Yujie Qiang

List of Publications by Year
in descending order

72 papers	6,924 citations	71102 41 h-index	95266 68 g-index
72 all docs	72 docs citations	72 times ranked	2446 citing authors

#	Article	IF	Citations
1	Evaluation of Ginkgo leaf extract as an eco-friendly corrosion inhibitor of X70 steel in HCl solution. Corrosion Science, 2018, 133, 6-16.	6.6	517
2	Experimental and theoretical studies of four allyl imidazolium-based ionic liquids as green inhibitors for copper corrosion in sulfuric acid. Corrosion Science, 2017, 119, 68-78.	6.6	466
3	Theoretical insight into an empirical rule about organic corrosion inhibitors containing nitrogen, oxygen, and sulfur atoms. Applied Surface Science, 2017, 406, 301-306.	6.1	323
4	Three indazole derivatives as corrosion inhibitors of copper in a neutral chloride solution. Corrosion Science, 2017, 126, 295-304.	6.6	300
5	Fabrication of environmentally friendly Losartan potassium film for corrosion inhibition of mild steel in HCl medium. Chemical Engineering Journal, 2021, 406, 126863.	12.7	294
6	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.	9.4	283
7	Papaya leaves extract as a novel eco-friendly corrosion inhibitor for Cu in H2SO4 medium. Journal of Colloid and Interface Science, 2021, 582, 918-931.	9.4	275
8	Toward understanding the anticorrosive mechanism of some thiourea derivatives for carbon steel corrosion: A combined DFT and molecular dynamics investigation. Journal of Colloid and Interface Science, 2017, 506, 478-485.	9.4	268
9	Self-assembling anchored film basing on two tetrazole derivatives for application to protect copper in sulfuric acid environment. Journal of Materials Science and Technology, 2020, 52, 63-71.	10.7	218
10	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.	9.4	215
11	Enhanced anticorrosion performance of copper by novel N-doped carbon dots. Corrosion Science, 2019, 161, 108193.	6.6	199
12	A combined experimental and theoretical study of the inhibition effect of three disulfide-based flavouring agents for copper corrosion in 0.5â€¯M sulfuric acid. Journal of Colloid and Interface Science, 2018, 526, 268-280.	9.4	198
13	Understanding the adsorption and anticorrosive mechanism of DNA inhibitor for copper in sulfuric acid. Applied Surface Science, 2019, 492, 228-238.	6.1	188
14	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.	4.9	172
15	2-Mercaptobenzimidazole-inbuilt metal-organic-frameworks modified graphene oxide towards intelligent and excellent anti-corrosion coating. Corrosion Science, 2021, 191, 109715.	6.6	150
16	Designing and fabricating of single and double alkyl-chain indazole derivatives self-assembled monolayer for corrosion inhibition of copper. Corrosion Science, 2018, 140, 111-121.	6.6	141
17	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.	3.3	138
18	Synthesizing a novel fluorinated reduced graphene oxide-CeO2 hybrid nanofiller to achieve highly corrosion protection for waterborne epoxy coatings. Carbon, 2021, 176, 39-51.	10.3	128

