William and Herb, Konstantin and Abendroth, John M. and Bouzehouane, Karim and Boule, Olivier and Gabor, Mihai S. and Larranaga, Joseba Urrestarazu and Morales, Andrea and Rhensius, Jan and Puebla-Hellmann, Gabriel and Degen, Christian L.	Minimizing Sensor-Sample Distances in Scanning Nitrogen-Vacancy Magnetometry, ACS NANO, vol. 19, issue 8, 2025, pp.8255-8265, DOI: 10.1021/acsnano.4c18460	15.8	13	60.77	0
2	Elena M. Ștețco, Traian Petrișor Jr., Ovidiu A. Pop, Mohamed Belmeguenai, Ioan M. Miron, and Mihai S. Gabor	Diode and Selective Routing Functionalities Controlled by Geometry in Current-Induced Spin–Orbit Torque Driven Magnetic Domain Wall Devices, Nano Lett. , vol. 24,issue 44, 2024, pp. 13991–13997, DOI: 10.1021/acs.nanolett.4c03339	9.6	6	80.00	1
3	Djoudi Ourdani, N. Challab, Yves Roussigné, Salim Mourad Chérif , Mihai Sebastian Gabor, and Mohamed Belmeguenai	Temperature dependence and capping and underlayer layers effect on the interfacial magnetic properties of Ir/Fe- or Pt/Fe-based systems, Phys. Rev. B, vol.109, issue 21, 2024, pp. 214426, DOI: 10.1103/PhysRevB.109.214426	3.2	6	26.67	1
4	M. S. Gabor, M. Belmeguenai, and I. M. Miron	Bulk and interface spin-orbit torques in Pt/Co/MgO thin film structures, Phys. Rev. B, vol.109, issue 10, 2024, pp. 104407, DOI:10.1103/PhysRevB.109.104407	3.2	3	53.33	1
5	Djoudi Ourdani, Yves Roussigné, Salim Mourad Chérif , Mihai Sebastian Gabor, and Mohamed Belmeguenai	Thickness dependence of magnetic properties of Ir/FeV-based systems, Phys. Rev. Mater., vol.7, issue 3, 2023, pp. 034408, DOI: 10.1103/PhysRevMaterials.7.034408	3.1	5	31.00	1
6	Nabil Challab, Yves Roussigné, Salim Mourad Chérif, Mihai Gabor, Mohamed Belmeguenai	Magnetic Damping and Dzyaloshinskii–Moriya Interactions in Pt/Co2FeAl/MgO Systems Grown on Si and MgO Substrates, Materials, vol. 16, issue 4, 2023, pp. 1388, DOI: 10.3390/ma16041388	3.1	5	31.00	0
7	Florin Popa, Traian Florin Marinca, Bogdan Viorel Neamțu, Mihai Gabor, Ionel Chicinaș	Structural, Chemical and Magnetic Characterization of Quartz Sand from Cluj Area, Romania for Future Beneficiation in the Glass Industry, Materials, vol. 15, issue 24, 2022, pp. 9026, DOI: 10.3390/ma15249026	3.4	5	34.00	0
8	Rohit Pachat, Djoudi Ourdani, Maria-Andromachi Syskaki, Alessio Lamperti, Subhajit Roy, Song Chen, Adriano Di Pietro, Ludovic Largeau, Roméo Juge, Maryam Massouras, Cristina Balan, Johannes Wilhelmus van der Jagt, Guillaume Agnus, Yves Roussigné, Mihai Gabor, Salim Mourad Chérif, Gianfranco Durin, Shimpei Ono, Jürgen Langer, Damien Querloz, Dafiné Ravelosona, Mohamed Belmeguenai, Liza Herrera Diez	Magneto-Ionics in Annealed W/CoFeB/HfO2 Thin Films, Adv. Mater. Interfaces, vol. 9, issue 36, 2022, pp. 2200690, DOI: 10.1002/admi.202200690	5.4	23	11.74	0
9	Djoudi Ourdani, Mohamed Belmeguenai, Mihai Gabor, Andrey Stashkevich, Yves Roussigné	Theoretical Investigation of Skyrmion Dynamics in Pt/Co/MgO Nanodots, Materials, vol. 15, issue 21, 2022, pp. 7474, DOI: 10.3390/ma15217474	3.4	5	34.00	0
10	D Ourdani, Y Roussigné, SM Chérif, MS Gabor, M Belmeguenai	Correlation between interface perpendicular magnetic anisotropy and interfacial Dzyaloshinskii–Moriya interactions in Pt/Pd(t Pd)/Co(t Co)/Au, J. Phys. D: Appl. Phys., vol. 55, no. 48, 2022, pp. 485004, DOI: 10.1088/1361-6463/ac9487	3.4	5	34.00	1
11	Bogdan Viorel Neamțu, Florin Popa, Ecaterina Ware, Traian Florin Marinca, Mihai Sebastian Gabor, Florin Pop Piglesan, Mircea Nasui	Hydrothermal Deposition of ZnO Layer on Fe-Based Amorphous Fibres Used for the Preparation of Cold Sintered Fibre-Based Soft Magnetic Composites, Coatings, vol. 12, issue 10, 2022, pp. 1527, DOI:10.3390/coatings12101527	3.4	7	24.29	0
12	J. Nath, A. V. Trifu, M. S. Gabor, A. Hallal, S. Auffret, S. Labau, A. Mahjoub, E. Chan, A. K. Chaurasiya, A. K. Mondal, H. Yang, E. Schmoranzero, M. A. Nsibi, I. Joumard, A. Barman, B. Pelissier, M. Chshiev, G. Gaudin, I. M. Miron	Mechanism of Spin-Orbit Torques in Platinum Oxide Systems, Adv. Electron. Mater., vol.8, issue 7, 2022, pp. 2101335, DOI: 10.1002/aelm.202101335	6.2	19	16.32	0
13	CK Safer, Mohamed-Ali Nsibi, Jayshankar Nath, Mihai Sebastian Gabor, Haozhe Yang, Isabelle Joumard, Stephane Auffret, Gilles Gaudin, Ioan-Mihai Miron	Effect of Chiral Damping on the dynamics of chiral domain walls and skyrmions, Nat Commun, vol. 13, 2022, pp. 1192, DOI: 10.1038/s41467-022-28815-6	16.6	9	92.22	0
14	Elena M Stetco, Ovidiu A Pop, Alin Grama, Dan Pitica, Mihai S Gabor	Manufacturing, Characterization, and Simulation Model Design for a Current Sensor Based on a Spin-Valve Magnetoresistive Microstructure, IEEE Transactions on Components, Packaging and Manufacturing Technology, vol. 12, no. 3, pp. 422-428, March 2022, doi: 10.1109/TCPMT.2022.3151952.	2.2	5	22.00	0
15	RB Sonher, M Nasui, MS Gabor, T Petrisor Jr, L Ciontea, T Petrisor	Effect of glycerol on the thermal decomposition behavior of nickel propionate-based precursor, Journal of Analytical and Applied Pyrolysis, vol. 159, 2021, pp. 105289, DOI: 10.1016/j.jaap.2021.105289	6.437	6	53.64	0
16	D Ourdani, Y Roussigné, SM Chérif, MS Gabor, M Belmeguenai	Dependence of the interfacial Dzyaloshinskii–Moriya interaction, perpendicular magnetic anisotropy, and damping in Co-based systems on the thickness of Pt and Ir layers, Physical Review B, vol. 104, issue 10, 2021, pp. 104421, DOI: 10.1103/PhysRevB.104.104421	3.908	5	39.08	1
17	D Ourdani, Y Roussigné, RB Mos, M Nasui, SM Chérif, MS Gabor, M Belmeguenai	Hf thickness dependence of perpendicular magnetic anisotropy, damping and interfacial Dzyaloshinskii–Moriya interaction in Pt/CoFe/Hf/HfO2, Physical Review Materials, vol. 5, issue 8, 2021, pp.084404, DOI:10.1103/PhysRevMaterials.5.084404	3.98	7	28.43	1
18	D Ourdani, Y Roussigné, SM Chérif, M Gabor, M Belmeguenai	Annealing Temperature and Thickness Dependencies of Perpendicular Magnetic Anisotropy and Dzyaloshinskii–Moriya Interaction of Pt/Co/MgO Thin Films, IEEE Transactions on Magnetics, vol. 58, issue 2, 2022, pp. 1-5, DOI: 10.1109/TMAG.2021.3089002	2.1	5	21.00	0
19	R Pachat, D Ourdani, JW van Der Jagt, M-A Syskaki, A Di Pietro, Y Roussigné, S Ono, MS Gabor, M Chérif, G Durin, J Langer, M Belmeguenai, D Ravelosona, L Herrera Diez	Multiple Magnetoionic Regimes in Ta/Co20Fe60B20/HfO2, Physical Review Applied, vol. 15, issue 6, 2021, pp. 064055, DOI: 10.1103/PhysRevApplied.15.064055	4.931	14	17.61	0
20	M. Nasui, R. B. Sonher, E. Ware, Andrada Daniel, T. Petrisor, M. Gabor, L. Ciontea	Morphological and Structural Evolution of Chemically Deposited Epitaxially LaNiO3 Thin Films, COATINGS, vol. 11, issue 11, 2021, DOI: 10.3390/coatings11111276	3.236	7	23.11	0
21	RA One, S Mican, A Mesaros, M Gabor, T Petrisor, M Joldos, LD Buda-Prejbeanu, C Tiusan	Perpendicular Magnetic Anisotropy Electric Field Modulation in Magnetron-Sputtered Pt/Co/X/MgO Ultrathin Structures With Chemically Tailored Top Interface, IEEE Transactions on Magnetics, vol. 57, issue 6, 2021, pp.1-10, DOI:10.1109/TMAG.2021.3071584	1.848	8	11.55	0
22	Sonher, Ramona Bianca; Varga, Richard Attila; Nasui, Mircea; Jr, Traian Petrisor; Gabor, Mihai Sebastian; Senila, Marin; Rufoloni, Alessandro; Petrisor, Traian; Ciontea, Lelia	Single Source Precursor for PAD-LaMnO3 Thin Films, CRYSTALS, vol.10, issue 9, 2020, DOI: 10.3390/cryst10090851	2.589	9	14.38	0
23	I Benguettat-El Mokhtari, Y Roussigné, SM Chérif, A Stashkevich, S Auffret, C Baraduc, M Gabor, Hélène Béa, M Belmeguenai	Interface phenomena in ferromagnet/TaOx-based systems: Damping, perpendicular magnetic anisotropy, and Dzyaloshinskii–Moriya interaction, Physical Review Materials, vol. 4, issue 12, 2020, pp. 124408, DOI: 10.1103/PhysRevMaterials.4.124408	3.989	9	22.16	0
24	I Benguettat-El Mokhtari, D Ourdani, Y Roussigné, RB Mos, M Nasui, F Kail, L Chahed, SM Chérif, A Stashkevich, M Gabor, M Belmeguenai	Perpendicular magnetic anisotropy and interfacial Dzyaloshinskii–Moriya interaction in as grown and annealed X/Co/Y ultrathin systems, JOURNAL OF PHYSICS-CONDENSED MATTER, vol. 32, issue 49, 2020, DOI: 10.1088/1361-648X/abb0a8	2.333	11	10.60	0

