

Baiqing Yuan

List of Publications by Citations

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62
papers

1,770
citations

24
h-index

40
g-index

64
ext. papers

1,997
ext. citations

5
avg, IF

4.71
L-index

#	Paper	IF	Citations
62	Graphene oxide/nickel oxide modified glassy carbon electrode for supercapacitor and nonenzymatic glucose sensor. <i>Electrochimica Acta</i> , 2013 , 88, 708-712	6.7	180
61	A facile one-step electrochemical synthesis of graphene/NiO nanocomposites as efficient electrocatalyst for glucose and methanol. <i>Sensors and Actuators B: Chemical</i> , 2014 , 190, 809-817	8.5	108
60	Cu ₂ O/NiOx/graphene oxide modified glassy carbon electrode for the enhanced electrochemical oxidation of reduced glutathione and nonenzyme glucose sensor. <i>Electrochimica Acta</i> , 2013 , 104, 78-83	6.7	97
59	3D porous metal-organic framework as an efficient electrocatalyst for nonenzymatic sensing application. <i>Talanta</i> , 2015 , 144, 1176-81	6.2	73
58	Simultaneous determination of atropine, anisodamine, and scopolamine in plant extract by nonaqueous capillary electrophoresis coupled with electrochemiluminescence and electrochemistry dual detection. <i>Journal of Chromatography A</i> , 2010 , 1217, 171-4	4.5	70
57	Amperometric determination of reduced glutathione with a new Co-based metal-organic coordination polymer modified electrode. <i>Electrochemistry Communications</i> , 2014 , 40, 92-95	5.1	69
56	Cu-based metal-organic framework as a novel sensing platform for the enhanced electro-oxidation of nitrite. <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 632-637	8.5	64
55	Sandwich-type electrochemical biosensor for glycoproteins detection based on dual-amplification of boronic acid-gold nanoparticles and dopamine-gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2013 , 43, 155-9	11.8	62
54	Facile synthesis of 3D porous CoVO nanoroses and 2D NiCoVO nanoplates for high performance supercapacitors and their electrocatalytic oxygen evolution reaction properties. <i>Dalton Transactions</i> , 2017 , 46, 3295-3302	4.3	56
53	Amplified voltammetric detection of dopamine using ferrocene-capped gold nanoparticle/streptavidin conjugates. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 730-5	11.8	53
52	Polyethylenimine-bridged graphene oxide-gold film on glassy carbon electrode and its electrocatalytic activity toward nitrite and hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2014 , 198, 55-61	8.5	52
51	Porous nickel oxide microflowers synthesized by calcination of coordination microflowers and their applications as glutathione electrochemical sensor and supercapacitors. <i>Electrochimica Acta</i> , 2012 , 85, 256-262	6.7	51
50	Electrochemical modification of graphene oxide bearing different types of oxygen functional species for the electro-catalytic oxidation of reduced glutathione. <i>Sensors and Actuators B: Chemical</i> , 2013 , 184, 15-20	8.5	46
49	Quick synthesis of zeolitic imidazolate framework microflowers with enhanced supercapacitor and electrocatalytic performances. <i>RSC Advances</i> , 2015 , 5, 58772-58776	3.7	45
48	Enzyme-free glucose sensor using a glassy carbon electrode modified with reduced graphene oxide decorated with mixed copper and cobalt oxides. <i>Mikrochimica Acta</i> , 2016 , 183, 1813-1821	5.8	41
47	Assembly of ultrathin NiOOH nanosheets on electrochemically pretreated glassy carbon electrode for electrocatalytic oxidation of glucose and methanol. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 398-407	8.5	41
46	Chiral capillary electrophoresis-mass spectrometry of 3,4-dihydroxyphenylalanine: evidence for its enantioselective metabolism in PC-12 nerve cells. <i>Analytical Biochemistry</i> , 2011 , 416, 191-5	3.1	39

