

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 | Adsorption of Gardenia jasminoides fruits extract on the interface of Cu/H ₂ SO ₄ to inhibit Cu corrosion: Experimental and theoretical studies. <i>Journal of Molecular Liquids</i> , 2022, 345, 116996. | 2.3 | 24 |
| 2 | Coordination agent-dominated phase control of nickel sulfide for high-performance hybrid supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 45-52. | 5.0 | 19 |
| 3 | Peroxymonosulfate activation using a composite of copper and nickel oxide coated on SBA-15 for the removal of sulfonamide antibiotics. <i>Environmental Research</i> , 2022, 206, 112301. | 3.7 | 20 |
| 4 | Insight into the anti-corrosion performance of two food flavors as eco-friendly and ultra-high performance inhibitors for copper in sulfuric acid medium. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 838-851. | 5.0 | 100 |
| 5 | Adsorption and inhibition behavior of 3-chloro-6-mercaptopyridazine towards copper corrosion in sulfuric acid. <i>Journal of Molecular Liquids</i> , 2022, 357, 119100. | 2.3 | 8 |
| 6 | Penetration into the inhibition performance of two piperazine derivatives as high-efficiency inhibitors for copper in sulfuric acid environment. <i>Journal of Molecular Liquids</i> , 2022, 356, 119015. | 2.3 | 15 |
| 7 | Passiflora edulia Sims leaves Extract as renewable and degradable inhibitor for copper in sulfuric acid solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 645, 128892. | 2.3 | 85 |
| 8 | Regulating the structure and morphology of nickel sulfides for electrochemical energy storage: The role of solvent pH. <i>Chemical Engineering Journal</i> , 2022, 441, 136130. | 6.6 | 7 |
| 9 | Plant extracts as environmentally sustainable corrosion inhibitors I. , 2022, , 263-282. | | 1 |
| 10 | Combined electrochemical/surface and theoretical assessments of Rosa laevigata extract as an eco-friendly corrosion inhibitor for copper in acidic medium. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 136, 104408. | 2.7 | 23 |
| 11 | Controlled synthesis of a high-performance $\hat{\pm}$ -NiS/Ni ₃ S ₄ hybrid by a binary synergy of sulfur sources for supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 56-65. | 5.0 | 36 |
| 12 | Facile fabrication of core-shell structured Ni(OH) ₂ /Ni(PO ₃) ₂ composite via one-step electrodeposition for high performance asymmetric supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 243-254. | 5.0 | 44 |
| 13 | Insight into anti-corrosion mechanism of tetrazole derivatives for X80 steel in 0.5ÅM H ₂ SO ₄ medium: Combined experimental and theoretical researches. <i>Journal of Molecular Liquids</i> , 2021, 321, 114464. | 2.3 | 44 |
| 14 | Banana leaves water extracts as inhibitor for X70 steel corrosion in HCl medium. <i>Journal of Molecular Liquids</i> , 2021, 327, 114828. | 2.3 | 52 |
| 15 | Insight into anti-corrosion nature of Betel leaves water extracts as the novel and eco-friendly inhibitors. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 287-301. | 5.0 | 190 |
| 16 | Research of Liliun brownii leaves extract as a commendable and green inhibitor for X70 steel corrosion in hydrochloric acid. <i>Journal of Molecular Liquids</i> , 2021, 321, 114914. | 2.3 | 122 |
| 17 | 5-Mercapto-1-phenyltetrazole as a high-efficiency corrosion inhibitor for Q235 steel in acidic environment. <i>Journal of Molecular Liquids</i> , 2021, 325, 115132. | 2.3 | 32 |
| 18 | Template-free synthesis of $\hat{2}$ -NiS ball-in-ball microspheres for a high-performance asymmetrical supercapacitor. <i>Dalton Transactions</i> , 2021, 50, 11512-11520. | 1.6 | 5 |

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|----|---|-----|-----------|
| 19 | Investigating the inhibitive effect of <i>Davidia involucrata</i> leaf extract as a biological eco-friendly inhibitor for copper in acidic medium. <i>Journal of Molecular Liquids</i> , 2021, 325, 115214. | 2.3 | 50 |
| 20 | Combining experimental and theoretical researches to insight into the anti-corrosion property of <i>Morinda citrifolia</i> Linn leaves extracts. <i>Journal of Molecular Liquids</i> , 2021, 325, 115145. | 2.3 | 25 |
