Costica Bejinariu

List of Publications by Year in descending order

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76 papers	484 citations	759233 12 h-index	794594 19 g-index
76 all docs	76 docs citations	76 times ranked	175 citing authors

#	Article	IF	Citations
1	XRD and TG-DTA Study of New Phosphate-Based Geopolymers with Coal Ash or Metakaolin as Aluminosilicate Source and Mine Tailings Addition. Materials, 2022, 15, 202.	2.9	38
2	Corrosion Behaviour of Nodular Cast Iron Used for Rotor Manufacturing in Different Wastewaters. Coatings, 2022, 12, 911.	2.6	2
3	Methodology for Assessing the Degree of Occupational Safety Specific to Hydrotechnical Construction Activities, in Order to Increase Their Sustainability. Sustainability, 2021, 13, 1105.	3.2	4
4	Analysis of non-sparking metallic materials for potentially explosive atmospheres. MATEC Web of Conferences, 2021, 343, 10014.	0.2	1
5	Phosphating Depositions for Equipmentâ€™s Used in Explosive Atmospheres. MATEC Web of Conferences, 2021, 343, 10011.	0.2	0
6	Immersion Behavior of Carbon Steel, Phosphate Carbon Steel and Phosphate and Painted Carbon Steel in Saltwater. Materials, 2021, 14, 188.	2.9	15
7	Phosphate Coatings: EIS and SEM Applied to Evaluate the Corrosion Behavior of Steel in Fire Extinguishing Solution. Applied Sciences (Switzerland), 2021, 11, 7802.	2.5	8
8	Galvanic Corrosion Behaviour of Different Types of Coatings Used in Safety Systems Manufacturing. Coatings, 2021, 11, 1542.	2.6	4
9	Phosphate Surface Treatment for Improving the Corrosion Resistance of the C45 Carbon Steel Used in Carabiners Manufacturing. Materials, 2020, 13, 3410.	2.9	23
10	Why do the psycho-social conditions in the field of mining require changes to occupational health and safety legislation?. MATEC Web of Conferences, 2020, 305, 00091.	0.2	0
11	Carbon steel carabiners improvements for use in potentially explosive atmospheres. MATEC Web of Conferences, 2020, 305, 00015.	0.2	4
12	Evaluation of the Corrosion Resistance of Phosphate Coatings Deposited on the Surface of the Carbon Steel Used for Carabiners Manufacturing. Applied Sciences (Switzerland), 2020, 10, 2753.	2.5	34
13	Shock Resistance Improvement of Carbon Steel Carabiners Used at PPE. MATEC Web of Conferences, 2019, 290, 12004.	0.2	7
14	MEVA - a new method of occupational health and safety risk assessment. MATEC Web of Conferences, 2019, 290, 12008.	0.2	1
15	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
16	Electro-chemical Corrosion of a Cast Iron Protected with a Al2O3 Ceramic Layer. Revista De Chimie (discontinued), 2019, 69, 3586-3589.	0.4	9
17	The Galvanic Corrosion Behavior of Phosphated Carbon Steel Used at Carabiners Manufacturing. Revista De Chimie (discontinued), 2019, 70, 215-219.	0.4	11
18	Galvanic Corrosion Behaviour of Phosphate Nodular Cast Iron in Different Types of Residual Waters and Couplings. Revista De Chimie (discontinued), 2019, 70, 3597-3602.	0.4	4

