A H Jafari

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3689545/publications.pdf

Version: 2024-02-01

32 papers	761 citations	567281 15 h-index	526287 27 g-index
32 all docs	32 docs citations	32 times ranked	843 citing authors

#	Article	IF	Citations
1	Effect of carbon steel microstructures and molecular structure of two new Schiff base compounds on inhibition performance in 1 M HCl solution by EIS. Materials Chemistry and Physics, 2009, 115, 852-858.	4.0	105
2	Investigation of Smart Nanocapsules Containing Inhibitors for Corrosion Protection of Copper. Electrochimica Acta, 2010, 55, 9004-9009.	5.2	68
3	Effect of carbon steel microstructures and molecular structure of two new Schiff base compounds on inhibition performance in 1M HCl solution by EIS. Materials Chemistry and Physics, 2009, 113, 986-993.	4.0	60
4	Quantum chemical studies on corrosion inhibition of some lactones on mild steel in acid media. Corrosion Science, 2009, 51, 1428-1435.	6.6	56
5	Comparison between ED and SDPS plots as the results of wavelet transform for analyzing electrochemical noise data. Electrochimica Acta, 2011, 56, 9986-9997.	5.2	52
6	Hot corrosion behavior of MCrAlY coatings on IN738LC. Surface and Coatings Technology, 2006, 201, 2202-2207.	4.8	47
7	Corrosion control of aluminum in the solutions of NaCl, HCl and NaOH using 2,6-dimethylpyridine inhibitor: Experimental and DFT insights. Materials Chemistry and Physics, 2020, 244, 122681.	4.0	46
8	Structural and mechanical properties of ZrN films prepared by ion beam sputtering with varying N2/Ar ratio and substrate temperature. Vacuum, 2006, 81, 550-555.	3.5	35
9	Comparison of Symmetrical and Asymmetrical Cells by Statistical and Wavelet Analysis of Electrochemical Noise Data. Corrosion, 2012, 68, 1003-1014.	1.1	30
10	Semi-empirical and ab initio quantum chemical characterisation of pyridine derivatives as HCl inhibitors of aluminium surface. Computational and Theoretical Chemistry, 2008, 870, 23-30.	1.5	28
11	Self-healing corrosion protection by nanostructure solâ€“gel impregnated with propargyl alcohol. Electrochimica Acta, 2009, 54, 7207-7213.	5.2	26
12	Electrochemical potential noise analysis of Cuâ€“BTA system using wavelet transformation. Journal of Electroanalytical Chemistry, 2009, 633, 240-245.	3.8	24
13	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. Materials Chemistry and Physics, 2010, 120, 134-141.	4.0	23
14	Adsorption behavior of Sb(III) in single and binary Sb(III)â€”Fe(II) systems on cationic ion exchange resin: Adsorption equilibrium, kinetic and thermodynamic aspects. Transactions of Nonferrous Metals Society of China, 2020, 30, 236-248.	4.2	21
15	Co-precipitation synthesis of ZnOâ€“TiO2 nanostructure composites for arsenic photodegradation from industrial wastewater. International Journal of Environmental Science and Technology, 2019, 16, 463-468.	3.5	20
16	Enhancing Ni electroplated matrix through mixed boron nitrideâ€“carbide reinforcement. Vacuum, 2013, 92, 52-57.	3.5	14
17	Influence of acid catalysts on the structural and magnetic properties of nanocrystalline barium ferrite prepared by solâ€“gel method. Journal of Magnetism and Magnetic Materials, 2008, 320, L137-L140.	2.3	13
18	Corrosion protection properties of silica coatings formed by solâ€“gel method on Al: The effects of acidity, withdrawal speed, and annealing temperature. Progress in Organic Coatings, 2014, 77, 142-145.	3.9	12

#	Article	IF	Citations
19	Influence of BN and B₄C particulates on wear and corrosion resistance of electroplated nickel matrix composite coatings. Tribology - Materials, Surfaces and Interfaces, 2015, 9, 105-110.	1.4	12
20	Influence of bismuth on electrochemical behavior of sacrificial aluminum anode. Anti-Corrosion Methods and Materials, 2006, 53, 102-109.	1.5	10
21	Electrochemical and Quantum Chemical Studies of Aromatic Amines on the Steel Corrosion in Acid Solution. Corrosion, 2012, 68, 600-609.	1.1	10
22	Adsorption and corrosion inhibition behavior of aluminium by 2,6-di methyl pyridine in distilled water. Anti-Corrosion Methods and Materials, 2017, 64, 550-554.	1.5	8
23	Scandium recovery from raffinate copper leach solution as potential new source with ion exchange method. Transactions of Nonferrous Metals Society of China, 2020, 30, 3103-3113.	4.2	7
24	Layer-by-layer surfactants on silica nanoparticles for active corrosion protection. Corrosion Engineering Science and Technology, 2014, 49, 743-748.	1.4	6
25	Myrtus communisextract: a bio-controller for microbial corrosion induced by sulphate reducing bacteria. Corrosion Engineering Science and Technology, 2021, 56, 269-278.	1.4	6
26	Experimental and theoretical study of aluminium corrosion in NaOH, NaCl and HCl solutions. Anti-Corrosion Methods and Materials, 2018, 65, 350-360.	1.5	5
27	Formation and rupture of carbonate film: an electrochemical noise approach. Anti-Corrosion Methods and Materials, 2009, 56, 103-109.	1.5	4
28	Morphological and mechanical characterization of co-deposited Ni/Cr3C2â€“NiCr composite coatings. Materials Research Express, 2019, 6, 086517.	1.6	4
29	Selective colorimetric detection of HgII using silver nanoparticles modified with Apple and Nigella Sativa seed extracts and Î²-Cyclodextrin. Journal of Environmental Chemical Engineering, 2020, 8, 103566.	6.7	4
30	Microstructure and corrosion resistance of Ni/Cr3C2-NiCr composite coating. Anti-Corrosion Methods and Materials, 2019, 66, 471-478.	1.5	3
31	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". Materials Chemistry and Physics, 2009, 115, 851.	4.0	1
32	Effect of SiO 3 2â^' /OHâ^' on plasma electrolytic oxidation of Ti-5Mo-4V-3Al. Bulletin of Materials Science, 2010, 33, 469-474.	1.7	1