| 21 | Combining experiment and theory researches to insight into anti-corrosion nature of a novel thiazole derivatives. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 122, 190-200. | 2.7 | 14 |
| 22 | A research combined theory with experiment of 2-Amino-6-(Methylsulfonyl)Benzothiazole as an excellent corrosion inhibitor for copper in H ₂ SO ₄ medium. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 128, 417-429. | 2.7 | 14 |
| 23 | Strengthened adsorption and corrosion inhibition of new single imidazole-type ionic liquid molecules to copper surface in sulfuric acid solution by molecular aggregation. <i>Journal of Molecular Liquids</i> , 2021, 338, 116675. | 2.3 | 12 |
| 24 | Study on corrosion inhibition performance of 1-dodecyl-3-methyl-1 \AA -imidazolium nitrate on Cu in the sulfuric acid environment. <i>Journal of Molecular Liquids</i> , 2021, 340, 117189. | 2.3 | 9 |
| 25 | Insight into the corrosion inhibition property of <i>Artocarpus heterophyllus</i> Lam leaves extract. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 102, 260-270. | 2.9 | 18 |
| 26 | A universal H ₂ O ₂ -induced phase transformation of nickel sulfide towards sulfur-rich component. <i>Applied Surface Science</i> , 2021, 565, 150557. | 3.1 | 3 |
| 27 | A new pyridazine derivative synthesized as an efficient corrosion inhibitor for copper in sulfuric acid medium: Experimental and theoretical calculation studies. <i>Journal of Molecular Liquids</i> , 2021, 341, 117370. | 2.3 | 39 |
| 28 | New small gemini ionic liquids for intensifying adsorption and corrosion resistance of copper surface in sulfuric acid solution. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106679. | 3.3 | 15 |
| 29 | Mn ₃ O ₄ /Co(OH) ₂ cactus-type nanoarrays for high-energy-density asymmetric supercapacitors. <i>Journal of Materials Science</i> , 2020, 55, 724-737. | 1.7 | 39 |
| 30 | Graphene oxide-drove transformation of NiS/Ni ₃ S ₄ microbars towards Ni ₃ S ₄ polyhedrons for supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 115-123. | 5.0 | 67 |
| 31 | Investigation of imidazole derivatives as corrosion inhibitors of copper in sulfuric acid: Combination of experimental and theoretical researches. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 106, 118-129. | 2.7 | 101 |
| 32 | Experimental and theoretical studies on the inhibition properties of three diphenyl disulfide derivatives on copper corrosion in acid medium. <i>Journal of Molecular Liquids</i> , 2020, 298, 111975. | 2.3 | 172 |
| 33 | Evaluation of <i>Idesia polycarpa</i> Maxim fruits extract as a natural green corrosion inhibitor for copper in 0.5 \AA sulfuric acid solution. <i>Journal of Molecular Liquids</i> , 2020, 318, 114080. | 2.3 | 49 |
| 34 | Eco-friendly food spice 2-Furfurylthio-3-methylpyrazine as an excellent inhibitor for copper corrosion in sulfuric acid medium. <i>Journal of Molecular Liquids</i> , 2020, 317, 113915. | 2.3 | 40 |
| 35 | Insight into the anti-corrosion mechanism of 2-aminobenzenethiol as the inhibitor for copper in acid environment. <i>Journal of Molecular Liquids</i> , 2020, 320, 114494. | 2.3 | 17 |
| 36 | <i>Magnolia grandiflora</i> leaves extract as a novel environmentally friendly inhibitor for Q235 steel corrosion in 1 \AA HCl: Combining experimental and theoretical researches. <i>Journal of Molecular Liquids</i> , 2020, 311, 113312. | 2.3 | 89 |

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|----|---|-----|-----------|
| 37 | Camphor leaves extract as a neoteric and environment friendly inhibitor for Q235 steel in HCl medium: Combining experimental and theoretical researches. <i>Journal of Molecular Liquids</i> , 2020, 312, 113433. | 2.3 | 47 |
| 38 | Ultrathin nickel manganese nanosheets with rich oxygen-vacancy as a durability electrode for aqueous Ni//Zn batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 677-684. | 5.0 | 23 |
| 39 | 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 H ₂ SO ₄ medium. <i>Journal of Molecular Liquids</i> , 2020, 314, 113630. | 2.3 | 28 |
| 40 | Self-assembly of new O- and S-heterocycle-based protective layers for copper in acid solution. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 4592-4601. | 1.3 | 13 |
