

Lista publicatiilor in reviste WOS ale conducatorilor de doctorat in ultimii 5 ani

Nr	Autori	Titlu, revista WOS, vol, an, pagini, DOI	Factor impact	quartile	Q1	Q2	Q3	Q4	Open acces
1	Nan, A., Suciu, M., Ardelean, I., Șenilă, M., Turcu, R.	Characterization of the Nuclear Magnetic Resonance Relaxivity of Gadolinium Functionalized Magnetic Nanoparticles, Analytical Letters 54(1-2), pp. 124-139 (2021) https://doi.org/10.1080/00032719.2020.1731522	1.8	Q3				1	1
2	Kushwah,V.; Saraf, I; Yeoh, T.; Ardelean, I.; Weber, H.; Sarkar, A.; Chen, R.; Vogel, T.; Modhave, D.; Laggner, P.; Paudel, A.	Interplay of Aging and Lot-to-Lot Variability on the Physical and Chemical Properties of Excipients: A Case Study of Mono- And Diglycerides, European Journal of Pharmaceutical Sciences 147,105278 (2021) https://doi.org/10.1021/acs.molpharmaceut.0c00847	4.7	Q1		1			
3	Nicula, L.M., Corbu, O., Ardelean, I., Sandu, A.V., Iliescu, M., Simedru, D.	Freeze–thaw effect on road concrete containing blast furnace slag: Nmr relaxometry investigations, Materials 14(12),3288 (2021) https://doi.org/10.3390/ma14123288	3.2	Q2			1		1
4	Stepišnik, J., Ardelean, I., Mohorič, A.	Molecular self-diffusion in internal magnetic fields of porous medium investigated by NMR MGSE method, Journal of Magnetic Resonance 328,106981 (2021) https://doi.org/10.1016/j.jmr.2021.106981	1.9	Q2			1		1
5	Ardelean, I.	The effect of an accelerator on cement paste capillary pores: Nmr relaxometry investigations, Molecules 26(17),5328 (2021) https://doi.org/10.3390/molecules26175328	4.6	Q2			1		
6	Berk, B., Cavdaroglu, C., Grunin, L., Ardelean, I., Kruk, D., Mazi, B.G., Oztop, M.H.	Use of magic sandwich echo and fast field cycling NMR relaxometry on honey adulteration with corn syrup, Journal of the Science of Food and Agriculture 102(7), pp. 2667-2675 (2022) https://doi.org/10.1002/jsfa.11606	3.5	Q1		1			
7	Lacan, I., Moldovan, M., Sarosi, C., Ardelean, I.	Chitosan Effect on Hardening Dynamics of Calcium Phosphate Cement: Low-Field NMR Relaxometry Investigations, Polymers 14(15),3042 (2022) https://doi.org/10.3390/polym14153042	4.9	Q1		1			1
8	Rusu, M.M., Faux, D., Ardelean, I.	Monitoring the Effect of Calcium Nitrate on the Induction Period of Cement Hydration via Low-Field NMR Relaxometry, Molecules 28(2),476 (2023) https://doi.org/10.3390/molecules28020476	4.6	Q2			1		1
9	Rusu, M.M., Vulpoi, A., Vilau, C., Dudescu, C., Pășcuță, P., Ardelean, I.	Analyzing the Effects of Calcium Nitrate over White Portland Cement: A Multi-Scale Approach, Materials 16(1),371 (2023) https://doi.org/10.3390/ma16010371	3.2	Q2			1		1
10	Rusu, M.M., Vilau, C., Dudescu, C., Pascuta, P., Popa, F., Ardelean, I.	Characterization of the Influence of an Accelerator upon the Porosity and Strength of Cement Paste by Nuclear Magnetic Resonance (NMR) Relaxometry, Analytical Letters 56(2), pp. 303-311 (2023) https://doi.org/10.1080/00032719.2022.2072855	1.6	Q3				1	
11	Simedru, A.F., Becze, A., Cadar, O., Scurtu, D.A., Simedru, D., Ardelean, I.	Structural Characterization of Several Cement-Based Materials Containing Chemical Additives with Potential Application in Additive Manufacturing, International Journal of Molecular Sciences 24(9),7688 (2023) https://doi.org/10.3390/ijms24097688	4.9	Q1		1			
12	Toma, I.-O., Stoian, G., Rusu, M.-M., Ardelean, I., Cimpoeșu, N., Alexa-Stratulat, S.-M.	Analysis of Pore Structure in Cement Pastes with Micronized Natural Zeolite, Materials 16(13),4500 (2023) https://doi.org/10.3390/ma16134500	3.2	Q2			1		1