25	Ibtissem Benguettat-EL Mokhtari, Yves Roussigné, Traian Petrisor Jr, Fatih Zighem, Fatiha Kail, Larbi Chahed, Victor Pierron, Laurence Méchin, Mihai Gabor, Mohamed Belmeguenai	Spin Pumping and Magnetic Anisotropy in La2/3Sr1/3MnO3/Pt Systems, PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, vol. 257, issue 12, 2020, pp.2000265, DOI: 10.1002/psb.202000265	1.71	10	8.55	0
26	BV Neamtu, A Irimie, F Popa, MS Gabor, TF Marinca, I Chicinaş	Soft magnetic composites based on oriented short Fe fibres coated with polymer, Journal of Alloys and Compounds, vol. 840, 2020, pp.155731, DOI: 10.1016/j.jallcom.2020.155731	5.316	6	44.30	0
27	I Benguettat-El Mokhtari, D Ourdani, Y Roussigné, RB Mos, M Nasui, SM Chérif, A Stashkevich, MS Gabor, M Belmeguenai	Investigation of the correlation between perpendicular magnetic anisotropy, spin mixing conductance and interfacial Dzyaloshinskii-Moriya interaction in CoFeB-based systems, Journal of Physics D: Applied Physics, vol. 53, issue 50, 2020, pp.505003, DOI: 10.1088/1361-6463/abb488	3.207	9	17.82	1
28	M. S. Gabor, T. Petrisor, Jr, M. Nasui, M. A. Nsibi, J. Nath, and I. M. Miron	Spin-orbit Torques and Magnetization Switching in Perpendicularly Magnetized Epitaxial Pd/Co2FeAl/MgO Structures, Phys. Rev. Applied, vol. 13, issue 5, 2020, pp. 054039, DOI: 10.1103/PhysRevApplied.13.054039	4.985	6	41.54	1
29	MS Gabor, M Nasui, A Timar-Gabor	Perpendicular magnetic anisotropy in Pt/Co-based full Heusler alloy/MgO thin-film structures, Physical Review B, vol. 100, issue 14, 2019, pp.144438, DOI: 10.1103/PhysRevB.100.144438	3.575	3	59.58	1
30	W Akhtar, A Hrabec, Saddam Chouaieb, Angela Haykal, Isabell Gross, M Belmeguenai, MS Gabor, B Shields, P Maletinsky, A Thiaville, S Rohart, Vincent Jacques	Current-Induced Nucleation and Dynamics of Skyrmions in a Co-based Heusler Alloy, Physical Review Applied, vol. 11, issue 3, 2019, pp.034066, DOI: 10.1103/PhysRevApplied.11.034066	4.194	12	17.48	0
31	Mohamed Belmeguenai, Yves Roussigne, Salim Mourad Cherif, A Stashkevich, T Petrisor, Mircea Nasui, MS Gabor	Influence of the capping layer material on the interfacial Dzyaloshinskii-Moriya interaction in Pt/Co/capping layer structures probed by Brillouin light scattering, Journal of Physics D: Applied Physics, vol. 52, issue 12, 2019, pp. 125002, DOI: 10.1088/1361-6463/aa9df5	3.169	7	22.64	1
32	M Belmeguenai, D Apalkov, M Gabor, F Zighem, G Feng, G Tang	Magnetic Anisotropy and Damping Constant in CoFeB/Ir and CoFeB/Ru Systems, IEEE Transactions on Magnetics, vol. 54, issue 11, 2018, p.1-5, DOI: 10.1109/TMAG.2018.2844410	1.651	6	13.76	0
33	M Belmeguenai, Y Roussigné, H Bouloussa, SM Chérif, A Stashkevich, M Nasui, MS Gabor, A Mora-Hernández, B Nicholson, O-O Inyang, AT Hindmarch, L Bouchenoire	Thickness Dependence of the Dzyaloshinskii-Moriya Interaction in Co2FeAl Ultrathin Films: Effects of Annealing Temperature and Heavy-Metal Material, Physical Review Applied, vol.9, issue 4, 2018, pp. 044044, DOI: 10.1103/PhysRevApplied.9.044044	4.532	12	18.88	1
34	M Belmeguenai, K Aitoukaci, F Zighem, MS Gabor, T Petrisor, RB Mos, C Tiusan	Investigation of the annealing temperature dependence of the spin pumping in Co20Fe60B20/Pt systems, Journal of applied physics, vol. 123, issue 13, 2018, pp. 113905, DOI: 10.1063/1.5011111	2.328	7	16.63	1
35	T Petrisor Jr, A Meledin, A Boule, RB Mos, MS Gabor, L Ciontea, T Petrisor	Ordered misfit dislocations in epitaxial Gd doped CeO2 thin films deposited on (001)YSZ single crystal substrates, Applied Surface Science, vol. 433, 2018, pp. 668-673, DOI: 10.1016/j.apsusc.2017.09.202	5.155	7	36.82	0
36	Laura Piperno, Achille Angrisani Armenio, Angelo Vannozzi, Valentina Galluzzi, Valentina Pinto, Francesco Rizzo, Andrea Augieri, Antonella Mancini, Alessandro Rufoloni, Giuseppe Celentano, Ramona B Mos, Lella Ciontea, Mircea Nasui, Mihai Gabor, Trajan Petrisor, Giovanni Sotgiu	Surface Decoration as a Prospective Artificial Pinning Strategy in Superconducting YBa2Cu3O7-x Films, IEEE Transactions on Applied Superconductivity, vol. 28, issue 4, 2018, pp. 1-5, DOI: 10.1109/TASC.2018.2804092	1.692	16	5.29	0
37	M Belmeguenai, MS Gabor, Y Roussigné, T Petrisor Jr, RB Mos, A Stashkevich, SM Chérif, C Tiusan	Interfacial Dzyaloshinskii-Moriya interaction sign in Ir/Co2FeAl systems investigated by Brillouin light scattering, Physical Review B, vol 97, issue 5, 2018, pp. 054425, DOI: 10.1103/PhysRevB.97.054425	3.736	8	23.35	1
38	M Belmeguenai, MS Gabor, F Zighem, N Challab, T Petrisor, RB Mos, C Tiusan	Ferromagnetic-resonance-induced spin pumping in Co20Fe60B20/Pt systems: damping investigation, Journal of Physics D: Applied Physics, vol. 51, issue 4, 2018, pp.045002, DOI: 10.1088/1361-6463/aa9f55	2.829	7	20.21	0
39	MS Gabor, T Petrisor, RB Mos, M Nasui, C Tiusan	Interlayer exchange coupling in perpendicularly magnetized Pt/Co/Ir/Co/Pt structures, Journal of Physics D: Applied Physics, vol. 50, issue 46, 2017, pp. 465004, DOI: 10.1088/1361-6463/aa8ece	2.373	5	23.73	1
