

Qiang Zeng

List of Publications by Year in descending order

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58
papers

1,692
citations

279778

23
h-index

302107

39
g-index

58
all docs

58
docs citations

58
times ranked

2425
citing authors

#	ARTICLE	IF	CITATIONS
1	Radical and (photo)electron transfer induced mechanisms for lignin photo- and electro-catalytic depolymerization. <i>Green Energy and Environment</i> , 2023, 8, 383-405.	8.7	24
2	Studies on the Morphology Effect on Catalytic Ability of a Single MnO ₂ Catalyst Particle with a Solid Nanopipette. <i>ACS Sensors</i> , 2022, 7, 338-344.	7.8	5
3	Efficient Near-Infrared Light-Responsive Imprinted Polymers as Pipette Tip Microsolid Phase Extraction Sorbent for Extraction and Determination of Dibutyl Phthalate in Plastics. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 353-362.	6.7	4
4	Sensitive Detection of 8-Hydroxyquinoline in Cosmetics by Using a Poly(tannic acid)-Modified Glassy Carbon Electrode. <i>ChemistrySelect</i> , 2022, 7, .	1.5	0
5	Dynamic rotation featured translocations of human serum albumin with a conical glass nanopore. <i>Journal of Electroanalytical Chemistry</i> , 2022, 917, 116397.	3.8	1
6	Oxidation of organosolv lignin in a novel surfactant-free microemulsion reactor. <i>Bioresource Technology</i> , 2021, 321, 124466.	9.6	9
7	Electrochemical Polymerization Induced Chirality Fixation of Crystalline Pillararene-Based Polymer and Its Application in Interfacial Chiral Sensing. <i>Analytical Chemistry</i> , 2021, 93, 9965-9969.	6.5	9
8	Production of 4-Ethylphenol from Lignin Depolymerization in a Novel Surfactant-Free Microemulsion Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 17897-17906.	3.7	1
9	Fast and selective detection of mercury ions in environmental water by paper-based fluorescent sensor using boronic acid functionalized MoS ₂ quantum dots. <i>Journal of Hazardous Materials</i> , 2020, 381, 120969.	12.4	88
10	An Impedance Molecularly Imprinted Sensor for the Detection of Bovine Serum Albumin (BSA) Using the Dynamic Electrochemical Impedance Spectroscopy. <i>Electroanalysis</i> , 2020, 32, 923-930.	2.9	14
11	Selective aerobic oxidative cleavage of lignin C-C bonds over novel hierarchical Ce-Cu/MFI nanosheets. <i>Applied Catalysis B: Environmental</i> , 2020, 279, 119343.	20.2	49
12	A Fourier Transform-Induced Data Process for Label-Free Selective Nanopore Analysis under Sinusoidal Voltage Excitations. <i>Analytical Chemistry</i> , 2020, 92, 11635-11643.	6.5	9
13	Production of Methyl <i>p</i> -Hydroxycinnamate by Selective Tailoring of Herbaceous Lignin Using Metal-Based Deep Eutectic Solvents (DES) as Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17328-17337.	3.7	16
14	Preparation of Gas-Responsive Imprinting Hydrogel and Their Gas-Driven Switchable Affinity for Target Protein Recognition. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24363-24369.	8.0	26
15	Electrochemical oxidation mechanisms for selective products due to C=O and C=C cleavages of β -O-4 linkages in lignin model compounds. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11508-11518.	2.8	21
16	An Electropolymerized Molecularly Imprinted Electrochemical Sensor for the Selective Determination of Bisphenol A Diglycidyl Ether. <i>ChemistrySelect</i> , 2020, 5, 3574-3580.	1.5	5
17	Experimental and finite element method studies for femtomolar cobalt ion detection using a DHI modified nanochannel. <i>Analyst</i> , 2019, 144, 6118-6127.	3.5	12
18	Theoretical Insights Into the Depolymerization Mechanism of Lignin to Methyl <i>p</i> -hydroxycinnamate by [Bmim][FeCl ₄] Ionic Liquid. <i>Frontiers in Chemistry</i> , 2019, 7, 446.	3.6	14

