

# Baiqing Yuan

## List of Publications by Year in descending order

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64  
papers

2,297  
citations

201385

27  
h-index

214527

47  
g-index

64  
all docs

64  
docs citations

64  
times ranked

3192  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene oxide/nickel oxide modified glassy carbon electrode for supercapacitor and nonenzymatic glucose sensor. <i>Electrochimica Acta</i> , 2013, 88, 708-712.	2.6	199
2	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.	4.0	133
3	Cu <sub>2</sub> 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.	2.6	110
4	3D porous metal-organic framework as an efficient electrocatalyst for nonenzymatic sensing application. <i>Talanta</i> , 2015, 144, 1176-1181.	2.9	98
5	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, 155-159.	5.3	88
6	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.	4.0	83
7	Amperometric determination of reduced glutathione with a new Co-based metal-organic coordination polymer modified electrode. <i>Electrochemistry Communications</i> , 2014, 40, 92-95.	2.3	81
8	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, 171-174.	1.8	78
9	Amplified voltammetric detection of dopamine using ferrocene-capped gold nanoparticle/streptavidin conjugates. <i>Biosensors and Bioelectronics</i> , 2013, 41, 730-735.	5.3	72
10	Facile synthesis of 3D porous Co <sub>3</sub> V <sub>2</sub> O <sub>8</sub> nanoroses and 2D NiCo <sub>2</sub> V <sub>2</sub> O <sub>8</sub> nanoplates for high performance supercapacitors and their electrocatalytic oxygen evolution reaction properties. <i>Dalton Transactions</i> , 2017, 46, 3295-3302.	1.6	68
11	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.	2.6	65
12	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.	4.0	63
13	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.	4.0	58
14	Activity analysis of the carbodiimide-mediated amine coupling reaction on self-assembled monolayers by cyclic voltammetry. <i>Electrochimica Acta</i> , 2013, 89, 616-622.	2.6	58
15	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.	4.0	56
16	Quick synthesis of zeolitic imidazolate framework microflowers with enhanced supercapacitor and electrocatalytic performances. <i>RSC Advances</i> , 2015, 5, 58772-58776.	1.7	53
17	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.	2.5	48
18	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, 191-195.	1.1	43

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19	Redox-active micro-sized metal-organic framework for efficient nonenzymatic H <sub>2</sub> O <sub>2</sub> sensing. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 224-229.	4.0	41
20	Facile Synthesis of a Nickel Sulfide (NiS) Hierarchical Flower for the Electrochemical Oxidation of H <sub>2</sub> O <sub>2</sub> and the Methanol Oxidation Reaction (MOR). <i>Journal of the Electrochemical Society</i> , 2017, 164, B92-B96.	1.3	41
21	Facile synthesis of ZnCo <sub>2</sub> O <sub>4</sub> mesoporous structures with enhanced electrocatalytic oxygen evolution reaction properties. <i>RSC Advances</i> , 2016, 6, 92699-92704.	1.7	38
22	Electrochemical Sensors Based on Covalent Organic Frameworks: A Critical Review. <i>Frontiers in Chemistry</i> , 2020, 8, 601044.	1.8	38
23	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.	5.3	37
24	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.	4.0	36
25	Chiral capillary electrophoresis-mass spectrometry of tetrahydroisoquinoline-derived neurotoxins: Observation of complex stereoisomerism. <i>Journal of Chromatography A</i> , 2011, 1218, 3118-3123.	1.8	32
26	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.	4.0	31
27	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.	4.0	29
28	Facile Synthesis of Mesoporous and Thin-Walled Ni-Co Sulfide Nanotubes as Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2018, 1, 495-502.	2.5	28
29	Syntheses and Characterization of Chiral Zeolitic Silver Halides Based on 3-Rings. <i>Inorganic Chemistry</i> , 2016, 55, 11593-11599.	1.9	27
30	A novel technique for NACE coupled with simultaneous electrochemiluminescence and electrochemical detection for fast analysis of tertiary amines. <i>Electrophoresis</i> , 2009, 30, 479-486.	1.3	26
31	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.	1.4	26
32	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.	2.6	26
33	Highly sensitive electrochemical immunosensor for the simultaneous detection of multiple tumor markers for signal amplification. <i>Talanta</i> , 2021, 226, 122133.	2.9	26
34	Electrochemical determination of glutathione based on an electrodeposited nickel oxide nanoparticles-modified glassy carbon electrode. <i>Analytical Methods</i> , 2013, 5, 1779.	1.3	25
35	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.	1.9	25
36	Polymer-based Electrochemical Sensing Platform for Heavy Metal Ions Detection - A Critical Review. <i>International Journal of Electrochemical Science</i> , 2019, 14, 8760-8771.	0.5	25

