

LISTA DE LUCRĂRI

Candidat: **ISTRATE M. Bogdan - Dr./** Ord. MECS Nr. 3867/27.05.2016, **Asist.univ.dr.ing.** din 26.09.2016, **Sef.lucr.dr.ing.** din 07.02.2019; **Conf.univ.dr.ing.** din 29.01.2021

1° Teza de doctorat (T1)

T1 "Cercetări asupra influenței unor depuneri superficiale pe aliaje metalice biodegradabile utilizate în domeniul medical" / "Research concerning the influence of some surface coatings on biodegradable metallic alloys used in the medical field" – 11.02.2016 – Univ.Tehnică "Gheorghe Asachi" din Iași, Domeniul Ingineria Materialelor, Conducător de doctorat: Prof.univ.dr.ing. Munteanu Corneliu.
(inclusiv anul, universitatea, domeniul, conducătorul de doctorat)

Activitatea didactică și profesională (A1)

1.1. Suport didactic		
1.1.1 Cărți /capitole ca autor,		
1.1.1.1 Internaționale	1.. F. C. Lupu, C. Munteanu, B. Istrate . Armours with special properties obtained by cold spraying on 52100 steel. Editura. Generis Publishing. 2024. pagini: 174, ISBN: 979-8-89248-581-4, Carte de specialitate	174/2x3 = 29
1.1.1.2 Naționale, Profesor minim 2, d.c. 1 prim autor; Conferențiar minim 1	1. B. Istrate – Materiale metalice biodegradabile pe bază de magneziu, Ed. PIM, 268 pg., 2020, Iași, ISBN: 978-606-13-5704-8 , Carte de specialitate. 2. C. Obreja, C. Truș, V. Ghisman, B. Istrate – Inteligența artificială aplicată în inginerie medicală, Ed. Universității "Dunărea de Jos" din Galați, 2023, 165 pg, Galați, ISBN 978-606-696-272-8, Carte de specialitate	268/5x1 = 53.6 165/5x4= 8.25
1.1.4 Manuale didactice, inclusiv în format electronic: ≥ 2, din care minim 1 ca prim autor	1. B. Istrate , C. Munteanu - Știința și Ingineria Materialelor - Volumul II, Ed. "Gheorghe Asachi" din Iași, 134 pg., 2025, Iași, ISBN 978-973-621-565-0, Suport didactic 2. B. Istrate , C. Munteanu – Expertize Metalografice, Ed. PIM, 210 pg., 2020, Iași, ISBN: 978-606-13-5731-4, Suport didactic	134/10x2 = 6.7 210/10x2 = 10.5
1.1.5 Îndrumare de laborator / aplicații / culegeri de probleme	1. C. Munteanu, B.Istrate , S-C. Lupescu, Știința și Ingineria Materialelor – Îndrumar de laborator, , Ed. "Europlus", 222 pg., 2019, Galați, ISBN: 978-606-628-207-9	222/20x3= 3.7

Activitatea de cercetare (A2)

2.1. Articole publicate în reviste și în volume indexate WoS [2]	1. Samara, F; Goanta, V; Istrate, B* ; Alkisswani, L; Munteanu, C; Cosau, R, Influence of the Plastic Deformation Process on the Residual Stresses and Hardness of an Al-5Mg Alloy, MATERIALS, 2024, 17(14), 3593, 10.3390/ma17143593, FI (2023): 3.1	50x3.1/6= 25.83
	2. Istrate, B ; Cojocaru, FD; Henea, ME; Balan, V; Sindilar, EV; Verestiuc, L; Munteanu, C; Solcan, C; In Vitro and In Vivo Analysis of the Mg-Ca-Zn Biodegradable Alloys, JOURNAL OF FUNCTIONAL BIOMATERIALS, 2024, 15 (6), 166, 10.3390/jfb15060166, FI (2023): 5	50x5/8= 31.25
	3. Lupu, FC; Munteanu, C; Müftü, S; Benchea, M; Cimpoesu, R; Ferguson, G; Boese, S; Schwartz, P; Istrate, B* ; Arsenoia, VN; Evaluation of the Wear Properties and Corrosion Resistance of 52100 Steel Coated with Ni/CrC by Cold Spraying; 2024, 14(1), 145, 10.3390/coatings14010145, FI (2023): 2.9	50x2.9/10= 14.5
	4. Moraras, CI; Goanta, V; Husaru, D; Istrate, B* ; Bârsanescu, PD; Munteanu, C; Analysis of the Effect of Fiber Orientation on Mechanical and Elastic Characteristics at Axial Stresses of GFRP Used in Wind Turbine Blades, POLYMERS, Vol. 15, Iss. 4, DOI10.3390/polym15040861, 2023, FI(2022):5	50x5/6 = 41.66
	5. Lupu, FC; Munteanu, C; Sachelarie, AC; Arsenoia, VN; Istrate, B* ; Improving the Usage Properties of Steel Using Cold Spray Deposition: A Review, CRYSTALS, Vol. 13, Iss. 2, DOI10.3390/cryst13020245, Article Number 245, 2023, FI(2022):2.7	50x2.7/5 = 27
	6. Istrate, B ; Munteanu, C; Baltatu, MS; Cimpoesu, R; Ioanid, N; Microstructural and Electrochemical Influence of Zn in MgCaZn Biodegradable Alloys, MATERIALS, Vol. 16, Iss. 6, DOI10.3390/ma16062487, Article Number 2487, 2023, FI(2022): 3.4	50x3.4/5 = 34
	7. Sutic, AT; Chelariu, R; Cimpoesu, R; Roman, AM; Istrate, B ; Goanta, V; Benchea, M; Moscu, M; Alexandru, A; Cimpoesu, N; Zegan, G, Corrosion Behavior and Mechanical Properties of Zn-Ti Alloys as Biodegradable Materials, METALS, 2024, 14 (7), 764, 10.3390/met14070764, FI (2023): 2.6	50x2.6/11= 11.81
	8. Muresan, EI; Pui, A; Cernatescu, C; Cimpoesu, R; Horhoge, CE; Istrate, B ; Rimbu, CM; Green Synthesis of Nanoparticles Containing Zinc Complexes and Their Incorporation in Topical Creams with Antimicrobial Properties, APPLIED SCIENCES-BASEL, 2024, 14(11), 4612, 10.3390/app14114612, FI (2023): 2.5	50x2.5/7 = 17.85
	9. Chelariu, RG; Cimpoesu, R; Jurca, AM; Popa, CM; Benchea, M; Badarau, G; Istrate, B ; Cazac, AM; Cimpoesu, N; Pintilie, DD; Vasilescu, GD; Bejinariu, C; Analysis of Chemical, Microstructural and Mechanical Properties of a CuAlBe Material Regarding Its Role as a Non-Sparking Material, MATERIALS, 2024, 17(10), 2220, 10.3390/ma17102220, FI (2023): 3.1	50x3.1/12 = 12.91
	10. Alkisswani, L; Goanta, V; Munteanu, C; Samara, F; Cosau, RE; Istrate, B , Considerations on the Failure Mechanisms at Fatigue Loading of 1018 Steel Samples Coated with Wip-C1 by Cold Spray, MATERIALS, 2024, 17(8), 1868, 10.3390/ma17081868, FI (2023): 3.1	50x3.1/6= 25.83
	11. Lazar, P; Cimpoesu, N; Istrate, B ; Cazac, AM; Burduhos-Nergis, DP; Benchea, M; Berbecaru, AC; Badarau, G; Vasilescu, GD; Popa, M; Bejinariu, C; Microstructural and Mechanical Properties Analysis of Phosphate Layers Deposited on Steel Rebars for Civil Constructions, COATINGS, 2024, 14(2), 182, 10.3390/coatings14020182, FI (2023): 2.9	50x2.9/11 = 13.18
	12. Roman, AM; Cimpoesu, R; Pricop, B; Cazacu, MM; Zegan, G; Istrate, B ; Cocean, A; Chelariu, R; Moscu, M; Badarau, G; Cimpoesu, N; Ivanescu, MC; Investigations on the Degradation Behavior of Processed FeMnSi-xCu Shape Memory Alloys, NANOMATERIALS, 2024, 14(4), 330, 10.3390/nano14040330, FI (2023): 4.4	50x4.4/12= 18.33
	13. Bunea, G; Toma, IO; Alexa-Stratulat, SM; Mihai, P; Cimpoesu, N; Istrate, B ; Stoian, G; Assessing the effect of adding TiO2 and calcined montmorillonite clay nanoparticles on the mechanical properties of cement mortar,	50x7.4/7 = 52.85