40	F Zighem, D Faurie, M Belmeguenai, N Girodon-Boulandet, MS Gabor, P Djemia	Annealing effect on elastic, magnetic and magnetoelastic properties of CoFeB thin films on polymer substrate, Journal of Physics D: Applied Physics, vol. 50, issue 45, 2017, pp. 455002, DOI: 10.1088/1361-6463/aa8d0b	2.373	6	19.78	0
41	M Belmeguenai, H Bouloussa, Y Roussigné, MS Gabor, T Petrisor Jr, C Tiusan, H Yang, A Stashkevich, SM Chérif	Interface Dzyaloshinskii-Moriya interaction in the interlayer antiferromagnetic-exchange coupled Pt/CoFeB/Ru/CoFeB systems, Physical Review B, vol. 96, issue 14, 2017, pp.144402, DOI: 10.1103/PhysRevB.96.144402	3.813	9	21.18	0
42	M Nasui, RB Mos, MS Gabor, T Petrisor Jr, A Tomolea, E Ware, F Goga, A Mesaros, L Ciontea	New versatile synthesis for low dimension superparamagnetic YBa2Cu3O7-x nanoparticles, Ceramics International, vol. 43, issue 12, 2017, pp. 8845-8849, DOI: 10.1016/j.ceramint.2017.04.018	3.057	9	16.98	0
43	BV Neamtu, HF Chicinaş, G Ababei, M Gabor, TF Marinca, N Lupu, I Chicinaş	A comparative study of the Fe-based amorphous alloy prepared by mechanical alloying and rapid quenching, Journal of Alloys and Compounds, vol. 703, 2017, pp. 19-25, DOI:10.1016/j.jallcom.2017.01.359	3.779	7	26.99	0
44	M Belmeguenai, MS Gabor, Y Roussigné, SM Chérif, A Stashkevich, T Petrisor, RB Mos, C Tiusan	Characterization of the interfacial Dzyaloshinskii-Moriya Interaction in Pt/Co2FeAl0.5Si0.5 Ultrathin Films by Brillouin Light Scattering, IEEE Transactions on Magnetics, vol. 53, issue 11, 2017, pp. 1-5, DOI: 10.1109/TMAG.2017.2696241	1.467	8	9.17	0
45	M Belmeguenai, MS Gabor, F Zighem, C Tiusan	Damping and spin mixing conductance in Ni80Fe20/CuIr structures: effect of Ir doping, Journal of Physics D: Applied Physics, vol. 50, issue 13, 2017, pp. 135002, DOI: 10.1088/1361-6463/aa5b63	2.373	4	29.66	1
46	M Belmeguenai, MS Gabor, F Zighem, Y Roussigné, D Faurie, C Tiusan	Annealing temperature and thickness dependencies of structural and magnetic properties of Co2FeAl thin films, Physical Review B, vol. 94, issue 10, 2016, pp.104424, DOI: 10.1103/PhysRevB.94.104424	3.836	6	31.97	1
47	MS Gabor, T Petrisor, RB Mos, A Mesaros, M Nasui, M Belmeguenai, F Zighem, C Tiusan	Spin-orbit torques and magnetization switching in W/Co2FeAl/MgO structures, Journal of Physics D: Applied Physics, vol. 49, issue 36, 2016, pp. 365003, DOI: 10.1088/0022-3727/49/36/365003	2.588	8	16.18	1
48	Thomas Dippong, Erika Andrea Levei, Claudiu Tanaselia, Mihai Gabor, Mircea Nasui, Lucian Barbu Tudoran, Gheorghe Borodi	Magnetic properties evolution of the CoFe3-xO4/SiO2 system due to advanced thermal treatment at 700 °C and 1000 °C, Journal of Magnetism and Magnetic Materials, vol. 410, 2016, pp. 47-54, DOI: 10.1016/j.jmmm.2016.03.020	2.5	7	17.86	0
49	M Gueye, F Zighem, M Belmeguenai, M Gabor, C Tiusan, D Faurie	Ferromagnetic resonance in thin films submitted to multiaxial stress state: application of the uniaxial equivalent stress concept and experimental validation, Journal of Physics D: Applied Physics, vol.49, issue 26, 2016, pp.265001, DOI: 10.1088/0022-3727/49/26/265001	2.588	6	21.57	0
50	RB Mos, T Petrisor Jr, M Nasui, A Mesaros, MS Gabor, M Senila, E Ware, L Ciontea, T Petrisor	Epitaxial LaO.7SrO.3MnO3 nanostructures obtained by polymer-assisted surface decoration (PASD), Materials Letters, vol. 171, 2016, pp. 281-284, DOI: 10.1016/j.matlet.2016.02.122	2.572	9	14.29	0
51	Mohamed Belmeguenai, MS Gabor, Yves Roussigné, A Stashkevich, SM Chérif, F Zighem, C Tiusan	Brillouin light scattering investigation of the thickness dependence of Dzyaloshinskii-Moriya interaction in Co0.5Fe0.5 ultrathin films, Physical Review B, vol. 93, issue 17, 2016, pp. 174407, DOI: 10.1103/PhysRevB.93.174407	3.836	7	27.40	1
52	M Gueye, F Zighem, M Belmeguenai, MS Gabor, C Tiusan, D Faurie	Spectroscopic investigation of elastic and magnetoelastic properties of CoFeB thin films, Journal of Physics D: Applied Physics, vol. 49, issue 14, 2016, pp. 145003, DOI: 10.1088/0022-3727/49/14/145003	2.588	6	21.57	0
53	M Belmeguenai, MS Gabor, F Zighem, D Berling, Y Roussigné, T Petrisor Jr, SM Chérif, C Tiusan, O Brinza, P Moch	Static and dynamic magnetic properties of Co2FeAl-based stripe arrays, Journal of Magnetism and Magnetic Materials, vol. 399, 2016, pp. 199-206, DOI: 10.1016/j.jmmm.2015.09.065	2.63	10	13.15	0
54	MS Gabor, T Petrisor Jr, O Pop, S Colis, C Tiusan	Temperature dependence of the perpendicular magnetic anisotropy in Ta/Co2FeAl/MgO structures probed by Anomalous Hall Effect, Journal of Magnetism and Magnetic Materials, vol.392, 2015, pp. 79-82, DOI: 10.1016/j.jmmm.2015.05.013	2.357	5	23.57	1
55	MS Gabor, M Belmeguenai, T Petrisor Jr, C Ulhaq-Bouillet, S Colis, C Tiusan	Correlations between structural, electronic transport, and magnetic properties of Co2FeAl0.5Si0.5 Heusler alloy epitaxial thin films, Physical Review B, vol. 92, issue 5, 2015, pp. 054433, DOI: 10.1103/PhysRevB.92.054433	3.718	6	30.98	1

