

Qing Qu

List of Publications by Year in descending order

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44
papers

1,808
citations

279701

23
h-index

265120

42
g-index

45
all docs

45
docs citations

45
times ranked

1827
citing authors

#	ARTICLE	IF	CITATIONS
1	Molybdate and tungstate as corrosion inhibitors for cold rolling steel in hydrochloric acid solution. <i>Corrosion Science</i> , 2006, 48, 445-459.	3.0	226
2	Effect of ethylenediamine tetraacetic acid disodium on the corrosion of cold rolled steel in the presence of benzotriazole in hydrochloric acid. <i>Electrochimica Acta</i> , 2007, 52, 6811-6820.	2.6	151
3	Effects of NaCl and SO ₂ on the initial atmospheric corrosion of zinc. <i>Corrosion Science</i> , 2002, 44, 2789-2803.	3.0	126
4	Synthesis and evaluation of Tris-hydroxymethyl-(2-hydroxybenzylidenamino)-methane as a corrosion inhibitor for cold rolled steel in hydrochloric acid. <i>Corrosion Science</i> , 2009, 51, 569-574.	3.0	85
5	Corrosion behaviour of AZ31B magnesium alloy in NaCl solutions saturated with CO ₂ . <i>Corrosion Science</i> , 2011, 53, 1186-1193.	3.0	72
6	Water-soluble pillar[6]arene functionalized nitrogen-doped carbon quantum dots with excellent supramolecular recognition capability and superior electrochemical sensing performance towards TNT. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 362-371.	4.0	72
7	Effects of NaCl and NH ₄ Cl on the initial atmospheric corrosion of zinc. <i>Corrosion Science</i> , 2005, 47, 2832-2840.	3.0	71
8	Corrosion behavior of cold rolled steel in artificial seawater in the presence of <i>Bacillus subtilis</i> C2. <i>Corrosion Science</i> , 2015, 91, 321-329.	3.0	71
9	Sodium tungstate as a corrosion inhibitor of cold rolled steel in peracetic acid solution. <i>Corrosion Science</i> , 2009, 51, 2423-2428.	3.0	64
10	Adsorption and corrosion behaviour of <i>Trichoderma harzianum</i> for AZ31B magnesium alloy in artificial seawater. <i>Corrosion Science</i> , 2017, 118, 12-23.	3.0	59
11	Sodium diethyldithiocarbamate as a corrosion inhibitor of cold rolled steel in 0.5M hydrochloric acid solution. <i>Corrosion Science</i> , 2012, 59, 249-257.	3.0	57
12	<i>Bacillus cereus</i> s-EPS as a dual bio-functional corrosion and scale inhibitor in artificial seawater. <i>Water Research</i> , 2019, 166, 115094.	5.3	57
13	The effect of 1-(2-pyridylazo)-2-naphthol on the corrosion of cold rolled steel in acid media. <i>Materials Chemistry and Physics</i> , 2005, 94, 353-359.	2.0	50
14	Effect of the fungus, <i>Aspergillus niger</i> , on the corrosion behaviour of AZ31B magnesium alloy in artificial seawater. <i>Corrosion Science</i> , 2015, 98, 249-259.	3.0	47
15	Extracellular electron transfer of <i>Bacillus cereus</i> biofilm and its effect on the corrosion behaviour of 316L stainless steel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 139-147.	2.5	46
16	Corrosion Behavior of Titanium in Artificial Saliva by Lactic Acid. <i>Materials</i> , 2014, 7, 5528-5542.	1.3	44
17	Corrosion behavior of cold rolled steel in peracetic acid solutions. <i>Corrosion Science</i> , 2008, 50, 35-40.	3.0	39
18	Induction of Chlamydospore Formation in <i>Fusarium</i> by Cyclic Lipopeptide Antibiotics from <i>Bacillus subtilis</i> C2. <i>Journal of Chemical Ecology</i> , 2012, 38, 966-974.	0.9	37