CONSTRUCTION AND BUILDING MATERIALS, 2024, 413, 134910, 10.1016/j.conbuildmat.2024.134910, FI (2023): 7.4	
14. Cristisor, D; Chicet, DL; Istrate, B ; Stescu, C; Munteanu, C; INFLUENCE OF TIO ₂ ALLOYING PERCENTAGE ON THE MORPHOLOGY OF APS-DEPOSITED COATINGS FROM Cr ₂ O ₃ POWDERS, ARCHIVES OF METALLURGY AND MATERIALS, 2024, 69(3), 1231-1239, 10.24425/amm.2024.150946, FI (2023): 0.7	50x0.7/5 = 7
15. Stefan, A; Chicet, DL; Istrate, B ; Munteanu, C; COLD SPRAY COATINGS MORPHOLOGY, ARCHIVES OF METALLURGY AND MATERIALS, 2024, 69 (4), 1509-1518, 10.24425/amm.2024.151421, FI (2023): 0.7	50x0.7/4 = 8.75
16. Roman, AM; Voiculescu, I; Cimpoesu, R; Istrate, B ; Chelariu, R; Cimpoesu, N; Zegan, G; Panaghie, C; Lohan, NM; Axinte, M; Murariu, AM; Microstructure, Shape Memory Effect, Chemical Composition and Corrosion Resistance Performance of Biodegradable FeMnSi-Al Alloy; CRYSTALS, Vol. 13, Iss. 1, DOI10.3390/cryst13010109, Article Number 109, 2023, FI(2022):2.7	50x2.7/11 = 12.27
17. Vâlcea, AE; Grecu, D; Maris, I; Negrea, AD; Cimpoesu, N; Giugea, D; Istrate, B ; Munteanu, C; Moga, SG; Anghel, DC; Rizea, AD; Petrescu, MI; Abrudeanu, M; The Characterization of a Fragment of a Medieval Fresco from Corbii de Piatra Cave Church; APPLIED SCIENCES-BASEL, Vol. 13, Iss. 8, DOI10.3390/app13084933, Article Number 4933, 2023, FI(2022): 2.7	50x2.7/13 = 10.38
18. Popa, M; Popa, F; Pricop, B; Cimpoesu, N; Lohan, NM; Kicsi, G; Istrate, B ; Bujoreanu, LG; Heat Treatment and Dynamic Mechanical Analysis Strain Sweep Effects on the Phase Structure and Morphology of an Fe-28Mn-6Si-5Cr Shape Memory Alloy, NANOMATERIALS, Vol. 13, Iss. 7, DOI10.3390/nano13071250, Article Number 1250, 2023, FI(2022): 5.3	50x5.3/8 = 33.12
19. Panaghie, C; Zegan, G; Sodor, A; Cimpoesu, N; Lohan, NM; Istrate, B ; Roman, AM; Ioanid, N; Analysis of Degradation Products of Biodegradable ZnMgY Alloy; MATERIALS, Vol. 16, Iss. 8, DOI10.3390/ma16083092, Article Number 3092, 2023, FI(2022): 3.4	50x3.4/ 8=21.25
20. Burduhos-Nergis, DP; Cimpoesu, N; Epure, EL; Istrate, B ; Burduhos-Nergis, DD; Bejinariu, C; Ca-Zn Phosphate Conversion Coatings Deposited on Ti6Al4V for Medical Applications; COATINGS, Vol.13,Iss.6,DOI10.3390/coatings13061029, Article No. 1029, 2023, FI(2022): 3.4	50x3.4 / 6=28.33
21. Valcea, AE; Maris, I; Negrea, AD; Cimpoesu, N; Garbea, G; Grecu, D; Moga, SG; Istrate, B ; Finta, FN; Rizea, AD; Anghel, DC; Munteanu, C; Petrescu, MI; Abrudeanu, M; Interdisciplinary Research on Medieval Fresco Subjected to Degradation Processes in the Corbii de Piatra Cave Church; MATERIALS, Vol. 16, Iss. 15, DOI10.3390/ma16155257, Article Number 5257, 2023, FI(2022): 3.4	50x3.4/14 = 12.14
22. Gradinaru, I; Vasiliu, AL; Bargan, A; Checherita, LE; Ciubotaru, BI; Armencia, AO; Istrate, B ; Dascalu, CG; Antohe, ME; The Influence of Beverages on Resin Composites: An In Vitro Study; BIOMEDICINES, Vol. 11, Iss. 9, DOI10.3390/biomedicines11092571, Article Number 2571, 2023, FI(2022): 4.7	50x4.7/9 = 26.11
23. Epure, C; Munteanu, C; Istrate, B ; Harja, M; Buium, F; Applications of Recycled and Crushed Glass (RCG) as a Substitute for Natural Materials in Various Fields-A Review; MATERIALS, Vol. 16, Iss. 17, DOI10.3390/ma16175957, Article Number 5957, 2023, FI(2022): 3.4	50x3.4/5 = 34
24. Istrate B. , Munteanu C., Antoniac I.-V., Lupescu Ș.-C., Current Research Studies of Mg–Ca–Zn Biodegradable Alloys Used as Orthopedic Implants—Review, (2022) Crystals, 12 (10), art. no. 1468, DOI: 10.3390/cryst12101468, WOS:000872374100001, FI (2021): 2.67	50x2.67/4=33.3
25. Morăraș C.I., Goanță V., Istrate B. , Munteanu C., Dobrescu G.S., Structural Testing by Torsion of Scalable Wind Turbine Blades, (2022) Polymers, 14 (19), art. no. 3937, DOI: 10.3390/polym14193937, WOS:000867041500001, autor corespondent FI (2021): 4.967	50x 4.967/5= 49.67

26. Lupescu Ș., Munteanu C., Sindilar E.V., Istrate B. , Mihai I., Oprisan B., Pasca A.-S., Long-Term Examination of Degradation and In Vivo Biocompatibility of Some Mg-0.5Ca-xY Alloys in Sprague Dawley Rats (2022) Materials, 15 (17), art. no. 5958, DOI: 10.3390/ma15175958, WOS:000851880000001, autor corespondent FI (2021): 3.748	50x 3.748/7 = 26.77
27. Goanta V., Munteanu C., Müftü S., Istrate B. , Schwartz P., Boese S., Ferguson G., Morăraș C.I., Evaluation of the Fatigue Behaviour and Failure Mechanisms of 52100 Steel Coated with WIP-C1 (Ni/CrC) by Cold Spray, (2022) Materials, 15 (10), art. no. 3609, DOI: 10.3390/ma15103609, WOS:000803695300001, autor corespondent FI (2021): 3.748	50x 3.748/9 = 20.82
28. Nastasa R.O., Tufescu A., Munteanu C., Istrate B. , Przybył A., Ianus G., Contact Stress Simulation for Mg-0.5Ca-xMn Alloys used for Medical Application, (2022) Archives of Metallurgy and Materials, 67 (2), pp. 405 – 408, DOI: 10.24425/amm.2022.137771, WOS:000813489200003, autor corespondent FI (2021): 0.633	50x0.633/6= 5.28
29. Ancaș A.D., Munteanu C., Istrate B. , Profire M., Țurcanu F.-E., The influence of the environment for glass-reinforced plastic composite material used for ground water transport pipes (2021) Materials, 14 (12), art. no. 3160, DOI: 10.3390/ma14123160, WOS:000666327100001, autor corespondent FI (2021): 3.748	50x3.748/5= 37.48
30. Istrate B. , Munteanu C., Cimpoesu R., Cimpoesu N., Popescu O.D., Vlad M.D., Microstructural, electrochemical and in vitro analysis of mg-0.5ca-xgd biodegradable alloys (2021) Applied Sciences (Switzerland), 11 (3), art. no. 981, pp. 1 – 18, DOI: 10.3390/app11030981 WOS:000614993400001, FI (2021): 2.838	50x2.838/6 = 23.65
31. Sindilar E.-V., Munteanu C., Pasca S.A., Mihai I., Henea M.E., Istrate B. , Long term evaluation of biodegradation and biocompatibility in-vivo the mg-0.5ca-xzr alloys in rats, (2021) Crystals, 11 (1), art. no. 54, pp. 1 – 11, DOI: 10.3390/cryst11010054, WOS:000610149700001, autor corespondent FI (2021): 2.67	50x2.67/6 = 22.25
32. Munteanu C., Vlad D.M., Sindilar E.-V., Istrate B. , Butnaru M., Pasca S.A., Nastasa R.O., Mihai I., Burlea S.-L., Novel Mg-0.5Ca-xMn biodegradable alloys intended for orthopedic application: An in vitro and in vivo study, (2021) Materials, 14 (23), art. no. 7262, DOI: 10.3390/ma14237262, WOS:000735126500001, autor corespondent FI (2021): 3.748	50x3.748/9= 20.82
33. B. Istrate , C. Munteanu, S. Lupescu, R. Chelariu, M.D. Vlad, P. Vizureanu, MATERIALS, Vol. 13, Is. 14, Article Number: 3082, 2020, DOI: 10.3390/ma13143082, WOS:000554140300001, FI (2020): 3.623	50x3.623/6 = 30.19
34. B. Istrate , J.V. Rau, C. Munteanu, I.V. Antoniac, V. Saceleanu, Properties and in vitro assessment of ZrO2-based coatings obtained by atmospheric plasma jet spraying on biodegradable Mg-Ca and Mg-Ca-Zr alloys, CERAMICS INTERNATIONAL, Vol. 46, Is. 10, 15897-15906 Part: B, 2020, DOI: 10.1016/j.ceramint.2020.03.138, WOS:000533512000020, FI (2019): 4.527	50x4.527/5= 45.27
35. B. Istrate , C. Munteanu, R. Chelariu, D. Mihai, R. Cimpoesu, F.S.V Tudose, Electrochemical Evaluation of Some Mg-Ca-Mn-Zr Biodegradable Alloys, REVISTA DE CHIMIE, Vol. 70, Is. 9, 3435-3440, 2019, WOS:000489958900072, FI (2019): 1.755	50x1.755/6 = 14.63
36. S Lupescu, C Munteanu, B Istrate , K Earar, The Influence of Zr on Microstructure, Mechanical Properties and Corrosion Resistance in Mg-Y-Zr Biodegradable Alloys, REV.CHIM.(Bucharest), Vol. 69, No. 12, pp. 3382-3385, 2018, WOS:000458533800010, autor corespondent FI(2019): 1.755	50x1.755/6 = 21.94
37. B. Istrate , C. Munteanu, C.I. Crimu, S.I. Strugaru, M. Benchea, K. Earar, Morphological and tribological aspects of some ZrO2 coatings on Mg-Ca biodegradable alloys, Indian Journal of Engineering & Materials Sciences Vol. 23, pp. 418-424, 2016, WOS:000406728100006, FI(2019): 0.521	50x0.521/6 = 4.34
38. B. Istrate , D. Mareci, C. Munteanu, S. Stanciu, C.I. Crimu, L.C. Trinca, E. Kamel, In vitro electrochemical properties of biodegradable YSZ-coated MgCa alloy, Environmental Engineering and Management Journal, Vol.15, No. 5, 955-963, 2016, WOS:000381274100002, FI(2018): 1.334	50x1.186/7 = 8.47