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19	Investigation of the inhibition effect of Montelukast Sodium on the copper corrosion in 0.5 mol/L H2SO4. Journal of Molecular Liquids, 2017, 248, 902-910.	4.9	126
20	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.	5.3	125
21	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.	4.9	122
22	Ï€-Ï€ interaction between fluorinated reduced graphene oxide and acridizinium ionic liquid: Synthesis and anti-corrosion application. Carbon, 2020, 159, 292-302.	10.3	112
23	Excellent corrosion inhibition performance of novel quinoline derivatives on mild steel in HCl media: Experimental and computational investigations. Journal of Molecular Liquids, 2018, 255, 53-63.	4.9	109
24	Sodium dodecyl benzene sulfonate as a sustainable inhibitor for zinc corrosion in 26% NH 4 Cl solution. Journal of Cleaner Production, 2017, 152, 17-25.	9.3	107
25	The effect of 5-nitroindazole as an inhibitor for the corrosion of copper in a 3.0% NaCl solution. RSC Advances, 2015, 5, 63866-63873.	3.6	106
26	The synergistic corrosion inhibition study of different chain lengths ionic liquids as green inhibitors for X70 steel in acidic medium. Materials Chemistry and Physics, 2018, 215, 229-241.	4.0	106
27	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.	5.3	101
28	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.	5.8	89
29	Hydrothermal Synthesis of a New Kind of N-Doped Graphene Gel-like Hybrid As an Enhanced ORR Electrocatalyst. ACS Applied Materials & Interfaces, 2018, 10, 10842-10850.	8.0	87
30	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.	4.7	85
31	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.	4.9	82
32	Designing novel organic inhibitor loaded MgAl-LDHs nanocontainer for enhanced corrosion resistance. Chemical Engineering Journal, 2021, 408, 127367.	12.7	78
33	Experimental and molecular modeling studies of multi-active tetrazole derivative bearing sulfur linker for protecting steel from corrosion. Journal of Molecular Liquids, 2022, 351, 118638.	4.9	71
34	A green Brassica oleracea L extract as a novel corrosion inhibitor for Q235 steel in two typical acid media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 616, 126077.	4.7	70
35	Corrosion retardation effect of a green cauliflower extract on copper in H2SO4 solution: Electrochemical and theoretical explorations. Journal of Molecular Liquids, 2021, 321, 114450.	4.9	68
36	Flexible high-energy and stable rechargeable vanadium-zinc battery based on oxygen defect modulated V2O5 cathode. Nano Energy, 2021, 87, 106164.	16.0	64

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37	Investigation of Losartan Potassium as an eco-friendly corrosion inhibitor for copper in 0.5ÂM H2SO4. Journal of Molecular Liquids, 2020, 305, 112789.	4.9	51
38	Superhydrophobic and smart MgAl-LDH anti-corrosion coating on AZ31 Mg surface. Journal of Industrial and Engineering Chemistry, 2021, 103, 154-164.	5.8	50
39	Incorporation of electroconductive carbon fibers to achieve enhanced anti-corrosion performance of zinc rich coatings. Journal of Colloid and Interface Science, 2020, 567, 113-125.	9.4	45
40	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.	4.9	44
41	Experimental and Theoretical Investigation of Thiazolyl Blue as a Corrosion Inhibitor for Copper in Neutral Sodium Chloride Solution. Materials, 2018, 11, 1042.	2.9	43
42	Mn3O4/Co(OH)2 cactus-type nanoarrays for high-energy-density asymmetric supercapacitors. Journal of Materials Science, 2020, 55, 724-737.	3.7	39
43	Design of smart protective coatings with autonomous self-healing and early corrosion reporting properties. Corrosion Science, 2021, 184, 109355.	6.6	33
44	The effect of tricyclazole as a novel leveler for filling electroplated copper microvias. Journal of Electroanalytical Chemistry, 2018, 827, 151-159.	3.8	31
45	4,6-Dimethyl-2-mercaptopyrimidine as a potential leveler for microvia filling with electroplating copper. RSC Advances, 2017, 7, 40342-40353.	3.6	30
46	Cabbage extract as an eco-friendly corrosion inhibitor for X70 steel in hydrochloric acid medium. Journal of Molecular Liquids, 2022, 362, 119733.	4.9	29
47	Effective Protection for Copper Corrosion by Two Thiazole Derivatives in Neutral Chloride Media: Experimental and Computational Study. International Journal of Electrochemical Science, 0, , 3147-3163.	1.3	26
48	Experimental and computational investigations of 2-amino-6-bromobenzothiazole as a corrosion inhibitor for copper in sulfuric acid. Journal of Adhesion Science and Technology, 2018, 32, 2083-2098.	2.6	25
49	Excellent inhibition performance of low-toxicity Dibenzyldithiocarbamic Acid Zinc Salt self-assembled nano-film for copper corrosion in sulfuric acid. Journal of Molecular Liquids, 2018, 271, 959-969.	4.9	25
50	Synthesis of Macromolecular Aromatic Epoxy Resins as Anticorrosive Materials: Computational Modeling Reinforced Experimental Studies. ACS Omega, 2020, 5, 3151-3164.	3.5	23
51	Rational design of PDMS/paraffin infused surface with enhanced corrosion resistance and interface erosion mechanism. Materials and Design, 2022, 215, 110450.	7.0	23
52	Facile synthesis of Î±-Fe2O3 pyramid on reduced graphene oxide for supercapacitor and photo-degradation. Journal of Alloys and Compounds, 2018, 744, 412-420.	5.5	19
53	Phosphate ion functionalization of Co(OH)2 nanosheets by a simple immersion method. Journal of Alloys and Compounds, 2018, 768, 57-64.	5.5	19
54	The electron donating effect of novel pyrazolo-pyrimidine inhibitors on anticorrosion of Q235 steel in picking solution. Journal of Molecular Liquids, 2019, 286, 110893.	4.9	19

