

A H Jafari

List of Publications by Year in descending order

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32
papers

761
citations

567281

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32
docs citations

32
times ranked

843
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Myrtus communis</i> extract: a bio-controller for microbial corrosion induced by sulphate reducing bacteria. <i>Corrosion Engineering Science and Technology</i> , 2021, 56, 269-278.	1.4	6
2	Selective colorimetric detection of HgII using silver nanoparticles modified with Apple and Nigella Sativa seed extracts and β -Cyclodextrin. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103566.	6.7	4
3	Corrosion control of aluminum in the solutions of NaCl, HCl and NaOH using 2,6-dimethylpyridine inhibitor: Experimental and DFT insights. <i>Materials Chemistry and Physics</i> , 2020, 244, 122681.	4.0	46
4	Adsorption behavior of Sb(III) in single and binary Sb(III)-Fe(II) systems on cationic ion exchange resin: Adsorption equilibrium, kinetic and thermodynamic aspects. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 236-248.	4.2	21
5	Scandium recovery from raffinate copper leach solution as potential new source with ion exchange method. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 3103-3113.	4.2	7
6	Morphological and mechanical characterization of co-deposited Ni/Cr ₃ C ₂ -NiCr composite coatings. <i>Materials Research Express</i> , 2019, 6, 086517.	1.6	4
7	Microstructure and corrosion resistance of Ni/Cr ₃ C ₂ -NiCr composite coating. <i>Anti-Corrosion Methods and Materials</i> , 2019, 66, 471-478.	1.5	3
8	Co-precipitation synthesis of ZnO-TiO ₂ nanostructure composites for arsenic photodegradation from industrial wastewater. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 463-468.	3.5	20
9	Experimental and theoretical study of aluminium corrosion in NaOH, NaCl and HCl solutions. <i>Anti-Corrosion Methods and Materials</i> , 2018, 65, 350-360.	1.5	5
10	Adsorption and corrosion inhibition behavior of aluminium by 2,6-di methyl pyridine in distilled water. <i>Anti-Corrosion Methods and Materials</i> , 2017, 64, 550-554.	1.5	8
11	Influence of BN and B ₄ C particulates on wear and corrosion resistance of electroplated nickel matrix composite coatings. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2015, 9, 105-110.	1.4	12
12	Layer-by-layer surfactants on silica nanoparticles for active corrosion protection. <i>Corrosion Engineering Science and Technology</i> , 2014, 49, 743-748.	1.4	6
13	Corrosion protection properties of silica coatings formed by sol-gel method on Al: The effects of acidity, withdrawal speed, and annealing temperature. <i>Progress in Organic Coatings</i> , 2014, 77, 142-145.	3.9	12
14	Enhancing Ni electroplated matrix through mixed boron nitride-carbide reinforcement. <i>Vacuum</i> , 2013, 92, 52-57.	3.5	14
15	Electrochemical and Quantum Chemical Studies of Aromatic Amines on the Steel Corrosion in Acid Solution. <i>Corrosion</i> , 2012, 68, 600-609.	1.1	10
16	Comparison of Symmetrical and Asymmetrical Cells by Statistical and Wavelet Analysis of Electrochemical Noise Data. <i>Corrosion</i> , 2012, 68, 1003-1014.	1.1	30
17	Comparison between ED and SDPS plots as the results of wavelet transform for analyzing electrochemical noise data. <i>Electrochimica Acta</i> , 2011, 56, 9986-9997.	5.2	52
18	Effect of SiO ₂ /OH ⁻ on plasma electrolytic oxidation of Ti-5Mo-4V-3Al. <i>Bulletin of Materials Science</i> , 2010, 33, 469-474.	1.7	1

#	ARTICLE	IF	CITATIONS
19	Effect of carbon steel microstructure and molecular structure of two new Schiff base compounds on inhibition performance in 1M HCl solution by DC, SEM and XRD studies. <i>Materials Chemistry and Physics</i> , 2010, 120, 134-141.	4.0	23
20	Investigation of Smart Nanocapsules Containing Inhibitors for Corrosion Protection of Copper. <i>Electrochimica Acta</i> , 2010, 55, 9004-9009.	5.2	68
21	Effect of carbon steel microstructures and molecular structure of two new Schiff base compounds on inhibition performance in 1M HCl solution by EIS. <i>Materials Chemistry and Physics</i> , 2009, 113, 986-993.	4.0	60
22	Erratum to "Effect of carbon steel microstructures and molecular structure of two new Schiff base compounds on inhibition performance in 1M HCl solution by EIS". <i>Materials Chemistry and Physics</i> , 2009, 115, 851.	4.0	1
23	Effect of carbon steel microstructures and molecular structure of two new Schiff base compounds on inhibition performance in 1 M HCl solution by EIS. <i>Materials Chemistry and Physics</i> , 2009, 115, 852-858.	4.0	105
24	Self-healing corrosion protection by nanostructure sol-gel impregnated with propargyl alcohol. <i>Electrochimica Acta</i> , 2009, 54, 7207-7213.	5.2	26
25	Electrochemical potential noise analysis of Cu-BTA system using wavelet transformation. <i>Journal of Electroanalytical Chemistry</i> , 2009, 633, 240-245.	3.8	24
26	Quantum chemical studies on corrosion inhibition of some lactones on mild steel in acid media. <i>Corrosion Science</i> , 2009, 51, 1428-1435.	6.6	56
27	Formation and rupture of carbonate film: an electrochemical noise approach. <i>Anti-Corrosion Methods and Materials</i> , 2009, 56, 103-109.	1.5	4
28	Influence of acid catalysts on the structural and magnetic properties of nanocrystalline barium ferrite prepared by sol-gel method. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, L137-L140.	2.3	13
29	Semi-empirical and ab initio quantum chemical characterisation of pyridine derivatives as HCl inhibitors of aluminium surface. <i>Computational and Theoretical Chemistry</i> , 2008, 870, 23-30.	1.5	28
30	Hot corrosion behavior of MCrAlY coatings on IN738LC. <i>Surface and Coatings Technology</i> , 2006, 201, 2202-2207.	4.8	47
31	Structural and mechanical properties of ZrN films prepared by ion beam sputtering with varying N ₂ /Ar ratio and substrate temperature. <i>Vacuum</i> , 2006, 81, 550-555.	3.5	35
32	Influence of bismuth on electrochemical behavior of sacrificial aluminum anode. <i>Anti-Corrosion Methods and Materials</i> , 2006, 53, 102-109.	1.5	10