39. B. Istrate , D. Mareci, C. Munteanu, S. Stanciu, D. Luca, C.I. Crimu, E. Kamel, In vitro electrochemical properties of biodegradable ZrO ₂ -CaO coated MgCa alloy using atmospheric plasma spraying, Journal of Optoelectronics and Advanced Materials, 17 (7-8) pp.1186-1192, 2015, WOS:000359967600044, FI(2019): 0.631	50x0.631/7 = 4.51
40. Achitei D.C., Baltatu M.S., Vizureanu P., Sandu A.V., Benchea M., Istrate B. , Ni-Cr Alloys Assessment for Dental Implants Suitability (2022) Applied Sciences (Switzerland), 12 (24), art. no. 12814, DOI: 10.3390/app122412814, WOS:000902082600001, FI (2021): 2.838	50x2.838/6 = 23.65
41. Bejinariu C., Paleu V., Stamate C.V., Cimpoeșu R., Coteață M., Bădăraș G., Axinte M., Istrate B. , Vasilescu G.D., Cimpoeșu N., Microstructural, Corrosion Resistance, and Tribological Properties of Al ₂ O ₃ Coatings Prepared by Atmospheric Plasma Spraying, (2022) Materials, 15 (24), art. no. 9013, DOI: 10.3390/ma15249013, WOS:000906867300001, FI (2021):3.748	50x 3.748/ 10= 18.74
42. Goanță V., Munteanu C., Müftü S., Istrate B. , Schwartz P., Boese S., Ferguson G., Morăraș C.-I., Stefan A., Evaluation of the Fatigue Behavior and Failure Mechanisms of 4340 Steel Coated with WIP-C1 (Ni/CrC) by Cold Spray, (2022) Materials, 15 (22), art. no. 8116, DOI: 10.3390/ma15228116, WOS:000887322000001, FI (2021): 3.748	50x 3.748/ 9= 20.82
43. Marian G., Ianuș G., Istrate B. , Banari A., Nazar B., Munteanu C., Măluțan T., Gudîma A., Ciolacu F., Daraduda N., Paleu V., Evaluation of Agricultural Residues as Organic Green Energy Source Based on Seabuckthorn, Blackberry, and Straw Blends, (2022) Agronomy, 12 (9), art. no. 2018, DOI: 10.3390/agronomy12092018, WOS:000856162800001, FI (2021): 3.949	50x 3.949/ 11= 17.95
44. Rusu L., Grigoraș C.-G., Simion A.-I., Suceveanu E.-M., Istrate B. , Harja M., Biosorption Potential of Microbial and Residual Biomass of Saccharomyces pastorianus Immobilized in Calcium Alginate Matrix for Pharmaceuticals Removal from Aqueous Solutions, (2022) Polymers, 14 (14), art. no. 2855, DOI: 10.3390/polym14142855, WOS:000832305000001, FI (2021): 4.967	50x 4.967/ 6= 41.39
45. Moldovan E.R., Doria C.C., Ocaña J.L., Istrate B. , Cimpoesu N., Baltas L.S., Stanciu E.M., Croitoru C., Pascu A., Munteanu C., Terean M.H., Morphological Analysis of Laser Surface Texturing Effect on AISI 430 Stainless Steel, (2022) Materials, 15 (13), art. no. 4580, DOI: 10.3390/ma15134580, WOS:000824045100001, FI (2021): 3.748	50x 3.748/ 11= 17.04
46. Ciolacu F., Ianuș G., Marian G., Munteanu C., Paleu V., Nazar B., Istrate B. , Gudîma A., Daraduda N., A Qualitative Assessment of the Specific Woody Biomass of Fruit Trees (2022) Forests, 13 (3), art. no. 405, DOI: 10.3390/f13030405, WOS:000775378000001 FI (2021):3.282	50x 3.282/ 9= 18.23
47. Chelariu R.G., Cimpoesu N., Birnoveanu T.I., Istrate B. , Baci C., Bejinariu C., OBTAINING AND ANALYSIS OF A NEW ALUMINIUM BRONZE MATERIAL USING INDUCTION FURNACE, (2022) Archives of Metallurgy and Materials, 67 (4), pp. 1251 – 1257, DOI: 10.24425/amm.2022.141049, WOS:000890623500007, FI (2021): 0.633	50x 0.633/ 6= 5.28
48. Lutcanu M., Coteata M., Bernevig M.A., Nechifor C.D., Cazacu M.M., Paraschiv P., Istrate B. , Badarau G., Sandu I.G., Cimpoesu N., Obtaining and Analyzing the Al ₂ O ₃ -ZrO ₂ Ceramic Layers on Metallic Substrate (2022) Archives of Metallurgy and Materials, 67 (2), pp. 479 – 485, DOI: 10.24425/amm.2022.137780, WOS:000813449300004, FI (2021): 0.633	50x 0.633/ 10= 3.17
49. Munteanu C., Paleu V., Istrate B. , Dascălu A., Paleu C.C., Bhaumik S., Ancaș A.D., Tribological behavior and microstructural analysis of atmospheric plasma spray deposited thin coatings on cardan cross spindles, (2021) Materials, 14 (23), art. no. 7322, DOI: 10.3390/ma14237322, WOS:000735625800001, FI (2021):3.748	50x 3.748/ 7= 26.77
50. Mazurchewici S.-N., Marguta A., Istrate B. , Benchea M., Boca M., Nedelcu D., Improvements of arboblend v2 nature characteristics through depositing thin ceramic layers, (2021) Polymers, 13 (21), art. no. 3765, DOI: 10.3390/polym13213765, WOS:000718663700001, FI (2021): 4.967	50x 4.967/ 6= 41.39
51. Popescu V., Buciscanu I.I., Pruneanu M., Maier S.S., Danila A., Maier V., Pîslaru M., Rotaru V., Cristian I.N., Popescu A., Istrate B. , Blaga A.C., Ciolacu F., Cretescu I., Chelariu P., Marin M., Sustainable functionalization of PAN	50x 4.967/ 16= 15.52

to improve tinctorial capacity, (2021) Polymers, 13 (21), art. no. 3665, DOI: 10.3390/polym13213665, WOS:000719009600001, FI (2021): 4.967	
52. Rusu L., Grigoraş C.-G., Suceveanu E.M., Simion A.-I., Botezatu A.V.D., Istrate B. , Doroftei I., Eco-friendly biosorbents based on microbial biomass and natural polymers: Synthesis, characterization and application for the removal of drugs and dyes from aqueous solutions (2021) Materials, 14 (17), art. no. 4810, DOI: 10.3390/ma14174810, WOS:000694414700001, FI (2021): 3.748	50x 3.748/ 7= 26.77
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Rv118. D.C. Achiței, M.G. Minciună, P. Vizureanu, A.V. Sandu, R. Cimpoeșu, B. Istrate , Study on structure and properties of CuZn40Pb alloy, IOP Conf. Series: Materials Science and Engineering 133, 012015, 2016, WOS:000391140000015	50x0.1/6=0.83
Rv119. E. Mihalache, B. Pricop, M.G. Suru, N.M. Lohan, R.I. Comănesci, B. Istrate , B. Özkal, L.G. Bujoreanu, Factors influencing martensite transitions in Fe-based shape memory alloys, Matec Web of Conferences 33, 04002 pp. 1-6, 2015, WOS:000372402800039	50x0.1/8=0.63
Rv120. B. Pricop, U. Söyler, B. Özkal, M.G. Suru, N.M. Lohan, R.I. Comănesci, N. Cimpoeșu, V. Mușat, G. Gurău, B. Istrate , E. Mihalache, L.G. Bujoreanu, A study of martensite formation in powder metallurgy Fe-Mn-Si-Cr-Ni shape memory alloys, Materials Today: Proceedings 2S pp. S789 – S792, WOS:000372402800041	50x0.1/12=0.42
Rv121. E.S. Bârcă, V. Rizea, M. Abrudeanu, A.G. Plăiașu, B. Istrate , C. Munteanu, A comparative study of morphology and composition on oxide nanopowders elaborated by SPVD, IOP Conference Series-Materials Science and Engineering 95 012028, 2015, WOS:000365128900028	50x0.1/6=0.83
Rv122. B. Pricop, E. Mihalache, N.M. Lohan, B. Istrate , M. Mocanu, B. Ozkal, L.G. Bujoreanu, Powder metallurgy and mechanical alloying effects on the formation of thermally induced martensite in an FeMnSiCrNi SMA, Matec Web of Conferences 33, 04002 pp. 1-6. 2015, WOS:000371032100070	50x0.1/7=0.71
Total punctaj	1726.46

