Fisa de evaluare conf. OM OM 6129 / 2016

Neamtu Bogdan Viorel
Departamentul Știința și Ingineria Materialelor

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)	Prim autor DA=1; NU=0
1					1	0	0.00	
2					1	0	0.00	
3					1	0	0.00	
						TOTAL A1.1.1.1	0.00	

A1.1.1.2 Carti/ capitole ca autor, nationale

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Nr. Autori	Nr. Pag.	Indicator (kpi)	
1	B.V. Neamtu	Analiza termica a materialelor, capitol in Metode de caracterizare a materialelor	UTPRESS UTPRESS - ISBN 978-606-737-300-4	2018	1	111	22.20	1
2	B.V. Neamtu	Aliaje amorfe cu baza Fe și Co obținute prin aliere mecanică și răcire rapidă	U.T.PRESS, ISBN 978-606-737-796-5	2025	1	117	23.40	1
						TOTAL A1.1.1.2	45.60	

Total prim autor **2** min 2

A1.1.2.1 Carti /capitole ca editor, internationale

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Nr. Editori	Nr. Pag.	Indicator (kpi)
1	T.F. Marinca, B.V. Neamțu, F. Popa	Powder Metallurgy and Advanced Materials	Materials Research Forum LLC, Millersville, SUA - ISBN 978-1-945291-98-2	2018	3	234	26.00
2						0	
						TOTAL A1.1.2.1	26.00

A1.1.2.2 Carti/capitole ca editor, nationale

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Nr. Editori	Nr. Pag.	Indicator (kpi)
	TF. Marinca, B.V. Neamțu, F. Popa	Book of Abstracts - 5th International Conference on Powder Metallurgy & Advanced Materials	UTPress, Cluj-Napoca, ISBN 978-606-737-260-1	2017	3	167	7.95
1					1	0	0.00
						TOTAL A1.1.2.2	7.95

A1.2 Manuale didactice / Lucrari didactice

A1.2.1.Manuale didactice / Monografii/Inclusiv electronice

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Nr. Autori	Nr. Pag.	Indicator (kpi)	Prim autor (DA=1, NU=0)
1	B.V. Neamtu	Notiuni de control nedistructiv	UTPress, ISBN 978-606-737-378-3	2019	1	176	17.60	1
2	B.V. Neamtu	Learning Materials Processing – The Technology Behind Everyday Products	U.T.PRESS, ISBN 978-606-737-795-8	2025	1	109	10.90	1
						TOTAL A1.2.1	28.50	

Total prim autor **2** min=2

A1.2.2.Indrumatoare de laborator/aplicatii

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Nr. Autori	Nr. Pag.	Indicator (kpi)
1	B.V. Neamtu, T.F. Marinca, F. Popa	Tehnici de analiza a materialelor. Aplicatii practice	UTPRESS, ISBN 978-606-737-033-1.	2015	3	186	3.10
2							

TOTAL A1.2.2	3.10

TOTAL A1	111.15

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	Titlul, revista, vol, nr., an, pag	Factor de Impact	Nr. Autori	Indicator (kpi)	Autor principal (min. 15)
						DA=1; NU=0
1	R. Lapusan, A. Balmus, R. Fechete, B.V. Neamtu, J. Ponti, R. Borlan, M. Focsan,	From fundamentals to applications: magnetic nanoparticles for MRI imaging and NIR-induced thermal activation in tissue-mimicking environments, Journal of Materials Chemistry: B. DO:I10.1039/d5tb01160d	5.7	7	40.71	0
2	T.F. Marinca, F. Popa, A.Z. Mesaroș, B.V. Neamțu, H.F. Chicinaș, I. Chicinaș	Soft magnetic composite obtained by interface reaction upon spark plasma sintering using double-coated Al-permalloy (Ni71.25Fe23.75Al5) composite particles, Applied Surface Science Advances, 28 (2025) 100793. https://doi.org/10.1016/j.apsadv.2025.100793	8.7	6	72.50	0
3	Prica, C.-V., Marinca, T.F., Popa, F., Sechel A.N., Neamtu B.V. Chicinaș, H.F., Chicinaș, I	Cu-Al-Ni Nanocrystalline Compacts Obtained by Spark Plasma Sintering of Mechanically Alloyed Powders, Materials, 17(19), (2024) 4847. https://doi.org/10.3390/ma17194847	3.2	7	22.86	0
4	Marinca, T.F., Cotojman, L., Popa, F., Neamtu B.V., Pricǎ, C.-V., Chicinaș, I.	Pseudo-Core-Shell Permalloy (Supermalloy)@ZnFe2O4 Powders and Spark Plasma Sintered Compacts Based on Mechanically Alloyed Powders, Materials, 17(16), (2024) 4139. https://doi.org/10.3390/ma17164139	3.2	6	26.67	0
5	Florean, C.T., Vermeșan, H., Gabor, T., NeamtuB.V., Thalmayer G., Hegy A., Csapai, A., Lăzărescu, A.-V.	Influence of TiO2 Nanoparticles on the Physical, Mechanical, and Structural Characteristics of Cementitious Composites with Recycled Aggregates, Materials, 17(9), (2024) 2014. https://doi.org/10.3390/ma17092014	3.2	8	20.00	0
6	Marinca, T.F., Cotojman, L., Neamțu, B.V., Popa F, Prica C.V., Hirian R., Sechel N.A., Ciascai, I., Chicinaș, I.	Soft magnetic composite of Ni3Fe/ZnFe2O4 type obtained by mechanical alloying/milling and spark plasma sintering, Ceramics International, 50(5), (2024) 7547–7557. https://doi.org/10.1016/j.ceramint.2023.12.061	5.6	9	31.11	0
7	Popa, F., Marinca, T.F., Neamțu, B.V., Chicinaș, I.	Ni3Fe/Cr nanocrystalline soft magnetic composite compacts obtained by mechanical milling and spark plasma sintering, Journal of Magnetism and Magnetic Materials, 592, (2024) 171800. https://doi.org/10.1016/j.jmmm.2024.171800	3	4	37.50	0
8	Florean, C.T., Vermesan, H., Thalmaier, G., Neamtu B.V., Gabor T, Campean C., Hegyi, A., Csapai, A.	The Influence of TiO2 Nanoparticles on the Physico–Mechanical and Structural Characteristics of Cementitious Materials, Coatings, 14(2), (2024) 218. https://doi.org/10.3390/coatings14020218	2.8	8	17.50	0
9	Florean, C., Vermesan, H., Gabor, T., Neamtu B.V., Thalmayer G., Corbu O., Lazarescu A.V., Hegyi, A., Csapai, A.	POSSIBILITIES FOR CONSERVING NATURAL RESOURCES AND THE ENVIRONMENT THROUGH THE USE OF RECYCLED WASTE AGGREGATES AS A SUBSTITUTE FOR NATURAL AGGREGATES IN CEMENTITIOUS COMPOSITES, International Journal of Conservation Science, 15(1), (2024) 526–546. DOI: 10.36868/IJCS.2024.01.10	0.8	9	4.44	0
10	Mesaros, A., Neamțu, B.V., Marinca, T.F., Popa F., Cupa G., Vasile, O.R., Chicinaș, I.	Preparation of Fe@Fe3O4/ZnFe2O4 Powders and Their Consolidation via Hybrid Cold-Sintering/Spark Plasma-Sintering, Nanomaterials, 14(2), (2024) 149. https://doi.org/10.3390/nano14020149	4.3	7	30.71	0
11	Neamțu, B.V., Năsui, M., Cupa, G., Ware E., Popa F., Marinca, T.F., Chicinaș, 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, 28, (2024) 2969–2979. https://doi.org/10.1016/j.jmrt.2023.12.231	6.6	7	47.14	1
12	Neamțu, B.V., Năsui, M., Stoian, G., Popa F., Marinca T.F., Bere P., Lupu, N., Chicinaș, I.	Influence of coating process on the magnetic properties of cold-sintered CoFeSiB@BaTiO3 fibres based soft magnetic composites, Ceramics International, 49(24), (2023) 40914–40923. https://doi.org/10.1016/j.ceramint.2023.10.078	5.6	8	35.00	1
13	Cebotari, V., Popa, F., Marinca, T.F.,Neamtu B.V. Sechel.A., Galatanu, A., Chicinaș, I.	Obtaining and characterisation of thermoelectric Mg2Si compound via wet and dry mechanical alloying and spark plasma sintering, Journal of Materials Research and Technology, 26, (2023). 8904–8914. https://doi.org/10.1016/j.jmrt.2023.09.167	6.6	7	47.14	0
14	Marinca, T.F., Neamțu, B.V., Popa, F., Mesaros A.Z., Ciascai, I., Chicinaș, 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) 168899. https://doi.org/10.1016/j.jallcom.2023.168899	6.3	6	52.50	0
15	Neamțu, B.V., Popa, F., Marinca, T.F., Chicnaș, I.	Soft magnetic composites based on Fe fibres and powders prepared by cold sintering process, Journal of Alloys and Compounds, 933 (2023) 167799. https://doi.org/10.1016/j.jallcom.2022.167799	6.3	4	78.75	1
16	Marinca, T.F., Popa, F., Neamțu, B.V., Pricǎ, V.C., Chicinaș, I.	Permalloy/alumina soft magnetic composite compacts obtained by reaction of Al-permalloy with Fe2O3 nanoparticles upon spark plasma sintering, Ceramics International, 2023, 49(2), pp. 2272–2281. https://doi.org/10.1016/j.ceramint.2022.09.195	5.6	5	56.00	0
17	Popa, F., Isnard, O., Neamțu, B.V., Chicinaș, I.	Frequency Properties of Polymer Bonded Compacts Obtained from Ball Milled Permalloy Powders with Mo and Cu Additions, Materials, 2023, 16(2), 592. https://doi.org/10.3390/ma16020592	3.2	4	40.00	0
18	Cotojman, L., Marinca, T.F., Popa, F.,Neamtu B.V. , Pricǎ, V.C., Chicinaș, I.	Producing Soft Magnetic Composites by Spark Plasma Sintering of Pseudo Core–Shell Ni–Fe Alloy@Mn0.5Zn0.5Fe2O4 Powders, Materials, 16(2), (2023) 501. https://doi.org/10.3390/ma16020501	3.2	6	26.67	0