13	Nicula, L.M., Manea, D.L., Simedru, D., Cadar, O., Ardelean, I., Dragomir, M.L.	The Advantages on Using GGBS and ACBFS Aggregate to Obtain an Ecological Road Concrete, Coatings 13(8),1368 (2023) https://doi.org/10.3390/coatings13081368	3	Q2			1		1
14	Nicula, L.M., Manea, D.L., Simedru, D., Cadar, O., Dragomir, M.L., Ardelean, I., Corbu, O.	Potential Role of GGBS and ACBFS Blast Furnace Slag at 90 Days for Application in Rigid Concrete Pavements, Materials 16(17),5902 (2023) https://doi.org/10.3390/ma16175902	3.2	Q2			1		1
15	Lacan, I., Moldovan, M., Ardelean, I.	The Influence of Chitosan on Water Absorption and Solubility of Calcium Phosphate Cement, Coatings 13(9),1641 (2023) https://doi.org/10.3390/coatings13091641	3	Q2			1		1

16	Tăut, M.A., Moldovan, M., Filip, M., Petrean, I., Sarosi, C., Cuc, S., Taut, A.C., Ardelean, I., Lazăr, V., Man, S.C.	Synthesis and Characterization of Microcapsules as Fillers for Self-Healing Dental Composites, <i>Nanomaterials</i> 14(22),1853 (2024) https://doi.org/10.3390/nano14221853	4.3	Q2	1	1
17	Rusu, M.M., Ardelean, I.	Relations Between the Printability Descriptors of Mortar and NMR Relaxometry Data, <i>Materials</i> 18(13),3070 (2025) https://doi.org/10.3390/ma18133070	3.2	Q2	1	1
18	Papp, V., Ardelean, I., Bulátkó, A., Laszlo, K., Csik, A., Janovics, R., Kéri, M.	Effect of metakaolin and fly ash on the early hydration and pore structure of Portland cement, <i>Cement and Concrete Research</i> 196,107928 (2025) https://doi.org/10.1016/j.cemconres.2025.107928	13.1	Q1	1	
19	I. Rus I., M. Tertis, V. Pascalaui, C. Pavel, B. Melean, M. Suciui, C. Moldovan, T. Topala, C. Popa, R. Sandulescu, C. Cristea	Simple and fast analytical method for the evaluation of the encapsulation and release profile of doxorubicin from drug delivery systems, <i>Farmacia</i> 2021, 69(4), 670 – 681	1.6	Q4		1
20	N.L. Paul, C.O. Popa, E.R. Ionescu	Use of natural magnetosome crystalsfrom magnetotactic bacteria for local therapy vs. magnetic nanoparticles of similar compositions, sizes and shapes, Springer Proceedings in Materials - Selected papers from ICIR EUROINVENT 2025, https://doi.org/10.1007/978-3-032-08769-0		Proceedings		
21	W.A. Uriciuc, H. Vermesan, A.E. Tiuc, A. Ilea, A.B. Bosca, C. Popa	Casting over Metal Method Used in Manufacturing Hybrid Cobalt-Chromium Dental Prosthetic Frameworks Assemblies, <i>Materials</i> 2021, 14(3), 539	3.1	Q2	1	1
22	D.O. Jucan, R.V. Gadalean, H.F. Chicinas, M. Hering, N. Balc, C. Popa	Study on the indirect selective laser sintering (SLS) of WC-Co/PA12 powders for the manufacturing of cemented carbide parts, <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, Volume 96, Article number 105498	4.2	Q1	1	
23	H.F. Chicinas, D.O. Jucan, R.V. Gădălean, G. Contiu, T.F. Marinca, P. Gotze, A. Eckert, C. Popa	Influence of milling media on the properties of some hard metal powders, <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 96, 105470	4.2	Q1	1	
24	G.C. Dindelegan, A. Caziuc, I. Brie, O. Soritau, M.G. Dindelegan, V. Bintintan, V. Pascalaui, C. Mihiu, C. Popa	Multilayered Porous Titanium-Based 3rd Generation Biomaterial Designed for Endosseous Implants, <i>Materials</i> 2021, 14(7), 1727	3.1	Q2	1	1
25	P.A. Jiman, D. Prodan, M. Moldovan, A. Muntean, C. Sarosi, V. Tarmure, G. Baciut, C. Popa, A.S. Pop	New and recovered temporary anchorage devices, in vitro assessment of structural and surface properties, <i>Materials</i> 2021, 14(21), Article number 6271	3.1	Q2	1	1