2.2 Articole publicate în reviste și volume ale unor manifestări științifice indexate în alte BDI [5]	R1. B. Istrate , C. Munteanu, Tribological aspects of some biodegradable magnesium alloys, INCAS Bulletin, Volume 12, Issue 1, 2020, Pages 83-89, DOI: 10.13111/2066-8201.2020.12.1.8	50x0.08/2= 2
	R2. G. Mahu, C. Munteanu, B. Istrate , I. Blanari, C. Paleu, C.M. Cotrut, Evaluation of the corrosion resistance of some coating obtained by thermal spray in plasma jet, on the surface of some crankshafts made of C45 steel, Revista de Chimie, Vol. 71, Is. 10, 211-223, 2020, DOI: 10.37358/RC.20.10.8366, autor corespondent	50x0.08/6= 0.66
	R3. B. Oprisan, D. Vasincu, S. Lupescu, C. Munteanu, B. Istrate , D. Popescu, C. Condratovici, A.R. Dimofte, K. Earar, Electrochemical analysis of some biodegradable Mg-Ca-Mn alloys, Revista de Chimie, Volume 70, Issue 12, 2019, Pages 4525-4530, DOI: 10.37358/RC.19.12.7788, autor corespondent	50x0.08/9= 0.44
	R4. B. Istrate , C. Munteanu, S. Lupescu, V-I Antoniac and E. Sindilar, Structural Characterization of Mg-0.5Ca-xY Biodegradable Alloys, Key Engineering Materials, ISSN: 1662-9795, Vol. 782, pp 129-135, doi:10.4028/www.scientific.net/KEM.782.129	50x0.08/5= 0.8
	R5 B. Istrate , C.I. Crimu, C. Munteanu, Microstructural analysis of Mg-Ca and Mg-Si-Ca biodegradable alloys, International Journal of Modern Manufacturing Technologies, 7 (1) pp. 36-41, 2015	50x0.08/3= 1.33
	R6. B. Istrate , C.I. Crimu, S. Stanciu, B. Oprisan, C. Munteanu, Comparative XRD and microstructure analysis on biodegradable Mg-Si-Ca alloys, Key Engineering Materials 660 pp. 51-56, 2015, DOI: 10.4028/www.scientific.net/KEM.660.51	50x0.08/5= 0.8
	R7. B. Istrate , C. Munteanu, S.I. Strugaru, A. Barca, C. Biniuc, C.I. Crimu, Influence of time on thermal oxidation of CP-Ti Grade II at 850 °C, Key Engineering Materials, 614 pp. 35-40, 2014, DOI: 10.4028/www.scientific.net/KEM.614.35	50x0.08/6= 0.67
	R8. B. Istrate , C. Munteanu, D. Luca, E. Kamel, E.S. Barca, I. Antoniac, Tribological tests and SEM analysis for titanium oxide layers, Key Engineering Materials, 614 pp. 74-79, 2014, DOI: 10.4028/www.scientific.net/KEM.614.74	50x0.08/6= 0.67

R9. B. Istrate , C. Munteanu, P. Simion, V. Dia, P. Avram, C.I. Crimu, E. Kamel, Influence of the degree of cold drawing over the wear test and XRD analysis of pipes used for dampers, Applied Mechanics and Materials, 659 pp. 85-90, 2014, DOI: 10.4028/www.scientific.net/AMM.659.85	50x0.08/7= 0.57
R10. B. Istrate , C.I. Crimu, C. Munteanu, C. Biniuc, L.G. Pintilei, S.C. Strugaru Iacob, P. Avram, E. Kamel, Structural modification of α -Ti based alloy after submission to open flame thermal shock, Key Engineering Materials, 638 pp. 333-338, 2014, DOI: 10.4028/www.scientific.net/KEM.638.333	50x0.08/8= 0.50
R11. Cojocaru F.D., Balan V., Istrate B. , Butnaru, M., Verestiuc L., A Comparative Study on the Morphology and In Vitro Behaviour of Biopolymers/Ceramic-based Scaffolds Obtained by Drying and Lyophilization Techniques, (2022) 2022 10th E-Health and Bioengineering Conference, EHB 2022, DOI: 10.1109/EHB55594.2022.9991618	50x0.08/6= 0.67
R12. C. Stescu, D. Chicet, A. Tufescu, B. Istrate , C. Munteanu, S.I. Strugaru, Contact stress simulation problem in case of thermal spray coatings, IOP Conference Series: Materials Science and Engineering, Vol. 916, Is. 1, 2020, Article number 012114, 10.1088/1757-899X/916/1/012114	50x0.08/6= 0.66
R13. A. Savin, F. Novy, M.L. Craus, N. Iftimie, R. Steigmann, B. Istrate , C. Munteanu, Assessment of magnesium calcium alloys improved by rare earths addition for medical implants, Vol. 916, Is. 1, 2020, Article number 012099, 10.1088/1757-899X/916/1/012099	50x0.08/7= 0.57
R14. O. Mocanita, D.L. Chicet, O. Rusu, B. Istrate , C. Munteanu, Expanded Foam Glass - An Application for Fire Resistant Multilayer Materials, IOP Conference Series: Materials Science and Engineering, Vol. 877, Is. 1, 2020, Article number 012038, 10.1088/1757-899X/877/1/012038	50x0.08/5= 0.8
R15. C. Cîrlan Paleu, B. Istrate , V. Paleu, C. Munteanu, Technological and structural analysis of Al ₂ O ₃ 40TiO ₂ coating deposited on a shaft sleeve of hydraulic pump, IOP Conference Series: Materials Science and Engineering, Vol. 724, Is. 1, 2020, Article number 012063, DOI: 10.1088/1757-899X/724/1/012063	50x0.08/4= 1
R16. V. Paleu, C. Cîrlan Paleu, B. Istrate , S. Bhaumik, C. Munteanu, Friction and wear resistance of Al ₂ O ₃ 40TiO ₂ (AMDRY 6250) coating of a pump shaft sleeve bearing, IOP Conference Series: Materials Science and Engineering, Vol. 724, Is. 1, 2020, Article number 012064, DOI: 10.1088/1757-899X/724/1/012064	50x0.08/5= 0.8
R17. M. Luțcanu, N. Cimpoeșu, B. Istrate , M. Coteață, V. Manole, I. Știrbu, F. Dimitriu, Procedia Manufacturing, Vol. 47, 2020, Pages 808-811, DOI: 10.1016/j.promfg.2020.04.249	50x0.08/7= 0.57
R18. C. Cîrlan Paleu, V. Paleu, B. Istrate , N. Cimpoeșu, C. Munteanu, IOP Conference Series: Materials Science and Engineering, Vol. 591, Is. 1, 2019, Article number 012007, DOI: 10.1088/1757-899X/591/1/012007	50x0.08/5= 0.8
R19. O. Mocanita, D. Chicet, B. Istrate , C. Micu, C. Munteanu, Investigation of thermal coating influence on the fire resistance of a multi-layer material, IOP Conference Series: Materials Science and Engineering, Vol. 572, Is. 1, 2019, Article number 012052, DOI: 10.1088/1757-899X/572/1/012052	50x0.08/5= 0.8
R20. A. Savin, N. Iftimie, R. Steigmann, G.S. Dobrescu, B. Istrate , C. Munteanu, Ultrasound methods for determining the influence of yttrium in Mg-0.5Ca-xY, IOP Conference Series: Materials Science and Engineering, Vol. 572, Is. 1, Article number 012017, DOI: 10.1088/1757-899X/572/1/012017	50x0.08/6= 0.67
R21. S.D. Popescu, S. Stanciu, R. Cimpoeșu, B. Istrate , I. Știrbu, I. Ionita, B.A. Prisecariu, Phases and compounds composition analyze of ZnMgCa biodegradable alloy, IOP Conference Series: Materials Science and Engineering, Vol. 572, Is. 1, 2019, Article number 012019, DOI: 10.1088/1757-899X/572/1/012019	50x0.08/7= 0.57
R22. C Munteanu, S Lupescu, B Istrate , V-I Antoniac, M Benchea and A Savin, Some Tribological Aspects of Mg-0.5Ca-xY Biodegradable Materials, Key Engineering Materials, Vol. 782, pp 136-141, doi:10.4028/www.scientific.net/KEM.782.136	50x0.08/5= 0.8
R23. V Paleu, V Goanță, B Istrate , Experimental investigation on wear resistance of a new cutting fluid using a four ball tribometer – optimization of additive percent, MATEC Web of Conferences 112, 07026 (2017), DOI: 10.1051/mateconf/20171120702	50x0.08/3= 1.33