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37	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.	2.7	24
38	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.	2.6	22
39	Electrografting of amino-TEMPO on graphene oxide and electrochemically reduced graphene oxide for electrocatalytic applications. <i>Electrochemistry Communications</i> , 2017, 81, 18-23.	2.3	19
40	Recent Advances in Application of Nonaqueous Capillary Electrophoresis. <i>Chinese Journal of Analytical Chemistry</i> , 2010, 38, 1670-1677.	0.9	18
41	Solvothermal synthesis of cobalt tungstate microrings for enhanced nonenzymatic glucose sensor. <i>Materials Letters</i> , 2018, 210, 291-294.	1.3	18
42	A Novel Electrochemiluminescence Electrospun Carbon Nanofiber Based Sensor for Atropine. <i>Chinese Journal of Analytical Chemistry</i> , 2011, 39, 1233-1237.	0.9	17
43	Synthesis of Novel CoS <sub>2</sub> Nanodendrites with High Performance Supercapacitors. <i>International Journal of Electrochemical Science</i> , 2016, , 6791-6798.	0.5	16
44	Synthesis and the temperature-dependent luminescent properties of SrWO <sub>4</sub> :Eu <sup>3+</sup> ultralong nanowire phosphors. <i>Inorganic Chemistry Communication</i> , 2016, 71, 50-53.	1.8	16
45	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.	1.9	15
46	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.	1.9	13
47	Enantioseparation of Dioxopromethazine Hydrochloride in Urine with Liquid-liquid Extraction by CE-ECL Detection. <i>Chromatographia</i> , 2009, 70, 1291-1293.	0.7	12
48	CoMoO <sub>4</sub> and Ni <sub>1/3</sub> Co <sub>2/3</sub> MoO <sub>4</sub> nanosheets with high performance supercapacitor and nonenzymatic glucose detection properties. <i>RSC Advances</i> , 2015, 5, 84451-84456.	1.7	10
49	Combined experimental and DFT study on the adsorption of Co(II) and Zn(II) from fuel ethanol by Schiff base decorated magnetic Fe <sub>3</sub> O <sub>4</sub> composites. <i>Microchemical Journal</i> , 2019, 151, 104220.	2.3	10
50	Translating potentiometric detection into non-enzymatic amperometric measurement of H <sub>2</sub> O <sub>2</sub> . <i>Talanta</i> , 2021, 232, 122489.	2.9	10
51	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, 730-733.	2.9	9
52	ZIF-9 with Enhanced Supercapacitor and Electrocatalytic for Oxygen Evolution Reaction Performances in Alkaline Electrolyte. <i>International Journal of Electrochemical Science</i> , 2016, 11, 7519-7526.	0.5	8
53	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> , 2018, 13, 9794-9802.	0.5	7
54	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.	1.9	7

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55	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.	1.3	6
56	Synthesis of Zn <sub>0.3</sub> Co <sub>2.7</sub> O <sub>4</sub> porous willow-leaf like structure for enhanced electrocatalytic oxygen evolution reaction. <i>Materials Letters</i> , 2017, 198, 196-200.	1.3	5
57	Preparation of Highly Fluorescent and pH Responsive CdTe Quantum Dots Within Dynamic Covalent Hyperbranched Polymers and Their <i>In Vitro</i> Application as Fluorescence Probe. <i>Science of Advanced Materials</i> , 2015, 7, 615-622.	0.1	5
58	Removal of Fe(III) from ethanol by silica-gel supported ester-terminated PAMAM dendrimers: experimental and DFT calculation. , 0, 164, 310-318.		5
59	A Micro Electrochemical Sensor for Multi-Analyte Detection Based on Oxygenated Graphene Modified Screen-Printed Electrode. <i>Nanomaterials</i> , 2022, 12, 711.	1.9	5
60	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.	0.6	4
61	Editorial: Materials for Electroanalysis Based on Advanced Frameworks. <i>Frontiers in Chemistry</i> , 2021, 9, 638338.	1.8	2
62	pH-Responsive Nanocarriers Based on Dynamic Covalent Hyperbranched Polymers. <i>Science of Advanced Materials</i> , 2015, 7, 2486-2491.	0.1	2
63	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.	2.8	1
64	Quick and easy synthesis of a novel kind of luminescent organic-inorganic hybrid colloidal particles. <i>Materials Letters</i> , 2013, 110, 134-136.	1.3	0