Wenpo Li

List of Publications by Year in descending order

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66 papers	3,760 citations	126708 33 h-index	128067 60 g-index
66 all docs	66 docs citations	66 times ranked	1788 citing authors

#	Article	IF	Citations
1	Experimental and theoretical studies on the corrosion inhibition of copper by two indazole derivatives in 3.0% NaCl solution. Journal of Colloid and Interface Science, 2016, 472, 52-59.	5.0	283
2	Experimental and theoretical studies of two imidazolium-based ionic liquids as inhibitors for mild steel in sulfuric acid solution. Corrosion Science, 2015, 95, 168-179.	3.0	268
3	Corrosion inhibition of X65 steel in sulfuric acid by two food flavorants 2-isobutylthiazole and 1-(1,3-Thiazol-2-yl) ethanone as the green environmental corrosion inhibitors: Combination of experimental and theoretical researches. Journal of Colloid and Interface Science, 2019, 538, 519-529.	5.0	215
4	Investigation of 1-butyl-3-methyl-1H-benzimidazolium iodide as inhibitor for mild steel in sulfuric acid solution. Corrosion Science, 2014, 80, 383-392.	3.0	190
5	Insight into anti-corrosion nature of Betel leaves water extracts as the novel and eco-friendly inhibitors. Journal of Colloid and Interface Science, 2021, 585, 287-301.	5.0	190
6	Experimental and theoretical studies on the inhibition properties of three diphenyl disulfide derivatives on copper corrosion in acid medium. Journal of Molecular Liquids, 2020, 298, 111975.	2.3	172
7	Synergistic effect of tartaric acid with 2,6-diaminopyridine on the corrosion inhibition of mild steel in 0.5 M HCl. Scientific Reports, 2016, 6, 33305.	1.6	138
8	Insights into the inhibition mechanism of three 5-phenyltetrazole derivatives for copper corrosion in sulfuric acid medium via experimental and DFT methods. Journal of the Taiwan Institute of Chemical Engineers, 2019, 102, 424-437.	2.7	125
9	Research of Lilium brownii leaves extract as a commendable and green inhibitor for X70 steel corrosion in hydrochloric acid. Journal of Molecular Liquids, 2021, 321, 114914.	2.3	122
10	Experimental and theoretical investigations of some pyrazolo-pyrimidine derivatives as corrosion inhibitors on copper in sulfuric acid solution. Applied Surface Science, 2018, 459, 612-620.	3.1	115
11	Locust Bean Gum as a green and novel corrosion inhibitor for Q235 steel in 0.5ÂM H2SO4 medium. Journal of Molecular Liquids, 2020, 310, 113239.	2.3	111
12	Investigation of imidazole derivatives as corrosion inhibitors of copper in sulfuric acid: Combination of experimental and theoretical researches. Journal of the Taiwan Institute of Chemical Engineers, 2020, 106, 118-129.	2.7	101
13	Insight into the anti-corrosion performance of two food flavors as eco-friendly and ultra-high performance inhibitors for copper in sulfuric acid medium. Journal of Colloid and Interface Science, 2022, 609, 838-851.	5.0	100
14	Experimental and theoretical studies on inhibition performance of Cu corrosion in 0.5â€‰M H2SO4 by three disulfide derivatives. Journal of Industrial and Engineering Chemistry, 2019, 77, 449-460.	2.9	89
15	Magnolia grandiflora leaves extract as a novel environmentally friendly inhibitor for Q235 steel corrosion in 1ÂM HCl: Combining experimental and theoretical researches. Journal of Molecular Liquids, 2020, 311, 113312.	2.3	89
16	Passiflora edulia Sims leaves Extract as renewable and degradable inhibitor for copper in sulfuric acid solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 645, 128892.	2.3	85
17	Insight into the corrosion inhibition of copper in sulfuric acid via two environmentally friendly food spices: Combining experimental and theoretical methods. Journal of Molecular Liquids, 2019, 286, 110891.	2.3	82
18	Experimental and Theoretical Study on the Corrosion Inhibition of Mild Steel by 1-Octyl-3-methylimidazolium <scp>I</scp>-Prolinate in Sulfuric Acid Solution. Industrial & Engineering Chemistry Research, 2014, 53, 16349-16358.	1.8	80

