

Khaled F Khaled

List of Publications by Year in descending order

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58
papers

6,473
citations

71102

41
h-index

118850

62
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62
docs citations

62
times ranked

2779
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the electronic and optical absorption properties for homo- and hetero-pyrrole-graphene quantum dots. <i>Journal of Computational Electronics</i> , 2021, 20, 2387-2402.	2.5	3
2	Quantitative structure activity relationship and artificial neural network as vital tools in predicting coordination capabilities of organic compounds with metal surface: A review. <i>Coordination Chemistry Reviews</i> , 2021, 446, 214101.	18.8	40
3	A Manganese-Based Coordination Polymer; Synthesis, Structure and Catalytic Activity. <i>Journal of Chemical Research</i> , 2016, 40, 422-427.	1.3	1
4	Cerium salt as green corrosion inhibitor for steel in acid medium. <i>Research on Chemical Intermediates</i> , 2015, 41, 49-62.	2.7	8
5	Scientific integrity in the digital age: data fabrication. <i>Research on Chemical Intermediates</i> , 2014, 40, 1815-1849.	2.7	2
6	Scientific fraud in corrosion science research: A review. <i>Research on Chemical Intermediates</i> , 2014, 40, 1735-1752.	2.7	5
7	Experimental, Monte Carlo and molecular dynamics simulations to investigate corrosion inhibition of mild steel in hydrochloric acid solutions. <i>Arabian Journal of Chemistry</i> , 2014, 7, 319-326.	4.9	70
8	Scientific fraud and the power structure of science. <i>Research on Chemical Intermediates</i> , 2014, 40, 2785-2798.	2.7	2
9	On the corrosion inhibition of iron in hydrochloric acid solutions, Part I: Electrochemical DC and AC studies. <i>Arabian Journal of Chemistry</i> , 2012, 5, 213-218.	4.9	25
10	Modeling corrosion inhibition of iron in acid medium by genetic function approximation method: A QSAR model. <i>Corrosion Science</i> , 2011, 53, 3457-3465.	6.6	79
11	Electrochemical investigation of corrosion and corrosion inhibition of iron in hydrochloric acid solutions. <i>Arabian Journal of Chemistry</i> , 2011, 4, 397-402.	4.9	17
12	Experimental and computational investigations of corrosion and corrosion inhibition of iron in acid solutions. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 277-287.	2.9	28
13	Molecular modeling and electrochemical investigations of the corrosion inhibition of nickel using some thiosemicarbazone derivatives. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 423-433.	2.9	40
14	Inhibition of copper corrosion in 3.5% NaCl solutions by a new pyrimidine derivative: electrochemical and computer simulation techniques. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 663-673.	2.5	65
15	Thermodynamic, chemical and electrochemical investigations of 2-mercapto benzimidazole as corrosion inhibitor for mild steel in hydrochloric acid solutions. <i>Arabian Journal of Chemistry</i> , 2011, 4, 17-24.	4.9	76
16	Employing electrochemical frequency modulation for studying corrosion and corrosion inhibition of copper in sodium chloride solutions. <i>Arabian Journal of Chemistry</i> , 2011, 4, 185-193.	4.9	35
17	Corrosion inhibition of iron in hydrochloric acid using pyrazole. <i>Arabian Journal of Chemistry</i> , 2011, 4, 333-337.	4.9	36
18	On the corrosion inhibition and adsorption behaviour of some benzotriazole derivatives during copper corrosion in nitric acid solutions: a combined experimental and theoretical study. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 601-613.	2.9	57