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55	Effects of 2,2-Dithiodipyridine as a Leveler for Through-Holes Filling by Copper Electroplating. Journal of the Electrochemical Society, 2019, 166, D660-D668.	2.9	18
56	Facile electrochemical phosphatization of Mn3O4 nanosheet arrays for supercapacitor with enhanced performance. Journal of Materials Science, 2019, 54, 625-637.	3.7	18
57	Improving the corrosion protection ability of epoxy coating using CaAl LDH intercalated with 2-mercaptobenzothiazole as a pigment on steel substrate. Progress in Organic Coatings, 2022, 165, 106765.	3.9	18
58	Self-assembly porous metal-free electrocatalysts templated from sulfur for efficient oxygen reduction reaction. Applied Surface Science, 2018, 462, 65-72.	6.1	16
59	Luffa cylindrica roem leaves extract as the environment-friendly inhibitor for copper in sulfuric acid environment. Journal of Molecular Liquids, 2021, 343, 117619.	4.9	13
60	Inhibitor loaded functional HNTs modified coatings towards corrosion protection in reinforced concrete environment. Progress in Organic Coatings, 2022, 170, 106971.	3.9	12
61	Halogeno-substituted indazoles against copper corrosion in industrial pickling process: a combined electrochemical, morphological and theoretical approach. RSC Advances, 2018, 8, 38860-38871.	3.6	11
62	Hierarchical MnO2 nanosheets synthesized via electrodeposition-hydrothermal method for supercapacitor electrodes. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	10
63	An intermittent microwave-exfoliated non-expansive graphite oxide process for highly-efficient production of high-quality graphene. Journal of Colloid and Interface Science, 2020, 565, 288-294.	9.4	9
64	Adsorption and inhibition behavior of 3-chloro-6-mercaptopyridazine towards copper corrosion in sulfuric acid. Journal of Molecular Liquids, 2022, 357, 119100.	4.9	8
65	Synergistic Effect of Purpald with Tartaric Acid on the Corrosion Inhibition of Mild Steel: from Electrochemical to Theoretical Insights. Protection of Metals and Physical Chemistry of Surfaces, 2018, 54, 917-925.	1.1	7
66	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.	5.5	7
67	Scalable modulation of reduced graphene oxide properties via regulating graphite oxide precursors. Journal of Alloys and Compounds, 2019, 782, 17-27.	5.5	7
68	5,5â€²-dithiobis-(2-nitrobenzoic acid) self-assembled monolayer for corrosion inhibition of copper in sodium chloride solution. Journal of Molecular Liquids, 2021, 343, 117535.	4.9	7
69	Improving interfacial adhesion between copper foil and resin using amino acid in printed circuit board industry. Journal of Adhesion Science and Technology, 2018, 32, 1452-1470.	2.6	6
70	Organocerium/Ce-Based Nanocomposites as Corrosion Inhibitors. ACS Symposium Series, 0, , 169-188.	0.5	2
71	Role of Ionic Liquids as Green and Ecological Corrosion Inhibitors. , 2019, , 1-6.		0
72	Acidizing corrosion inhibitors. , 2022, , 45-54.		0