56	M Gueye, F Zighem, M Belmeguenai, MS Gabor, C Tiusan, D Faurie	Effective 90-degree magnetization rotation in Co2FeAl thin film/piezoelectric system probed by microstripline ferromagnetic resonance, Applied Physics Letters, vol. 107, issue 5, 2015, pp. 032908 , DOI: 10.1063/1.4927308	3.412	6	28.43	0
57	AA Stashkevich, M Belmeguenai, Y Roussigné, SM Cherif, Mikhail Kostylev, M Gabor, Daniel Lacour, Coriolan Tiusan, Michel Hehn	Experimental study of spin-wave dispersion in Py/Pt film structures in the presence of an interface Dzyaloshinskii-Moriya interaction, Physical Review B, vol. 91, issue 21, 2015, pp. 214409, DOI: 10.1103/PhysRevB.91.214409	3.718	9	20.66	0
58	M Belmeguenai, MS Gabor, Y Roussigné, F Zighem, SM Chérif, C Tiusan	Perpendicular Magnetic Anisotropy in Co2 FeAl Thin Films: Effect of Annealing Temperature, IEEE Transactions on Magnetics, vol. 51, issue 11, 2015, pp. 1-4, DOI: 10.1109/TMAG.2015.2435815	1.277	6	10.64	0
59	M Nasui, T Petrisor Jr, RB Mos, MS Gabor, A Mesaros, F Goga, L Ciontea, T Petrisor	Fluorine-free propionate route for the chemical solution deposition of YBa2Cu3O7-x superconducting films, Ceramics International, vol. 31, issue 3, 2015, pp. 4416-4421, DOI: 10.1016/j.ceramint.2014.11.132	2.758	8	17.24	0
60	M Belmeguenai, MS Gabor, T Petrisor, F Zighem, SM Chérif, C Tiusan	Capping layer-tailored interface magnetic anisotropy in ultrathin Co2FeAl films, Journal of Applied Physics, vol. 117, issue 2, 2015, pp. 023906 , DOI: 10.1063/1.4905688	2.101	6	17.51	1
61	Mohamed Belmeguenai, Hanife Tuzcuoglu, Mihai Gabor, Traian Petrisor, Coriolan Tiusan, Dominique Berling, Fath Zighem, Salim Mourad Chérif	Magnetic and structural properties of Co2FeAl thin films grown on Si substrate, Journal of Magnetism and Magnetic Materials, vol. 373, 2015, pp. 140-143, DOI: 10.1016/j.jmmm.2014.02.014	2.357	8	14.73	0
62	MS Gabor, Mohamed Belmeguenai, F Zighem, SM Chérif, T Petrisor Jr, T Petrisor, C Tiusan, M Hehn	ELECTRONIC, STRUCTURAL AND MAGNETIC PROPERTIES OF Co2FeAl THIN FILMS FOR POTENTIAL SPINTRONIC APPLICATIONS, Spin, vol. 4, issue 4, 2014, pp. 1440022, DOI: 10.1142/S2010324714400220	2.06	8	12.88	1
63	T Petrisor, R Mos, M Nasui, M Gabor, A Augieri, G Celentano, D Felikis, E Bemporad, L Ciontea, T.Petrisor	The Vortex Path Model Analysis of the Field Angle Dependence of the Critical Current Density in Nanocomposite YBa2Cu3 O7-x-BaZrO3 Films Obtained by Low Fluorine Chemical Solution Deposition, Journal of Superconductivity & Novel Magnetism, vol. 27, issue 11, 2014, pp.2493-2500, DOI: 10.1007/s10948-014-2712-z	0.909	10	4.55	0
64	Mihai S Gabor, Coriolan Tiusan, Traian Petrisor	The Influence of the Capping Layer on the Perpendicular Magnetic Anisotropy in Permalloy Thin Films, IEEE TRANSACTIONS ON MAGNETICS, vol. 50, issue 11, 2014, pp. 1-4, DOI: 10.1109/TMAG.2014.2320296	1.386	3	23.10	1
65	M Gueye, BM Wague, F Zighem, M Belmeguenai, MS Gabor, T Petrisor, C Tiusan, S Mercone, D Faurie	Bending strain-tunable magnetic anisotropy in Co2FeAl Heusler thin film on Kapton, Applied Physics Letters, vol. 105, issue 6, 2014, DOI: 10.1063/1.4893157	3.302	9	18.34	0
66	Amalia Mesaros, Cristina D Ghitulica, Mihaela Popa, Raluca Mereu, Adriana Popa, Traian Petrisor Jr, Mihai Gabor, Adrian Ionut Cadis, Bogdan S Vasile	Synthesis, structural and morphological characteristics, magnetic and optical properties of Co doped ZnO nanoparticles, Ceramics International, vol.40, issue 2, 2014, pp. 2835-2846, DOI: 10.1016/j.ceramint.2013.10.030	2.605	9	14.47	0
67	M Belmeguenai, H Tuzcuoglu, MS Gabor, T Petrisor, C Tiusan, F Zighem, SM Chérif, P Moch	Co2FeAl Heusler thin films grown on Si and MgO substrates: Annealing temperature effect, Journal of Applied Physics, vol.115, issue 4, 2014, DOI: 10.1063/1.4863398	2.183	8	13.64	1
68	MS Gabor, C Tiusan, T Petrisor Jr, T Petrisor, Michel Hehn, Yuan Lu, Etienne Snoeck	Structural defects analysis versus spin polarized tunneling in Co2FeAl/MgO/CoFe magnetic tunnel junctions with thick MgO barriers, Journal of magnetism and magnetic materials, vol.347, 2013 pp. 79-85, DOI: 10.1016/j.jmmm.2013.07.028	2.002	7	14.30	1
69	Raluca A Mereu, Amalia Mesaros, Traian Petrisor Jr, Mihai Gabor, Mihaela Popa, Lelia Ciontea, Traian Petrisor	Synthesis, characterization and thermal decomposition study of zinc propionate as a precursor for ZnO nano-powders and thin films, Journal of Analytical and Applied Pyrolysis, vol.104, 2013, pp. 653-659, DOI: 10.1016/j.jaap.2013.05.001	3.07	7	21.93	0
70	M Popa, A Mesaros, RA Mereu, R Suciu, BS Vasile, MS Gabor, L Ciontea, T Petrisor	Optical properties correlated with morphology and structure of TEAH modified ZnO nanoparticles via precipitation method, Journal of alloys and compounds, vol. 574, 2013, pp. 255-259, DOI: 10.1016/j.jallcom.2013.04.078	2.726	8	17.04	0
71	RA Mereu, A Mesaros, M Vasilescu, M Popa, MS Gabor, L Ciontea, TJCI Petrisor	Synthesis and characterization of undoped, Al and/or Ho doped ZnO thin Films, Ceramics International, vol. 39, issue 5, 2013, pp. 5535-5543, DOI: 10.1016/j.ceramint.2012.12.067	2.086	7	14.90	0