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19	Free-standing, layered graphene monoliths for long-life supercapacitor. Chemical Engineering Journal, 2018, 350, 386-394.	6.6	67
20	Graphene oxide-drove transformation of NiS/Ni3S4 microbars towards Ni3S4 polyhedrons for supercapacitor. Journal of Colloid and Interface Science, 2020, 559, 115-123.	5.0	67
21	Banana leaves water extracts as inhibitor for X70 steel corrosion in HCl medium. Journal of Molecular Liquids, 2021, 327, 114828.	2.3	52
22	Investigation of Losartan Potassium as an eco-friendly corrosion inhibitor for copper in 0.5ÂM H2SO4. Journal of Molecular Liquids, 2020, 305, 112789.	2.3	51
23	Investigating the inhibitive effect of Davidia involucrata leaf extract as a biological eco-friendly inhibitor for copper in acidic medium. Journal of Molecular Liquids, 2021, 325, 115214.	2.3	50
24	Evaluation of Idesia polycarpa Maxim fruits extract as a natural green corrosion inhibitor for copper in 0.5ÂM sulfuric acid solution. Journal of Molecular Liquids, 2020, 318, 114080.	2.3	49
25	Camphor leaves extract as a neoteric and environment friendly inhibitor for Q235 steel in HCl medium: Combining experimental and theoretical researches. Journal of Molecular Liquids, 2020, 312, 113433.	2.3	47
26	A first-principles study on the structural, elastic, electronic, optical, lattice dynamical, and thermodynamic properties of zinc-blende CdX (X= S, Se, and Te). Journal of Alloys and Compounds, 2013, 579, 583-593.	2.8	46
27	Facile fabrication of core-shell structured Ni(OH)2/Ni(PO3)2 composite via one-step electrodeposition for high performance asymmetric supercapacitor. Journal of Colloid and Interface Science, 2021, 583, 243-254.	5.0	44
28	Insight into anti-corrosion mechanism of tetrazole derivatives for X80 steel in 0.5ÂM H2SO4 medium: Combined experimental and theoretical researches. Journal of Molecular Liquids, 2021, 321, 114464.	2.3	44
29	Eco-friendly food spice 2-Furfurylthio-3-methylpyrazine as an excellent inhibitor for copper corrosion in sulfuric acid medium. Journal of Molecular Liquids, 2020, 317, 113915.	2.3	40
30	Mn3O4/Co(OH)2 cactus-type nanoarrays for high-energy-density asymmetric supercapacitors. Journal of Materials Science, 2020, 55, 724-737.	1.7	39
31	A new pyridazine derivative synthesized as an efficient corrosion inhibitor for copper in sulfuric acid medium: Experimental and theoretical calculation studies. Journal of Molecular Liquids, 2021, 341, 117370.	2.3	39
32	A voltammetric sensor based on eosin Y film modified glassy carbon electrode for simultaneous determination of hydroquinone and catechol. Analytical Methods, 2014, 6, 6494-6503.	1.3	38
33	Controlled synthesis of a high-performance Î±-NiS/Ni3S4 hybrid by a binary synergy of sulfur sources for supercapacitor. Journal of Colloid and Interface Science, 2021, 581, 56-65.	5.0	36
34	5-Mercapto-1-phenyltetrazole as a high-efficiency corrosion inhibitor for Q235 steel in acidic environment. Journal of Molecular Liquids, 2021, 325, 115132.	2.3	32
35	A combined experimental and theoretical research of the inhibition property of 2-((6-chloropyridazin-3-yl)thio)-N,N-diethylacetamide as a novel and effective inhibitor for Cu in H2SO4 medium. Journal of Molecular Liquids, 2020, 314, 113630.	2.3	28
36	Sulfur source-inspired synthesis of Î²-NiS with high specific capacity and tunable morphologies for hybrid supercapacitor. Electrochimica Acta, 2020, 337, 135826.	2.6	28