26	R.V. Gădălean, O.D. Jucan, H.F. Chicinas, N. Bâlc, C.O. Popa	Additive Manufacturing of WC-Co by indirect Selective Laser Sintering (SLS) Using High Bulk Density Powders, <i>Arch. Metall. Mater.</i> 2022, 67(2), 577-585	0.7	Q4		1
27	H.F. ChiCinaș, O.D. Jucan, R.V. Gădălean, G. Conțiu, A. Cotai, C.O. Popa	Consolidation and Characterisation of Hard Metal Powders Milled under dichloromethane, <i>Arch. Metall. Mater.</i> 67 (2022), 2, 541-545	0.7	Q4		1
28	G. Thalmaier, N. Sechel, A. Csapai, C. Popa, G. Batin, A. Gabora, T. Mankovits, I. Vida – Simiti	Aluminum Perlite Syntactic Foams, <i>Materials</i> 2022, 15 (15), Art. Nr. 5446	3.1	Q2	1	1
29	M. Dindelegan, V. Pasacalau, M. Suciui, B. Neamtu, M. Perde-Schrepler, C. Blebea, A. Maniu, V. Necula, A. Buzoianu, M. Filip, A. Csapai, C. Popa	Biopolymer Lipid Hybrid Microcarrier for Transmembrane Inner Ear Delivery of Dexamethasone. <i>Gels</i> 2022, 8(8), 483	5	Q1	1	1
30	A. Csapai, D.A. Toc, V. Pasacalau, V. Tosa, D. Opruta, F. Popa, C. Popa	Study on the Effect of in Situ Surface Treatments of Medical Microfluidic Systems Obtained Through Additive Manufacturing, <i>Archives of Metallurgy and Materials</i> 2022, Volume 67, Issue 3, Pages 1071 – 1078	0.7	Q4		1
31	D. Apostu, D. Piciu, D. Oltean-Dan, D. Cosma, O. Lucaciu, C. Popa, A. Mester, H. Benea	How to Prevent Aseptic Loosening in Cementless Arthroplasty: A Review <i>Appl. Sci.</i> 2022, 12(3), 1571	2.5	Q2	1	1
32	D.A. Toc, A. Csapai, F. Popa, C. Popa, V. Pasacalau, N. Tosa, A. Botan, R. Mihaila, C. Costache, I. Colosi, L. Junie	Easy and Affordable: A New Method for the Studying of Bacterial Biofilm Formation, <i>Cells</i> 2022, 11(24), 4119	5.1	Q2	1	1
33	W. A. Uriciuc, A. B. Boșca, A. M. Băbșan, H. Vermeșan, C. Cristea, M. Tertiş, P. Pășcuță, G. Borodi, M. Suciui, L. Barbu-Tudoran, C. Popa, A. Ilea	Study on the Surface of Cobalt-Chromium Dental Alloys and Their Behavior in Oral Cavity as Cast Materials <i>Materials</i> 2022, 15(9), 3052	3.1	Q2	1	1
34	A. Csapai, D.A. Toc, F. Popa, N. Tosa, V. Pasacalau, C. Costache, A. Botan, C. Popa	3D Printed Microfluidic Bioreactors Used for the Preferential Growth of Bacterial Biofilms through Dielectrophoresis, <i>Micromachines</i> 2022, 13(9), 1377	3	Q2	1	1
35	D. Apostu, B. Berechet, D. Oltean-Dan, A. Mester, B. Petrushev, C. Popa, M.L. Gherman, A.B. Tigui, C.I. Tomuleasa, L. Barbu-Tudoran	Low-Molecular-Weight Heparins (LMWH) and Synthetic Factor X Inhibitors Can Impair the Osseointegration Process of a Titanium Implant in an Interventional Animal Study, <i>Medicina – Lithuania</i> 2022, 58(11), Art.Nr. 1590	2.4	Q1	1	
36	H.F. Chicinas, L.E. Marton, C.O. Popa	Influence of dissolved oxygen content on the properties of aqueous milled WC-Co powders, <i>Arch. Metall. Mater.</i> 2023, 68(3), 1205-1210	0.7	Q4		1
37	A. Csapai, D.A. Toc, V. Pasacalau, N. Tosa, S. Tripon, A. Ciorita, R.M. Mihaila, B. Mociran, C. Costache, C. Popa	Study of the Influence of the Dielectrophoretic Force on the Preferential Growth of Bacterial Biofilms in 3D Printed Microfluidic Devices, <i>Applied Sciences</i> 2023, 11, article nr. 60	2.5	Q2	1	1

38	T. Popa, M. Negrutiu, L.M. Gherman, G. Dogaru, A.D. Ciubean, V.M. Ciortea, D.I. Cosma, B.A. Calancea, D. Gheban, M.G. Dindelegan, C. Popa, L. Irsay	The effect of Low-Level LASER therapy on osseointegration. Can LASER therapy improve bone/implant contact? A preliminary study on rats, Balneo and PRM Research Journal 2023, 14(4), Art.Nr. 599	0.7	Q3		1	
