

Nicanor Cimpoesu

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Corn Cob Ash versus Sunflower Stalk Ash, Two Sustainable Raw Materials in an Analysis of Their Effects on the Concrete Properties. <i>Materials</i> , 2022, 15, 868.	2.9	8
2	The Origin and Physico-Chemical Properties of Some Unusual Earth Rock Fragments. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 983.	2.5	2
3	In-Vitro Analysis of FeMn-Si Smart Biodegradable Alloy. <i>Materials</i> , 2022, 15, 568.	2.9	7
4	In Vitro Corrosion Behavior of Zn ₃ Mg _{0.7} Y Biodegradable Alloy in Simulated Body Fluid (SBF). <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2727.	2.5	4
5	High-Power Laser Deposition of Chitosan Polymers: Medical and Environmental Applications. <i>Polymers</i> , 2022, 14, 1537.	4.5	6
6	Structural-Functional Changes in a Ti ₅₀ Ni ₄₅ Cu ₅ Alloy Caused by Training Procedures Based on Free-Recovery and Work-Generating Shape Memory Effect. <i>Nanomaterials</i> , 2022, 12, 2088.	4.1	3
7	On the Deposition Process of Ceramic Layer Thin Films for Low-Carbon Steel Pipe Protection. <i>Materials</i> , 2022, 15, 4673.	2.9	1
8	Microstructural, Electrochemical and In Vitro Analysis of Mg-0.5Ca-xGd Biodegradable Alloys. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 981.	2.5	15
9	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
10	Finite Element Analysis of Mandibular Anterior Teeth with Healthy, but Reduced Periodontium. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3824.	2.5	7
11	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
12	New Zn ₃ Mg-xY Alloys: Characteristics, Microstructural Evolution and Corrosion Behavior. <i>Materials</i> , 2021, 14, 2505.	2.9	8
13	Corrosion-Resistance Analysis of HA Layer Deposited through Electrophoresis on Ti ₄ Al ₄ Zr Metallic Substrate. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4198.	2.5	5
14	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
15	Study of Physico-Chemical Interactions during the Production of Silver Citrate Nanocomposites with Hemp Fiber. <i>Nanomaterials</i> , 2021, 11, 2560.	4.1	2
16	Surface Analysis of 3D (SLM) Co-Cr-W Dental Metallic Materials. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 255.	2.5	12
17	Study of an Ecological Cement-Based Composite with a Sustainable Raw Material, Sunflower Stalk Ash. <i>Materials</i> , 2021, 14, 7177.	2.9	2
18	Analyze of Cutting Effect on Ceramic Coated Steels. <i>Procedia Manufacturing</i> , 2020, 47, 808-811.	1.9	2

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19	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
20	In-Situ Plasma Monitoring during the Pulsed Laser Deposition of Ni60Ti40 Thin Films. Symmetry, 2020, 12, 109.	2.2	4
21	Investigations of Transient Plasma Generated by Laser Ablation of Hydroxyapatite during the Pulsed Laser Deposition Process. Symmetry, 2020, 12, 132.	2.2	4
22	MACROSPHERICAL POROUS METALLOSILICATE MATERIALS: CHARACTERIZATION AND APPLICATIONS. Environmental Engineering and Management Journal, 2020, 19, 195-204.	0.6	0
23	Synthesis and adsorption properties of nanocrystalline ferrites for kinetic modeling development. International Journal of Applied Ceramic Technology, 2019, 16, 693-705.	2.1	21
24	Electrochemical characterization of ZnMg-Ca biodegradable alloy. Materials Today: Proceedings, 2019, 19, 1026-1031.	1.8	0
25	Ge-Sb-Te Chalcogenide Thin Films Deposited by Nanosecond, Picosecond, and Femtosecond Laser Ablation. Nanomaterials, 2019, 9, 676.	4.1	16
26	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
27	Structural changes of cerium doped copper ferrites during sintering process and magneto-electrical properties assessment. Ceramics International, 2019, 45, 17243-17251.	4.8	27
28	Alpha keratin amino acids BEHAVIOR under high FLUENCE laser interaction. Medical applications. Applied Surface Science, 2019, 488, 418-426.	6.1	16
29	Printing Manufacturing for Medical & Educational Prototype Device Elements. , 2019, , .		1
30	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
31	Variation of damping behaviour of T105Mn120 castings, used for railway safety systems, as an effect of extreme loading conditions. Materials Today: Proceedings, 2019, 19, 949-955.	1.8	2
32	Investigations of Laser Produced Plasmas Generated by Laser Ablation on Geomaterials. Experimental and Theoretical Aspects. Symmetry, 2019, 11, 1391.	2.2	6
33	Electro-chemical Corrosion of a Cast Iron Protected with a Al2O3 Ceramic Layer. Revista De Chimie (discontinued), 2019, 69, 3586-3589.	0.4	9
34	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
35	Electrochemical Behavior of Biodegradable FeMnSi-MgCa Alloy. Metals, 2018, 8, 541.	2.3	15
36	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