R24. M. S. Bălțatu, P. Vizureanu, M. Benchea, M. G. Minciună, D. C. Achiței, B. Istrate , Ti-Mo-Zr-Ta Alloy for Biomedical Applications: Microstructures and Mechanical Properties, <i>Key Engineering Materials</i> , ISSN: 1662-9795, Vol. 750, pp 184-188, doi:10.4028/www.scientific.net/KEM.750.184, 2017	50x0.08/6= 0.67
R25. C Stescu, C Munteanu C, D Luca, B Istrate , M Benchea, D Chicet, B Oprisan, Increasing Wear Resistance of Power Steering Pump Cam Using Ni-Cr-Fe and Ni-Cr-Fe-B Coatings, <i>Materials Science Forum</i> , ISSN: 1662-9752, Vol. 907, pp 145-150, doi:10.4028/www.scientific.net/MSF.907.145, 2017	50x0.08/7= 0.57
R26. O Mocănița, D Chicet, M Benchea, B Istrate , C Munteanu, Coating of Liquid Wood Sheets, <i>Materials Science Forum</i> , ISSN: 1662-9752, Vol. 907, pp 134-139, 2017, doi:10.4028/www.scientific.net/MSF.907.134, 2017	50x0.08/5= 0.8
R27. D. C. ACHIȚEI, P. VIZUREANU, M. G. MINCIUNĂ, N. CIMPOEȘU, B. ISTRATE , Improvement of Structural Characteristics for CuZn Alloy through Heat Treatments, <i>Key Engineering Materials</i> , ISSN: 1662-9795, Vol. 750, pp 3-8, doi:10.4028/www.scientific.net/KEM.750.3, 2017	50x0.08/5= 0.8
R28. C. A. TUGUI, P. VIZUREANU, M. C. PERJU, C. NEJNERU, B. ISTRATE , A. SAVIN, Investigations of Thin Films Obtained by Plasma Jet Method on a Stainless Steel Used in Turbine Blades Construction, <i>Key Engineering Materials</i> , ISSN: 1662-9795, Vol. 750, pp 85-90, doi:10.4028/www.scientific.net/KEM.750.85, 2017	50x0.08/6= 0.67
R29. C Florea, C Bejinariu, C Savin, B Istrate , M Benchea, R Cimpoesu, Adhesion Characterisation of Complex Ceramics Thin Layers Deposited on Metallic Substrate, <i>Materials Science Forum</i> , ISSN: 1662-9752, Vol. 907, pp 126-133, doi:10.4028/www.scientific.net/MSF.907.126, 2017	50x0.08/6= 0.67
R30. M.S. Bălțatu Mădălina, P. Vizureanu, B. Istrate , Physical and structural characterization of Ti-based alloy, <i>International Journal of Modern Manufacturing Technologies</i> , Vol. VII, No. 2, pp. 12-17, 2015	50x0.08/3= 1.33
R31. C. Biniuc, B. Istrate , C. Munteanu, L. Dorin, Increased resistance to mechanical shock of metallic materials by metal-ceramic surface coatings, <i>Key Engineering Materials</i> , 638 (2014) 316-321, DOI: 10.4028/www.scientific.net/KEM.638.316	50x0.08/4= 1
R32. P. Simion, V. Dia, B. Istrate , C. Munteanu, Controlling and Monitoring of Welding Parameters for Micro-alloyed Steel Pipes Produced by High Frequency Electric Welding, <i>Advanced Materials Research</i> , 1036 pp. 464-469, 2014, DOI: 10.4028/www.scientific.net/AMR.1036.464	50x0.08/4= 1
R33. P. Avram, B. Istrate , M.S. Imbrea, M.V. Lozneau, C. Paulin, C. Munteanu, Friction studies over idlers sprayed with Al ₂ O ₃ powder using Atmospheric plasma spraying method, <i>Advanced Materials Research</i> , 1036 pp. 218-222, 2014, DOI: 10.4028/www.scientific.net/AMR.1036.218	50x0.08/6= 0.67
R34. R. Ionescu, E. Vasile, C. Munteanu, B. Istrate , M. Niculescu- Structural and surface characterization of some ceramic coatings obtained by plasma jet spraying on metallic biomaterials substrates, <i>Key Engineering Materials</i> , 614 pp. 68-73, 2014, DOI: 10.4028/www.scientific.net/KEM.614.68	50x0.08/5= 0.8
R35. C. Crimu, C. Munteanu, S. Stanciu, B. Istrate , K. Earar, Comparative in vitro study on MgCa and MgCaSi, as biodegradable implants, <i>Applied Mechanics and Materials</i> , 659 pp. 75-80, 2014, DOI: 10.4028/www.scientific.net/AMM.659.75	50x0.08/5= 0.8
R36. A. Bârcă, B. Istrate , E.S. Bârcă Eduard, V.I. Crișmaru, C. Munteanu, Corrosion behaviour of a cermet deposited coating in sulfuric acid solution, <i>Applied Mechanics and Materials</i> , 659 pp. 28-33, 2014, DOI: 10.4028/www.scientific.net/AMM.659.28	50x0.08/5= 0.8
R37. A. Bârcă, E.S. Bârcă, B. Istrate , V.I. Crismaru, C. Munteanu, A Study on Plastic Deformations due to Contact Fatigue Wear on a Cermet Coating Deposited by Thermal Spraying Methods, <i>Applied Mechanics and Materials</i> , 659 pp. 34-39, 2014, DOI: 10.4028/www.scientific.net/AMM.659.34	50x0.08/5= 0.8
R38. P. Avram, B. Istrate , M.S. Imbrea, C. Axinte, C. Paulin, S.C. Iacob Strugaru, C. Munteanu, Contact Wear Studies Over Idlers Sprayed With Ni Al Si Powder Using Atmospheric Plasma Spraying Method, <i>Advanced Materials Research</i> 1036 pp. 184-188, 2014, DOI: 10.4028/www.scientific.net/AMR.1036.184	50x0.08/7= 0.57

	R39. P. Simion, B. Istrate , C. Munteanu, V. Dia, P. Avram, M. S. Imbrea, Influence of the Degree of Cold Drawing on the Microstructure and Properties of Pipes Used for Dampers, Advanced Materials Research, 1036 pp. 134-139, 2014	50x0.08/6= 0.67
	R40. C. I. Crimu, B. Istrate , C. Munteanu, I. Antoniac, M.N. Matei, K. Earar, XRD and Microstructural Analyses on Biodegradable Mg Alloys, Key Engineering Materials, 638 pp. 79-84, 2014, DOI: 10.4028/www.scientific.net/KEM.638.79	50x0.08/6= 0.67
	R41. P. Avram, M. S. Imbrea, B. Istrate , S. I. Strugaru, I. Cucos, C. Axinte, C. Munteanu, Wear Resistance and XRD Analyses of CMOCuNiCrSiBO Coatings Obtained by Thermal Deposition on OLC45 Substrate, Applied Mechanics and Materials, 659 pp. 10-15, 2014, DOI: 10.4028/www.scientific.net/AMM.659.10	50x0.08/7= 0.57
	R42. C. Crimu, I. Antoniac, S. Focșăneanu, D. Pitul Cristea, B. Istrate , C. Munteanu, K. Earar, The Study Of Microstructure Of The Mgca Alloys In Their Use In Biodegradable Orthopedic Implants, Advanced Materials Research, 1036 pp. 207-211, 2014, DOI: 10.4028/www.scientific.net/AMR.1036.207	50x0.08/7= 0.57
	R43. P. Avram, M. S. Imbrea, B. Istrate , S. I. Strugaru, I. Cucos, C. Axinte, C. Munteanu, Wear Resistance and XRD Analyses of CNiCrSiBO Coatings Obtained by Thermal Deposition on OLC45 Substrate, Applied Mechanics and Materials, 659 pp. 16-21, 2014, DOI: 10.4028/www.scientific.net/AMM.659.16	50x0.08/7= 0.57
	R44. M. Rățoi, G. Dascălu, T. Stanciu, S.O. Gurlui, S. Stanciu, B. Istrate , N. Cimpoeșu, R. Cimpoeșu, Preliminary results of FeMnSi+Si(PLD) alloy degradation, Key Engineering Materials, 638 pp. 117-122, 2014	50x0.08/8= 0.5
Total punctaj		34.55

2.3 Brevete de invenție acordate (neindexate / indexate WoS - Derwent Innovations Index)	B1. L. Zaharia, B. Istrate , R. Ghimpe, Rolling device for making round specimens for tensile tests, comprises a plate on which three supports are fixed by screws, OSIM, Nr. Patent: RO128319-A2, RO128319-B1, 2017	25/3 = 8.33
	B2. D. Cherciu, B. Istrate , E. Marin, D. Manea - Surface decontamination installation, <i>Cerere de brevet de invenție înregistrată de OSIM cu nr. A-00873 / 20.11.2015</i>	-
	B3. D. Cherciu, B. Istrate , E. Marin, R. Ciuperca - Automated regulation system of seeding norms, <i>Cerere de brevet de invenție înregistrată de OSIM cu nr. A-00872 / 20.11.2015</i>	-
	B4. B. Istrate , C. Munteanu, R. Chelariu, I.V. Antoniac, M.D. Vlad, Aliaje biodegradabile pe baza de magneziu-calcium cu adaos controlat de zirconiu, <i>Cerere de brevet de invenție înregistrată de OSIM cu nr. A-00650/14.10.2019</i>	-
	B5. C. Munteanu, B. Istrate , S.C. Lupescu, A. Savin, E.V. Sindilar, Aliaje biodegradabile pe baza de magneziu-calcium cu adaos controlat de Ytriu (Mg-Ca-Y), <i>Cerere de brevet de invenție înregistrată de OSIM cu nr. A-00748/15.11.2019</i>	-
	B6. C. Munteanu, B. Istrate , O.D. Popescu, I.V. Antoniac, D.M. Vlad, Aliaje biodegradabile pe baza de magneziu-calcium cu adaos controlat de gadolinu (Mg-Ca-Gd), <i>Cerere de brevet de invenție înregistrată de OSIM cu nr. A-100701/05.11.2020</i>	-
	B7. B. Istrate , C. Munteanu, A. Savin, E.V. Sindilar, S.C. Lupescu, Aliaje biodegradabile pe bază de magneziu-calcium cu adaos controlat de mangan, <i>Cerere de brevet de invenție înregistrată de OSIM cu nr. A-100702/05.11.2020</i>	-
Total punctaj		8.33