39	O.D. Jucan,; R.V. H.F. Chicinas, N. Bălc, C.O. Popa	The Assessment of the Transversal Rupture Strength (TRS) and Hardness of WC-Co Specimens Made via Additive Manufacturing and Sinter-HIP, Metals 2023, 13(6), Art. Nr. 1051	2.6	Q2		1	1
40	V. Tosa, A. Ilie-Ene, S.C. Tripon, A. Mesaros, R. Fechete, N. Tosa, A. Csapai, G. Dindelegan, C. Popa	Electrospun Polymeric Fiber Systems Inoculated with Cyanoacrylate Tissue Adhesive: A Novel Hemostatic Alternative during Open Surgery, Materials 2024, 17(17), 4318	3.1	Q2		1	1
41	T. Popa, M. Negrutiu, L.M. Gherman, A.D. Ciubean, D.I. Cosma, D. Gheban, C. Popa, L. Irsay	The Effects of Surface Patterning and Photobiomodulation on the Osseointegration of Titanium Implants in Osteoporotic Long Bones: An In Vivo Study in Rats, Journal of Functional Biomaterials 2024, 15(11), 346	5	Q1		1	
42	W.A. Uriciuc, B.A. Bosca, M. Tertis, A.B. Ţigu, R.C. Moldovan, M. Suci, L. Barbu-Tudoran, T.L. Topală, L. Crisan, C.O. Popa, A. Ilea	Tobacco Residues Deposition at the Surface of Cobalt–Chromium Dental Alloys and the Effect of Cigarette Smoke Extract on Human Mesenchymal Stem Cells: An In Vitro Study, Coatings 2025, 15(3), 279	2.9	Q2		1	1
43	A. Ilie-Ene, V.P. Tosa, L.M. Gherman, R.M. Pop, L.M. Hantig, C.O. Popa, G.C. Dindelegan	New Biocompatible Cyanoacrylate and Polylactic Acid Hemostatic Patch: An In Vivo Proof of Concept Study, Materials 2025, 18(6), 1271	3.1	Q2		1	1
44	N. L. Paul, R. Carpa, R.E. Ionescu, C.O.Popa	The Biomedical Limitations of Magnetic Nanoparticles and a Biocompatible Alternative in the Form of Magnetotactic Bacteria, J. Funct. Biomater. 2025, 16(7), 231;	5	Q1		1	
45	W.A. Uriciuc, M. Suci, L.B. Tudoran, A.I. Botean, H.F. Chicinas, M.A. Anghel, C.O. Popa, A. Ilea	Surface Treatments on Cobalt–Chromium Alloys for Layering Ceramic Paint Coatings in Dental Prosthetics , Coatings 2025, 15(7), 833; https://doi.org/10.3390/coatings15070833	2.8	Q2		1	1
46	A.I. Ene, V. Tosa, L.M. Gherman, L.M. Hantig, M.M. Onofrei, L.P. Mocan, C.M. Mihai, C.O.Popa, G. Dindelegan,	In Vivo Biocompatibility Assessment of a Novel Cyanoacrylate–Polylactic Acid Hemostatic Patch, Materials 2025, 18(15), 3581	3.1	Q2		1	1
47	N.L. Paul, C.O. Popa, E.R. Ionescu,	Updates on the Advantages and Disadvantages of Microscopic and Spectroscopic Characterization of Magnetotactic Bacteria for Biosensor Applications, Biosensors 2025, 15(8), 472	5.6				
48	N.L. Paul, C.O. Popa, E.R. Ionescu,	Natural Iron Oxide Nanoparticles Produced by Aquatic Magnetotactic Bacteria as Ideal Nanozymes for Nano-Guided Biosensing Platforms—A Systematic Review, Biosensors 2025, 15(9), 590	5.6				
49	T.F. Marinca, F. Popa, F. Popa, A.Z. Mesaros, B.V. Neamtu, V.C. Prica, H.F. Chicinas, I. Chicinas	Effects of adding carbonyl Fe or Mn-Zn ferrite powders to fibre-based soft magnetic composites prepared via hybrid cold sintering/spark plasma sintering, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	8.7	Q1		1	1
50	T.F. Marinca, L. Cotojman, B.V.Neamtu, F. Popa, C.V. Prica, H. Hirian, N.A. Sechel, I. Ciascai, I. Chicinas,	Soft magnetic composite of Ni3Fe/ZnFe2O4 type obtained by mechanical alloying/milling and spark plasma sintering, CERAMICS INTERNATIONAL, 50 (2024) 7547-7557 DOI10.1016/j.ceramint.2023.12.061	5.6	Q1		1	
51	A. Mesaros, B.V. Neamtu, T.F. Marinca, F. Popa, G. Cupa, O.R. Vasile, I. Chicinas	Preparation of Fe@Fe3O4/ZnFe2O4 Powders and Their Consolidation via Hybrid Cold-Sintering/Spark Plasma-Sintering, Nanomaterials 14 (2024), DOI10.3390/nano14020149	4.3	Q2		1	1
