

Nicanor Cimpoesu

List of Publications by Year in descending order

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papers

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759233

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical characterization of pulsed layer deposited hydroxyapatite-zirconia layers on Ti-21Nb-15Ta-6Zr alloy for biomedical application. <i>Applied Surface Science</i> , 2016, 385, 368-378.	6.1	28
2	Structural changes of cerium doped copper ferrites during sintering process and magneto-electrical properties assessment. <i>Ceramics International</i> , 2019, 45, 17243-17251.	4.8	27
3	Dyeing and antibacterial properties of aqueous extracts from quince (<i>Cydonia oblonga</i>) leaves. <i>Industrial Crops and Products</i> , 2016, 94, 216-225.	5.2	25
4	The Estimation of Corrosion Behavior of NiTi and NiTiNb Alloys Using Dynamic Electrochemical Impedance Spectroscopy. <i>Journal of Spectroscopy</i> , 2013, 2013, 1-7.	1.3	24
5	Heating rate effects on reverse martensitic transformation in a Cu - Zn - Al shape memory alloy. <i>International Journal of Materials Research</i> , 2011, 102, 1345-1351.	0.3	21
6	Synthesis and adsorption properties of nanocrystalline ferrites for kinetic modeling development. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 693-705.	2.1	21
7	Electrochemical Characterization of a New Biodegradable FeMnSi Alloy Coated with Hydroxyapatite-Zirconia by PLD Technique. <i>Journal of Chemistry</i> , 2016, 2016, 1-9.	1.9	16
8	Ge-Sb-Te Chalcogenide Thin Films Deposited by Nanosecond, Picosecond, and Femtosecond Laser Ablation. <i>Nanomaterials</i> , 2019, 9, 676.	4.1	16
9	Alpha keratin amino acids BEHAVIOR under high FLUENCE laser interaction. Medical applications. <i>Applied Surface Science</i> , 2019, 488, 418-426.	6.1	16
10	Electrochemical Behavior of Biodegradable FeMnSi-MgCa Alloy. <i>Metals</i> , 2018, 8, 541.	2.3	15
11	Microstructural, Electrochemical and In Vitro Analysis of Mg-0.5Ca-xGd Biodegradable Alloys. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 981.	2.5	15
12	Immersion Behavior of Carbon Steel, Phosphate Carbon Steel and Phosphate and Painted Carbon Steel in Saltwater. <i>Materials</i> , 2021, 14, 188.	2.9	15
13	Biomaterials with controlled release of geranium essential oil. <i>Journal of Essential Oil Research</i> , 2014, 26, 267-273.	2.7	12
14	Surface Analysis of 3D (SLM) Co-Cr-W Dental Metallic Materials. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 255.	2.5	12
15	Laser Induced Method to Produce Curcuminoid-Silanol Thin Films for Transdermal Patches Using Irradiation of Turmeric Target. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4030.	2.5	11
16	Nanostructured quaternary Ni _{1-x} Cu _x Fe _{2-y} Ce _y O ₄ complex system: Cerium content and copper substitution dependence of cation distribution and magnetic-electric properties in spinel ferrites. <i>Ceramics International</i> , 2021, 47, 18177-18187.	4.8	10
17	Prediction of Corrosion Resistance of Some Dental Metallic Materials with an Adaptive Regression Model. <i>Jom</i> , 2015, 67, 767-774.	1.9	9
18	Electro-chemical Corrosion of a Cast Iron Protected with a Al ₂ O ₃ Ceramic Layer. <i>Revista De Chimie (discontinued)</i> , 2019, 69, 3586-3589.	0.4	9