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19	Annealing Strategies for the Improvement of Low-Temperature NH ₃ -Selective Catalytic Reduction Activity of CrMnO _x Catalysts. ACS Omega, 2019, 4, 8681-8692.	3.5	8
20	Boronic acid-functionalized molybdenum disulfide quantum dots for the ultrasensitive analysis of dopamine based on synergistic quenching effects from IFE and aggregation. Journal of Materials Chemistry B, 2019, 7, 2799-2807.	5.8	26
21	Near-infrared light-responsive electrochemical protein imprinting biosensor based on a shape memory conducting hydrogel. Biosensors and Bioelectronics, 2019, 131, 156-162.	10.1	60
22	Rethinking Co(CO) ₃ ·0.5(OH)·0.11H ₂ O: a new property for highly selective electrochemical reduction of carbon dioxide to methanol in aqueous solution. Green Chemistry, 2018, 20, 2967-2972.	9.0	55
23	Variations in Surface Morphologies, Properties, and Electrochemical Responses to Nitro-Analyte by Controlled Electropolymerization of Thiophene Derivatives. ACS Applied Materials & Interfaces, 2018, 10, 11319-11327.	8.0	70
24	Self-cleaned electrochemical protein imprinting biosensor basing on a thermo-responsive memory hydrogel. Biosensors and Bioelectronics, 2018, 99, 136-141.	10.1	67
25	Polyfurfural-Electrochemically Reduced Graphene Oxide Modified Glassy Carbon Electrode for the Direct Determination of Nitrofurazone. Analytical Letters, 2018, 51, 728-741.	1.8	25
26	A Highly Sensitive Determination of Parathion Pesticide by Solid-Phase Extraction on a Silicon Carbide Nanoparticles Modified Electrode. ChemistrySelect, 2018, 3, 11510-11516.	1.5	3
27	Label-Free Simultaneous Analysis of Fe(III) and Ascorbic Acid Using Fluorescence Switching of Ultrathin Graphitic Carbon Nitride Nanosheets. ACS Applied Materials & Interfaces, 2018, 10, 26118-26127.	8.0	95
28	An electro-responsive imprinted biosensor with switchable affinity toward proteins. Chemical Communications, 2018, 54, 9163-9166.	4.1	16
29	Selective catalytic tailoring of the H unit in herbaceous lignin for methyl p-hydroxycinnamate production over metal-based ionic liquids. Green Chemistry, 2018, 20, 3743-3752.	9.0	50
30	Hybrid MoS ₂ Nanowires as Highly Efficient Catalysts for Direct Dehydrogenation of Isobutane. ACS Applied Materials & Interfaces, 2018, 10, 23112-23121.	8.0	14
31	MIPs-graphene nanoplatelets-MWCNTs modified glassy carbon electrode for the determination of cardiac troponin I. Analytical Biochemistry, 2017, 520, 9-15.	2.4	41
32	High sensitivity chlorogenic acid detection based on multiple layer-by-layer self-assembly films of chitosan and multi-walled carbon nanotubes on a glassy carbon electrode. RSC Advances, 2017, 7, 6950-6956.	3.6	23
33	A highly sensitive metronidazole sensor based on a Pt nanospheres/polyfurfural film modified electrode. RSC Advances, 2017, 7, 535-542.	3.6	45
34	Sandwich and half-sandwich metal complexes derived from cross-conjugated 3-methylene-penta-1,4-diyne. Dalton Transactions, 2017, 46, 5522-5531.	3.3	13
35	Ultrasensitive Determination of Human Chorionic Gonadotropin using a Molecularly Imprinted Electrochemical Sensor. ChemistrySelect, 2017, 2, 6549-6555.	1.5	11
36	Nanosized Difunctional Photo Responsive Magnetic Imprinting Polymer for Electrochemically Monitored Light-Driven Paracetamol Extraction. ACS Applied Materials & Interfaces, 2017, 9, 44114-44123.	8.0	39