52	F. Popa, T.F. Marinca, N.A. Sechel, D. Frunza, I. Chicinas	Influence of Long Milling Time on the Electrical Resistivity of Nanocrystalline Ni2MnSn Heusler Alloy Obtained by Mechanochemical Synthesis, Nanomaterials 14 (2024), DOI10.3390/nano14131156	4.3	Q2		1	1
53	Popa, F, Marinca, TF, Sechel, NA, Chicinas, HF, Frunza, DI, Chicinas, I	Mechanochemical synthesis formation study and electrical resistivity of short milled Fe50Mn35Sn15 Heusler intermetallic compound, INTERMETALLICS 181 (2025) DOI10.1016/j.intermet.2025.108738	4.8	Q1		1	
54	Popa, F, Marinca, TF, Sechel, NA, Frunza, DI, Chicinas, I	High Milling Time Influence on the Phase Stability and Electrical Properties of Fe50Mn35Sn15 Heusler Alloy Obtained by Mechanical Alloying, MATERIALS, 17 (2024), DOI10.3390/ma17174355	3.2	Q2		1	1
55	Popa, F, Marinca, TF, Neamtu, BV, Chicinas, I	Ni3Fe/Cr nanocrystalline soft magnetic composite compacts obtained by mechanical milling and spark plasma sintering, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 592 (2024), DOI10.1016/j.jmmm.2024.171800	3	Q3			1

56	Marinca, TF, Cotojman, L, Popa, F, Neamtu, BV, Prica, CV, Chicinas, I	Pseudo-Core-Shell Permalloy (Supermalloy)@ZnFe2O4 Powders and Spark Plasma Sintered Compacts Based on Mechanically Alloyed Powders, MATERIALS, 17 (2024), DOI10.3390/ma17164139	6 Q2	1	1
57	Prica, CV, Marinca, TF, Popa, F, Sechel, AN, Neamtu, BV, Chicinas, HF, Chicinas, I	Cu-Al-Ni Nanocrystalline Compacts Obtained by Spark Plasma Sintering of Mechanically Alloyed Powders, MATERIALS, 17 (2024), DOI10.3390/ma17194847	3.2 Q2	1	1
58	Neamtu, BV, Nasui, M, Cupa, G, Ware, E, Popa, F, Marinca, TF, Chicinas, I	Effects of adding carbonyl Fe or Mn-Zn ferrite powders to fibre-based soft magnetic composites prepared via hybrid cold sintering/spark plasma sintering, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, 28 (2024) 2969-2979, DOI10.1016/j.jmrt.2023.12.23	6.6 Q1	1	1
59	Cebotari, V, Popa, F, Marinca, TF, Neamtu, BV, Sechel, NA, Galatanu, M, Galatanu, A, Chicinas, I	Obtaining and characterisation of thermoelectric Mg2Si compound via wet and dry mechanical alloying and spark plasma sintering, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, 26 (2023) 8904-8914 DOI10.1016/j.jmrt.2023.09.167	6.6 Q1	1	1
60	Marinca, TF, Neamtu, B, Popa, F, Mesaros, AZ, Ciascai, I, Chicinas, I	Novel supermalloy/alumina type soft magnetic composite obtained by reaction spark plasma sintering of Al-Supermalloy (Ni70.5Fe18.8Mo4.7Al6) surface oxidized particles, JOURNAL OF ALLOYS AND COMPOUNDS, 940 (2023) DOI10.1016/j.jallcom.2023.168899	6.3 Q1	1	
61	Neamtu, BV, Nasui, M, Stoian, G, Popa, F, Marinca, TF, Bere, P, Lupu, N, Chicinas, I	Influence of coating process on the magnetic properties of cold-sintered CoFeSiB@BaTiO3 fibres based soft magnetic composites, CERAMICS INTERNATIONAL, 24 (2023) 40914-40923PartA, DOI10.1016/j.ceramint.2023.10.078	5.6 Q1	1	
62	Popa, F, Cebotari, V, Marinca, TF, Isnard, O, Chicinas, I	Crystallographic and magnetic analysis of ordered-disordered Ni51Mn34Sn15 Heusler alloy obtained by mechanical alloying and annealing, JOURNAL OF ALLOYS AND COMPOUNDS, 964 (2023), DOI10.1016/j.jallcom.2023.171275	6.3 Q1	1	
63	Cotojman, L, Marinca, TF, Popa, F, Neamtu, BV, Prica, VC, Chicinas, I	Producing Soft Magnetic Composites by Spark Plasma Sintering of Pseudo Core-Shell Ni-Fe Alloy@Mn0.5Zn0.5Fe2O4 Powders, MATERIALS, 16 (2023) DOI10.3390/ma16020501	3.2 Q2	1	1