2.4 Granturi / proiecte de cercetare câștigate prin competiție /	2.4.1 Minim 2 ca director	
	P1. Director – PN III TE 27/2022 - PN-III-P1-1_1-TE-2021-0702, cu titlul „Materiale metalice biodegradabile inovative din sistemul Mg-Ca-Zn utilizate în aplicații ortopedice”, 2022-2024, Valoare: 450000 Lei	5x3=15

contracte de cercetare cu agenți economici sau câștigate prin competiții ale consorțiilor universitare și de cercetare [6]	P2. Responsabil Partener TUIASI - Proiect Component 3 (BIODENTRUT) - Proiect Complex „OBTINEREA ȘI EXPERTIZAREA UNOR NOI MATERIALE BIOCOMPATIBILE PENTRU APLICAȚII MEDICALE”, Contract Nr. 60PCCDI/2018, PN-III-P1-1.2-PCCDI-2017-0239, 2018-2021, Valoare: 212000 Lei	5x4=20
	P3. Director – Mobilitate pentru cercetători - PNCDI III RU-MC 313MC/2019, 2019, Valoare: 21727.43 Lei	5x1=5
	P4. Director - Grant Intern Nr. 0430/2018, „Materiale speciale biodegradabile din sistemul Mg-Ca-Mn-Zr utilizate ca implanturi în reconstrucția osului biologic”, TUIASI-GI-2018-PN-III-P1-1.1-PD-2016-0430, 2018-2019, Valoare: 10000 Lei	5x2=10
	P5. Director – Contract agent economic Nr. 14921/03.08.2020, "Analize microstructurale, compoziționale (SEM-EDX) și difracție de raze X pentru diverse materiale", 2020-2021, Valoare: 2305 Lei	5x1=5
	2.4.2 Membru în echipă	
	P6. Membru - Proiect Component 1 (ORTOMAG) - Proiect Complex „OBTINEREA ȘI EXPERTIZAREA UNOR NOI MATERIALE BIOCOMPATIBILE PENTRU APLICAȚII MEDICALE”, Contract Nr. 60PCCDI/2018, PN-III-P1-1.2-PCCDI-2017-0239, 2018-2021, Director – Prof.dr.ing. Munteanu Corneliu	2x4=8
	P7. Membru - Bridge Grant Project "Tehnologii performante pentru obținerea de structuri 3D cu aplicații în securitate", PN-III-P2-2.1-BG-2016-0290, 2016-2018, Director – Prof.dr.ing. Manea Liliana Rozemarie	2x3=6
	P8. Membru – Proiect „Dezvoltarea de echipamente tehnice inovative destinate tehnologiei de valorificare rațională a pajiștilor în condițiile schimbărilor climatice”, Program Inovare, 30DPST/26.09.2013, 2013-2015	2x3=6
	P9. Membru – Proiect „Informarea corectă – Cheia recunoașterii studiilor” - ID: 2789, POSDRU/2/1.2/S/6	2x1=2
	P10. Membru - Grant Intern - Design and characterization of a multifocal shape memory form for medical applications, TUIASI-GI-2018 -1420, 6 membri, 2018, Director – Prof.dr.ing. Cimpoesu Nicanor	2x1=2
	P11. Membru - Grant Intern - „Noi aspecte privind efectul solicitărilor termo-mecanice în regim dinamic asupra comportamentului fizico-chimic a aliajelor cu memoria formei Ti-Ni-X”, TUIASI-GI-2018-PN-III-P1-1.1-TE-2016-0273, 2018-2019, Sef.lucr. dr.ing. Lohan Monica	2x1=2
	P12. Membru – Process Engineering –Klarwin – Contract nr. 19511/20.09.2018 - agent economic, 2018-2019, Director – Prof.dr.ing. Munteanu Corneliu	2x1=2
	P13. Membru - "Cercetări științifice și aplicații practice pentru prototipurile C.En în domeniul stocării hidrogenului în materiale din sticlă" – Contract Nr. 7294/05.04.2019 –agent economic, 2019-2020, Director – Prof.dr.ing. Munteanu Corneliu	2x1=2
	P14. Membru - Contract tip ROSE SGU-N, nr. AG-206/2019, etapa 2019-2020, Director – Sef.lucr. dr.ing. Iulian Agape	2x2=4
	P15. Membru - „Tehnologii de fabricare inteligente pentru producția avansată a pieselor din industriile de automobile și aeronautică”, Pr. Comp. 2 „Formarea adaptivă a materialelor compozite pentru reperele din industria de automobile”, Nr. 82PCCDI/2018, PN-III-P1-1.2-PCCDI-2017-0446, 2018-2021, 12 membri. Resp. TUIASI: Prof. Nedelcu Dumitru	2x4=8
	P16. Membru - POC/71/1/4/Parteneriate pentru transfer de cunoștințe / MySMIS 105524, "PRODUSE ȘI TEHNOLOGII ECOINOVATOARE PENTRU EFICIENȚĂ ENERGETICĂ ÎN CONSTRUCȚII" – EFECON, 2020 – Director Prof. Isopescu Dorina	2x1=2
	P17. Membru – Proiect POCU/626/6/13/131181 "Insertia absolvenților prin stagii de pregătire PRACTica modern și eficiente din cadrul Universității Tehnice Gheorghe Asachi din Iași, pe piața muncii - PRACTeh", 2020-2022, Director proiect Conf.univ.dr.ing. Lidia Gaiginschi	2x3=6
	P18. Membru – Proiect RO-MD – BCS, nr. 2SOFT/1.2/44, "Improving the Quality of Solid Biofuels Produced from Raw Material Collected from Both Sides of Prut River", acronim BCS RO-MD, 2 ani, Director – Conf.univ.dr.ing. Ianus Gelu, Valoare contract: 100000 Euro	2x2=4

P19. Membru – Proiect „Development and comprehensive research using nuclear physics methods of functional environments for ultrahigh-density capacitors based on Zirconia nanopowders for nanoelectronics and microsystem technology”, 03-4-1128-2017/2022, poziția 83, România - IUCN Dubna, Rusia, 2021, Director – Prof.univ.dr.ing. Dorin Luca, Valoare:4000 USD	2x1=2
P20. Membru – Contractul tip Agent economic nr. W911NF2020024/2020 (subcontract 25212/2020 – 504141/2020) cu tema "Program in Materials, Additive and Manufacturing, and Multiscale materials Engineering" (3ME),Director - Prof.univ.dr.ing. Corneliu Munteanu, Valoare:100000 USD, 2021-2022	2x2=4
P21. Membru – Grant pentru sustinerea capacității de publicare, Grant Intern GI/P2/2021, Director: Prof. Nicanor Cimpoesu, Valoare : 45000 Lei.	2x1=2
P22. Membru – Grant pentru sustinerea capacității de publicare, Grant Intern GI/P8/2021, Director: Prof. Corneliu Munteanu, Valoare : 44999,51 Lei.	2x1=2
P23. Membru – Grant pentru sustinerea capacității de publicare, Grant Intern GI/P11/2021, Director: Conf. Popescu Vasilica, Valoare : 45000 Lei.	2x1=2
P24. Membru – Grant pentru sustinerea capacității de publicare, Grant Intern GI/P21/2021, Director: Prof. Nedelcu Dumitru, Valoare : 44934,71 Lei.	2x1=2
P25. Membru – Grant pentru idei de proiect, Grant Intern GI/P122/2021_IDEI, Director: Prof. Diana Ancas, Valoare : 38579,56 Lei.	2x1=2
P26. Membru – Proiect 13ROMD – PN-IV-P8-8.3.ROMD 2023-0108. cu titlul: Îmbunătățirea durabilității grapelor cu discuri prin acoperiri termice în jet de plasmă. 2024-2026 Valoare: 477.500 Ron, din care revine TUIASI 238.750 Ron.	2x2=4
P27. Membru – Proiect PNCDI IV-5.6-24Sol(T24)/2024.cu titlul: Combatant Digital. 2024-2026. Valoare: 5.000.000 Ron, din care revine TUIASI 750.000 Ron.	2x2=4
Total Punctaj	133

Recunoaștere și impact al activității (A3)

5.	Recunoașterea și impactul activității (A3) Citation Report Istrate B (AUTHOR) Analyze Results Create Alert Refined By: Researcher Profiles: Bogdan, Istrate X Affiliations: GH ASACHI TECHNICAL UNIVERSITY X Clear all Publications 123 Total From 1975 to 2025 Citing Articles 684 Analyze Total 636 Analyze Without self-citations Times Cited 856 Total 753 Without self-citations 6.96 Average per item 15 H-Index Export Full Report	
	3.1 Citări în reviste indexate WoS și SCOPUS [7], Minim 100 citari	507.78
	ISI Web of Science	