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19	Facile and clean synthesis of dihydroxylatopillar[5]arene-stabilized gold nanoparticles integrated Pd/MnO ₂ nanocomposites for robust and ultrasensitive detection of cardiac troponin I. <i>Biosensors and Bioelectronics</i> , 2019, 130, 214-224.	5.3	36
20	One-Step Synthesis of Novel Photoluminescent Nitrogen-Rich Carbon Nanodots from Allylamine for Highly Sensitive and Selective Fluorescence Detection of Trinitrophenol and Fluorescent Ink. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11716-11723.	3.2	35
21	Effect of sodium molybdate on the corrosion behavior of cold rolled steel in peracetic acid solution. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 569-576.	1.5	32
22	Ultrasensitive Electrochemical Detection of <i>Clostridium perfringens</i> DNA Based Morphology-Dependent DNA Adsorption Properties of CeO ₂ Nanorods in Dairy Products. <i>Sensors</i> , 2018, 18, 1878.	2.1	30
23	Nitrogen doped carbon quantum dots as one dual function sensing platform for electrochemical and fluorescent detecting ascorbic acid. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	26
24	A robust host-guest interaction controlled probe immobilization strategy for the ultrasensitive detection of HBV DNA using hollow HP5@Au/CoS nanobox as biosensing platform. <i>Biosensors and Bioelectronics</i> , 2020, 153, 112051.	5.3	24
25	The synergistic inhibition effect of rare earth cerium(IV) ion and iso-vanillin on the corrosion of cold rolled steel in 1.0M H ₂ SO ₄ solution. <i>Materials Letters</i> , 2007, 61, 2514-2517.	1.3	23
26	Compounds inhibitory to nematophagous fungi produced by <i>Bacillus</i> sp. strain H6 isolated from fungistatic soil. <i>European Journal of Plant Pathology</i> , 2007, 117, 329-340.	0.8	23
27	Initial atmospheric corrosion of zinc in presence of Na ₂ SO ₄ and (NH ₄) ₂ SO ₄ . <i>Transactions of Nonferrous Metals Society of China</i> , 2006, 16, 887-891.	1.7	20
28	Induction of trap formation in nematode-trapping fungi by a bacterium. <i>FEMS Microbiology Letters</i> , 2011, 322, 157-165.	0.7	20
29	Ultrasensitive and robust electrochemical sensing platform for the detection of squamous cell carcinoma antigen using water-soluble pillar [5]arene-Pd/MoS ₂ nanocomposites. <i>Electrochimica Acta</i> , 2019, 313, 235-244.	2.6	19
30	A sustainable way to reuse Cr(VI) into an efficient biological nanometer electrocatalyst by <i>Bacillus megaterium</i> . <i>Journal of Hazardous Materials</i> , 2021, 409, 124942.	6.5	17
31	Nematode-trapping fungi and fungus-associated bacteria interactions: the role of bacterial diketopiperazines and biofilms on <i>Arthrotrichy oligospora</i> surface in hyphal morphogenesis. <i>Environmental Microbiology</i> , 2016, 18, 3827-3839.	1.8	16
32	Synthesis of well-dispersive 2.0nm Pd@Pt bimetallic nanoclusters supported on β -cyclodextrin functionalized graphene with excellent electrocatalytic activity. <i>RSC Advances</i> , 2017, 7, 1947-1955.	1.7	16
33	Electrochemical DNA Biosensor Based on Magnetite/Multiwalled Carbon Nanotubes/Chitosan Nanocomposite for <i>Bacillus Cereus</i> Detection of Potential Marker for Gold Prospecting. <i>Electroanalysis</i> , 2018, 30, 910-920.	1.5	15
34	ZIF-8@s-EPS as a novel hydrophilic multifunctional biomaterial for efficient scale inhibition, antibacterial and antifouling in water treatment. <i>Science of the Total Environment</i> , 2021, 773, 145706.	3.9	15
35	<i>Streptococcus Sanguis</i> Biofilm Architecture and Its Influence on Titanium Corrosion in Enriched Artificial Saliva. <i>Materials</i> , 2017, 10, 255.	1.3	11
36	Graphene oxide decorated bimetal (MnNi) oxide nanoflakes used as an electrocatalyst for enhanced oxygen evolution reaction in alkaline media. <i>Arabian Journal of Chemistry</i> , 2020, 13, 4553-4563.	2.3	11

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37	Highly-effective palladium nanoclusters supported on <i>para</i> -sulfonated calix[8]arene-functionalized carbon nanohorns for ethylene glycol and glycerol oxidation reactions. <i>New Journal of Chemistry</i> , 2018, 42, 4631-4638.	1.4	10
38	Synthesis and facile structure-adjusting of Pd@Pt nanocrystal electrocatalysts with improved activity for ethanol oxidation reaction. <i>New Journal of Chemistry</i> , 2019, 43, 17954-17962.	1.4	7
39	Ultrasmall Pd and PtPd nanoparticles for highly efficient catalysis directed by predesigned Morchella-inspired encapsulation. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 368-375.	5.0	6
40	A stable Au@N bond controlled probe immobilization approach for the sensitive detection of kirsten rat sarcoma viral oncogene DNA using NH ₂ -HMS@Au. <i>Journal of Materials Science</i> , 2022, 57, 10328-10342.	1.7	6
41	Hybrid transition metal (V, Fe, and Co) oxide/sulfide catalysts for highly efficient overall water splitting. <i>New Journal of Chemistry</i> , 2022, 46, 3555-3559.	1.4	5
42	Bacterial-driven upcycling spent Ag into high-performance catalyst for toxic organics reduction. <i>Chemosphere</i> , 2022, 305, 135421.	4.2	5
43	Temporary Inhibition of the Corrosion of AZ31B Magnesium Alloy by Formation of <i>Bacillus subtilis</i> Biofilm in Artificial Seawater. <i>Materials</i> , 2019, 12, 523.	1.3	4
44	Facile and clean separation of Pb(II) from soil and recycling by pH-triggered microbial technology. <i>Chemical Engineering Journal</i> , 2021, 424, 130394.	6.6	2