64	Popa, F, Isnard, O, Neamtu, BV, Chicinas, I	Frequency Properties of Polymer Bonded Compacts Obtained from Ball Milled Permalloy Powders with Mo and Cu Additions, MATERIALS, 16 (2023) DOI10.3390/ma16020592	3.2 Q2	1	1
65	Marinca, TF, Popa, F, Neamtu, BV, Prica, VC, Chicinas, I	Permalloy/alumina soft magnetic composite compacts obtained by reaction of Al-permalloy with Fe2O3 nanoparticles upon spark plasma sintering, CERAMICS INTERNATIONAL, 49 (2023) 2272-2281 DOI10.1016/j.ceramint.2022.09.195	5.6 Q1	1	
66	Marinca, TF, Sule, AI, Hirian, R, Sechel, AN, Popa, F, Neamtu, BV, Chicinas, I	Al-Permalloy (Ni71.25Fe23.75Al5) obtained by mechanical alloying. The influence of the processing parameters on structural, microstructural, thermal, and magnetic characteristics, ADVANCED POWDER TECHNOLOGY, 33 (2022) DOI10.1016/j.appt.2022.103642	4.2 Q2	1	
67	Prica, CV, Sechel, NA, Neamtu, BV, Marinca, TF, Popa, F, Chicinas, HF, Chicinas, I	Superalloy/Al2O3 type Composite Compacts Obtained by Spark Plasma Sintering from Mechanically Alloyed Powders, SCIENCE OF SINTERING, 54 (2022) 335-347 DOI10.2298/SOS2203335P	1.3 Q3		1
68	Neamtu, BV, Pszola, M, Opris, A, Popa, F, Marinca, TF, Chicinas, I	Influence of fibres diameter on the AC and DC magnetic characteristics of Fe/Fe3O4 fibres based soft magnetic composites, CERAMICS INTERNATIONAL, 47 (2021) 1865-1874 DOI10.1016/j.ceramint.2020.09.015	5.6 Q1	1	
69	Neamtu, BV, Irimie, A, Popa, F, Gabor, MS, Marinca, TF, Chicinas, I	Soft magnetic composites based on oriented short Fe fibres coated with polymer, JOURNAL OF ALLOYS AND COMPOUNDS 840 (2020) Article Number 155731	6.3 Q1	1	
70	Cotai, A, Miraglia, S, Neamtu, BV, Marinca, TF, Chicinas, HF, Isnard, O, Chicinas, I	A COMPARATIVE STUDY OF NANOCRYSTALLINE Fe38.5 Co38.5 Nb7 P15Cu1 ALLOYS OBTAINED BY MECHANICAL ALLOYING AND RAPID QUENCHING, ARCHIVES OF METALLURGY AND MATERIALS, 67 (2022) 555-561 DOI10.24425/amm.2022.137790	0.7 Q4		1
71	Marinca, TF, Neamtu, BV, Popa, F, Mesaros, A, Chicinas, I	Spark Plasma Sintered Soft Magnetic Composite Based on Fe-Si-Al Surface Oxidized Powders, MATERIALS 15 (2022) Article Number 7875 DOI10.3390/ma15227875	3.2 Q2	1	1

72	Prica, CV, Marinca, TF, Neamtu, BV, Sechel, AN, Popa, F, Jozsa, EM, Chicinas, I	Invar/WC Composite Compacts Obtained by Spark Plasma Sintering from Mechanically Alloyed Powders, MATERIALS 15 (2022) Article Number 6714 DOI10.3390/ma15196714	3.2 Q2	1	1
73	Popa, F, Marinca, TF, Neamtu, BV, Gabor, M, Chicinas, I	Structural, Chemical and Magnetic Characterization of Quartz Sand from Cluj Area, Romania for Future Beneficiation in the Glass Industry, MATERIALS 15 (2022) Article Number 9026 DOI10.3390/ma15249026	3.2 Q2	1	1
74	Cotai, A, Neamtu, BV, Popa, F, Marinca, TF, Isnard, O, Chicinas, I	Synthesis and characterisation of amorphous Fe38.5Co38.5Nb7B15Cu1 powders via mechanosynthesis using industrial raw materials, JOURNAL OF ALLOYS AND COMPOUNDS 880 (2021) Article Number 160497 DOI10.1016/j.jallcom.2021.160497	6.3 Q1	1	
75	Marinca, TF, Sas, MC, Mesaros, A, Hirian, R, Popa, F, Neamtu, BV, Chicinas, I	Al-Supermalloy and Al-Supermalloy@oxide magnetic powder. Structural, morphological, thermal, and magnetic characterization, MATERIALS CHEMISTRY AND PHYSICS 291 (2022) Article Number 126727 DOI10.1016/j.matchemphys.2022.126727	4.7 Q2	1	
76	Medrea, C, Papageorgiou, DG, Bravos, H, Chicinas, I	Failure analysis of a fan blade holding assemblment, installed on the cooling tower of a power plant, ENGINEERING FAILURE ANALYSIS, 127 (2021) Article Number 105505 DOI10.1016/j.engfailanal.2021.105505	5.7 Q1	1	