19	Popa, F., Marinca, T.F., Neamțu, B.V., Gabor, M., Cicinaș, I.	Structural, Chemical and Magnetic Characterization of Quartz Sand from Cluj Area, Romania for Future Beneficiation in the Glass Industry, Materials, 15(24), (2022) 9026. https://doi.org/10.3390/ma15249026	3.2	5	32.00	0
20	Marinca, T.F., Sas, M.C., Mesaroș, A., Hirian, R., Popa, F., Neamțu, B.V., Chicinaș, I.	Al-Supermalloy and Al-Supermalloy@oxide magnetic powder. Structural, morphological, thermal, and magnetic characterization, Materials Chemistry and Physics, 291 (2022) 126727. https://doi.org/10.1016/j.matchemphys.2022.126727	4.7	7	33.57	0
21	Marinca, T.F., Neamțu, B.V., Popa, F., Mesaroș, A., Chicinaș, I.	Spark Plasma Sintered Soft Magnetic Composite Based on Fe-Si-Al Surface Oxidized Powders, Materials 15(22), (2022) 7875. https://doi.org/10.3390/ma15227875	3.2	5	32.00	0
22	Neamțu, B.V., Popa, F., Ware, E., Marinca, T.F., Gabor, M.S., Piglesan, F.P., Nasui, M.	Hydrothermal Deposition of ZnO Layer on Fe-Based Amorphous Fibres Used for the Preparation of Cold Sintered Fibre-Based Soft Magnetic Composites, Coatings 12(10), (2022) 1527 . https://doi.org/10.3390/coatings12101527	2.8	7	20.00	1
23	Prica, C.-V., Marinca, T.F., Neamțu, B.V., Sechel, A.N., Popa, F., Jozsa, E.M., Chicinaș, I.	Invar/WC Composite Compacts Obtained by Spark Plasma Sintering from Mechanically Alloyed Powders, Materials 15(19), (2022) 6714. https://doi.org/10.3390/ma15196714	3.2	7	22.86	0
24	Ionescu, B.A., Chira, M., Vermeșan, H., Hegyi, A., Lazarescu, A.-V., Thalmayer, G., Neamtu, B.V., Gabor, T., Sur, I.M.	Influence of Fe2O3, MgO and Molarity of NaOH Solution on the Mechanical Properties of Fly Ash-Based Geopolymers, Materials, 15(19), (2022) 6965. https://doi.org/10.3390/ma15196965	3.2	9	17.78	0
25	Dindelegan, M.G., Pașcalău, V., Suciu, M., Neamtu, B.V., Perde-Schtepler, M., Maniu, A.A., Necula V., Buzoianu, A.D., Filip, M., Csapai, A., Popa, C.	Biopolymer Lipid Hybrid Microcarrier for Transmembrane Inner Ear Delivery of Dexamethasone, Gels, 8(8), (2022) 483. https://doi.org/10.3390/gels8080483	5.3	11	24.09	0
26	Marinca, T.F., Sule, A.I., Hirian, R., Sechel, A.N. Popa, F., Neamțu, B.V., Chicinaș, I.	Al-Permalloy (Ni71.25Fe23.75Al5) obtained by mechanical alloying. The influence of the processing parameters on structural, microstructural, thermal, and magnetic characteristics, Avanced Powder Technology, 33(7), (2022) 103642. https://doi.org/10.1016/j.apt.2022.103642	4.2	7	30.00	0
27	Prică, C.V., Sechel, N.A., Neamțu, B.V.,Marinca T.F., Popa, F., Chicinaș, H.F., Chicinaș, I.	Superalloy/Al2O3 type Composite Compacts Obtained by Spark Plasma Sintering from Mechanically Alloyed Powders, Science of Sintering, 54(3), (2022) 335-347.https://doi.org/10.2298/SOS2203335P	1.3	7	9.29	0
28	Cotai, A., Miraglia, S., Neamtu, B.V., Marinca, T.F., Chicinas, H.F., Isnard, O., Chicinas, I.	A Comparative Study of Nanocrystalline Fe38.5 Co38.5 Nb7 P15Cu1 Alloys Obtained by Mechanical Alloying and Rapid Quenching, Archive of Metallurgy and Materials, 67(2), (2022) 555-561. https://doi.org/10.24425/amm.2022.137790	0.7	7	5.00	0
29	Cotai, A., Neamțu, B.V., Popa, F., Marinca, T.F., Isnard, O., Chicinaș, I.	Synthesis and characterisation of amorphous Fe38.5Co38.5Nb7B15Cu1 powders via mechanosynthesis using industrial raw materials, Journal of Alloys and Compounds, 880 (2021) 160497. https://doi.org/10.1016/j.jallcom.2021.160497	6.3	6	52.50	0
30	Neamțu, B.V., Pszola, M., Opriș, A.,Popa, F., Marinca, T.F., Chicinaș, I.	Influence of fibres diameter on the AC and DC magnetic characteristics of Fe/Fe3O4 fibres based soft magnetic composites, Ceramics International, 47(2), (2021) 1865-1874. https://doi.org/10.1016/j.ceramint.2020.09.015	5.6	6	46.67	1
31	Neamțu, B.V., Pszola, M., Vermeșan, H., Stoian, G., Grigoras, M., Opris, A., Cotojman, L., Marinca T.F., Lupu, N., Chicinaș, I.	Preparation and characterisation of Fe/Fe3O4 fibres based soft magnetic composites, Ceramics International, 47(1), (2021) 581-589. https://doi.org/10.1016/j.ceramint.2020.08.165	5.6	10	28.00	1
32	Neamțu, B.V., Irimie, A., Popa, F., Gabor M.S., Marinca, T.F., Chicinaș, I.	Soft magnetic composites based on oriented short Fe fibres coated with polymer, Journal of Alloys and Compounds 840, (2020) 155731. https://doi.org/10.1016/j.jallcom.2020.155731	6.3	6	52.50	1
33	Neamțu, B.V., Belea, A., Popa, F., Ware, E., Marinca, T.F., Vintiloiu, I., Badea, C, Pszola, M., Nasui, M.	Properties of soft magnetic composites based on Fe fibres coated with SiO2 by hydrothermal method, Journal of Alloys and Compounds, 826 (2020) 154222, https://doi.org/10.1016/j.jallcom.2020.154222	6.3	9	35.00	1
