

Costica Bejinariu

List of Publications by Year in descending order

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#	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. <i>Materials</i> , 2022, 15, 202.	2.9	38
2	Key elements on implementing an occupational health and safety management system using ISO 45001 standard. <i>MATEC Web of Conferences</i> , 2017, 121, 11007.	0.2	35
3	Evaluation of the Corrosion Resistance of Phosphate Coatings Deposited on the Surface of the Carbon Steel Used for Carabiners Manufacturing. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2753.	2.5	34
4	The effect of frontal nozzle geometry and gas pressure on the steel coating properties obtained by wire arc spraying. <i>Surface and Coatings Technology</i> , 2013, 220, 266-270.	4.8	30
5	Considerations on Applying the Method for Assessing the Level of Safety at Work. <i>Sustainability</i> , 2017, 9, 1263.	3.2	24
6	New Theoretical Approach of the Physical Processes in Nanostructures. <i>Journal of Computational and Theoretical Nanoscience</i> , 2008, 5, 483-489.	0.4	24
7	Phosphate Surface Treatment for Improving the Corrosion Resistance of the C45 Carbon Steel Used in Carabiners Manufacturing. <i>Materials</i> , 2020, 13, 3410.	2.9	23
8	CONSIDERATIONS ON THE METHOD FOR SELF ASSESSMENT OF SAFETY AT WORK. <i>Environmental Engineering and Management Journal</i> , 2017, 16, 1395-1400.	0.6	22
9	SEM and EDX and microftir studies on evaluation of protection capacity of some thin phosphate layers. <i>Microscopy Research and Technique</i> , 2012, 75, 1711-1716.	2.2	15
10	Generalized lift force for complex fluid. <i>Powder Technology</i> , 2013, 235, 685-695.	4.2	15
11	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
12	Characterization of Aluminum Laser Produced Plasma by Target Current Measurements. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 106102.	1.5	14
13	CONSIDERATIONS ON IMPROVING OCCUPATIONAL HEALTH AND SAFETY PERFORMANCE IN COMPANIES USING ISO 45001 STANDARD. <i>Environmental Engineering and Management Journal</i> , 2018, 17, 2711-2717.	0.6	13
14	The Galvanic Corrosion Behavior of Phosphated Carbon Steel Used at Carabiners Manufacturing. <i>Revista De Chimie (discontinued)</i> , 2019, 70, 215-219.	0.4	11
15	Characterization of Aluminum Laser Produced Plasma by Target Current Measurements. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 106102.	1.5	11
16	Experimental Determination of Force and Deformation Stress in Nanostructuring Aluminum by Multiaxial Forging Method. <i>Applied Mechanics and Materials</i> , 2014, 657, 137-141.	0.2	10
17	Nonlinearities in Drug Release Process from Polymeric Microparticles: Long-Time-Scale Behaviour. <i>Journal of Applied Mathematics</i> , 2012, 2012, 1-26.	0.9	9
18	Experimental Analysis of Resistance to Electrocorosion of a High Chromium Cast Iron with Applications in the Vehicle Industry. <i>Revista De Chimie (discontinued)</i> , 2017, 68, 2397-2401.	0.4	9

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19	Electro-chemical Corrosion of a Cast Iron Protected with a Al ₂ O ₃ Ceramic Layer. Revista De Chimie (discontinued), 2019, 69, 3586-3589.	0.4	9
20	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
21	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
22	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
23	Characterization of Advanced Ceramic Materials Thin Films Deposited on Fe-C Substrate. Revista De Chimie (discontinued), 2017, 68, 2582-2587.	0.4	8
24	Shock Resistance Improvement of Carbon Steel Carabiners Used at PPE. MATEC Web of Conferences, 2019, 290, 12004.	0.2	7
25	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
26	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
27	Influence of Process Parameters on the Properties of TiO ₂ Films Deposited by a D.C. Magnetron Sputtering System on Glass Support. Key Engineering Materials, 0, 660, 86-92.	0.4	5
28	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
29	Experimental and Theoretical Aspects of Nanostructuring by Multiaxial Forging. Journal of Computational and Theoretical Nanoscience, 2017, 14, 1744-1750.	0.4	5
30	Carbon steel carabiners improvements for use in potentially explosive atmospheres. MATEC Web of Conferences, 2020, 305, 00015.	0.2	4
31	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
32	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
33	Galvanic Corrosion Behaviour of Different Types of Coatings Used in Safety Systems Manufacturing. Coatings, 2021, 11, 1542.	2.6	4
34	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
35	Experimental Determination of the Yield Stress for Copper, Cu _{99.75} . Applied Mechanics and Materials, 0, 659, 40-45.	0.2	3
36	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