| 41 | Construction of three-dimensional ordered structure of crystalline bismuth for long life aqueous nickel-bismuth batteries. <i>Applied Surface Science</i> , 2020, 515, 145977. | 3.1 | 12 |
| 42 | Sulfur source-inspired synthesis of $\hat{1}^2$ -NiS with high specific capacity and tunable morphologies for hybrid supercapacitor. <i>Electrochimica Acta</i> , 2020, 337, 135826. | 2.6 | 28 |
| 43 | Investigation of Losartan Potassium as an eco-friendly corrosion inhibitor for copper in 0.5 M H ₂ SO ₄ . <i>Journal of Molecular Liquids</i> , 2020, 305, 112789. | 2.3 | 51 |
| 44 | Locust Bean Gum as a green and novel corrosion inhibitor for Q235 steel in 0.5 M H ₂ SO ₄ medium. <i>Journal of Molecular Liquids</i> , 2020, 310, 113239. | 2.3 | 111 |
| 45 | Insights into the inhibition mechanism of three 5-phenyltetrazole derivatives for copper corrosion in sulfuric acid medium via experimental and DFT methods. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 102, 424-437. | 2.7 | 125 |
| 46 | Insight into the corrosion inhibition of copper in sulfuric acid via two environmentally friendly food spices: Combining experimental and theoretical methods. <i>Journal of Molecular Liquids</i> , 2019, 286, 110891. | 2.3 | 82 |
| 47 | Experimental and theoretical studies on inhibition performance of Cu corrosion in 0.5 M H ₂ SO ₄ by three disulfide derivatives. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 77, 449-460. | 2.9 | 89 |
| 48 | Fabrication of ultra-closely graphene-wrapped Ni foam substrate for supercapacitor electrode by flame induction and electrostatic interaction. <i>Journal of Alloys and Compounds</i> , 2019, 791, 423-430. | 2.8 | 7 |
| 49 | Facile electrochemical phosphatization of Mn ₃ O ₄ nanosheet arrays for supercapacitor with enhanced performance. <i>Journal of Materials Science</i> , 2019, 54, 625-637. | 1.7 | 18 |
| 50 | 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. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 519-529. | 5.0 | 215 |
| 51 | Halogeno-substituted indazoles against copper corrosion in industrial pickling process: a combined electrochemical, morphological and theoretical approach. <i>RSC Advances</i> , 2018, 8, 38860-38871. | 1.7 | 11 |
| 52 | Free-standing, layered graphene monoliths for long-life supercapacitor. <i>Chemical Engineering Journal</i> , 2018, 350, 386-394. | 6.6 | 67 |
| 53 | Experimental and theoretical investigations of some pyrazolo-pyrimidine derivatives as corrosion inhibitors on copper in sulfuric acid solution. <i>Applied Surface Science</i> , 2018, 459, 612-620. | 3.1 | 115 |
| 54 | Phosphate ion functionalization of Co(OH) ₂ nanosheets by a simple immersion method. <i>Journal of Alloys and Compounds</i> , 2018, 768, 57-64. | 2.8 | 19 |

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|----|---|-----|-----------|
| 55 | Hierarchical MnO ₂ nanosheets synthesized via electrodeposition-hydrothermal method for supercapacitor electrodes. Applied Physics A: Materials Science and Processing, 2017, 123, 1. | 1.1 | 10 |
| 56 | A novel 2-D heterometallic polymer containing two types of 1-D cuprous polymeric chains and circle [V ₄ O ₁₂] ⁴⁻ clusters. Journal of Alloys and Compounds, 2017, 713, 46-50. | 2.8 | 3 |
| 57 | 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 |
| 58 | 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 |
| 59 | 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 |
| 60 | 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 |
| 61 | 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 |
| 62 | 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 |
| 63 | Experimental and Theoretical Study on the Corrosion Inhibition of Mild Steel by 1-Octyl-3-methylimidazolium Proinate in Sulfuric Acid Solution. Industrial & Engineering Chemistry Research, 2014, 53, 16349-16358. | 1.8 | 80 |
| 64 | Thermodynamics, core-level spectroscopy, morphology, and work function study of different TiCl ₃ crystalline phases: A theoretical approach. Journal of Alloys and Compounds, 2014, 602, 66-71. | 2.8 | 6 |
| 65 | 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 |
| 66 | In situ ellipsometric study of electrodeposition of manganese films on copper. Applied Surface Science, 2011, 257, 3275-3280. | 3.1 | 19 |