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19	Kinetic investigation of C38 steel corrosion in concentrated perchloric acid solutions. <i>Materials Chemistry and Physics</i> , 2010, 120, 61-64.	4.0	9
20	Experimental, density function theory calculations and molecular dynamics simulations to investigate the adsorption of some thiourea derivatives on iron surface in nitric acid solutions. <i>Applied Surface Science</i> , 2010, 256, 6753-6763.	6.1	99
21	Electrochemical behavior of nickel in nitric acid and its corrosion inhibition using some thiosemicarbazone derivatives. <i>Electrochimica Acta</i> , 2010, 55, 5375-5383.	5.2	65
22	Corrosion inhibition of copper in chloride media by 2-mercapto-4-(p-methoxyphenyl)-6-oxo-1,6-dihydropyrimidine-5-carbonitrile: Electrochemical and theoretical study. <i>Arabian Journal of Chemistry</i> , 2010, 3, 233-242.	4.9	48
23	Studies of iron corrosion inhibition using chemical, electrochemical and computer simulation techniques. <i>Electrochimica Acta</i> , 2010, 55, 6523-6532.	5.2	238
24	Understanding Corrosion Inhibition of Mild Steel in Acid Medium by Some Furan Derivatives: A Comprehensive Overview. <i>Journal of the Electrochemical Society</i> , 2010, 157, C116.	2.9	32
25	Testing validity of the Tafel extrapolation method for monitoring corrosion of cold rolled steel in HCl solutions – Experimental and theoretical studies. <i>Corrosion Science</i> , 2010, 52, 140-151.	6.6	274
26	Monitoring corrosion and corrosion control of iron in HCl by non-ionic surfactants of the TRITON-X series – Part I. Tafel polarisation, ICP-AES and EFM studies. <i>Corrosion Science</i> , 2010, 52, 1762-1770.	6.6	40
27	Copper corrosion inhibition in O ₂ -saturated H ₂ SO ₄ solutions. <i>Corrosion Science</i> , 2010, 52, 1194-1204.	6.6	142
28	A study of the inhibition of iron corrosion in HCl solutions by some amino acids. <i>Corrosion Science</i> , 2010, 52, 1684-1695.	6.6	308
29	Electrochemical investigation and modeling of corrosion inhibition of aluminum in molar nitric acid using some sulphur-containing amines. <i>Corrosion Science</i> , 2010, 52, 2905-2916.	6.6	158
30	Corrosion control of copper in nitric acid solutions using some amino acids – A combined experimental and theoretical study. <i>Corrosion Science</i> , 2010, 52, 3225-3234.	6.6	255
31	Experimental and molecular dynamics study on the inhibition performance of some nitrogen containing compounds for iron corrosion. <i>Materials Chemistry and Physics</i> , 2010, 124, 760-767.	4.0	37
32	The inhibitive effect of some tetrazole derivatives towards Al corrosion in acid solution: Chemical, electrochemical and theoretical studies. <i>Materials Chemistry and Physics</i> , 2009, 113, 150-158.	4.0	268
33	Some benzotriazole derivatives as corrosion inhibitors for copper in acidic medium: Experimental and quantum chemical molecular dynamics approach. <i>Materials Chemistry and Physics</i> , 2009, 117, 148-155.	4.0	132
34	Evaluation of electrochemical frequency modulation as a new technique for monitoring corrosion and corrosion inhibition of carbon steel in perchloric acid using hydrazine carbodithioic acid derivatives. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 429-438.	2.9	47
35	Electrochemical and molecular dynamics simulation studies on the corrosion inhibition of aluminum in molar hydrochloric acid using some imidazole derivatives. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 2553-2568.	2.9	75
36	Experimental and atomistic simulation studies of corrosion inhibition of copper by a new benzotriazole derivative in acid medium. <i>Electrochimica Acta</i> , 2009, 54, 4345-4352.	5.2	140