72	M Belmeguenai, H Tuzcuoglu, MS Gabor, T Petrisor Jr, C Tiusan, D Berling, F Zighem, T Chauveau, SM Chérif, P Moch	Co2FeAl thin films grown on MgO substrates: Correlation between static, dynamic, and structural properties, Physical Review B—Condensed Matter and Materials Physics, vol. 87, issue 18, 2013, pp. 184431, DOI: 10.1103/PhysRevB.87.184431	3.664	10	18.32	0
73	RB Mos, T Petrisor Jr, MS Gabor, A Mancini, A Rufoloni, G Celentano, Andrea Falqui, A Genovese, R Ruffilli, L Ciontea, T Petrisor	Epitaxial growth and characterization of La2Zr2O7 multilayers on biaxially textured NiW substrate by chemical solution deposition under highly reducing conditions, Thin Solid Films, vol. 531, 2013, pp. 491-498, DOI: 10.1016/j.tsf.2013.01.099	1.867	11	8.49	0
74	V Saracut, M Gilloan, M Gabor, S Astilean, C Farcau	Polarization-Sensitive Linear Plasmonic Nanostructures via Colloidal Lithography with Uniaxial Colloidal Arrays, ACS Applied Materials & Interfaces, vol.5, issue 4, 2013, pp. 1362-1369, DOI: 10.1021/am3026745	5.9	5	59.00	0
75	M Popa, RA Mereu, M Filip, M Gabor, T Petrisor Jr, L Ciontea, T Petrisor	Highly c-axis oriented ZnO thin film using 1-propanol as solvent in sol-gel synthesis, Materials Letters, vol. 92, 2013, pp. 267-270, DOI: 10.1016/j.matlet.2012.10.099	2.269	7	16.21	0
76	MS Gabor, T Petrisor, C Tiusan	Perpendicular magnetic anisotropy in Ta/Co2FeAl/MgO multilayers, JOURNAL OF APPLIED PHYSICS, vol. 114, 2013, pp. 063905, DOI: 10.1063/1.4818326	2.185	3	36.42	1
77	T Petrisor, MS Gabor, C Tiusan, V Galluzzi, G Celentano, S Popa, Alexandre Boule	Magnetic pinning effects of epitaxial LaSr1-xMnO3 nanostructured thin films on YBa2Cu3O7- δ layers, Journal of Applied Physics, vol.112, issue 5, 2012, DOI: 10.1063/1.4748049	2.21	7	15.79	0
78	RB Mos, M Nasui, T Petrisor Jr, MS Gabor, RA Varga, L Ciontea	Synthesis, crystal structure and thermal decomposition of Zr6O4 (OH) 4 (CH3CH2COO) 12, Journal of Analytical and Applied Pyrolysis, vol. 97, 2012, pp. 137-142, DOI: 10.1016/j.jaap.2012.06.010	2.56	6	21.33	0
79	Tania Ristoiu, Traian Petrisor Jr, Mihai Gabor, Simona Rada, Florin Popa, Lelia Ciontea, Traian Petrisor	Electrical properties of ceria/carbonate nanocomposites, Journal of alloys and compounds, vol. 532, 2012, pp. 109-113, DOI: 10.1016/j.jallcom.2012.03.098	2.39	7	17.07	0
80	L Ciontea, T Ristoiu, RB Mos, M Nasui, T Petrisor Jr, MS Gabor, A Mancini, A Rufoloni, G Celentano, T Petrisor	Epitaxial growth of CeO2 thin film on cube textured NiW substrate using a propionate-based metalorganic deposition (MOD) method, Materials Chemistry and Physics, vol. 133, issue 2-3, 2012, pp. 772-778, DOI: 10.1016/j.matchemphys.2012.01.092	2.072	10	10.36	0
81	MS Gabor, T Petrisor Jr, C Tiusan, Michel Hehn, BS Vasile, T.Petrisor	Influence of a TiO2 buffer layer on the magnetic properties of anatase Co: TiO2 thin films, Journal of Applied Physics, vol. 111, issue 8, 2012, DOI: 10.1063/1.4706570	2.21	6	18.42	1
82	RB Mos, M Nasui, T Petrisor Jr, MS Gabor, R Varga, L Ciontea, T Petrisor	Synthesis, crystal structure and thermal decomposition study of a new barium acetato-propionate complex, Journal of Analytical and Applied Pyrolysis, vol.92, issue 2, 2011, pp. 445-449, DOI: 10.1016/j.jaap.2011.08.007	2.487	7	17.76	0
83	M Nasui, RB Mos, T Petrisor Jr, MS Gabor, RA Varga, L Ciontea, T Petrisor	Synthesis, crystal structure and thermal decomposition of a new copper propionate [Cu (CH3CH2COO) 2]· 2H2O, Journal of analytical and applied pyrolysis, vol. 92, issue 2, 2011, pp. 439-444, DOI: 10.1016/j.jaap.2011.08.005	2.487	7	17.76	0
84	MS Gabor, T Petrisor Jr, C Tiusan, Michel Hehn, T Petrisor	Magnetic and structural anisotropies of CoFeAl Heusler alloy epitaxial thin films, Physical Review B—Condensed Matter and Materials Physics, vol. 84, issue 13, 2011, pp. 134413, DOI: 10.1103/PhysRevB.84.134413	3.691	5	36.91	1
85	T. Petrisor, Jr.; M. S. Gabor; A. Boule; C. Bellouard; C. Tiusan; O. Pana; T. Petrisor	Oxygen incorporation effects in annealed epitaxial La(1-x)SrxMnO3 thin films, Journal of Applied Physics, vol. 109, issue 12, 2011, DOI: 10.1063/1.3596807	2.168	7	15.49	0
86	G Ortiz, MS Gabor, T Petrisor Jr, F Boust, F Issac, C Tiusan, M Hehn, JF Bobo	Static and dynamic magnetic properties of epitaxial Co2FeAl Heusler alloy thin films, Journal of Applied Physics, vol. 109, issue 7, 2011, DOI: 10.1063/1.3549581	2.168	8	13.55	0
87	L Ciontea, M Nasui, T Petrisor Jr, RB Mos, MS Gabor, RA Varga, T Petrisor	Synthesis, crystal structure and thermal decomposition of [La2(CH3CH2COO)6(H2O)3]·3.5H2O precursor for high-k La2O3 thin films deposition, Materials Research Bulletin, Vol. 45, issue 9, 2010, pp. 1203-1208, DOI: 10.1016/j.materresbull.2010.05.019	2.146	7	15.33	0
88	M Nasui, T Petrisor Jr, RB Mos, MS Gabor, T Ristoiu, A Rufoloni, L Ciontea, T Petrisor	Precursor chemistry for the solution deposition of epitaxial La0.66Sr0.33MnO3 (LSMO) thin films, Thin solid films, Vol. 518 , issue 16, 2010, pp. 4753-4756, DOI: 10.1016/j.tsf.2009.12.076	1.935	8	12.09	0