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37	Researches on the Improvement of the Bioactivity of TiO ₂ Deposits, Obtained by Magnetron Sputtering - DC. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012017.	0.6	3
38	Structural Analysis of Carabiners Materials Used at Personal Protective Equipments. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012040.	0.6	3
39	Chemical Deposition of Thin Layers on Reinforcing Steel. Key Engineering Materials, 2015, 660, 213-218.	0.4	2
40	Enhancing Properties of Reinforcing Steel by Chemical Phosphatation. Applied Mechanics and Materials, 0, 754-755, 310-314.	0.2	2
41	Copper Flow Simulation to Severe Plastic Deformation by Multiaxial Forging. Key Engineering Materials, 2015, 660, 62-67.	0.4	2
42	Preliminary results on complex ceramic layers deposition by atmospheric plasma spraying. AIP Conference Proceedings, 2017, , .	0.4	2
43	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
44	Assessment of Hard Thin Layers Deposited by Plasma Spray on Hydroboration. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012029.	0.6	2
45	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
46	Corrosion Behaviour of Nodular Cast Iron Used for Rotor Manufacturing in Different Wastewaters. Coatings, 2022, 12, 911.	2.6	2
47	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
48	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
49	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
50	Corrosion Evaluation of Some Phosphated Thin Layers on Reinforcing Steel. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012025.	0.6	1
51	Obtaining of High Cr Content Cast Iron Materials. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012046.	0.6	1
52	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
53	MEVA - a new method of occupational health and safety risk assessment. MATEC Web of Conferences, 2019, 290, 12008.	0.2	1
54	Hard Alloys with High Content of WC and TiC Deposited by Arc Spraying Process. , 0, , .		1

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55	Analysis of non-sparking metallic materials for potentially explosive atmospheres. MATEC Web of Conferences, 2021, 343, 10014.	0.2	1
56	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
57	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
58	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
59	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
60	Experimental Studies on Adherence Resistance of Thermally Sprayed Metallic Coatings. Applied Mechanics and Materials, 2014, 657, 271-275.	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	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
63	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
64	Aluminum Flow Simulation to Severe Plastic Deformation by Multiaxial Forging. Applied Mechanics and Materials, 0, 809-810, 271-276.	0.2	0
65	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
66	Adhesion Characterisation of Complex Ceramics Thin Layers Deposited on Metallic Substrate. Materials Science Forum, 2017, 907, 126-133.	0.3	0
67	Determination of friction coefficient between copper semi-finished and plastic deformation tools. AIP Conference Proceedings, 2017, , .	0.4	0
68	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
69	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
70	Aspects Regarding Instantaneous Corrosion of Nodular Iron in Household Wastewater. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012016.	0.6	0
71	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
72	Influence of nanostructuring on the sound velocity in copper Cu _{99.75} . IOP Conference Series: Materials Science and Engineering, 2018, 400, 072002.	0.6	0

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73	Influence of Nanostructuring on the Sound Velocity in Aluminum Al _{99.50} . IOP Conference Series: Materials Science and Engineering, 2018, 374, 012038.	0.6	0
74	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
75	Phosphating Depositions for Equipment's Used in Explosive Atmospheres. MATEC Web of Conferences, 2021, 343, 10011.	0.2	0
76	Effect of Climate Change on Pedological Modifications and Soil Aridity Process in Vineyards. Revista De Chimie (discontinued), 2017, 68, 2662-2671.	0.4	0