45	Activity analysis of the carbodiimide-mediated amine coupling reaction on self-assembled monolayers by cyclic voltammetry. <i>Electrochimica Acta</i> , 2013 , 89, 616-622	6.7	38
44	Redox-active micro-sized metal-organic framework for efficient nonenzymatic H ₂ O ₂ sensing. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 224-229	8.5	31
43	Glassy carbon electrode modified with 7,7,8,8-tetracyanoquinodimethane and graphene oxide triggered a synergistic effect: Low-potential amperometric detection of reduced glutathione. <i>Biosensors and Bioelectronics</i> , 2017 , 96, 1-7	11.8	30
42	Microwave-assisted solvothermal synthesis of nickel molybdate nanosheets as a potential catalytic platform for NADH and ethanol sensing. <i>Sensors and Actuators B: Chemical</i> , 2015 , 206, 1-7	8.5	28
41	Facile synthesis of ZnCo ₂ O ₄ mesoporous structures with enhanced electrocatalytic oxygen evolution reaction properties. <i>RSC Advances</i> , 2016 , 6, 92699-92704	3.7	26
40	Facile Synthesis of a Nickel Sulfide (NiS) Hierarchical Flower for the Electrochemical Oxidation of H ₂ O ₂ and the Methanol Oxidation Reaction (MOR). <i>Journal of the Electrochemical Society</i> , 2017 , 164, B92-B96	3.9	25
39	A novel technique for NACE coupled with simultaneous electrochemiluminescence and electrochemical detection for fast analysis of tertiary amines. <i>Electrophoresis</i> , 2009 , 30, 479-86	3.6	25
38	Chiral capillary electrophoresis-mass spectrometry of tetrahydroisoquinoline-derived neurotoxins: observation of complex stereoisomerism. <i>Journal of Chromatography A</i> , 2011 , 1218, 3118-23	4.5	24
37	Electrochemical determination of glutathione based on an electrodeposited nickel oxide nanoparticles-modified glassy carbon electrode. <i>Analytical Methods</i> , 2013 , 5, 1779	3.2	23
36	Transformation of dense AgI into a silver-rich framework iodide using thiophenol as mineralizer. <i>Journal of Solid State Chemistry</i> , 2014 , 220, 185-190	3.3	23
35	A novel oxidation-reduction method for highly selective detection of cysteine over reduced glutathione based on synergistic effect of fully fluorinated cobalt phthalocyanine and ordered mesoporous carbon. <i>Sensors and Actuators B: Chemical</i> , 2019 , 288, 180-187	8.5	22
34	Syntheses and Characterization of Chiral Zeolitic Silver Halides Based on 3-Rings. <i>Inorganic Chemistry</i> , 2016 , 55, 11593-11599	5.1	20
33	A novel enzyme-free hydrogen peroxide sensor based on polyethylenimine-grafted graphene oxide-Pd particles modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 731, 67-71	4.1	20
32	A multiple signal amplification based on PEI and rGO nanocomposite for simultaneous multiple electrochemical immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2019 , 301, 127071	8.5	18
31	Adsorption of Mn(II) from aqueous solution by silica-gel supported polyamidoamine dendrimers: Experimental and DFT study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 97, 189-199	5.3	17
30	Facile Synthesis of Mesoporous and Thin-Walled NiCo Sulfide Nanotubes as Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2018 , 1, 495-502	6.1	17
29	Recent Advances in Application of Nonaqueous Capillary Electrophoresis. <i>Chinese Journal of Analytical Chemistry</i> , 2010 , 38, 1670-1677	1.6	17
28	Electrografting of amino-TEMPO on graphene oxide and electrochemically reduced graphene oxide for electrocatalytic applications. <i>Electrochemistry Communications</i> , 2017 , 81, 18-23	5.1	15