89	RB Mos, MS Gabor, M Nasui, T Petrisor Jr, C Badea, A Rufoloni, L Ciontea, T Petrisor	Synthesis of epitaxial BaZrO3 thin films by chemical solution deposition, Thin Solid Films, Vol. 518, Issue 16, 2010, pp. 4714-4717, DOI: 10.1016/j.tsf.2009.12.066	1.935	8	12.09	0
90	V Canpean, S Astilean, T Petrisor Jr, M Gabor, I Ciascai	Convective assembly of two-dimensional nanosphere lithographic masks, Materials Letters, Vol. 63, Issue 21, 2009, pp. 1834-1836, DOI: 10.1016/j.matlet.2009.05.048	1.94	5	19.40	0

TOTAL ISI	2091.14
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Nr. articole ISI	90	Nr. articole ISI ca autor principal	29
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Articole in volume indexate ISI proceedings

Nr.	Autori	Titlul, revista, vol, nr., an, pag, DOI	Nr. Autori	Indicator (kpi)
1	Elena-Mirela Stetco, Ovidiu Aurel Pop, Mihai Sebastian Gabor, Alin Grama, Dan Pitică	PSpice model for a current sensor based on spin-valve magnetoresistive microstructure, 2020 IEEE 8th Electronics System-Integration Technology Conference (ESTC), pp. 1-5, DOI: 10.1109/estc48849.2020.9229833	5	1.00
2	E. -M. Stetco, A. -C. Davidas, T. Petrisor, M. Gabor and O. A. Pop	Design and Characterization of a Micrometric Magnetoresistive Sensor, 2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME), Cluj-Napoca, Romania, 2019, pp. 54-57, doi: 10.1109/SIITME47687.2019.8990875.	5	1.00
3	E. -M. Stetco, O. A. Pop, M. S. Gabor, A. Grama and D. Pitică	PSpice Model for a Current Sensor Based on Spin-Valve Magnetoresistive Microstructure, 2020 IEEE 8th Electronics System-Integration Technology Conference (ESTC), Tønsberg, Norway, 2020, pp. 1-5, doi: 10.1109/ESTC48849.2020.9229833.	5	1.00
4	C Fărcaș, A Cosma, N Palaghiță, A Grama, MS Gabor, C Tiusan	Development of a non-contact angular transducer, 2014 IEEE 20TH INTERNATIONAL SYMPOSIUM FOR DESIGN AND TECHNOLOGY IN ELECTRONIC PACKAGING (SIITME), pp. 187-191, DOI: 10.1109/SIITME.2014.6967025	6	0.83
5	L Ciontea, G Celentano, A Augieri, T Ristoiu, R Suci, MS Gabor, A Rufoloni, A Vannozzi, V Galluzzi, T Petrisor	Chemically processed BaZrO3 nanopowders as artificial pinning centres, Journal of Physics: Conference Series, Vol. 97 DOI10.1088/1742-6596/97/1/012289	10	0.50
6	T Ristoiu, L Ciontea, R-C Suci, T PETRISOR, MS Gabor, Gy Thalmayer, T Petrisor	Thermal decomposition study by DTA-TG-MS of cerium [III] acetylacetonate used as ceria thin film precursor, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Vol. 10, Issue 9, 2009, pp. 2223-2227, WOS:000259590400007	7	0.71
7	MS Gabor, T Petrisor Jr, CV Tiusan	Exchange coupling in Co/Ru/Co and Fe/MgO/Fe multilayered structures, SIX INTERNATIONAL CONFERENCE OF THE BALKAN PHYSICAL UNION, Vol. 899, 2009, pp. 627-627, WOS:000246647900341	3	1.67