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19	Galvanic Corrosion of Ductile Cast Iron Coupled with Different Alloys in Synthetic Domestic Waste Water. Revista De Chimie (discontinued), 2019, 70, 506-511.	0.4	2
20	Influence of Selective Laser Melting Processing Parameters of Co-Cr-W Powders on the Roughness of Exterior Surfaces. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012010.	0.6	5
21	Aspects Regarding Instantaneous Corrosion of Nodular Iron in Household Wastewater. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012016.	0.6	0
22	Correlations Between Severe Plastic Deformations Processes and Acoustic Propagation Phenomena by Means of Fractal Analysis. Consequences on Biological Structures Dynamics. Journal of Computational and Theoretical Nanoscience, 2018, 15, 895-907.	0.4	2
23	Assessment of Hard Thin Layers Deposited by Plasma Spray on Hydroboration. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012029.	0.6	2
24	Researches on the Improvement of the Bioactivity of TiO2 Deposits, Obtained by Magnetron Sputtering - DC. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012017.	0.6	3
25	Structural Analysis of Carabiners Materials Used at Personal Protective Equipments. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012040.	0.6	3
26	Thermal Analysis of a New Glass Fiber-Reinforced Bismaleimide Composite Material Used for Firefighter Helmets. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012022.	0.6	0
27	Influence of nanostructuration on the sound velocity in copper Cu_99.75. IOP Conference Series: Materials Science and Engineering, 2018, 400, 072002.	0.6	0
28	Corrosion Resistance of a Cast-Iron Material Coated With a Ceramic Layer Using Thermal Spray Method. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012028.	0.6	1
29	Influence of Nanostructuration on the Sound Velocity in Aluminum Al_99.50. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012038.	0.6	0
30	CONSIDERATIONS ON IMPROVING OCCUPATIONAL HEALTH AND SAFETY PERFORMANCE IN COMPANIES USING ISO 45001 STANDARD. Environmental Engineering and Management Journal, 2018, 17, 2711-2717.	0.6	13
31	Management of Maceration-Fermentation Technologies Regarding the Antioxidant Profiles of Some Wines from Iasi Vineyard. Revista De Chimie (discontinued), 2018, 68, 2922-2924.	0.4	1
32	Monitoring the Anthropogenic Toxicity of Spontaneous Flora in Neamt County through Studies of the Honey Bee Chemical Characteristics. Revista De Chimie (discontinued), 2018, 69, 2150-2159.	0.4	1
33	Morphological Analysis (SEM) of the Surface of a Non-Noble Dental Alloy Subjected to Electrocorrosion. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012032.	0.6	0
34	Preliminary results on complex ceramic layers deposition by atmospheric plasma spraying. AIP Conference Proceedings, 2017, , .	0.4	2
35	Adhesion Characterisation of Complex Ceramics Thin Layers Deposited on Metallic Substrate. Materials Science Forum, 2017, 907, 126-133.	0.3	0
36	Determination of friction coefficient between copper semi-finished and plastic deformation tools. AIP Conference Proceedings, 2017, , .	0.4	0

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37	Key elements on implementing an occupational health and safety management system using ISO 45001 standard. MATEC Web of Conferences, 2017, 121, 11007.	0.2	35
38	Microstructural Analysis of Ti-Based Shape Memory Alloys Following the Electrochemical Corrosion in Artificial Saliva. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012033.	0.6	0
39	Corrosion Evaluation of Some Phosphated Thin Layers on Reinforcing Steel. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012025.	0.6	1
40	Considerations on Applying the Method for Assessing the Level of Safety at Work. Sustainability, 2017, 9, 1263.	3.2	24
41	Obtaining of High Cr Content Cast Iron Materials. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012046.	0.6	1
42	Influence of the Process Parameters on the Properties of Diamax Deposits Obtained by Flame Thermal Spray. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012072.	0.6	0
43	Experimental and Theoretical Aspects of Nanostructuring by Multiaxial Forging. Journal of Computational and Theoretical Nanoscience, 2017, 14, 1744-1750.	0.4	5
44	CONSIDERATIONS ON THE METHOD FOR SELF ASSESSMENT OF SAFETY AT WORK. Environmental Engineering and Management Journal, 2017, 16, 1395-1400.	0.6	22
45	Experimental Analysis of Resistance to Electrocorosion of a High Chromium Cast Iron with Applications in the Vehicle Industry. Revista De Chimie (discontinued), 2017, 68, 2397-2401.	0.4	9
46	Characterization of Advanced Ceramic Materials Thin Films Deposited on Fe-C Substrate. Revista De Chimie (discontinued), 2017, 68, 2582-2587.	0.4	8
47	Effect of Climate Change on Pedological Modifications and Soil Aridity Process in Vineyards. Revista De Chimie (discontinued), 2017, 68, 2662-2671.	0.4	0
48	Chemical Deposition of Thin Layers on Reinforcing Steel. Key Engineering Materials, 2015, 660, 213-218.	0.4	2
49	Experimental Determination of Stress and Deformation Pressure in Nanostructuring Copper by Multiaxial Forging Method. Applied Mechanics and Materials, 2015, 754-755, 784-788.	0.2	1
50	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
51	Copper Flow Simulation to Severe Plastic Deformation by Multiaxial Forging. Key Engineering Materials, 2015, 660, 62-67.	0.4	2
52	Experimental Determination of Force and Deformation Stress in Nanostructuring Aluminum by Multiaxial Forging Method. Applied Mechanics and Materials, 2014, 657, 137-141.	0.2	10
53	Experimental Studies on Adherence Resistance of Thermally Sprayed Metallic Coatings. Applied Mechanics and Materials, 2014, 657, 271-275.	0.2	0
54	Design and Implementation of a Device for Nanostructuring of Metallic Materials by Multiaxial Forging Method. Applied Mechanics and Materials, 2014, 657, 193-197.	0.2	8

