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	Hybrid transition metal (V, Fe, and Co) oxide/sulfide catalysts for highly efficient overall water splitting. New Journal of Chemistry, 2022, 46, 3555-3559.	1.4	5
2	A stable Auâ€“N bond controlled probe immobilization approach for the sensitive detection of kirsten rat sarcoma viral oncogene DNA using NH2-HMS@Au. Journal of Materials Science, 2022, 57, 10328-10342.	1.7	6
3	Bacterial-driven upcycling spent Ag into high-performance catalyst for toxic organics reduction. Chemosphere, 2022, 305, 135421.	4.2	5
4	Ultrasmall Pd and PtPd nanoparticles for highly efficient catalysis directed by predesigned Morchella-inspired encapsulation. Journal of Colloid and Interface Science, 2021, 585, 368-375.	5.0	6
5	A sustainable way to reuse Cr(VI) into an efficient biological nanometer electrocatalyst by Bacillus megaterium. Journal of Hazardous Materials, 2021, 409, 124942.	6.5	17
6	ZIF-8@s-EPS as a novel hydrophilic multifunctional biomaterial for efficient scale inhibition, antibacterial and antifouling in water treatment. Science of the Total Environment, 2021, 773, 145706.	3.9	15
7	Facile and clean separation of Pb(II) from soil and recycling by pH-triggered microbial technology. Chemical Engineering Journal, 2021, 424, 130394.	6.6	2
8	Graphene oxide decorated bimetal (MnNi) oxide nanoflakes used as an electrocatalyst for enhanced oxygen evolution reaction in alkaline media. Arabian Journal of Chemistry, 2020, 13, 4553-4563.	2.3	11
9	Nitrogen dozen carbon quantum dots as one dual function sensing platform for electrochemical and fluorescent detecting ascorbic acid. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	26
10	A robust host-guest interaction controlled probe immobilization strategy for the ultrasensitive detection of HBV DNA using hollow HP5â€“Au/CoS nanobox as biosensing platform. Biosensors and Bioelectronics, 2020, 153, 112051.	5.3	24
11	Bacillus cereus s-EPS as a dual bio-functional corrosion and scale inhibitor in artificial seawater. Water Research, 2019, 166, 115094.	5.3	57
12	Facile and clean synthesis of dihydroxylatopillar[5]arene-stabilized gold nanoparticles integrated Pd/MnO2 nanocomposites for robust and ultrasensitive detection of cardiac troponin I. Biosensors and Bioelectronics, 2019, 130, 214-224.	5.3	36
13	Ultrasensitive and robust electrochemical sensing platform for the detection of squamous cell carcinoma antigen using water-soluble pillar [5]arene-Pd/MoS2 nanocomposites. Electrochimica Acta, 2019, 313, 235-244.	2.6	19
14	Temporary Inhibition of the Corrosion of AZ31B Magnesium Alloy by Formation of Bacillus subtilis Biofilm in Artificial Seawater. Materials, 2019, 12, 523.	1.3	4
15	Synthesis and facile structure-adjusting of Pdâ€“Pt nanocrystal electrocatalysts with improved activity for ethanol oxidation reaction. New Journal of Chemistry, 2019, 43, 17954-17962.	1.4	7
16	Extracellular electron transfer of Bacillus cereus biofilm and its effect on the corrosion behaviour of 316L stainless steel. Colloids and Surfaces B: Biointerfaces, 2019, 173, 139-147.	2.5	46
17	Highly-effective palladium nanoclusters supported on para-sulfonated calix[8]arene-functionalized carbon nanohorns for ethylene glycol and glycerol oxidation reactions. New Journal of Chemistry, 2018, 42, 4631-4638.	1.4	10
18	Electrochemical DNA Biosensor Based on Magnetite/Multiwalled Carbon Nanotubes/Chitosan Nanocomposite for Bacillus Cereus Detection of Potential Marker for Gold Prospecting. Electroanalysis, 2018, 30, 910-920.	1.5	15

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19	Water-soluble pillar[6]arene functionalized nitrogen-doped carbon quantum dots with excellent supramolecular recognition capability and superior electrochemical sensing performance towards TNT. Sensors and Actuators B: Chemical, 2018, 257, 362-371.	4.0	72
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. ACS Sustainable Chemistry and Engineering, 2018, 6, 11716-11723.	3.2	35
