

Ehsan Saebnoori

List of Publications by Year in descending order

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26
papers

592
citations

759233

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all docs

26
docs citations

26
times ranked

742
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrophoretic-deposited hydroxyapatite-copper nanocomposite as an antibacterial coating for biomedical applications. <i>Surface and Coatings Technology</i> , 2017, 321, 171-179.	4.8	103
2	In vitro degradation behavior, antibacterial activity and cytotoxicity of TiO ₂ -MAO/ZnHA composite coating on Mg alloy for orthopedic implants. <i>Surface and Coatings Technology</i> , 2018, 334, 450-460.	4.8	101
3	Electrochemical impedance spectroscopy analysis of X70 pipeline steel stress corrosion cracking in high pH carbonate solution. <i>Corrosion Science</i> , 2012, 61, 111-122.	6.6	70
4	Microstructure, deposition mechanism and corrosion behavior of nanostructured cerium oxide conversion coating modified with chitosan on AA2024 aluminum alloy. <i>Journal of Alloys and Compounds</i> , 2017, 725, 968-975.	5.5	53
5	Effect of rare earth elements addition on thermal fatigue behaviors of AZ91 magnesium alloy. <i>Journal of Rare Earths</i> , 2009, 27, 255-258.	4.8	49
6	Processing and surface properties of Al ⁺ AlN composites produced from nanostructured milled powders. <i>Journal of Alloys and Compounds</i> , 2010, 490, 624-630.	5.5	25
7	Hybrid Machine Learning Techniques and Computational Mechanics: Estimating the Dynamic Behavior of Oxide Precipitation Hardened Steel. <i>IEEE Access</i> , 2021, 9, 156930-156946.	4.2	22
8	Extremely high pitting resistance of NiTi shape memory alloy thin film in simulated body fluids. <i>Materials Letters</i> , 2008, 62, 2791-2794.	2.6	19
9	Investigation of heat-treatment and pre-treatment on microstructure and electrochemical properties of cerium nano-oxide films on AA7020-T6 by sol ⁺ gel methods. <i>Applied Surface Science</i> , 2008, 254, 5683-5690.	6.1	17
10	The solution plasma synthesis, characterisation, and antibacterial activities of dispersed CuO nanoparticles. <i>Materials Technology</i> , 2022, 37, 1220-1229.	3.0	16
11	Fabrication of porous NiTi alloy via powder metallurgy and its mechanical characterization by shear punch method. <i>Russian Journal of Non-Ferrous Metals</i> , 2012, 53, 169-175.	0.6	14
12	Complexes of Imidazole with Poly(ethylene glycol) as a Corrosion Inhibitor for Carbon Steel in Sulphuric Acid. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 4696-4709.	2.5	14
13	Surface characteristics and electrochemical behaviour of sputter-deposited NiTi thin film. <i>Philosophical Magazine</i> , 2015, 95, 1696-1716.	1.6	10
14	Chryseobacterium indologenes MUT.2 bacterial biopolymer as a novel green inhibitor protecting carbon steel corrosion in acidic solution. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4698-4705.	6.7	10
15	Novel synthesis of nickel ferrite magnetic nanoparticles by an in ⁺ liquid plasma. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10424-10442.	2.2	10
16	Assessing the Efficiency of Sodium Ferrate Production by Solution Plasma Process. <i>Plasma Chemistry and Plasma Processing</i> , 2019, 39, 769-786.	2.4	9
17	Potential role of machine learning techniques for modeling the hardness of OPH steels. <i>Materials Today Communications</i> , 2021, 26, 101806.	1.9	9
18	A Study on the Passivation Behavior and Semiconducting Properties of Gamma Titanium Aluminide in 0.1N H ₂ SO ₄ , HNO ₃ , and HClO ₄ Acidic Solutions. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 912-917.	2.5	7

#	ARTICLE	IF	CITATIONS
19	High Temperature and Corrosion Properties of A Newly Developed Fe-Al-O Based OPH Alloy. <i>Metals</i> , 2020, 10, 167.	2.3	6
20	Changes in the resistance to corrosion of thermally passivated titanium aluminide during exposure to sodium chloride solution. <i>Research on Chemical Intermediates</i> , 2015, 41, 1079-1095.	2.7	5
21	Investigation in effect of different culture medium on the anti-corrosive performance of bacterial biopolymer. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 77, 64-72.	5.3	5
22	The Effect of Heat Treatment on the Tribological Properties and Room Temperature Corrosion Behavior of Fe-Cr-Al-Based OPH Alloy. <i>Materials</i> , 2020, 13, 5465.	2.9	5
23	Corrosion resistance enhancement of Ti-47Al-2Cr by thermal treatment in a controlled atmosphere. <i>Anti-Corrosion Methods and Materials</i> , 2012, 59, 51-56.	1.5	4
24	Comparing Morphology and Corrosion Behavior of Nanostructured Coatings Obtained via Plasma Electrolytic Oxidation with Direct and Pulse Currents on Commercial Titanium Substrate. <i>Surface Engineering and Applied Electrochemistry</i> , 2019, 55, 667-678.	0.8	3
25	Development of Machine Learning Models to Evaluate the Toughness of OPH Alloys. <i>Materials</i> , 2021, 14, 6713.	2.9	3
26	Surface Pretreatments of AA5083 Aluminum Alloy with Enhanced Corrosion Protection for Cerium-Based Conversion Coatings Application: Combined Experimental and Computational Analysis. <i>Molecules</i> , 2021, 26, 7413.	3.8	3