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55	Studies on the Corrosion Behavior of Deposits Carried out by Thermal Spraying in Electric ARC â€“ Thermal Activated. Applied Mechanics and Materials, 2014, 657, 261-265.	0.2	0
56	The effect of frontal nozzle geometry and gas pressure on the steel coating properties obtained by wire arc spraying. Surface and Coatings Technology, 2013, 220, 266-270.	4.8	30
57	Generalized lift force for complex fluid. Powder Technology, 2013, 235, 685-695.	4.2	15
58	The Improvement of the Physical and Mechanical Properties of Steel Deposits Obtained by Thermal Spraying in Electric Arc. Advanced Materials Research, 2013, 814, 173-179.	0.3	8
59	Characterization of Aluminum Laser Produced Plasma by Target Current Measurements. Japanese Journal of Applied Physics, 2012, 51, 106102.	1.5	14
60	Nonlinearities in Drug Release Process from Polymeric Microparticles: Long-Time-Scale Behaviour. Journal of Applied Mathematics, 2012, 2012, 1-26.	0.9	9
61	SEMâ€EDX and microftir studies on evaluation of protection capacity of some thin phosphate layers. Microscopy Research and Technique, 2012, 75, 1711-1716.	2.2	15
62	Characterization of Aluminum Laser Produced Plasma by Target Current Measurements. Japanese Journal of Applied Physics, 2012, 51, 106102.	1.5	11
63	Suggestions for classifying the fractals and their connections with the Cantor's cardinal numbers. Journal of Physics: Conference Series, 2008, 96, 012142.	0.4	0
64	New Theoretical Approach of the Physical Processes in Nanostructures. Journal of Computational and Theoretical Nanoscience, 2008, 5, 483-489.	0.4	24
65	Determining the force and pressure at the extrusion of union nuts from cylindrical semiproducts. Surface Engineering and Applied Electrochemistry, 2007, 43, 222-225.	0.8	0
66	The Influence of the Diffusion on Adherence of the 60T Deposits Obtained by Thermal Spraying in Electric Arc. Applied Mechanics and Materials, 0, 371, 270-274.	0.2	3
67	The Increasing of Corrosion Resistance of Low Alloy Carbon Steels Used in Petroleum Industry through Coating with Alloys Based on Fe-Ni-Cr by Thermal Spray. Advanced Materials Research, 0, 1029, 158-163.	0.3	1
68	Experimental Determination of the Yield Stress for Copper, Cu_99.75. Applied Mechanics and Materials, 0, 659, 40-45.	0.2	3
69	The Effect of Silicon Content into the Aluminum Matrix on the Microstructure and Mechanical Properties of TIG/FSW Welds. Advanced Materials Research, 0, 1029, 106-111.	0.3	0
70	The Experimental Determination of the Friction Stress between the Semi-Product and the Active Plate at the Multiaxial Forging of Copper. Materials Science Forum, 0, 803, 216-221.	0.3	5
71	The Behavior at Corrosion and Fatigue of the Aluminum Alloy, Coated with a Cobalt Base Alloy, Deposited by Thermal Spraying in Electric Arc. Applied Mechanics and Materials, 0, 809-810, 584-589.	0.2	0
72	Enhancing Properties of Reinforcing Steel by Chemical Phosphatation. Applied Mechanics and Materials, 0, 754-755, 310-314.	0.2	2

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73	Influence of Process Parameters on the Properties of TiO₂ Films Deposited by a D.C. Magnetron Sputtering System on Glass Support. Key Engineering Materials, 0, 660, 86-92.	0.4	5
74	Aluminum Flow Simulation to Severe Plastic Deformation by Multiaxial Forging. Applied Mechanics and Materials, 0, 809-810, 271-276.	0.2	0
75	Influence of Process Parameters and Geometry of the Spraying Nozzle on the Properties of Titanium Deposits Obtained in Wire Arc Spraying. Advanced Materials Research, 0, 1111, 211-216.	0.3	1
76	Hard Alloys with High Content of WC and TiCâ€"Deposited by Arc Spraying Process. , 0, , .		1