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37	Application of Coal in Electrochemical Sensing. <i>Analytical Chemistry</i> , 2017, 89, 8358-8365.	6.5	19
38	Chiral separation of <sc>dl</sc>-glutamic acid by ultrasonic field. <i>CrystEngComm</i> , 2017, 19, 762-766.	2.6	7
39	A multi-walled carbon nanotubes based molecularly imprinted polymers electrochemical sensor for the sensitive determination of HIV-p24. <i>Talanta</i> , 2017, 164, 121-127.	5.5	101
40	A glassy carbon electrode modified with graphene nanoplatelets, gold nanoparticles and chitosan, and coated with a molecularly imprinted polymer for highly sensitive determination of prostate specific antigen. <i>Mikrochimica Acta</i> , 2017, 184, 4469-4476.	5.0	35
41	Ultrasensitive electrochemical determination of Ponceau 4R with a novel $\mu\text{-MnO}_2$ microspheres/chitosan modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2016, 206, 176-183.	5.2	40
42	Molecularly imprinted electrochemical sensor for advanced diagnosis of alpha-fetoprotein. <i>Analytical Methods</i> , 2016, 8, 7361-7368.	2.7	19
43	High sensitivity simultaneous determination of myricetin and rutin using a polyfurfural film modified glassy carbon electrode. <i>RSC Advances</i> , 2016, 6, 95435-95441.	3.6	14
44	Direct determination of oxalic acid by a bare platinum electrode contrasting a platinum nanoparticles-modified glassy carbon electrode. <i>Journal of Experimental Nanoscience</i> , 2016, 11, 1242-1252.	2.4	7
45	Tetrakis(ferrocenylethynyl)ethene: Synthesis, (Spectro)electrochemical and quantum chemical characterisation. <i>Journal of Organometallic Chemistry</i> , 2016, 821, 40-47.	1.8	11
46	A Snapshot of the Properties of Single Nanoparticles at the Moment of a Collision. <i>Chemistry - A European Journal</i> , 2016, 22, 9523-9527.	3.3	15
47	Structural controls of AuNR@mSiO ₂ : tuning of the SPR, and manipulation of the silica shell thickness and structure. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2614-2620.	5.5	17
48	Effects of Electrode "Molecule Binding and Junction Geometry on the Single-Molecule Conductance of bis-2,2':6''-2,2'-Terpyridine-based Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 2691-2700.	4.0	22
49	Metallic nanocrystallites-incorporated ordered mesoporous carbon as labels for a sensitive simultaneous multianalyte electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2015, 73, 71-78.	10.1	22
50	Catalytic Depolymerization of Organosolv Lignin in a Novel Water/Oil Emulsion Reactor: Lignin as the Self-Surfactant. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 11501-11510.	3.7	30
51	Role of ligands in catalytic water oxidation by mononuclear ruthenium complexes. <i>Coordination Chemistry Reviews</i> , 2015, 304-305, 88-101.	18.8	74
52	Electrochemical Single-Molecule Transistors with Optimized Gate Coupling. <i>Journal of the American Chemical Society</i> , 2015, 137, 14319-14328.	18.7	94
53	Polyfurfural film modified glassy carbon electrode for highly sensitive nifedipine determination. <i>Electrochimica Acta</i> , 2015, 186, 465-470.	5.2	22
54	RuII(\pm -diimine) or RuIII(\pm -diimine $\hat{\text{A}}$ -)? Structural, Spectroscopic, and Theoretical Evidence for the Stabilization of a Prominent Metal-to-Ligand Charge-Transfer Excited-State Configuration in the Ground State. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 110-119.	2.0	23

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55	Electrocatalytic Reduction of Carbon Dioxide with a Manganese(I) Tricarbonyl Complex Containing a Nonaromatic $\hat{\pm}$ -Diimine Ligand. <i>Organometallics</i> , 2014, 33, 5002-5008.	2.3	66
56	Structure and Spectroelectrochemical Response of Arene $\hat{\pm}$ Ruthenium and Arene $\hat{\pm}$ Osmium Complexes with Potentially Hemilabile Noninnocent Ligands. <i>Organometallics</i> , 2014, 33, 4973-4985.	2.3	44
57	Syntheses, Spectroelectrochemical Studies, and Molecular and Electronic Structures of Ferrocenyl Ene-diyne. <i>Organometallics</i> , 2013, 32, 6022-6032.	2.3	21
58	Electrochemical Reductive Deprotonation of an Imidazole Ligand in a Bipyridine Tricarbonyl Rhenium(I) Complex. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 471-474.	2.0	21