21	Ultrasensitive Electrochemical Detection of Clostridium perfringens DNA Based Morphology-Dependent DNA Adsorption Properties of CeO2 Nanorods in Dairy Products. Sensors, 2018, 18, 1878.	2.1	30
22	Adsorption and corrosion behaviour of Trichoderma harzianum for AZ31B magnesium alloy in artificial seawater. Corrosion Science, 2017, 118, 12-23.	3.0	59
23	Synthesis of well-dispersive 2.0Ânm Pdâ€“Pt bimetallic nanoclusters supported on Î²-cyclodextrin functionalized graphene with excellent electrocatalytic activity. RSC Advances, 2017, 7, 1947-1955.	1.7	16
24	Streptococcus Sanguis Biofilm Architecture and Its Influence on Titanium Corrosion in Enriched Artificial Saliva. Materials, 2017, 10, 255.	1.3	11
25	Nematodeâ€trapping fungi and fungusâ€associated bacteria interactions: the role of bacterial diketopiperazines and biofilms on Arthrobotrys oligospora surface in hyphal morphogenesis. Environmental Microbiology, 2016, 18, 3827-3839.	1.8	16
26	Effect of the fungus, Aspergillus niger , on the corrosion behaviour of AZ31B magnesium alloy in artificial seawater. Corrosion Science, 2015, 98, 249-259.	3.0	47
27	Corrosion behavior of cold rolled steel in artificial seawater in the presence of Bacillus subtilis C2. Corrosion Science, 2015, 91, 321-329.	3.0	71
28	Corrosion Behavior of Titanium in Artificial Saliva by Lactic Acid. Materials, 2014, 7, 5528-5542.	1.3	44
29	Induction of Chlamydospore Formation in Fusarium by Cyclic Lipopeptide Antibiotics from Bacillus subtilis C2. Journal of Chemical Ecology, 2012, 38, 966-974.	0.9	37
30	Sodium diethyldithiocarbamate as a corrosion inhibitor of cold rolled steel in 0.5M hydrochloric acid solution. Corrosion Science, 2012, 59, 249-257.	3.0	57
31	Corrosion behaviour of AZ31B magnesium alloy in NaCl solutions saturated with CO2. Corrosion Science, 2011, 53, 1186-1193.	3.0	72
32	Induction of trap formation in nematode-trapping fungi by a bacterium. FEMS Microbiology Letters, 2011, 322, 157-165.	0.7	20
33	Effect of sodium molybdate on the corrosion behavior of cold rolled steel in peracetic acid solution. Journal of Applied Electrochemistry, 2009, 39, 569-576.	1.5	32
34	Synthesis and evaluation of Tris-hydroxymethyl-(2-hydroxybenzylidenamino)-methane as a corrosion inhibitor for cold rolled steel in hydrochloric acid. Corrosion Science, 2009, 51, 569-574.	3.0	85
35	Sodium tungstate as a corrosion inhibitor of cold rolled steel in peracetic acid solution. Corrosion Science, 2009, 51, 2423-2428.	3.0	64
36	Corrosion behavior of cold rolled steel in peracetic acid solutions. Corrosion Science, 2008, 50, 35-40.	3.0	39

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37	Effect of ethylenediamine tetraacetic acid disodium on the corrosion of cold rolled steel in the presence of benzotriazole in hydrochloric acid. Electrochimica Acta, 2007, 52, 6811-6820.	2.6	151
38	The synergistic inhibition effect of rare earth cerium(IV) ion and iso-vanillin on the corrosion of cold rolled steel in 1.0ÂM H2SO4 solution. Materials Letters, 2007, 61, 2514-2517.	1.3	23
39	Compounds inhibitory to nematophagous fungi produced by Bacillus sp. strain H6 isolated from fungistatic soil. European Journal of Plant Pathology, 2007, 117, 329-340.	0.8	23
40	Initial atmospheric corrosion of zinc in presence of Na2SO4 and (NH4)2SO4. Transactions of Nonferrous Metals Society of China, 2006, 16, 887-891.	1.7	20
41	Molybdate and tungstate as corrosion inhibitors for cold rolling steel in hydrochloric acid solution. Corrosion Science, 2006, 48, 445-459.	3.0	226
42	The effect of 1-(2-pyridylazo)-2-naphthol on the corrosion of cold rolled steel in acid media. Materials Chemistry and Physics, 2005, 94, 353-359.	2.0	50
43	Effects of NaCl and NH4Cl on the initial atmospheric corrosion of zinc. Corrosion Science, 2005, 47, 2832-2840.	3.0	71
44	Effects of NaCl and SO2 on the initial atmospheric corrosion of zinc. Corrosion Science, 2002, 44, 2789-2803.	3.0	126