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19	New Zn ₃ Mg-xY Alloys: Characteristics, Microstructural Evolution and Corrosion Behavior. Materials, 2021, 14, 2505.	2.9	8
20	STUDY ON THE BIODEGRADABILITY OF FeMnSi ALLOY. Environmental Engineering and Management Journal, 2016, 15, 973-980.	0.6	8
21	Characterization of Advanced Ceramic Materials Thin Films Deposited on Fe-C Substrate. Revista De Chimie (discontinued), 2017, 68, 2582-2587.	0.4	8
22	Corn Cob Ash versus Sunflower Stalk Ash, Two Sustainable Raw Materials in an Analysis of Their Effects on the Concrete Properties. Materials, 2022, 15, 868.	2.9	8
23	Preliminary Results of FeMnSi+Si(PLD) Alloy Degradation. Key Engineering Materials, 0, 638, 117-122.	0.4	7
24	Finite Element Analysis of Mandibular Anterior Teeth with Healthy, but Reduced Periodontium. Applied Sciences (Switzerland), 2021, 11, 3824.	2.5	7
25	In-Vitro Analysis of FeMn-Si Smart Biodegradable Alloy. Materials, 2022, 15, 568.	2.9	7
26	Preliminary Results of Copper Based Shape Memory Alloys Analyze Used for MEMS Applications. Applied Mechanics and Materials, 0, 371, 368-372.	0.2	6
27	Preliminary results on effect of H ₂ S on P265GH commercial material for natural gases and petroleum transportation. Applied Surface Science, 2018, 438, 20-32.	6.1	6
28	Tribological characterization of phosphate conversion coating and rubber paint coating deposited on carbon steel carabiners surfaces. Materials Today: Proceedings, 2019, 19, 969-978.	1.8	6
29	HSLA STEEL AND CAST IRON CORROSION IN NATURAL SEAWATER. Environmental Engineering and Management Journal, 2011, 10, 1951-1958.	0.6	6
30	Investigations of Laser Produced Plasmas Generated by Laser Ablation on Geomaterials. Experimental and Theoretical Aspects. Symmetry, 2019, 11, 1391.	2.2	6
31	High-Power Laser Deposition of Chitosan Polymers: Medical and Environmental Applications. Polymers, 2022, 14, 1537.	4.5	6
32	Measurement of Mechanical Dissipation in SMAs by Infrared Thermography. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 9-14.	0.5	5
33	Corrosion-Resistance Analysis of HA Layer Deposited through Electrophoresis on Ti4Al4Zr Metallic Substrate. Applied Sciences (Switzerland), 2021, 11, 4198.	2.5	5
34	A Potential Biodegradable Metallic Material with Shape Memory Effect Based on Iron. Advanced Materials Research, 2013, 814, 110-114.	0.3	4
35	Effects of Thermomechanical Processing on the Microstructure and Mechanical Properties of Fe-Based Alloys. Journal of Materials Engineering and Performance, 2020, 29, 2274-2282.	2.5	4
36	In-Situ Plasma Monitoring during the Pulsed Laser Deposition of Ni60Ti40 Thin Films. Symmetry, 2020, 12, 109.	2.2	4

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37	Investigations of Transient Plasma Generated by Laser Ablation of Hydroxyapatite during the Pulsed Laser Deposition Process. <i>Symmetry</i> , 2020, 12, 132.	2.2	4
38	In Vitro Corrosion Behavior of Zn3Mg0.7Y Biodegradable Alloy in Simulated Body Fluid (SBF). <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2727.	2.5	4
39	Preliminary Results on Microstructural, Chemical and Wear Analyze of New Cast Iron with Chromium Addition. <i>Key Engineering Materials</i> , 2015, 660, 97-102.	0.4	3
40	Structural-Functional Changes in a Ti50Ni45Cu5 Alloy Caused by Training Procedures Based on Free-Recovery and Work-Generating Shape Memory Effect. <i>Nanomaterials</i> , 2022, 12, 2088.	4.1	3
41	Chemical properties of hydroxyapatite deposited through electrophoretic process on different sandblasted samples. <i>Materials Science-Poland</i> , 2014, 32, 578-582.	1.0	2
42	Theoretical and Experimental Determination of the Muscle Strength for the Kinetotherapy Rehabilitation of the Elbow Joint after an Immobilization Period. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 117, 539-546.	0.5	2
43	Hardness-gradient reversion in FeMnSiCr shape memory alloy modules produced by high-speed high pressure torsion. <i>MATEC Web of Conferences</i> , 2015, 33, 04001.	0.2	2
44	New FeMnSi+Al Alloy Proposed for High Damping Capacity Elements. <i>Materials Science Forum</i> , 2017, 907, 61-66.	0.3	2
45	NiTi Shape Memory Alloy Used for Multiple-Resetting Actuator for Fire Protection. <i>Materials Science Forum</i> , 2017, 907, 8-13.	0.3	2
46	Preliminary results on complex ceramic layers deposition by atmospheric plasma spraying. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
47	Variation of damping behaviour of T105Mn120 castings, used for railway safety systems, as an effect of extreme loading conditions. <i>Materials Today: Proceedings</i> , 2019, 19, 949-955.	1.8	2
48	Analyze of Cutting Effect on Ceramic Coated Steels. <i>Procedia Manufacturing</i> , 2020, 47, 808-811.	1.9	2
49	Study of Physico-Chemical Interactions during the Production of Silver Citrate Nanocomposites with Hemp Fiber. <i>Nanomaterials</i> , 2021, 11, 2560.	4.1	2
50	Study of an Ecological Cement-Based Composite with a Sustainable Raw Material, Sunflower Stalk Ash. <i>Materials</i> , 2021, 14, 7177.	2.9	2
51	The Origin and Physico-Chemical Properties of Some Unusual Earth Rock Fragments. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 983.	2.5	2
52	Obtaining hydroxyapatite (HA) by sol-gel method on Ti6Al4V alloys aiming the implant's surface bio-functionalization. , 2013, , .		1
53	Experimental Results on Micrometric Profile of Substrate and Thickness and Roughness of Deposited Layers through Thermal Spraying. <i>Advanced Materials Research</i> , 0, 814, 49-53.	0.3	1
54	Quantification of Fe-Base Alloy Degradation after Immersion Test. <i>Applied Mechanics and Materials</i> , 0, 809-810, 566-571.	0.2	1