TOTAL ISI proc.	6.71
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A2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale

Articole in reviste indexate in alte baze de date internationale (BDI)

Nr.	Autori	Titlul, revista, vol, nr., an, pag	Baza de date	Nr. Autori	Indicator (kpi)
1					0.00

TOTAL	0.00
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Articole in volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)

Nr.	Autori	Titlul, revista, vol, nr., an, pag	Baza de date	Nr. Autori	Indicator (kpi)
1					0.00

TOTAL	0.00
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A2.3. Brevete de inventie

A2.3.1 Brevete de inventie internationale

50/nr.autori

Nr.	Autori	Titlul, nr. Brevet	International	Nr. Autori	Indicator (kpi)
1					0.00

TOTAL A2.3	0.00
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A2.3.2 Brevete de inventie nationale

25/nr.autori

Nr.	Autori	Titlul, nr. Brevet	National	Nr. Autori	Indicator (kpi)
1	Mircea NASUI, Traian PETRIȘOR Jr, Ramona Bianca MOȘ, Amalia MESAROS, Mihai Sebastian GABOR, Lelia CIONTEA, Traian PETRIȘOR	Metoda chimică de obținere a filmelor epitaxiale de manganit de lantan dopat cu stronțiu La0.66Sr0.33MnO3 (LSMO) - brevet nr. RO 131325 B1	Da	7	3.57

TOTAL A2.3.2	3.57
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A2.4 Granturi/proiecte castigate prin competitie

A2.4.1 Director/responsabil de proiect

A2.4.1.1 Internationale

Nr.	Tip grant	Denumire proiect	Perioada	Nr. Ani	Indicator (kpi)
1	International			0	0.00

TOTAL A2.4.1.1	0.00
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A2.4.1.2 Nationale

Nr.	Tip grant	Denumire proiect	Perioada	Nr. Ani	Indicator (kpi)
1	Projects for Young Research Teams - RUTE -2014 call, -PN-II-RU-TE-2014-4-1820 - Director	PNII-RU-TE nr.255/01.10.2015- Advanced spintronic devices for communication and data storage technologies based on Heusler compounds, , val. 125.000 Euro.	2015-2017	2	10.00
2	P 1 - SP 1.1 - Proiecte de cercetare pentru stimularea tinerelor echipe independente, PN-III-P1-1.1-TE-2016-2131 - Director	PN-III-P1-1.1-TE-2016-2131 No. 24/02.05.2018 - Spinorbitronic devices for non-volatile magnetic memory elements, val. 100.000 Euro.	2018-2020	2	10.00
3	Proiecte de Cercetare Exploratorie, PN-III-P4-ID-PCE-2020-1853 - Director	PN-III-P4-ID-PCE-2020-1853 No. 182/04/01/2021 - Spin-orbit torque driven field-free artificial synapses and neurons, val. 250.000 Euro.	2021-2024	3	15.00
4	Proiecte de cercetare exploratorie, PN-IV-P1-PCE-2023-1548 - Director	PN-IV-P1-PCE-2023-1548 - NR. 15PCE / 08.01.2025 - Dispozitive spinorbitronice cu pereți chirali de domenii magnetice controlate prin tensiune de poartă, val. 240.000 Euro.	2025-2028	3	15.00
TOTAL A2.4.1.2					50

A2.4.2. Membru in echipa

A2.4.2.1 Internationale

Nr.	Tip grant	Denumire proiect	Perioada	Nr. Ani	Indicator (kpi)
1	International				0.00
TOTAL A2.4.2.1					0.00

A2.4.2.2 Nationale

Nr.	Tip grant	Denumire proiect	Perioada	Nr. Ani	Indicator (kpi)
1	Complex Exploratory Research Projects - PCCE-2008, PN-II-ID-PCCE-2008-0100	FROM MICRO TO MACRO - CONTINUUM SCALE MODELING OF ADVANCED MATERIALS IN VIRTUAL FABRICATION	2010-2013	3	6.00
2	Complex Exploratory Research Projects - PCCE-200, PN-II-ID-PCCE-2008-0106	DOPING AND SIZE EFFECTS ON THE MAGNETIC, STRUCTURAL AND MORPHOLOGICAL PROPERTIES AND SPIN DYNAMICS IN MICRO AND NANOSTRUCTURED FERROMAGNETIC OXIDES.	2010-2013	3	6.00
3	Exploratory Research Projects - PCE-2012 call, PN-II-ID-PCE-2012-4-0315	Mesoscopic spintronic devices with tailored magneto-transport properties	2013-2016	3	6.00
4	Joint Applied Research Projects - PCCA-2011 call, Type 1, PN-II-PT-PCCA-2011-3.1-0257	Thick YBa2Cu3O7 films with improved parameters for superconducting coatings	2012-2015	4	8.00
4	P 1 - SP 1.1 - Proiecte de cercetare pentru stimularea tinerelor echipe independente, PN-III-P1-1.1-TE-2016-2464	High sensitivity mixed superconducting-magnetoresistive magnetic field sensors for biomedical applications	2018-2019	2	4.00
5	P 1 - SP 1.1 - Proiecte de cercetare pentru stimularea tinerelor echipe independente, PN-III-PN-III-P1-1.1-TE-2016-2017	Advanced materials for smart energy-efficient windows	2019-2021	2	4.00
TOTAL A2.4.2.2					34.00
TOTAL A2					2185.42

Recunoasterea si impactul activitatii (A3)

A3.1. Citari in reviste ISI si BDI

A3.1.1. Articol de revista, conferinta, carte, teza, brevet inventie citate in reviste indexate ISI (Se exclud autocitarile TUTUROR CO-AUTORILOR)