34	Neamțu, B.V., Opriș, A., Pszola, P., Popa F., Matinca T.F., Vlad, N., Chicinaș, I.	Preparation and characterisation of soft magnetic composites based on Fe fibres, Journal of Materials Science 55(4), (2020). 1414-1424. https://doi.org/10.1007/s10853-019-04088-1	3.9	7	27.86	1
35	Hirian, R., Neamțu, B.V., Ferenczi, A., Isnard O., Chicinaș, 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(3-4) (2019) 603. WOS:000534373300009	1.9	6	15.83	0
36	Thalmaier G., Cobirzan N., Balog A.-A., Constantinescu H., Streza M., Nasui M., Neamtu B.V.	Influence of sawdust particle size on fired clay brick properties, Materiales de Construccion, 70(338) (2019) e215. https://doi.org/10.3989/MC.2020.04219	1.5	7	10.71	0
37	Prică, C.V., Neamțu, B.V., Marinca, T.F., Popa F., Sechel A.N., Isnard, O., Chicinaș, I.	Synthesis of Invar 36 type alloys from elemental and prealloyed powders by mechanical alloying, Powder Metallurgy, 62(3), pp. 155-161. https://doi.org/10.1080/00325899.2019.1625509	1.8	7	12.86	0
38	CV Prică, TF Marinca, BV Neamțu, F Popa, V Popescu, I Chicinaș	Structural and thermal investigation of Ta–25 mass% Cu alloy prepared by mechanosynthesis route, Journal of Thermal Analysis and Calorimetry, 136 (2019) 995-1001. https://doi.org/10.1007/s10973-018-7816-4	3.1	6	25.83	0
39	HF Chicinaș, DO Jucan, TF Marinca, BV Neamțu, G Conțiu, P Götze, A Eckert, CO Popa	Influence of milling media on the structure and agglomeration behaviour of some hardmetal powder, Powder Metallurgy, 61 (2018) 342-347.https://doi.org/10.1080/00325899.2018.1476081	1.8	8	11.25	0
40	HF Chicinaș, TF Marinca, BV Neamțu, G Conțiu, O Isnard, I Chicinaș	Influence of process control agent type on the mechanosynthesis of Fe3O4 particles, Advanced Powder Technology 29 (8), 2018, 1838-1847. https://doi.org/10.1016/j.apt.2018.04.020	4.2	6	35.00	0
41	C Voicu, F Popa, TF Marinca, BV Neamțu, M Lostun, N Lupu, I Chicinaș	Synthesis and characterisation of Al2O3/Ni-type composites obtained by spark plasma sintering, Powder Metallurgy 61 (3), 2018, 251-257. https://doi.org/10.1080/00325899.2018.1465722	1.8	7	12.86	0
42	David Boldrin, Andrei P Mihai, Bin Zou, Jan Zemen, Ryan Thompson, Ecaterina Ware, Bogdan V Neamtu, Luis Ghivelder, Bryan Esser, David W McComb, Peter Petrov, Lesley F Cohen	Giant Piezomagnetism in Mn3NiN, ACS applied materials & interfaces 10 (22), 2018, 18863-18868. https://doi.org/10.1021/acsami.8b03112	8.2	12	34.17	0
43	CV Prică, BV Neamțu, F Popa, TF Marinca, N Sechel, I Chicinaș	Invar-type nanocrystalline compacts obtained by spark plasma sintering from mechanically alloyed powders, Journal of materials science 53 (5), 2018, 3735-3743. https://doi.org/10.1007/s10853-017-1771-5	3.9	6	32.50	0
44	BV Neamțu, M Nasui, TF Marinca, F Popa, I Chicinaș	Soft magnetic composites based on hybrid coated Fe-Si nanocrystalline powders, Surface and Coatings Technology 330, (2017) 219-227. https://doi.org/10.1016/j.surfcoat.2017.09.088	6.1	5	61.00	1
45	TF Marinca, HF Chicinaș, BV Neamțu, F Popa, I Chicinaș	Reactive spark plasma sintering of mechanically activated α-Fe2O3/Fe, Ceramics International 43 (16), 2017, 14281-14291. https://doi.org/10.1016/j.ceramint.2017.07.180	5.6	5	56.00	0
46	TF Marinca, HF Chicinaș, BV Neamțu, O Isnard, A Mesaroș, I Chicinaș	Composite magnetic powder of Ni3Fe/Fe3O4 type obtained from Fe/NiO/Fe2O3 mixtures by mechanosynthesis and annealing, Journal of Alloys and Compounds 714, 2017, 484-492. https://doi.org/10.1016/j.jallcom.2017.04.263	6.3	6	52.50	0
47	BV Neamțu, HF Chicinaș, G Ababei, M Gabor, TF Marinca, N Lupu, I Chicinaș	A comparative study of the Fe-based amorphous alloy prepared by mechanical alloying and rapid quenching, Journal of Alloys and Compounds 703,2017, 19-25. https://doi.org/10.1016/j.jallcom.2017.01.359	6.3	7	45.00	1
48	Neamțu, B.V., Chicinaș, H.F., Marinca, T.F., Isnard, O., Pană, O., Chicinaș, I.	Amorphisation of Fe-based alloy via wet mechanical alloying assisted by PCA decomposition, Materials Chemistry and Physics,183 (2016) 83-92, https://doi.org/10.1016/j.matchemphys.2016.08.005	4.7	6	39.17	1
49	Neamțu, B.V., Chicinaș, H.F., Marinca, T.F., Isnard, O., Chicinaș, I., Popa, F.	Synthesis of amorphous Fe 75 Si 20− xMxB 5 (M= Ti, Ta, Zr) via wet mechanical alloying and its structural, thermal and magnetic characterisation, Advanced Powder Technology, 27 (2016) 461-470. https://doi.org/10.1016/j.apt.2016.01.027	4.2	6	35.00	1