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37	New FeMnSi+Al Alloy Proposed for High Damping Capacity Elements. Materials Science Forum, 2017, 907, 61-66.	0.3	2
38	NiTi Shape Memory Alloy Used for Multiple-Resetting Actuator for Fire Protection. Materials Science Forum, 2017, 907, 8-13.	0.3	2
39	Preliminary results on complex ceramic layers deposition by atmospheric plasma spraying. AIP Conference Proceedings, 2017, , .	0.4	2
40	Measurement of Mechanical Dissipation in SMAs by Infrared Thermography. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 9-14.	0.5	5
41	Characterization of the Surfaces Obtained by Gouging. Materials Science Forum, 2017, 907, 220-226.	0.3	0
42	Characterization of Advanced Ceramic Materials Thin Films Deposited on Fe-C Substrate. Revista De Chimie (discontinued), 2017, 68, 2582-2587.	0.4	8
43	Nanoaggregates and Selforganization Phenomena in Polyurethane Coumarine Film. Materiale Plastice, 2017, 54, 589-592.	0.8	0
44	Electrochemical Characterization of a New Biodegradable FeMnSi Alloy Coated with Hydroxyapatite-Zirconia by PLD Technique. Journal of Chemistry, 2016, 2016, 1-9.	1.9	16
45	Dyeing and antibacterial properties of aqueous extracts from quince (Cydonia oblonga) leaves. Industrial Crops and Products, 2016, 94, 216-225.	5.2	25
46	Electrochemical characterization of pulsed layer deposited hydroxyapatite-zirconia layers on Ti-21Nb-15Ta-6Zr alloy for biomedical application. Applied Surface Science, 2016, 385, 368-378.	6.1	28
47	STUDY ON THE BIODEGRADABILITY OF FeMnSi ALLOY. Environmental Engineering and Management Journal, 2016, 15, 973-980.	0.6	8
48	Hardness-gradient reversion in FeMnSiCr shape memory alloy modules produced by high-speed high pressure torsion. MATEC Web of Conferences, 2015, 33, 04001.	0.2	2
49	Prediction of Corrosion Resistance of Some Dental Metallic Materials with an Adaptive Regression Model. Jom, 2015, 67, 767-774.	1.9	9
50	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
51	Preliminary Results on Microstructural, Chemical and Wear Analyze of New Cast Iron with Chromium Addition. Key Engineering Materials, 2015, 660, 97-102.	0.4	3
52	Implementation of Shape Memory Alloys as Active Elements in Injuries Recuperative Equipment. Applied Mechanics and Materials, 2014, 657, 392-396.	0.2	0
53	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
54	Chemical properties of hydroxyapatite deposited through electrophoretic process on different sandblasted samples. Materials Science-Poland, 2014, 32, 578-582.	1.0	2

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55	Research on Obtaining Open-Cell Foam by Molten Metal Infiltration. <i>Advanced Materials Research</i> , 2014, 1036, 46-51.	0.3	0
56	Biomaterials with controlled release of geranium essential oil. <i>Journal of Essential Oil Research</i> , 2014, 26, 267-273.	2.7	12
57	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
58	A Potential Biodegradable Metallic Material with Shape Memory Effect Based on Iron. <i>Advanced Materials Research</i> , 2013, 814, 110-114.	0.3	4
59	Obtaining hydroxyapatite (HA) by sol-gel method on Ti6Al4V alloys aiming the implant's surface bio-functionalization. , 2013, , .		1
60	Electrochemical deposition of hydroxyapatite (HA) on titanium alloys for the implant surface bio-functionalization. , 2013, , .		0
61	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
62	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
63	HSLA STEEL AND CAST IRON CORROSION IN NATURAL SEAWATER. <i>Environmental Engineering and Management Journal</i> , 2011, 10, 1951-1958.	0.6	6
64	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
65	Preliminary Results of Copper Based Shape Memory Alloys Analyze Used for MEMS Applications. <i>Applied Mechanics and Materials</i> , 0, 371, 368-372.	0.2	6
66	Quantification of Fe-Base Alloy Degradation after Immersion Test. <i>Applied Mechanics and Materials</i> , 0, 809-810, 566-571.	0.2	1
67	Preliminary Results of FeMnSi+Si(PLD) Alloy Degradation. <i>Key Engineering Materials</i> , 0, 638, 117-122.	0.4	7
68	Damping Capacity of Metallic Materials for Automotive Industry. <i>Key Engineering Materials</i> , 0, 750, 164-167.	0.4	0
69	Obtaining of Fe-Base Biodegradable Metallic Alloy. <i>Key Engineering Materials</i> , 0, 750, 175-179.	0.4	0
70	Improvement of Structural Characteristics for CuZn Alloy through Heat Treatments. <i>Key Engineering Materials</i> , 0, 750, 3-8.	0.4	0