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55	Effect of the Template on the Textural Properties of the Macrospherical Trimodal Metallosilicate Materials. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 1060-1068.	3.7	1
56	Hard meso/macroporous iron oxide/iron silicate microspheres obtained by the multi-templating technique. Journal of Chemical Technology and Biotechnology, 2019, 94, 2888-2898.	3.2	1
57	Printing Manufacturing for Medical & Educational Prototype Device Elements. , 2019, , .		1
58	On the Deposition Process of Ceramic Layer Thin Films for Low-Carbon Steel Pipe Protection. Materials, 2022, 15, 4673.	2.9	1
59	Electrochemical deposition of hydroxyapatite (HA) on titanium alloys for the implant surface bio-functionalization. , 2013, , .		0
60	Implementation of Shape Memory Alloys as Active Elements in Injuries Recuperative Equipment. Applied Mechanics and Materials, 2014, 657, 392-396.	0.2	0
61	Studies on the Corrosion Behavior of Deposits Carried out by Thermal Spraying in Electric ARC "Thermal Activated. Applied Mechanics and Materials, 2014, 657, 261-265.	0.2	0
62	Research on Obtaining Open-Cell Foam by Molten Metal Infiltration. Advanced Materials Research, 2014, 1036, 46-51.	0.3	0
63	Damping Capacity of Metallic Materials for Automotive Industry. Key Engineering Materials, 0, 750, 164-167.	0.4	0
64	Characterization of the Surfaces Obtained by Gouging. Materials Science Forum, 2017, 907, 220-226.	0.3	0
65	Obtaining of Fe-Base Biodegradable Metallic Alloy. Key Engineering Materials, 0, 750, 175-179.	0.4	0
66	Improvement of Structural Characteristics for CuZn Alloy through Heat Treatments. Key Engineering Materials, 0, 750, 3-8.	0.4	0
67	Electrochemical characterization of ZnMg-Ca biodegradable alloy. Materials Today: Proceedings, 2019, 19, 1026-1031.	1.8	0
68	Nanoaggregates and Selforganization Phenomena in Polyurethane Coumarine Film. Materiale Plastice, 2017, 54, 589-592.	0.8	0
69	Synthesis, Characterization and Use of Supported Co/gama-Al2O3 for the Removal of Reactive Blue 19 from Aqueous Solutions. Revista De Chimie (discontinued), 2018, 69, 228-231.	0.4	0
70	MACROSPHERICAL POROUS METALLOSILICATE MATERIALS: CHARACTERIZATION AND APPLICATIONS. Environmental Engineering and Management Journal, 2020, 19, 195-204.	0.6	0