Nr.	Articol citat (autori, titlul, revista, vol, nr, an, pag.)	Articolul in care este citata lucrarea (autori, titlul, revista, vol, nr, an, pag.)	Nr. Autori a articolului citat	Factor de Impact pentru revista in care a fost citata lucrarea	Indicator (kpi)
1	M. S. Gabor, M. Belmeguenai, and I. M. Miron, Bulk and interface spin-orbit torques in Pt/Co/MgO thin film structures, Phys. Rev. B, vol.109, issue 10, 2024, pp. 104407, DOI:10.1103/PhysRevB.109.104407	T. Itoh, Y. Kozuka, T. Hirai, K. Uchida, Enhancement of Transverse Thermoelectric Conversion by Interface-Induced Spin Current in Ferromagnetic Metal/Nonmagnetic Insulator Hybrid-Structure, Adv. Funct. Mater., vol. 34, issue 49, 2024, pp. 2409557. DOI: 10.1002/adfm.202409557	3	18.5	10.00
2		A. Bonda, L. Uba, S. Uba, A. Wawro, and A. Maziewski, All-optical study of the influence of Co and W stacking sequence on magnetization precession and damping and magnetic anisotropy in asymmetric Pt/(W,Co)/Pt heterostructures, Phys. Rev. B, vol. 110, issue 18, 2024, DOI: 10.1103/PhysRevB.110.184416	3	3.2	6.67
3	Nabil Challab, Yves Roussigné, Salim Mourad Chérif, Mihai Gabor, Mohamed Belmeguenai, Magnetic Damping and Dzyaloshinskii–Moriya Interactions in Pt/Co2FeAl/MgO Systems Grown on Si and MgO Substrates, Materials, vol. 16, issue 4, 2023, pp. 1388, DOI: 10.3390/ma16041388	A. Bonda, L. Uba, S. Uba, A. Wawro, and A. Maziewski, All-optical study of the influence of Co and W stacking sequence on magnetization precession and damping and magnetic anisotropy in asymmetric Pt/(W,Co)/Pt heterostructures, Phys. Rev. B, vol. 110, issue 18, 2024, DOI: 10.1103/PhysRevB.110.184416	5	3.2	4.00
4		Shu Hsuan. Su, Tzu Tai Huang, Bi-Rong Pan, Jung-Chuan Lee, Yi Jie Qiu, Pei-Yu Chuang, Pangihutan Gultom, Cheng-Maw Cheng, Yi-Chun Chen, Jung-Chung Andrew Huang, Large Tunable Spin-to-Charge Conversion in Ni80Fe20/Molybdenum Disulfide by Cu Insertion, ACS Appl. Mater. Interfaces, Vol. 16, Issue 18, 2024, pp. 24122-24131, DOI: 10.1021/acsami.4c03360	5	8.5	6.00
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1333		Cabello, G. and Lillo, L. and Caro, C. and Buono-Core, G. E. and Chornik, B. and Flores, M. and Carrasco, C. and Rodriguez, C. A., Photochemical synthesis of AzrO3-x thin films (A=Ba, Ca and Sr) and their characterization, <i>CERAMICS INTERNATIONAL</i> , vol. 40, issue 6, 2014, pp. 7761-7768, DOI: 10.1016/j.ceramint.2013.12.118	8	2.605	2.50
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1339	Park, B. D. and Leem, J. W. and Yu, J. S., Bioinspired Si subwavelength gratings by closely-packed silica nanospheres as etch masks for efficient antireflective surface, APPLIED PHYSICS B-LASERS AND OPTICS, vol. 105, issue 2, 2011, pp. 335-342, DOI: 10.1007/s00340-011-4541-0	5	2.189	4.00
1340	Levente Csoka, Ingrid C Hoeger, Perry Peralta, Ilona Peszlen, Orlando J Rojas, Dielectrophoresis of cellulose nanocrystals and alignment in ultrathin films by electric field-assisted shear assembly, JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol. 363, issue 1, 2011, pp. 206-212, DOI: 10.1016/j.jcis.2011.07.045	5	3.07	4.00
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			punctaj intermediar pt mine	4074.70
			TOTAL	4074.70

A3.1.2. Articol de revista, conferinta, carte, teza, brevet inventie citate in reviste indexate BDI (Se exclud autocitările TUTUROR CO-AUTORILOR)

Nr.	Articol citat (autori, titlul, revista, vol, nr, an, pag.)	Articolul in care este citata lucrarea (autori, titlul, revista, vol, nr, an, pag.)	Baza de date in care se afla articolul care citeaza	Nr. Autori a articolului citat	Indicator (kpi)
1					0.00
				TOTAL A3.1.2	0.00

A3.2. Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale și Profesor invitat (exclusiv ERASMUS)

kpi = internationala = 8
nationala = 4
profesor invitat = 8

Nr.	Internationala / Nationala / Profesor invitat	Manifestarea stiintifica / Universitatea/ Institutul	Perioada	Obs	Indicator (kpi)
1	Internatională	Thin 11th International Conference On Physics Of Advanced Materials (ICPAM-11) 8-14 September 2016, Cluj-Napoca, Romania;	2016		8.00
2	Internatională	15-17 June 2017 Spin Currents and Spin-Orbit Torques Workshop, SPINTEC, CEA-INAC / CNRS / University Grenoble Alpes, Grenoble, France;	2017		8.00
	Internatională	23-25.08.2022 Spins, waves and interactions, TU Desden, Greifswald, Germany.	2022		8.00
3	Profesor invitat	2016 – Invited professor University Paris 13, Paris, France.	2015		8.00
				TOTAL A3.2	32.00

A3.3 Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice / Recenzor pentru reviste si manifestari stiintifice nationale si

A3.3.1 indexate ISI

kpi = editor/chairman = 12
membru = 8
recenzor = 5

Nr.	Editor sau chairman / Membru / Recenzor	Manifestarea stiintifica / adresa web	Perioada	Obs	Indicator (kpi)
1					0.00
				TOTAL A3.3.1	0.00

A3.3.2 indexate BDI

kpi = editor/chairman = 10

membru = 5
recenzor = 3

Nr.	Editor sau chairman / Membru / Recenzor	Manifestarea stiintifica / adresa web	Perioada	Obs	Indicator (kpi)
1					0.00
TOTAL A3.3.2					0.00

A3.3.3 nationale si internationale neindexate
kpi = editor/chairman = 5
membru = 3
recenzor = 2

Nr.	Editor sau chairman / Membru / Recenzor	Manifestarea stiintifica / adresa web	Perioada	Obs	Indicator (kpi)
1					0.00
TOTAL A3.3.3					0.00

A3.4 Expert evaluare proiecte de cercetare

A3.4.1 Internationale (10 puncte pe proiect)

Nr.	Institutia pentru care s-a evaluat	Proiectul evaluat	Anul	Indicator (kpi)
1				0.00
TOTAL A3.4.1				0.00

A3.4.2 Nationale (5 puncte pe proiect)

Nr.	Institutia pentru care s-a evaluat	Proiectul evaluat	Anul	Indicator (kpi)
1				0.00

TOTAL A3.4.2 0.00

Criterii optionale

A3.5 Premii

A3.5.1 Academia Romana

kpi = 50

Nr.	Premiul	Anul	Obs	Indicator (kpi)
1				
2				
3				
4				

TOTAL A3.5.1 0.00

A3.5.2 ASAS, AOSR, academiile de ramura și CNCIS

kpi = 20

Nr.	Premiul	Anul	Obs	Indicator (kpi)
1				

TOTAL A3.5.2 0.00

A3.5.3 Premii internationale

kpi = 10

Nr.	Premiul	Anul	Obs	Indicator (kpi)
1				0.00

TOTAL A3.5.3 0.00

A3.5.4 Premii nationale in domeniu

kpi = 5

Nr.	Premiul	Anul	Obs	Indicator (kpi)
1				

TOTAL A3.5.4	0.00
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