1. B. Istrate , J.V. Rau, C. Munteanu, I.V. Antoniac, V. Saceleanu, Properties and in vitro assessment of ZrO ₂ -based coatings obtained by atmospheric plasma jet spraying on biodegradable Mg-Ca and Mg-Ca-Zr alloys, CERAMICS INTERNATIONAL, Vol. 46, Is. 10, 15897-15906 Part: B, 2020, DOI: 10.1016/j.ceramint.2020.03.138, WOS:000533512000020, FI (2019): 4.527		86
1	Title: Surface synthesis of magnesium alloys for improving corrosion resistance and implant applications, Author(s): Hossain, MH (Hossain, MD. Helal); Hossain, N (Hossain, Nayem); Chowdhury, MA (Chowdhury, Mohammad Asaduzzaman); Kowser, MA (Kowser, Md Arefin); Rana, MM (Rana, Md Masud) Source: ARABIAN JOURNAL OF CHEMISTRY Volume: 16 Issue: 2 Article Number: 104465 DOI: 10.1016/j.arabjc.2022.104465 Published: FEB 2023 Accession Number: WOS:000916217600010, FI 6.212	6
2	Title: A comprehensive review of properties of the biocompatible thin films on biodegradable Mg alloys, Author(s): Rajan, ST (Rajan, S. Thanka); Arockiarajan, A (Arockiarajan, A.), Source: BIOMEDICAL MATERIALS Volume: 18 Issue: 1 Article Number: 012002 DOI: 10.1088/1748-605X/aca85b Published: JAN 1 2023, Accession Number: WOS:000898903300001, FI 4.103	4
3	Title: Progress in bioactive surface coatings on biodegradable Mg alloys: A critical review towards clinical translation, Author(s): Singh, N (Singh, Navdeep); Batra, U (Batra, Uma); Kumar, K (Kumar, Kamal); Ahuja, N (Ahuja, Neeraj); Mahapatro, A (Mahapatro, Anil), Source: BIOACTIVE MATERIALS Volume: 19 Pages: 717-757 DOI: 10.1016/j.bioactmat.2022.05.009 Published: JAN 2023, Accession Number: WOS:000800025800001, FI: 16.874	6
4	Title: Assessment of the Mechanical and Corrosion Properties of Mg-1Zn-0.6Ca/Diamond Nanocomposites for Biomedical Applications, Author(s): Sevik, H (Sevik, Huseyin); Ozarslan, S (Ozarslan, Selma); Dieringa, H (Dieringa, Hajo), Source: NANOMATERIALS Volume: 12 Issue: 24 Article Number: 4399 DOI: 10.3390/nano12244399 Published: DEC 2022, Accession Number: WOS:000903063000001, FI: 5.719	6
5	Title: Microstructure and corrosion behavior of ZrO ₂ coated carbon fiber reinforced magnesium matrix composites sprayed with different powder characteristics Author(s): Yang, L (Yang, Li); Shi, XH (Shi, Xiaohong); Tian, XF (Tian, Xinfu); Wang, HH (Wang, Hanhui); Qi, LH (Qi, Lehua), Source: CERAMICS INTERNATIONAL Volume: 48 Issue: 20 Pages: 30797-30806 DOI: 10.1016/j.ceramint.2022.07.033 Early Access Date: AUG 2022 Published: OCT 15 2022, Accession Number: WOS:000848685900004, FI 5.532	6
6	Title: A review on recent advancements in biodegradable Mg-Ca alloys, Author(s): Sahu, MR (Sahu, Manas Ranjan); Kumar, TSS (Kumar, T. S. Sampath); Chakkingal, U (Chakkingal, Uday), Source: JOURNAL OF MAGNESIUM AND ALLOYS Volume: 10 Issue: 8 Pages: 2094-2117 DOI: 10.1016/j.jma.2022.08.002 Published: AUG 2022, Accession Number: WOS:000856191100001, FI 11.862	6
7	Title: Advancing dental implants: Bioactive and therapeutic modifications of zirconia, Author(s): Chopra, D (Chopra, Divya); Jayasree, A (Jayasree, Anjana); Guo, TQ (Guo, Tianqi); Gulati, K (Gulati, Karan); Ivanovski, S (Ivanovski, Saso), Source: BIOACTIVE MATERIALS Volume: 13 Pages: 161-178 DOI: 10.1016/j.bioactmat.2021.10.010 Published: JUL 2022, Accession Number: WOS:000766625200003, FI 16.874	6
8	Title: First-principles investigation of structural stability, electronic and optical properties of suboxide (Zr ₃ O), Author(s): Pan, Y (Pan, Yong), Source: MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS Volume: 281 Article Number: 115746 DOI: 10.1016/j.mseb.2022.115746 Early Access Date: APR 2022 Published: JUL 2022, Accession Number: WOS:000832772000008, FI 3.407	4
9	Title: Characterization of Tetracalcium Phosphate/Monetite Biocement Modified by Magnesium Pyrophosphate, Author(s): Stulajterova, R (Stulajterova, Radoslava); Medvecky, L (Medvecky, Lubomir); Giretova, M (Giretova, Maria); Sopcak, T (Sopcak, Tibor); Luptakova, L (Luptakova, Lenka); Bures, R (Bures, Radovan); Szekiova, E (Szekiova, Eva), Source: MATERIALS Volume: 15 Issue: 7 Article Number: 2586 DOI: 10.3390/ma15072586 Published: APR 2022 Accession Number: WOS:000781280100001, FI 3.748	4
10	Title: Performance Evaluation and Thermal Shock Behavior of PS-PVD (Gd _{0.9} Yb _{0.1})(2)ZrO ₂ /YSZ Thermal Barrier Coatings, Author(s): Zhao, HX (Zhao, Hongxu); Zhang, XF (Zhang, Xiaofeng); Deng, CM (Deng, Chunming); Deng, ZQ (Deng, Ziqian); Chen, XL (Chen, Xiaolong), Source: COATINGS Volume: 12 Issue: 3 Article Number: 323 DOI: 10.3390/coatings12030323 Published: MAR 2022, Accession Number: WOS:000776979500001 FI 3.236	4
11	Title: Microstructure and Corrosion Behavior of Atmospheric Plasma Sprayed NiCoCrAlFe High Entropy Alloy Coating, Author(s): Mehmood, K (Mehmood, Kashif); Umer, MA (Umer, Malik Adeel); Munawar, AU (Munawar, Ahmed Umar); Imran, M (Imran, Muhammad); Shahid, M (Shahid, Muhammad); Ilyas, M (Ilyas, Muhammad); Firdous, R (Firdous, Rabeeka); Kousar, H (Kousar, Humaira); Usman, M (Usman, Muhammad), Source: MATERIALS Volume: 15 Issue: 4 Article Number: 1486 DOI: 10.3390/ma15041486 Published: FEB 2022, Accession Number: WOS:000767272600001 FI 3.748	4
12	Title: Biocompatibility and electrochemical evaluation of ZrO ₂ thin films deposited by reactive magnetron sputtering on MgZnCa alloy, Author(s): Millan-Ramos, B (Millan-Ramos, Benjamin); Morquecho-Marin, D (Morquecho-Marin, Daniela); Silva-Bermudez, P (Silva-Bermudez, Phaedra); Ramirez-Ortega, D (Ramirez-Ortega, David); Depablos-Rivera, O (Depablos-Rivera, Osmay); Garcia-Lopez, J (Garcia-Lopez, Julieta); Fernandez-Lizarraga, M (Fernandez-Lizarraga, Mariana); Victoria-Hernandez, J (Victoria-Hernandez, Jose); Letzig, D (Letzig, Dietmar); Almaguer-Flores, A (Almaguer-Flores, Argelia); Rodil, SE (Rodil, Sandra E.), Source: JOURNAL OF MAGNESIUM AND ALLOYS Volume: 9 Issue: 6 Pages: 2019-2038 DOI: 10.1016/j.jma.2021.07.010 Published: NOV 15 2021, Accession Number: WOS:000753691400003 FI 11.862	6
13	Title: Simple Approach to Medical Grade Alumina and Zirconia Ceramics Surface Alteration via Acid Etching Treatment, Author(s): Nakonieczny, DS (Nakonieczny, Damian Stanislaw); Sliva, A (Sliva, Ales); Paszenda, Z (Paszenda, Zbigniew); Hundakova, M (Hundakova, Marianna); Kratosova, G (Kratosova, Gabriela);	4

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14	Title: Sustainable Coatings on Metallic Alloys as a Nowadays Challenge, Author(s): Nartita, R (Nartita, Radu); Ionita, D (Ionita, Daniela); Demetrescu, I (Demetrescu, Ioana), Source: SUSTAINABILITY Volume: 13 Issue: 18 Article Number: 10217 DOI: 10.3390/su131810217 Published: SEP 2021, Accession Number: WOS:000702056600001 FI 3.889	4
15	Title: Effect of sealing treatment on corrosion behavior of plasma sprayed ZrO ₂ coated C-f/Mg composites, Author(s): Yang, L (Yang, Li); Shi, XH (Shi, Xiaohong); Tian, XF (Tian, Xinfu); Han, X (Han, Xu); Mu, JR (Mu, Jierui); Qi, LH (Qi, Lehua), Source: SURFACE & COATINGS TECHNOLOGY Volume: 423 Article Number: 127627 DOI: 10.1016/j.surfcoat.2021.127627 Early Access Date: AUG 2021 Published: OCT 15 2021, Accession Number: WOS:000697566200043 FI 4.865	4
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1	Title: Synthesis and Characterization of Zirconia-Silica PMMA Nanocomposite for Endodontic Implants, Author(s): Widodo, P (Widodo, Puji); Mulyawan, W (Mulyawan, Wawan); Djustiana, N (Djustiana, Nina); Joni, IM (Joni, I. Made), Source: DENTISTRY JOURNAL Volume: 11 Issue: 3 Article Number: 57 DOI: 10.3390/dj11030057 Published: MAR 2023, Accession Number: WOS:000958919500001 FI: 0.81	1
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4	Title: Multi-Criteria Optimization of Automatic Electro-Spark Deposition TiCrNiVSi0.1 Multi-Principal Element Alloy Coating on TC4 Alloy Author(s): Lian, Y (Lian, Yong); Cui, MH (Cui, Menghui); Han, AH (Han, Aihua); Liu, Z (Liu, Zhao); Zhang, J (Zhang, Jin) Source: COATINGS Volume: 13 Issue: 1 Article Number: 214 DOI: 10.3390/coatings13010214 Published: JAN 2023 Accession Number: WOS:000914535200001 FI: 3.236	4
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6	Title: Analysis of the Physical-Mechanical Properties of the Zinc Phosphate Layer Deposited on a Nodular Cast Iron Substrate Author(s): Nejneru, C (Nejneru, Carmen); Burduhos-Nergis, DP (Burduhos-Nergis, Diana-Petronela); Axinte, M (Axinte, Mihai); Perju, MC (Perju, Manuela Cristina); Bejinariu, C (Bejinariu, Costica) Source: COATINGS Volume: 12 Issue: 10 Article Number: 1384 DOI: 10.3390/coatings12101384 Published: OCT 2022 Accession Number: WOS:000872654800001 FI: 3.236	4
7	Title: Plasma-Sprayed Hydroxyapatite Coatings and Their Biological Properties, Author(s): Kowalski, S (Kowalski, Szymon); Gonciarz, W (Gonciarz, Weronika); Belka, R (Belka, Radoslaw); Goral, A (Goral, Anna); Chmiela, M (Chmiela, Magdalena); Lechowicz, L (Lechowicz, Lukasz); Kaca, W (Kaca, Wieslaw); Zorawski, W (Zorawski, Wojciech) Source: COATINGS Volume: 12 Issue: 9 Article Number: 1317 DOI: 10.3390/coatings12091317 Published: SEP 2022 Accession Number: WOS:000856330500001 FI 3.236	4
8	Title: Surface Characterization of Current Dental Ceramics Using Scanning Electron Microscopic and Atomic Force Microscopic Techniques	4