50	Marinca, T.F., Chicinaş, H.F., Neamţu, B.V., Chicinaş, I., Isnard, O., Popa, F., Păşcuţă, P.	Nanocrystalline/nanosized Fe 3 O 4 obtained by a combined route ceramic-mechanical milling. Effect of milling on the chemical composition, formation of phases and powder characteristics, Advanced Powder Technology, 27 (2016) 1588-1596. https://doi.org/10.1016/j.apt.2016.05.022	4.2	7	30.00	0
51	Marinca, T.F., Chicinaş, I., Isnard, O., Neamţu, B.V.	Nanocrystalline/nanosized manganese substituted nickel ferrites–Ni 1− x MnxFe 2 O 4 obtained by ceramic-mechanical milling route, Creamics International, 42 (2016) 4754-4763. DOI: 10.1016/j.ceramint.2015.11.155	5.6	4	70.00	0
52	Marinca, T.F., Chicinaş, H.F., Neamţu, B.V., Isnard, O., Pascuta, P., Lupu, N., Stoian, G., Chicinaş, I.	Mechanosynthesis, structural, thermal and magnetic characteristics of oleic acid coated Fe 3 O 4 nanoparticles, Materials Chemistry and Physics, 171 (2016) 336-345. https://doi.org/10.1016/j.matchemphys.2016.01.025	4.7	8	29.38	0
53	Neamţu, B.V., Chicinaş, H.F., Marinca, T.F., Isnard, O., Chicinaş, I.	Preparation and characterisation of Co-Fe-Ni-M-Si-B (M = Zr, Ti) amorphous powders by wet mechanical alloying, Journal of Alloys and Compounds, 673 (2016) 80-85. https://doi.org/10.1016/j.jallcom.2016.02.233	6.3	5	63.00	1
54	Marinca, TF, Chicinas, I, Isnard, O, Neamtu, BV,	Nanocrystalline/nanosized Fe3O4 particles obtained by heat treatment and mechanical milling, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, 9(5-6), (2015), 730-733. WOS:000357764900031	0.4	4	5.00	0
55	TF Marinca, HF Chicinaş, BV Neamţu, O Isnard, I Chicinaş	Structural, thermal and magnetic characteristics of Fe 3 O 4/Ni 3 Fe composite powder obtained by mechanosynthesis-annealing route, Journal of Alloys and Compounds 652 (2015) 313-321. https://doi.org/10.1016/j.jallcom.2015.08.249	6.3	5	63.00	0
56	I Chicinaş, TF Marinca, F Popa, BV Neamţu	Rhometal interface in pseudo-core shell powders like Permalloy/Rhometal type, Applied Surface Science 358 (2015) 627-633. https://doi.org/10.1016/j.apsusc.2015.08.253	6.9	4	86.25	0
57	BV Neamţu, TF Marinca, I Chicinaş, O Isnard	Structural, magnetic and thermal characterization of amorphous FINEMET powders prepared by wet mechanical alloying, Journal of Alloys and Compounds 626 (2015) 49-55. https://doi.org/10.1016/j.jallcom.2014.11.158	6.3	4	78.75	1
58	BV Neamţu, TF Marinca, I Chicinaş, O Isnard, F Popa	Structural and magnetic characteristics of Co-based amorphous powders prepared by wet mechanical alloying, Advanced Powder Technology 26 (2015) 323-328. https://doi.org/10.1016/j.apt.2014.10.014	4.2	5	42.00	1
59	I. Chicinaş, T.F. Marinca, B.V. Neamţu, P. Pascuta, V.Pop	Thermal stability of the manganese-nickel mixed ferrite and iron phases in the Mn0.5Ni0.5Fe2O4/Fe composite/nanocomposite powder, Journal of Thermal Analysis and Calorimetry, 118 (2014) 1269–1275.https://doi.org/10.1007/s10973-014-3961-6	3.1	5	31.00	0
60	T.F. Marinca, B.V. Neamţu, I. Chicinaş, P. Pascuta	Influence of mechanical activation time, annealing and Fe/O ratio on Fe3O4/Fe composites formation from Fe2O3 and Fe powders mixture, Journal of Thermal Analysis and Calorimetry, 118 (2014) 1245–1251. https://doi.org/10.1007/s10973-014-3967-0	3.1	4	38.75	0
61	T.F. Marinca, B.V. Neamţu, I. Chicinaş, O. Isnard	Synthesis of Fe3O4/Fe nanocomposite powder from Fe2O3 and Fe powder by mechanosynthesis. Structural, thermal and magnetic characterisation, Journal of Alloys and Compounds, 608 (2014) 54-59.https://doi.org/10.1016/j.jallcom.2014.04.123	6.3	4	78.75	0
62	I. Chicinaş, T.F. Marinca, B.V. Neamţu, F. Popa, O. Isnard, V. Pop	Synthesis, structural and magnetic properties of nanocrystalline/nanosized manganese-nickel ferrite - Mn0.5Ni0.5Fe2O4, IEEE Transactions on Magnetics, 50(4) (2014) 2800704. https://doi.org/10.1109/TMAG.2013.2285246	1.9	6	15.83	0
63	B.V. Neamţu, T. F. Marinca, I. Chicinaş, O. Isnard, F. Popa, P. Pascuta	Preparation and soft magnetic properties of spark plasma sintered compacts based on Fe-Si-B glassy powder, Journal of Alloys and Compounds, 600 (2014) 1-7. https://doi.org/10.1016/j.jallcom.2014.02.115	6.3	6	52.50	1
64	B.V. Neamţu, I. Chicinaş, O. Isnard, I. Ciascai, F. Popa, T. F. Marinca	Consolidation and DC magnetic properties of nanocrystalline Supermalloy/iron composite cores prepared by spark plasma sintering, Journal of Magnetism and Magnetic Materials, 353 (2014) 6-10. https://doi.org/10.1016/j.jmmm.2013.10.021	3	6	25.00	1
65	T.F. Marinca, B.V. Neamţu, I. Chicinaş, O. Isnard	Structural and magnetic characteristics of composite compacts of Fe/Fe3O4 type obtained by sintering, IEEE Transaction on Magnetics, 50(4) (2014) 2800604. https://doi.org/10.1109/TMAG.2013.2285251	1.9	4	23.75	0
66	T.F. Marinca, B.V. Neamţu, F. Popa, V.F.Tarţa, P. Pascuta, A.F. Takacs, I. Chicinaş	Synthesis and characterization of the NiFe2O4/Ni3Fe nanocomposite powder and compacts obtained by mechanical milling and spark plasma sintering, Applied Surface Science, 285 (2013) 2-9.https://doi.org/10.1016/j.apsusc.2013.07.145	6.9	7	49.29	0
67	V.F. Tarţa, T.F. Marinca, I. Chicinaş, F. Popa, B.V. Neamţu, P. Pascuta, A.F. Takacs	Stability of Phases in Ball-Milled Zinc Ferrite/Iron Composite Produced by Spark Plasma Sintering, Materials and Manufacturing Processes, 28 (2013) 933-938. https://doi.org/10.1080/10426914.2013.792426	4.7	7	33.57	0
68	B.V. Neamţu, I. Chicinaş, O. Isnard, I. Ciascai, H. Chiriac, M. Lostun	Magnetic properties of nanocrystalline Ni3Fe compacts prepared by spark plasma sintering, Intermetallics 35 (2013) 98-103. https://doi.org/10.1016/j.intermet.2012.12.011	4.8	6	40.00	1
69	B.V. Neamţu, O. Geoffroy, I. Chicinaş, O. Isnard	AC magnetic properties of the soft magnetic composites based on Supermalloy nanocrystalline powder prepared by mechanical alloying, Materials Science and Engineering: B, 177 (2012) 661-665. https://doi.org/10.1016/j.mseb.2012.03.029	4.6	4	57.50	1
70	B. V. Neamţu, O. Isnard, I. Chicinas, V. Pop	Structural and magnetic properties of nanocrystalline NiFeCuMo powders produced by wet mechanical alloying, Journal of Alloys and Compounds 509 (2011) 3632-3637. https://doi.org/10.1016/j.jallcom.2010.12.126	6.3	4	78.75	1
71	B. V. Neamţu, O. Isnard, I. Chicinas, C. Vagner, N. Jumate, P. Plaindoux	Influence of benzene on the Ni3Fe nanocrystalline compound formation by wet mechanical alloying: an investigation combinig DSC, X-ray diffraction, mass and IR spectrometries, Materials Chemistry and Physics 125 (2011) 364-369. https://doi.org/10.1016/j.matchemphys.2010.10.056	4.7	6	39.17	1
72	B. V. Neamţu, O. Isnard, I. Chicinas, V. Pop	Influence of wet-milling process on magnetic properties of Supermalloy magnetic nanocrystalline powders, IEEE Transactions on Magnetics 46 (2010) 424-427. https://doi.org/10.1109/TMAG.2009.2034330	1.9	4	23.75	1
73	B.V. Neamţu, I. Chicinas, O. Isnard, F. Popa, V. Pop	Influence of wet milling conditions on the structural and magnetic properties of Ni3Fe nanocrystalline powders, Intermetallics, 19 (2011) 19-25. https://doi.org/10.1016/j.intermet.2010.09.004	4.8	5	48.00	1
74	L. Ciontea, T. Ristoiu, R.C. Suciu, T. Petrisor jr., B.V. Neamţu, A. Rufoloni, G. Celentano, T. Petrisor	Chemical processing and characterization of barium zirconate nanopowders, Journal of Optoelectronics and Advanced Materials, 9 nr. 3, (2007), 772-775. WOS:000243988200062	0.5	8	3.13	0