27	A novel DNA sensor using a sandwich format by electrochemical measurement of marker ion fluxes across nanoporous alumina membrane. <i>Electrochimica Acta</i> , 2015 , 159, 234-241	6.7	15
26	A Novel Electrochemiluminescence Electrospun Carbon Nanofiber Based Sensor for Atropine. <i>Chinese Journal of Analytical Chemistry</i> , 2011 , 39, 1233-1237	1.6	15
25	Electrochemical Sensors Based on Covalent Organic Frameworks: A Critical Review. <i>Frontiers in Chemistry</i> , 2020 , 8, 601044	5	13
24	Synthesis of Novel CoS ₂ Nanodendrites with High Performance Supercapacitors. <i>International Journal of Electrochemical Science</i> , 2016 , 6791-6798	2.2	13
23	Polymer-based Electrochemical Sensing Platform for Heavy Metal Ions Detection - A Critical Review. <i>International Journal of Electrochemical Science</i> , 2019 , 8760-8771	2.2	12
22	Solvothermal synthesis of cobalt tungstate microrings for enhanced nonenzymatic glucose sensor. <i>Materials Letters</i> , 2018 , 210, 291-294	3.3	12
21	Alternative coulometric signal readout based on a solid-contact ion-selective electrode for detection of nitrate. <i>Analytica Chimica Acta</i> , 2020 , 1129, 136-142	6.6	12
20	Electrochemically controlling oxygen functional groups in graphene oxide for the optimization in the electro-catalytic oxidation of dihydroxybenzene isomers and L-methionine. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 717-718, 219-224	4.1	11
19	Enantioseparation of Dioxopromethazine Hydrochloride in Urine with Liquid-Liquid Extraction by CE-ECL Detection. <i>Chromatographia</i> , 2009 , 70, 1291-1293	2.1	11
18	Pd nanoparticles supported on 1,10-phenanthroline-5,6-dione modified graphene oxide as superior bifunctional electrocatalyst for highly sensitive sensing. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 861, 113945	4.1	9
17	Synthesis and the temperature-dependent luminescent properties of SrWO ₄ :Eu ³⁺ + ultralong nanowire phosphors. <i>Inorganic Chemistry Communication</i> , 2016 , 71, 50-53	3.1	9
16	Combined experimental and DFT study on the adsorption of Co(II) and Zn(II) from fuel ethanol by Schiff base decorated magnetic Fe ₃ O ₄ composites. <i>Microchemical Journal</i> , 2019 , 151, 104220	4.8	8
15	CoMoO ₄ and Ni _{1/3} Co _{2/3} MoO ₄ nanosheets with high performance supercapacitor and nonenzymatic glucose detection properties. <i>RSC Advances</i> , 2015 , 5, 84451-84456	3.7	8
14	A novel tris(2,2'-bipyridine)ruthenium(II)/tripropylamine cathodic electrochemiluminescence in acetonitrile for the indirect determination of hydrogen peroxide. <i>Talanta</i> , 2009 , 79, 730-3	6.2	8
13	Highly sensitive electrochemical immunosensor for the simultaneous detection of multiple tumor markers for signal amplification. <i>Talanta</i> , 2021 , 226, 122133	6.2	7
12	ZIF-9 with Enhanced Supercapacitor and Electrocatalytic for Oxygen Evolution Reaction Performances in Alkaline Electrolyte. <i>International Journal of Electrochemical Science</i> , 2016 , 7519-7526	2.2	7
11	Quality Analysis of Herbal Medicine Products Prepared from Herba Sarcandrae by Capillary Electrophoresis with Electrochemical Detection. <i>Chemical Research in Chinese Universities</i> , 2008 , 24, 148-153	4.3	6
10	Synthesis of Zn _{0.3} Co _{2.7} O ₄ porous willow-leaf like structure for enhanced electrocatalytic oxygen evolution reaction. <i>Materials Letters</i> , 2017 , 198, 196-200	3.3	5

9	A Simple and Facile Electrochemical Sensor for Sensitive Detection of Histidine Based on Three-Dimensional Porous Ni Foam. <i>International Journal of Electrochemical Science</i> , 9794-9802	2.2	5
8	Preparation of Highly Fluorescent and pH Responsive CdTe Quantum Dots Within Dynamic Covalent Hyperbranched Polymers and Their In Vitro Application as Fluorescence Probe. <i>Science of Advanced Materials</i> , 2015 , 7, 615-622	2.3	4
7	Removal of Fe(III) from ethanol by silica-gel supported ester-terminated PAMAM dendrimers: experimental and DFT calculation	164, 310-318	4
6	An Organic-Inorganic Hybrid Based on Keggin-Type Polyoxometalate and Hypoxanthine: Synthesis, Structure, Stability, and Electrochemistry Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 925-929	1.3	4
5	Translating potentiometric detection into non-enzymatic amperometric measurement of HO. <i>Talanta</i> , 2021 , 232, 122489	6.2	4
4	pH-Responsive Nanocarriers Based on Dynamic Covalent Hyperbranched Polymers. <i>Science of Advanced Materials</i> , 2015 , 7, 2486-2491	2.3	2
3	Fluorinated cobalt phthalocyanine axially coordinated to oxo functionalities on different dimensional carbon (1D-3D) for durable oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2022 , 164190	5.7	0
2	Molecular fluorinated cobalt phthalocyanine immobilized on ordered mesoporous carbon as an electrochemical sensing platform for sensitive detection of hydrogen peroxide and hydrazine in alkaline medium. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 906, 116019	4.1	0
1	Quick and easy synthesis of a novel kind of luminescent organic-inorganic hybrid colloidal particles. <i>Materials Letters</i> , 2013 , 110, 134-136	3.3	