	Author(s): Kaczmarek, K (Kaczmarek, Katarzyna); Konieczny, B (Konieczny, Bartłomiej); Siarkiewicz, P (Siarkiewicz, Przemysław); Leniart, A (Leniart, Andrzej); Lukomska-Szymanska, M (Lukomska-Szymanska, Monika); Skrzypek, S (Skrzypek, Sławomira); Lapinska, B (Lapinska, Barbara) Source: COATINGS Volume: 12 Issue: 8 Article Number: 1122 DOI: 10.3390/coatings12081122 Published: AUG 2022 Accession Number: WOS:000846005400001 FI: 3.236	
9	Title: Preparation and CMAS Wettability Investigation of CMAS Corrosion Resistant Protective Layer with Micro-Nano Double Scale Structure Author(s): Wang, YH (Wang, Yihao); Xu, ZN (Xu, Zhenning); Wang, WZ (Wang, Weize); Zhang, CC (Zhang, Chengcheng); Yu, ZX (Yu, Zexin); Fang, HJ (Fang, Huanjie); Yang, T (Yang, Ting) Source: COATINGS Volume: 12 Issue: 5 Article Number: 648 DOI: 10.3390/coatings12050648 Published: MAY 2022 Accession Number: WOS:000801773900001 FI: 3.236	4
10	Title: Application of thermal spray technologies in anticorrosive coatings: a short review Author(s): Duda, A (Duda, Alicja); Kopycinski, B (Kopycinski, Bartosz) Source: OCHRONA PRZED KOROZJA Volume: 65 Issue: 2 Pages: 37-42 DOI: 10.15199/40.2022.2.1 Published: FEB 2022 Accession Number: WOS:000773379700002 FI: 0.03	1
11	Title: ANALYSIS OF THE CORROSION RATE OF FeMn-Si BIODEGRADABLE MATERIAL Author(s): Roman, AM (Roman, A. -M.); Chelariu, R (Chelariu, R.); Cimpoesu, R (Cimpoesu, R.); Stirbu, I (Stirbu, I.); Ionita, I (Ionita, I.); Cazacu, MM (Cazacu, M. M.); Prisecariu, BA (Prisecariu, B. A.); Cimpoesu, N (Cimpoesu, N.); Pietrusiewicz, P (Pietrusiewicz, P.); Sodor, A (Sodor, A.), Source: ARCHIVES OF METALLURGY AND MATERIALS Volume: 67 Issue: 4 Pages: 1243-1250 DOI: 10.24425/amm.2022.141048 Published: 2022, Accession Number: WOS:000890623500006 FI 0.633	1
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13	Title: Microstructure and Wear Behaviors of Plasma-Sprayed MoAlB Ceramic Coating Author(s): Li, FZ (Li, Fuzhu); Sun, SN (Sun, Shengnan); Xu, Y (Xu, Yong); Tian, LH (Tian, Lihui); Wang, Y (Wang, Yun); Xu, ZY (Xu, Zhenying); Li, RT (Li, Ruitao) Source: COATINGS Volume: 11 Issue: 4 Article Number: 474 DOI: 10.3390/coatings11040474 Published: APR 2021 Accession Number: WOS:000642935100001 FI: 3.236	4
14	Title: Preparation of Coating on the Titanium Surface by Micro-Arc Oxidation to Improve Corrosion Resistance, Author(s): Hu, YL (Hu, Yulong); Wang, ZQ (Wang, Zhiqiao); Ai, JY (Ai, Jianyang); Bu, SC (Bu, Shichao); Liu, HW (Liu, Hongwei) Source: COATINGS Volume: 11 Issue: 2 Article Number: 230 DOI: 10.3390/coatings11020230 Published: FEB 2021 Accession Number: WOS:000622399800001 FI: 3.236	4
3.	C.C. Paleu, C. Munteanu, B. Istrate , S. Bhaumik, P. Vizureanu, M.S. Baltatu, V. Paleu, Microstructural Analysis and Tribological Behavior of AMDRY 1371 (Mo-NiCrFeBSiC) Atmospheric Plasma Spray Deposited Thin Coatings, Coatings, 10(12), 1186, 2020, doi.org/10.3390/coatings10121186	27.88
1	Title: Characterization and wear properties of plasma sprayed Cr3C2 and Stellite coatings on Inconel 62, Author(s): Kumar, SS (Kumar, S. Satheesh); Meignanamoorthy, M (Meignanamoorthy, M.); Ravichandran, M (Ravichandran, M.) Source: SURFACE TOPOGRAPHY-METROLOGY AND PROPERTIES Volume: 11 Issue: 1 Article Number: 015006 DOI: 10.1088/2051-672X/aca1d4 Published: MAR 1 2023 Accession Number: WOS:000915876700001 FI: 2.185	2.86
2	Title: Cracking Behavior of Atmospheric Plasma-Sprayed 8YSZ Thermal Barrier Coatings during Thermal Shock Test, Author(s): Huang, JB (Huang, Jibo); Sun, W (Sun, Wen); Huang, RZ (Huang, Renzhong); Ma, WH (Ma, Wenhua) Source: COATINGS Volume: 13 Issue: 2 Article Number: 243 DOI: 10.3390/coatings13020243 Published: FEB 2023, Accession Number: WOS:000944878700001 FI: 3.236	2.86
3	Title: Comparison of Friction Behaviour of Titanium Grade 2 after Non-Contact Boriding in Oxygen-Containing Medium with Gas Nitriding, Author(s): Lavrys, S (Lavrys, Serhii); Pohrellyuk, I (Pohrellyuk, Iryna); Tkachuk, O (Tkachuk, Oleh); Padgurskas, J (Padgurskas, Juozas); Trush, V (Trush, Vasyly); Proskurnyak, R (Proskurnyak, Roman), Source: COATINGS Volume: 13 Issue: 2 Article Number: 282 DOI: 10.3390/coatings13020282 Published: FEB 2023, Accession Number: WOS:000938369800001 FI: 3.236	2.86
4	Title: Temperature profile, microstructural evolution, and wear resistance of plasma-sprayed NiCrBSi coatings under different powers in a vertical remelting way, Author(s): Xuan, HN (Xuan, Hao-Nan); Chen, LY (Chen, Liang-Yu); Li, N (Li, Nan); Wang, HY (Wang, Haiyang); Zhao, CH (Zhao, Cuihua); Bobrov, M (Bobrov, Maksym); Lu, S (Lu, Sheng); Zhang, LC (Zhang, Lai-Chang), Source: MATERIALS CHEMISTRY AND PHYSICS	2.86

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5	Title: Mechanism for magnetic field induced structural relaxation and accompanying fracture toughness improvement of the thermal spraying coating, Author(s): Qian, CK (Qian, Chengkai); Liu, Q (Liu, Qu); Xiong, XY (Xiong, Xiyao); Ye, BJ (Ye, Bangjiao); Li, ZY (Li, Zhiyong); Li, KJ (Li, Kejian); Ying, SJ (Ying, Shaojun); Zhang, HJ (Zhang, Hongjun); Huang, DM (Huang, Dongmei); Zhang, X (Zhang, Xu); Cai, ZP (Cai, Zhipeng), Source: MATERIALS & DESIGN Volume: 223 Article Number: 111113 DOI: 10.1016/j.matdes.2022.111113 Published: NOV 2022 Accession Number: WOS:000863245400007, FI: 9.417	4.29
6	Title: Microstructure and Tribological Properties of Lubricating-Reinforcing Laser Cladding Composite Coating with the Ti2SC-Ti2Ni Mosaic Structure Phase, Author(s): Zhang, TG (Zhang, Tiangang); Zhen, H (Zhen, Hao); Liu, TX (Liu, Tianxiang); Hou, XY (Hou, Xiaoyun); Zhang, ZQ (Zhang, Zhiqiang), Source: COATINGS Volume: 12 Issue: 7 Article Number: 876 DOI: 10.3390/coatings12070876 Published: JUL 2022 Accession Number: WOS:000831848800001 FI: 3.236	2.86
7	Title: Microstructure and Corrosion Behavior of Atmospheric Plasma Sprayed NiCoCrAlFe High Entropy Alloy Coating, Author(s): Mehmood, K (Mehmood, Kashif); Umer, MA (Umer, Malik Adeel); Munawar, AU (Munawar, Ahmed Umar); Imran, M (Imran, Muhammad); Shahid, M (Shahid, Muhammad); Ilyas, M (Ilyas, Muhammad); Firdous, R (Firdous, Rabeeka); Kousar, H (Kousar, Humaira); Usman, M (Usman, Muhammad), Source: MATERIALS Volume: 15 Issue: 4 Article Number: 1486 DOI: 10.3390/ma15041486 Published: FEB 2022 Accession Number: WOS:000767272600001, FI: 3.748	2.86
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	Recenzor Metals – 6 recenzii	5
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	Recenzor Advances in Mechanical Engineering – 2 recenzii	5
Punctaj		107

3.7 Membru în Comisiile Publice de susținere a tezelor de doctorat	1. Lupescu Stefan, 2021, TUIASI	
	2. Ionescu Ionut Cercel, 2022, UNSTPB	
	3. Valeriu Andrei, 2023, UNSTPB	
	4. Borsan Ioana, 2024, UNIV. Transilvania	
	5. Lupu Ghita Andreea, 2024, UNSTPB	

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