77	Neamtu, BV, Opris, A, Pszola, P, Popa, F, Marinca, TF, Vlad, N, Chicinas, I	Preparation and characterisation of soft magnetic composites based on Fe fibres, JOURNAL OF MATERIALS SCIENCE 55 (2020) 414-424 DOI10.1007/s10853-019-04088-1	3.9 Q2	1	
78	Hirian, R, Neamtu, BV, Ferenczi, A, Isnard, O, Chicinas, I, Pop, V	EFFECT OF SPARK PLASMA SINTERING ON THE INTERPHASE EXCHANGE COUPLING IN SmCo5+20%Fe HARD/SOFT NANOCOMPOSITES, ROMANIAN JOURNAL OF PHYSICS 65 (2020) Article Number 603	1.9 Q2	1	
79	Stanciu, CD, da Cunha, JBM, Chicinas, I, Isnard, O	Structural, magnetic and Mossbauer spectroscopy characterisation of the Fe-15wt %Si nanocrystalline powder obtained by mechanical alloying and annealing , JOURNAL OF ALLOYS AND COMPOUNDS 797 (2019) 865-873 DOI10.1016/j.jallcom.2019.05.156	6.3 Q1	1	
80	Nasui, M.; Sonher, R.B.; Ware, E.; Daniel, A.; Petrisor, T., Jr.; Gabor, M.S.; Ciontea, L.; Petrisor, T.,	Morphological and Structural Evolution of Chemically Deposited Epitaxially LaNiO3 Thin Films. Coatings 11 (2021) 1376	2.8 Q2	1	1
81	R.B 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 159 (2021) 105289	6.2 Q1	1	
82	Andrada Daniel, Mircea Nasui, Traian Petrisor Jr, Ramona Bianca Sonher, Andrea Augieri, Cornelia Pop, Anna Palau, Angelo Vannozzi, Giuseppe Celentano, Lelia Ciontea, Traian Petrisor,	Investigation of diethanolamine (DEA) as a chelating agent in the fabrication of fluorine-free propionate route YBa2Cu3O7 (YBCO) thin films , Superconductor Science and Technology 35 (5), (2022) 054010	4.1 Q2	1	
83	Popescu, Violeta; Molea, Andreia; Moldovan, Marioara; Lopes, Pompilia Mioara; Mazilu Moldovan, Amalia; Popescu, George Liviu;	The influence of enzymatic hydrolysis of whey proteins on the properties of gelatin-whey composite hydrogels, Materials, 14, 13, 2021, 3507	3.748 Q2	1	1
84	Mazilu, Amalia; Popescu, Violeta; Sarosi, Codruta; Dumitrescu, Radu Silaghi; Chisnoliu, Andrea Maria; Moldovan, Marioara; Dumitrescu, Laura Silaghi; Prodan, Doina; Carpa, Rahela; Gheorghe, Georgiana Florentina;	Preparation and in vitro characterization of gels based on bromelain, whey and quince extract, Gels, 7, 4, 2021, 191	4.43 Q1	1	1
85	Mazilu Moldovan, Amalia; Popescu, Violeta; Ionescu, Corina Violeta; Cuc, Stanca; Craciun, Antarinia; Moldovan, Marioara; Dudea, Diana; Mesaros, Anca Stefania;	Various aspects involved in the study of tooth bleaching procedure: A questionnaire–Based study, International Journal of environmental research and public health, 19, 7, 2022, 3977	4.614 Q1	1	
86	Purcea Lopes, Pompilia Mioara; Moldovan, Dumitrița; Moldovan, Marioara; Carpa, Rahela; Saroși, Codruța; Pășcuță, Petru; Mazilu Moldovan, Amalia; Fechete, Radu; Popescu, Violeta;	New composite hydrogel based on whey and gelatin crosslinked with copper sulphate, Materials, 15, 7, 2022, 2611	3.4 Q2	1	1
87	Turza, Alexandru; Popescu, Violeta; Mare, Liviu; Borodi, Gheorghe;	Structural aspects and intermolecular energy for some short testosterone esters, Materials, 15, 20, 2022, 7245	3.4 Q2	1	1
88	Lopes, Pompilia Mioara Purcea; Moldovan, Dumitrița; Fechete, Radu; Prodan, Doina; Pop, Carmen Rodica; Rotar, Ancuța M; Popescu, Violeta;	Swelling and antimicrobial activity characterization of a GO-reinforced gelatin—whey hydrogel, Gels, 9, 1, 2022, 18	4.6 Q1	1	1