TOTAL ISI	2701.39

Nr. articole ISI	74

Nr. articole ISI ca autor principal	24

Articole in volume indexate ISI proceedings

Nr.	Autori	Titlul, revista, vol, nr., an, pag, DOI	Nr. Autori	Indicator (kpi)
1	BV Neamtu, TF Marinca HF Chicinas, F. Popa, I. Chicinas, O. Isnard, G. Ababei, M. Gabor	A comparative study of the Co-based amorphous alloy prepared by mechanical alloying and rapid quenching , Materials Research Proceedings 8 (2018) 157-166	**8**	0.63
2	TF Marinca, HF Chicinas, BV Neamtu, F. Popa, N. Sechel, I. Chicinas	Reactive mechanical milling of Fe-Ni-Fe2O3 mixtures, Materials Research Proceedings 8 (2018) 18-27	6	0.83
3	F. Popa, L. Copil, V. Cebotari, TF Marinca, BV Neamtu N. Sechel, I. Chicinas	Study on the particle size reduction by milling of quartz sand for magnetic separation, Materials Research Proceedings 8 (2018) 95-104,	7	0.71
4	VV Merie, A. Molea, VN Burnete, BV Neamtu, G. Negrea	Structural and optical characterization of titanium nitride thin films deposited by magnetron sputtering, Materials Research Proceedings 8 (2018) 134-142	5	1.00

5	T.F. Marinca, B.V. Neamţu, F. Popa, I. Chicinaş, O. Isnard	Nanocrystalline/nanosized mixed nickel-manganese ferrites obtained by mechanical milling, Solid State Phenomena, 216 (2014) 243-248	5	1.00
6	B.V. Neamţu, T. F. Marinca, I. Chicinaş, F. Popa, O. Isnard	Preparation and characterization of amorphous soft magnetic FeSiB powders and spark plasma sintered compacts, Solid State Phenomena, 216 (2014) 163-168	5	1.00
7	V.F. Tarţa, I. Chicinaş, T.F. Marinca, B.V. Neamţu, F. Popa, C.V. Pricã	Synthesis of the nanocrystalline/nanosized NiFe2O4 powder by ceramic method and mechanical milling, Solid State Phenomena, 188 (2012) 27-30	6	0.83
8	V.F. Tarţa, I. Chicinaş, T.F. Marinca, B.V. Neamţu, F. Popa	Effect of sintering parameters on the properties of ZnFe2O4/α-Fe nanocomposite compacts, Solid State Phenomena, 188 (2012) 31-36	5	1.00
9	T.F. Marinca, I. Chicinaş, V. C. Pricã, F. Popa, B.V. Neamţu	Zinc Ferrite Powder Synthesized by High Energy Reactive Ball Milling, Materials Science Forum, 672 (2011) 149-152	5	1.00
10	B.V. Neamţu, O. Isnard, I. Chicinas, F. Popa, O. Geoffroy, V. Pop	The influence of processing parameters on the magnetic properties of the nanocrystalline soft magnetic composites based on Ni3Fe, Materials Science Forum, 672 (2011) 187-190	6	0.83
11	I. Chicinaş, V. Pop, F. Popa, C. V. Pricã, T.F. Marinca, B.V. Neamţu, L.A. Sorcoi	Synthesis of the Mümetal Magnetic Powders by Mechanical Alloying, Materials Science Forum, 672 (2011) 157-160.	7	0.71
12	T. Petrişor, B.V. Neamţu, A. Ruffoloni, M.C. Rauca, L. Brândușan	Synthesis of silver free eutectic alloys for Be and Cu99.32Cr0.6Zr0.08 brazing, Advanced Materials Research, 23 (2007), 311-314	5	1.00
13	I. Chicinaş, O. Isnard, H. Chiriac, F. Popa, V. Pop, C.V. Pricã, B.V. Neamţu, T.F. Marinca,	Magnetic and thermomagnetic studies of the formation of the Rhometal powders by high energy mechanical milling, Journal of Physics: Conference Series, 303 (2011) 012087	8	0.63
14	V Cebotari, TF Marinca, F Popa, BV Neamţu, NA Sechel, R Hirian, I Chicinaş	Study on the Obtaining of MnSi1. 75 Intermetallic Compound by Mechanical Alloying, IOP Conference Series: Materials Science and Engineering 416 (1), 012069	7	0.71
15	I. Chicinaş, V. Pop, F. Popa, C.V. Pricã, T.F. Marinca, B.V. Neamţu, L.A. Sorcoi	Formation of the Hipernik Alloy by Mechanical Alloying, Materials Science Forum, 672 (2011) 68-71.	7	0.71
16	T.F. Marinca, B.V. Neamţu, F. Popa, I. Chicinaş, O. Isnard	Composite powder and compacts of iron/iron oxide type produced by mechanosynthesis and reactive sintering, Solid State Phenomena, 216 (2014) 29-34	5	1.00
17	Gabriel GHERASIM, György THALMAIER, Niculina SECHEL, SUTA Silvia, VIDA–SIMITI Ioan, Bogdan NEAMŢU, Cosmin CODREAN	RESEARCHES ON OBTAINING SINTERED Al80Fe10Ti10 FOAMS, ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, 58, 2015	**7**	0.71
			TOTAL ISI proc	**14.32**