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37	Monte Carlo simulations of corrosion inhibition of mild steel in 0.5M sulphuric acid by some green corrosion inhibitors. Journal of Solid State Electrochemistry, 2009, 13, 1743-1756.	2.5	180
38	Corrosion monitoring of mild steel in sulphuric acid solutions in presence of some thiazole derivatives “ Molecular dynamics, chemical and electrochemical studies. Corrosion Science, 2009, 51, 1964-1975.	6.6	179
39	Dry and wet lab studies for some benzotriazole derivatives as possible corrosion inhibitors for copper in 1.0M HNO ₃ . Corrosion Science, 2009, 51, 2098-2106.	6.6	72
40	Adsorption and inhibitive properties of a new synthesized guanidine derivative on corrosion of copper in 0.5M H ₂ SO ₄ . Applied Surface Science, 2008, 255, 1811-1818.	6.1	119
41	Computational and electrochemical investigation for corrosion inhibition of nickel in molar nitric acid by piperidines. Journal of Applied Electrochemistry, 2008, 38, 1609-1621.	2.9	57
42	Molecular simulation, quantum chemical calculations and electrochemical studies for inhibition of mild steel by triazoles. Electrochimica Acta, 2008, 53, 3484-3492.	5.2	301
43	Guanidine derivative as a new corrosion inhibitor for copper in 3% NaCl solution. Materials Chemistry and Physics, 2008, 112, 104-111.	4.0	134
44	On the corrosion inhibition of low carbon steel in concentrated sulphuric acid solutions. Part I: Chemical and electrochemical (AC and DC) studies. Corrosion Science, 2008, 50, 2258-2271.	6.6	148
45	Cobalt(III) complexes of macrocyclic-bidentate type as a new group of corrosion inhibitors for iron in perchloric acid. Corrosion Science, 2006, 48, 3014-3034.	6.6	62
46	Experimental and theoretical study for corrosion inhibition of mild steel in hydrochloric acid solution by some new hydrazine carbodithioic acid derivatives. Applied Surface Science, 2006, 252, 4120-4128.	6.1	137
47	Electrochemical frequency modulation as a new technique for monitoring corrosion inhibition of iron in acid media by new thiourea derivative. Electrochimica Acta, 2006, 51, 3269-3277.	5.2	271
48	Investigation of the inhibiting action of O-, S- and N-dithiocarbamate(1,4,8,11-tetraazacyclotetradecane)cobalt(III) complexes on the corrosion of iron in HClO ₄ acid. Applied Surface Science, 2005, 240, 327-340.	6.1	67
49	Theoretical study of the structural effects of polymethylene amines on corrosion inhibition of iron in acid solutions. Electrochimica Acta, 2005, 50, 2515-2520.	5.2	146
50	N-heterocyclic amines and derivatives as corrosion inhibitors for iron in perchloric acid. Anti-Corrosion Methods and Materials, 2005, 52, 11-21.	1.5	54
51	Piperidines As Corrosion Inhibitors for Iron in Hydrochloric Acid. Journal of Applied Electrochemistry, 2004, 34, 697-704.	2.9	70
52	An electrochemical study for corrosion inhibition of iron by some organic phosphonium chloride derivatives in acid media. Applied Surface Science, 2004, 230, 307-318.	6.1	69
53	Ortho-substituted anilines to inhibit copper corrosion in aerated 0.5 M hydrochloric acid. Electrochimica Acta, 2004, 49, 485-495.	5.2	147
54	Investigation of the inhibitive effect of ortho-substituted anilines on corrosion of iron in 0.5 M H ₂ SO ₄ solutions. Materials Chemistry and Physics, 2003, 82, 949-960.	4.0	75

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55	Investigation of the inhibitive effect of ortho-substituted anilines on corrosion of iron in 1 M HCl solutions. <i>Electrochimica Acta</i> , 2003, 48, 2715-2723.	5.2	241
56	The inhibition of benzimidazole derivatives on corrosion of iron in 1 M HCl solutions. <i>Electrochimica Acta</i> , 2003, 48, 2493-2503.	5.2	419
57	The inhibition of 4-(2-â€²-amino-5â€²-methylphenylazo) antipyrine on corrosion of mild steel in HCl solution. <i>Materials Chemistry and Physics</i> , 2001, 70, 268-273.	4.0	253
58	4-Aminoantipyrine as an inhibitor of mild steel corrosion in HCl solution. <i>Journal of Applied Electrochemistry</i> , 1999, 29, 593-599.	2.9	304