89	Popescu, Violeta; Prodan, Doina; Cuc, Stanca; Saroși, Codruța; Furtos, Gabriel; Moldovan, Andrei; Carpa, Rahela; Bomboș, Dorin;	Antimicrobial poly (lactic acid)/copper nanocomposites for food packaging materials, Materials, 16, 4, 2023, 1415	3.1 Q2	1					1
90	Turza, Alexandru; Pascuta, Petru; Mare, Liviu; Borodi, Gheorghe; Popescu, Violeta;	Structural insights and intermolecular energy for some medium and long-chain testosterone esters, Molecules, 28, 7, 2023, 3097	4.2 Q2		1				1
91	Purcea Lopes, Pompilia Mioara; Moldovan, Dumitrita; Fechete, Radu; Mare, Liviu; Barbu-Tudoran, Lucian; Sechel, Niculina; Popescu, Violeta;	Characterization of a Graphene oxide-reinforced whey hydrogel as an eco-friendly absorbent for food packaging, Gels, 9, 4, 2023, 298	4.6 Q1		1				1
92	Mare, Liviu; Muresan-Pop, Marieta; Purcea Lopes, Pompilia Mioara; Turza, Alexandru; Borodi, Gheorghe; Popescu, Violeta;	Crystal structure and intermolecular energy for some nandrolone esters, Molecules, 28, 20, 2023, 7179	4.2 Q2			1			1
93	Purcea Lopes, Pompilia Mioara and Moldovan, Dumitrita, Marioara Moldovan, Rahela Crpa, Codruta Sarosi, Petru Pascuta, Amalia Mazilu, Radu Fechete, Violeta Popescu	New composite hydrogel based on whey and gelatin crosslinked with copper sulphate Materials, 15, (7), 2022, 2611	3.4 Q2			1			1
94	Lopes, Pompilia Mioara; Fechete, Radu; Minteuan, Felicia; Mare, Liviu; Moldovan, Dumitrița; Moldovan, Marioara; Cuc, Stanca; Saroși, Codruța Liana; Popescu, Violeta;	The Influence of Lyophilization Pretreatment and Whey Content on Whey and Gelatin-Based Hydrogels, Gels, 10, 4, 2024, 229	5.3 Q1		1				1
95	Turza, Alexandru; Pascuta, Petru; Muresan-Pop, Marieta; Mare, Liviu; Borodi, Gheorghe; Popescu, Violeta;	Five novel polymorphs of cardarine/GW501516 and their characterization by X-ray diffraction, computational methods, thermal analysis and a pharmaceutical perspective, Pharmaceutics, 16, 5, 2024, 623	5.5 Q1		1				1
96	Turza, Alexandru; Bosca, Maria; Muresan-Pop, Marieta; Mare, Liviu; Borodi, Gheorghe; Popescu, Violeta;	Novel Solid Forms of Cardarine/GW501516 and Their Characterization by X-Ray Diffraction, Thermal, Computational, FTIR, and UV Analysis, Pharmaceutics, 17, 2, 2025, 152	5.5 Q1		1				1
97	M.Lucaci, S. Gavrilu, . Lungu, I. Vida-Simiti, I. Roman,	A New Family of Powder for Electrical Engineering Applications, Journal of Optoelectronics and Advanced Materials (6), (2004) p.947-950.	0.39 Q4					1	
98	Cristina Ileana Pascu, S.Gheorghe, C. Nicolicescu, I. Vida-Simiti	Research about the Tribological Properties Improvement of an Alloy Based on Titanium Hydride Powder for Automotive Components, Acta Technica Napocensis, Vol. 64, Issue I, march, 2021, p. 39-4	0.2 Q4					1	
99	Gy. Thalmaier, N. A. Sechel, A. Csapai, C. Popa , G. Batin, A. Gábor, T. Mankovits, I. Vida-Simiti	Aluminium Perlite Syntactic Foams, Materials Journal, 2022, 15,(15), 5446 (WoS).	3.5 Q2		1				1
100	Argentina Niculina Sechel , C.V. Prică, Loredana-Maria Baglaevschi, Gy. Thalmaier, T.F. Marınca, I.Vida-Simiti , F. Popa	Characterization of Invar Syntactic Foams Obtained by Spark Plasma Sintering, Applied. Sciences. 2025, 15, 2932, doi.org./103390/app.15062932., (article online).	2.5 Q3					1	1
101	Gy. Thalmaier, Nicoleta Cobîrzan, Niculina A. Sechel, I..Vida-Simiti	Paraffin Graphite Composite Spheres for Thermal Energy Management, Materials 2025, 18, 1482, Materials 2025, 18(7), 1482; https://doi.org/10.3390/ma18071482 (article online)	3.5 Q2		1				1
Factor impact total			386.38	33	51	4	10	58	
Factor impact mediu			3.83						