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37	Combining experimental and theoretical researches to insight into the anti-corrosion property of Morinda citrifolia Linn leaves extracts. Journal of Molecular Liquids, 2021, 325, 115145.	2.3	25
38	Adsorption of Gardenia jasminoides fruits extract on the interface of Cu/H2SO4 to inhibit Cu corrosion: Experimental and theoretical studies. Journal of Molecular Liquids, 2022, 345, 116996.	2.3	24
39	Ultrathin nickel manganese nanosheets with rich oxygen-vacancy as a durability electrode for aqueous Ni//Zn batteries. Journal of Colloid and Interface Science, 2020, 578, 677-684.	5.0	23
40	Combined electrochemical/surface and theoretical assessments of Rosa laevigata extract as an eco-friendly corrosion inhibitor for copper in acidic medium. Journal of the Taiwan Institute of Chemical Engineers, 2022, 136, 104408.	2.7	23
41	Peroxymonosulfate activation using a composite of copper and nickel oxide coated on SBA-15 for the removal of sulfonamide antibiotics. Environmental Research, 2022, 206, 112301.	3.7	20
42	In situ ellipsometric study of electrodeposition of manganese films on copper. Applied Surface Science, 2011, 257, 3275-3280.	3.1	19
43	Phosphate ion functionalization of Co(OH)2 nanosheets by a simple immersion method. Journal of Alloys and Compounds, 2018, 768, 57-64.	2.8	19
44	Coordination agent-dominated phase control of nickel sulfide for high-performance hybrid supercapacitor. Journal of Colloid and Interface Science, 2022, 607, 45-52.	5.0	19
45	Copper corrosion inhibition by combined effect of inhibitor and passive film in alkaline solution. Research on Chemical Intermediates, 2015, 41, 8557-8570.	1.3	18
46	Facile electrochemical phosphatization of Mn3O4 nanosheet arrays for supercapacitor with enhanced performance. Journal of Materials Science, 2019, 54, 625-637.	1.7	18
47	Insight into the corrosion inhibition property of Artocarpus heterophyllus Lam leaves extract. Journal of Industrial and Engineering Chemistry, 2021, 102, 260-270.	2.9	18
48	Insight into the anti-corrosion mechanism of 2-aminobenzenethiol as the inhibitor for copper in acid environment. Journal of Molecular Liquids, 2020, 320, 114494.	2.3	17
49	New small gemini ionic liquids for intensifying adsorption and corrosion resistance of copper surface in sulfuric acid solution. Journal of Environmental Chemical Engineering, 2021, 9, 106679.	3.3	15
50	Penetration into the inhibition performance of two piperazine derivatives as high-efficiency inhibitors for copper in sulfuric acid environment. Journal of Molecular Liquids, 2022, 356, 119015.	2.3	15
51	Combining experiment and theory researches to insight into anti-corrosion nature of a novel thiazole derivatives. Journal of the Taiwan Institute of Chemical Engineers, 2021, 122, 190-200.	2.7	14
52	A research combined theory with experiment of 2-Amino-6-(Methylsulfonyl)Benzothiazole as an excellent corrosion inhibitor for copper in H2SO4 medium. Journal of the Taiwan Institute of Chemical Engineers, 2021, 128, 417-429.	2.7	14
53	Self-assembly of new O- and S-heterocycle-based protective layers for copper in acid solution. Physical Chemistry Chemical Physics, 2020, 22, 4592-4601.	1.3	13
54	Construction of three-dimensional ordered structure of crystalline bismuth for long life aqueous nickel-bismuth batteries. Applied Surface Science, 2020, 515, 145977.	3.1	12

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55	Strengthened adsorption and corrosion inhibition of new single imidazole-type ionic liquid molecules to copper surface in sulfuric acid solution by molecular aggregation. Journal of Molecular Liquids, 2021, 338, 116675.	2.3	12
56	Halogeno-substituted indazoles against copper corrosion in industrial pickling process: a combined electrochemical, morphological and theoretical approach. RSC Advances, 2018, 8, 38860-38871.	1.7	11
57	Hierarchical MnO2 nanosheets synthesized via electrodeposition-hydrothermal method for supercapacitor electrodes. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	10
58	Study on corrosion inhibition performance of 1-dodecyl-3-methyl-1Âh-imidazolium nitrate on Cu in the sulfuric acid environment. Journal of Molecular Liquids, 2021, 340, 117189.	2.3	9
59	Adsorption and inhibition behavior of 3-chloro-6-mercaptopyridazine towards copper corrosion in sulfuric acid. Journal of Molecular Liquids, 2022, 357, 119100.	2.3	8
60	Fabrication of ultra-closely graphene-wrapped Ni foam substrate for supercapacitor electrode by flame induction and electrostatic interaction. Journal of Alloys and Compounds, 2019, 791, 423-430.	2.8	7
61	Regulating the structure and morphology of nickel sulfides for electrochemical energy storage: The role of solvent pH. Chemical Engineering Journal, 2022, 441, 136130.	6.6	7
62	Thermodynamics, core-level spectroscopy, morphology, and work function study of different TiCl3 crystalline phases: A theoretical approach. Journal of Alloys and Compounds, 2014, 602, 66-71.	2.8	6
63	Template-free synthesis of Î²-NiS ball-in-ball microspheres for a high-performance asymmetrical supercapacitor. Dalton Transactions, 2021, 50, 11512-11520.	1.6	5
64	A novel 2-D heterometallic polymer containing two types of 1-D cuprous polymeric chains and cir cle [V4O12]4â^' clusters. Journal of Alloys and Compounds, 2017, 713, 46-50.	2.8	3
65	A universal H2O2-induced phase transformation of nickel sulfide towards sulfur-rich component. Applied Surface Science, 2021, 565, 150557.	3.1	3
66	Plant extracts as environmentally sustainable corrosion inhibitors I. , 2022, , 263-282.		1