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	S MICAN, RC GAVREA, BV NEAMŢU, M COLDEA, V POP	STRUCTURAL AND MAGNETIC PROPERTIES OF THE Mn 50 Al 46 Ni 4 ALLOY, Studia Universitatis Babes-Bolyai, Physica 59 (1) 2014	EBSCO	**5**	0.80
2	R HIRIAN, S MICAN, B NEAMŢU, V POP	SURFACTANT EFFECT ON THE STRUCTURAL AND MAGNETIC PROPERTIES OF Fe POWDERS PREPARED BY WET MILLING. Studia Universitatis Babes-Bolyai, Physica 60 (2) 2015	EBSCO	**4**	1.00
3	TF MARINCA, HF CHICINAŞ, BV NEAMŢU, F POPA, O ISNARD, I. CHICINAS	NANOCRYSTALLINE MAGNETITE-Fe 3 O 4 PARTICLES SYNTHESIZED BY MECHANICAL MILLING. Studia Universitatis Babes-Bolyai, Physica 60 (1) 2015	EBSCO	**6**	0.67
4	HF Chicinaş, BV Neamţu, TF Marinca, I Chicinaş	Synthesis of Fe75Si20-xB5Mx (M= Ti, Ta or Zr) Powders by Wet Mechanical Milling Advanced Engineering Forum 13, (2015) 54-58	EBSCO	4	1.00
5	B.V. Neamţu, T.F. Marinca, H. Chicinas, I. Chicinaş, O. Isnard	Effect of Process Control Agents on the FeSiB Powder Amorphisation by Wet Mechanical Alloying Advanced Engineering Forum 13 (2015) 37-41	EBSCO	5	0.80
6	TF Marinca, BV Neamţu, I Chicinaş, F Popa, P Pascuta	Composite compacts of Fe/Fe 3 O 4 type obtained by mechanical millingsintering-annealing route. Advanced Engineering Forum 13 (2015) 3-8	EBSCO	5	0.80
7	TF Marinca, BV Neamţu, I Chicinaş, O Isnard	Nanocrystalline/nanosized Fe 3 O 4 powder obtained by mechanosynthesis. Advanced Engineering Forum 13 (2015) 9-14	EBSCO	4	1.00
8	R.L. Orban, D. Salomie, M. Orban, B. Neamtu, N. Sechel, T. Lung	SHS synthesis from mechanically activated powdered components mixture of molybdenum aluminide Mo3Al for use at extremely high temperatures, Proc. World PM 2016, Hamburg, Germany, 9 -13 October 2016, Pub. European Powder Metallurgy Association (EPMA) ISBN: 978-189907248-4	SCOPUS	6	0.67
9	T.F. Marinca, M.C. Olaru, B.V. Neamţu, F. Popa, I. Chicinaş,	Influence of lanthanum doping on the structural, morphological and thermal characteristics of nickel ferrite, Romanian Journal of Technical Sciences - Applied Mechanics, 62(3) (2017) 206–217	Index Copernicus	5	0.80
	Chicinaş, I., Marinca, T.F., Popa, F., Neamţu, B.V., Pop, V., Pascuta, P.	Production of nanostructured powders like permalloy (supermalloy)/rhometal type, Euro PM 2014 Congress and Exhibition, Proceedings, 2014, Euro PM 2014 International Conference and Exhibition; The Messezentrum SalzburgSalzburg; Austria; 21 September 2014 through 24 September 2014; Code 117821	scopus	7	0.57
	I. Chicinaş, T.F. Marinca, B.V. Neamţu, F. Popa, V. Pop, O. Isnard, V.F. Tarţa	Producing of NiFe2O4/(metal, alloy) nanocomposite/composite powders and compacts by mechanical milling and spark plasma sintering, Materials Science and Technology Conference and Exhibition 2013, MS and T 2013 vol. 3, 2013, pag. 1713-1720, Code 102208	scopus	7	0.57
	I. Chicinaş, F. Popa, B.V. Neamţu, T.F. Marinca, O. Isnard, V. Pop	Soft Magnetic Nanocrystalline Ni-Fe-X and MeFe2O4 Powders Obtained by Mechanosynthesis, Studia Universitatis Babeş-Bolyai Physica, 2021, Volumul 66, Pagini 19-30, doi:10.24193/subbphys.2021.02	EBSCO	6	0.67
			TOTAL		**9.34**

Articole in volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI) (Scopus, IEEE Xplore, Science direct, Elsevier, …)

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

1	Chicinaş, B.V. Neamţu, O. Isnard, F. Popa, V. Pop, E. Dorolti	The influence of the wet-milling process on the properties of Ni3Fe and Supermalloy magnetic powders, Proc. EuroPM 2008 - International Conference and Exhibition, vol. I (2008) 39-44	Scopus	6	0.66
2					0.00
3					

TOTAL	0.66

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					
2					
3					

TOTAL A2.3	0.00

A2.3.2 Brevete de inventie nationale

25/nr.autori

Nr.	Autori	Titlul, nr. Brevet	National	Nr. Autori	Indicator (kpi)
1	I. Chicinaş, T.F. Marinca, F. Popa, B.V. Neamţu	Procedeu de obţinere a unei pulberi nanostructurate de tipul Permalloy (Supermalloy)/Rhometal, RO 130354 B/2016	da	4	6.25
				0	0.00

TOTAL A2.3.2	6.25

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					0.00
2					0.00

TOTAL A2.4.1.1	0.00

A2.4.1.2 Nationale

Nr.	Tip grant	Denumire proiect	Perioada	Nr. Ani	Indicator (kpi)
1	National	Pulberi şi miezuri magnetice moi amorfe cu baza fier şi cu baza cobalt obţinute prin aliere mecanică şi sinterizare în plasmă (PNII-RU-TE-2012-30367)	01.05.2013-30.09.2016	4	20.00
2	National	Miezuri magnetice compozite pe bază de fibre produse prin presare şi sinterizare în plasmă (PN-III-P1-1.1-TE-2016-0649)	10.10.2018 - 09.10.2020	2	10.00
3	National	Pulberi şi miezuri magnetice amorfe cu baza Fe obţinute din materiale cu preţ de cost scăzut - GNaC 2018 ARUT-ID142	2018	1	5.00
4	National	Compozite magnetice moi sinterizate la rece realizate din fibre feromagnetice amorfe, PN-III-P4-ID-PCE-2020-0175	2021 - 2023	3	15.00

TOTAL A2.4.1.2	50.00	min=2

A2.4.2. Membru in echipa

A2.4.2.1 Internationale

Nr.	Tip grant	Denumire proiect	Perioada	Nr. Ani	Indicator (kpi)
1					
2					
3					

TOTAL A2.4.2.1	0.00

A2.4.2.2 Nationale

Nr.	Tip grant	Denumire proiect	Perioada	Nr. Ani	Indicator (kpi)
	Nattional	Materiale functionale multiferoice pentru conersia energiei obtinute prin metode neconventionale. PN-IV-P1-PCE-2023-0969	2025 - 2027	1	2.00
	Nattional	Magneti compoziti cuplati prin schimb interfazic cu geometrie complexa printati 3D - PN-III-P2-2.1-PED2019-4696	2020-222	2	4.00
1	Nattional	Compromisul intre proprietatile magnetice si cele electrice in pulberi si compacte sinterizate composite magnetice moi, PN-III-P4-ID-PCE2020-2264	2021 - 2023	2	4.00
2	Nattional	Miezuri magnetice compozite de tip aliaj/oxid pentru aplicaţii eficiente din punct de vedere energetic în dispozitive electromagnetice, PN-III-P2-2.1-PED-2019-3763	2021 -2022	2	4.00

3	Nattional	Compacte magnetic moi pe bază de nanoferite dopate cu ioni de cobalt obținute prin sinterizare reactivă în plasmă - GNaC 2018 ARUT-ID137	2019	1	2.00
	Nattional	Miezuri magnetice sinterizate cu densitate mare de flux magnetic produse din pulberi pseudo core-shell/coreshell pentru aplicatii la frecvente medii si inalte (PN-III-P2-2.1PED-2016-1816)	2016-2018	2	4.00
4	National	Miezuri magnetice moi via metalurgia pulberilor. Dezvoltare si implementare tehnologie PN-III-P2-2.1-BG-2016- 0365	2016-2018	2	4.00
5	National	Tehnologie nouă de reducere a conținutului de fier din nisipuri cuarțoase prin separare magnetică PN-III-P2-2.1-BG-2016-0214.	2016-2018	2	4.00
6	National	Pulberi și compacte nanocristaline/nanostructurate magnetice moi obținute prin mecanosinteză și sinterizare în plasmă (PNII-ID-PCE-2012-4-0632)	2012 -2016	4	8.00
7	National	Compacte compozite/nanocompozite magnetic moi de tipul aliaj de fier/ferită mixtă de fier sinterizate în plasmă (PNII-RU-TE-2012-3-0378)	01.05.2013-30.09.2016	4	8.00
8	National	Pulberi si materiale nanocompozite magnetice moi de tipul ferita/metal de tranzitie (MeFe2O3/(Fe, Ni, Fe-Ni-X) cuplate prin schimb, obtinute prin mecanosinteza (ID-1519/2008);	2008 - 2011	3	6.00
9	National	Materiale magnetice nanocompozite intarite prin schimb (72-186/2008)	2008 - 2011	3	6.00
10	National	Pulberi și materiale nanocristaline magnetice moi, pe bază de Fe și Ni, obținute prin mecanosinteză. Preparare, proprietăți, realizarea de compacte nanocristaline pentru aplicații (PN II 71 - 015/2007)	2007 - 2010	4	8.00
11	National	Materiale noi, din compuși intermetalici, folosite ca ținte de iradiere pentru sursele gama de iridiu și cobalt, utilizate în industrie și medicină (PN II 71-141/2007)	2007 - 2010	3	6.00
12	National	Configuratii ordonate de nanoparticule feromagnetice si superparamagnetice (PN II 71-119/2007)	2007 - 2010	3	6.00
13	National	Recherche sur les compacts composites doux type Permalloy / poudres d'alliages Fe-Si obtenus par mecanosynthèse & frittage plasma (Proiect bilateral România Franța PHC Brancusi 2013/2014 - 28847YK) Institut Neel, Grenoble Franța - Universitatea Tehnică din Cluj-Napoca, România	2013-2014	2	4.00
14	National	Studiul efectului magnetocaloric în compuși intermetalici și oxidici nanostructurați, 2006-2008, CEEX Contract nr.2-CEx06-11-102/2006	2006 - 2008	3	6.00
15	National	Studiul obținerii pulberilor magnetice moi Fe-Ni, Fe-Ni-X, Fe-Ni-X-Y, nnocristaline prin aliere mecanică (cod grant: CNCSIS 1205/2006)	2007 - 2009	2	4.00
				TOTAL A2.4.2.1	**88.00**
				TOTAL A2	**2869.96**

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	B. V. Neamțu, O. Isnard, I. Chicinas, C. Vagner, N. Jumate, P. Plaindoux, Influence of benzene on the Ni3Fe nanocrystalline compound formation by wet mechanical alloying: an investigation combinig DSC, X-ray diffraction, mass and IR spectrometries, Materials Chemistry and Physics 125 (2011) 364-369	Nazari Keivan A.; Nouri Alireza; Hilditch, Tim, The addition of a surfactant at regular time intervals in the mechanical alloying process, Journal of alloys and Compounds, 615 (2014), 47-55 . DOI: 10.1016/j.jallcom.2014.06.142	6	6.3	5.00
2		Nouri, Alireza; Wen, Cuie, Surfactants in Mechanical Alloying/Milling: A Catch-22 Situation, Critical Reviews in Solid State and Materials Science, 39 (2014) 81-108. DOI: 10.1080/10408436.2013.808985	6	8.9	5.00
3		Hebda, M.; Gadek, S.; Skalon, M.; et al., Effect of mechanical alloying and annealing on the sintering behaviour of AstaloyCrL powders with SiC and carbon addition, Journal of Thermal Analysis and Calorimetry, 113 (2013)395-403. DOI: 10.1007/s10973-013-3218-9	6	3.1	3.33
4		Hwang, Sunhwan; Lee, Joongwon; Hong, Ung Gi; et al., Hydrogenation of CO to Methane Over Mesoporous Nickel-Iron-Alumina Xerogel Nano-Catalysts, Journal of Nanoscience and Nanotechnology, 12 (2012) 6051-6057. DOI: 10.1166/jnn.2012.6282	6	1.134	2.50
5		Hebda Marek; Gadek Szymon; Kazior Jan, Thermal characteristics and analysis of pyrolysis effects during the mechanical alloying process of Astaloy CrM powders, Journal of Thermal Analysis and Calorimetry, 108 (2012) 453-460. DOI: 10.1007/s10973-011-2130-4	6	3.1	3.33
6		K Geng, Y Xie, L Xu, B Yan, Structure and magnetic properties of ZrO2-coated Fe powders and Fe/ZrO2 soft magnetic composites, Advanced Powder Technology, 28 (2017) 2015 - 2022. DOI: 10.1016/j.apt.2017.04.029	6	4.200	3.33

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8		L Zhang, X Guo, Microstructural Evolution, Thermal Stability and Microhardness of the Nb–Ti–Si-Based Alloy during Mechanical Alloying, Metals , 8(6) 2018, 403. DOI: 10.3390/met8060403	6	2.500	3.33
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TOTAL	**2287.89**

A3.1.2. Articol de revista, conferinta, carte, teza, brevet inventie citate in reviste indexate BDI (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.)	Baza de date in care se afla articolul care citeaza	Nr. Autori a articolului citat	Indicator (kpi)
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	R.L. Orban, D. Salomie, M. Orban, B. Neamtu, N. Sechel, T. Lung, SHS synthesis from mechanically activated powdered components mixture of molybdenum aluminide Mo3Al for use at extremely high temperatures, Proc. World PM 2016, Hamburg, Germany, 9 -13 October 2016, Pub. European Powder Metallurgy Association (EPMA) ISBN: 978-189907248-4	Neikov, O.D., Naboychenko, S.S., Murashova, I.B., Yefimov, N.A., Production of Refractory Metal Powders, Handbook of Non-Ferrous Metal Powders: Technologies and Applications, Second Edition, (2018). 685–755	Scopus	6	0.50
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	T.F. Marinca, F. Popa, B.V. Neamțu, V.C. Pricǎ, I. Chicinaș, Permalloy/alumina soft magnetic composite compacts obtained by reaction of Al-permalloy with Fe2O3 nanoparticles upon spark plasma sintering, Ceramics International, Volume 49, Issue 2, 15 January 2023, Pages 2272-2281, https://doi.org/10.1016/j.ceramint.2022.09.194	Tao Ma, Gonghui Gu, Feng Chen, Ning Wang, Influence of iron powder content on the electromagnetic and mechanical performance of soft magnetic geopolymer composite, Journal of Road Engineering, Volume 3, Issue 3, September 2023, Pages 288-299, https://doi.org/10.1016/j.jreng.2023.05.001	Sciencedirect	4	0.75
	H.F. Chicinaș, D.O. Jucan, R.V. Gădălean, G. Conțiu, T.F. Marinca, P. Götze, A. Eckert, C.O. Popa, Influence of milling media on the properties of some hard metal powders, International Journal of Refractory Metals and Hard Materials, Volume 96, April 2021, 105470, https://doi.org/10.1016/j.ijrmhm.2021.105470	Debasis Chaira, Mechanical Alloying of Ferrous and Non-Ferrous Alloys Processing, Properties, and Applications 2024, Pages 39-57, Mechanical Alloying of Ferrous and Non-Ferrous Alloys, 2 - Milling devices and mechanisms of mechanical alloying, https://doi.org/10.1016/B978-0-443-16151-3.00002-6	Sciencedirect	8	0.38
					0.00

TOTAL A3.1.2	**23.26**

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	Titlui prezentarii/Manifestarea stiintifica / Universitatea/ Institutul	Perioada	Obs	Indicator (kpi)
1					

TOTAL A3.2	**0.00**

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 internationale

A3.3.1 indexate ISI

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

Nr.	Editor sau chairman / Membru / Recenzor	Manifestarea stiintifica / adresa web	Anul/perioada	Obs	Indicator (kpi)
1	Recenzor	IEEE Magnetic Letters	2016		5.00
2	Recenzor	IEEE Transaction on Magnetics	2016		5.00
3	Recenzor	Journal of Materials Science - Materials in Electronics	2015		5.00
4	Recenzor	Journal of Alloys and Compounds	2014		5.00
5	Recenzor	Journal of Magnetism and Magnetic Materials	2016		5.00
6	Recenzor	Journal of Non-Crystalline Solids	2014		5.00
7	Recenzor	Scripta Materialia	2018		5.00
8	Recenzor	International Journal of Hydrogen Energy	2018		5.00
9	Recenzor	Journal of the Chemical Society of Pakistan	2017		5.00
10	Recenzor	Powder Technology	2015		5.00
11	Recenzor	Materials Science and Engineering B	2016		5.00
12	Recenzor	Materials Chemistry and Physics	2016		5.00
13	Recenzor	Journal of materials Science	2018		5.00
14	Recenzor	Applied Surface Science	2020		5.00
15	Recenzor	Chemical Papers	2019		5.00
16	Recenzor	Metals	2020		5.00
17	Recenzor	Journal of Thermal Analysis and Calorimetry	2015		5.00
18	Recenzor	Materials and Design	2015		5.00
19	Recenzor	AIP Advances	2022		5.00
20	Recenzor	Coatings	2022		5.00
21	Recenzor	Engineering	2021		5.00
22	Recenzor	Materials Science-Medziagotyra	2021		5.00
23	Recenzor	Materials	2021		5.00
24	Recenzor	Journal of Physical Science	2022		5.00
25	Recenzor	Nanomaterials	2022		5.00

26	Recenzor	Polymers	2022		5.00
	Recenzor	Phylosophical Magazine	2024		5.00
	Recenzor	Materials Today Sustainability	2024		5.00
27	Recenzor	Journal of Materials Engineering and Performance	2021		5.00
	Recenzor	Journal of Materials Research and Technology	2023		5.00
	Recenzor	Journal of Rare Earths	2024		5.00
	Recenzor	Helyon	2024		5.00
	Recenzor	Ceramics International	2024		5.00
28	Membru	4th International Conference on Powder Metallurgy, RoPM 2009, Tech Univ Cluj-Napoca, Craiova, ROMANIA,	Iulie 08-11, 2009	membru în comitetul de organizare	8.00
29	Membru	5th International Conference on Powder Metallurgy & Advanced Materials	17-20 Septembrie 2017	Membru in secretariatul conferintei	8.00
30	Chairman	5th International Conference on Powder Metallurgy & Advanced Materials	29.10. - 01.11. 2025	Co-Chairman	12.00
31					
				TOTAL A3.3.1	193.00

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	Recenzor	International Journal of Physical Science	2012	Indexat Google Scholar	3.00
2					
3					
				TOTAL A3.3.2	3.00

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	Anul	Obs	Indicator (kpi)
1	Membru	2015 European School on Magnetism	24 august-4 septembrie 2015, Cluj-Napoca	membru în comitetul de organizare	3.00
2	Membru	2021 European School on Magnetism	6-17 septembrie 2021, Cluj-Napoca	membru în comitetul de organizare	3.00
				TOTAL A3.3.3	6.00

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				
2				
			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)

	Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI)	INSTALAȚIE PENTRU OBȚINEREA ÎN ATMOSFERĂ INERTĂ A BENZILOR SOLIDIFICATE ULTRA-RAPID ÎN SISTEM SINGLE ȘI/SAU DUAL BAND, PN-III-P2-2.1-PTE-2021-0021	2021	5.00
	GNAC2023 - Universitatea Tehnică "Gheorghe Asachi" din Iași	245 - Studies on obtaining new transdermal patches using natural and recyclable materials.	2023	5.00
	GNAC2023 - Universitatea Tehnică "Gheorghe Asachi" din Iași	271 - Prefabricate inovative pe bază de compozite Geopolimerice cu adaos de deșeuri lemnoase	2023	5.00
	GNAC2023 - Universitatea Tehnică "Gheorghe Asachi" din Iași	282 - Lichide ionice - solvent și mediu de reacție pentru chitosan. Studii in silico și in vitro	2023	5.00
	GNAC2023 - Universitatea Tehnică "Gheorghe Asachi" din Iași	285 - Controlul vitezei de degradare a aliajelor biodegradabile de Zn prin modificarea (MAO) suprafețelor	2023	5.00

TOTAL A3.4.2	25.00

Criterii optionale

A3.5 Premii

A3.5.1 Academia Romana

kpi = 50

Nr.	Premiul	Anul	Obs	Indicator (kpi)
1				

TOTAL A3.5.1	0.00

A3.5.2 ASAS, AOSR, academii de ramura şi CNCSIS

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				

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

A3.6 Membru in academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenenţă la organizatii din domeniul educatiei si cercetarii

A3.6.1 Academia Romana

kpi = 50

Nr.	Organizatia	Functia	Perioada	Indicator (kpi)
1				

TOTAL A3.6.1	0.00

A3.6.2 ASAS, AOSR, academii de ramura

kpi = 10

Nr.	Organizatia	Functia	Perioada	Indicator (kpi)
1				

TOTAL A3.6.2	0.00

A3.6.3 Conducere asociatii profesionale

kpi = 15--> internationale

kpi = 5 --> nationala

Nr.	Asociatia	Internationala / Nationala	Functia	Perioada	Indicator (kpi)
1					

TOTAL A3.6.3	0.00

A3.6.4 Asociatii profesionale

kpi = 5 --> internationale

kpi = 2 --> nationala

Nr.	Asociatia	Internationala / Nationala	Functia	Perioada	Indicator (kpi)
1					

TOTAL A3.6.4	0.00

A3.6.5 Organizatii în domeniul educaţiei şi cercetării

kpi = 10 --> conducere

kpi = 2 --> membru

Nr.	Asociatia	Conducere / Membru	Perioada	Indicator (kpi)
1				

TOTAL A3.6.5	0.00

TOTAL A3	2538.15

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Fisa de evaluare conf. OM 6129 / 2016

Nume si prer Neamtu Bogdan Viorel

Departamentul Stiinta si Ingineria Materialelor

Indeplinire conditii minimale A1, A2 si A3

Nr.crt.	Domeniul de activitate	PUNCTAJ	Profesor	Criteriu îndeplinit
1	Activitatea didactică / profesională (A1)	111.15	60	DA
2	Activitatea de cercetare (A2)	2869.96	320	DA
3	Recunoaştere şi impactul activităţii (A3)	2538.15	120	DA
	TOTAL PUNCTAJ	5519.26	500	DA
	Scor cadru didactic ($Scor_j$)		11.04	

Indeplinire conditii 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		
			2		2		DA
1.2.1	Suport didactic (Manuale didactice, monografii, inclusiv electronice)	2, din care 1 ca prim autor	2		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	
			91	74	70	24	DA
2.4.1	Director/Responsabil grant cercetare	2, din care 1 director	Total	Respon. partener	Director		
			4	0	4		DA
3.1.	Citari in reviste ISI Thomson (se exclud autocitarile)	30	596				DA

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