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	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. Journal of Electroanalytical Chemistry, 2022, 906, 116019.	1.9	7
2	Fluorinated cobalt phthalocyanine axially coordinated to oxo functionalities on different dimensional carbon (1D-3D) for durable oxygen reduction reaction. Journal of Alloys and Compounds, 2022, , 164190.	2.8	1
3	A Micro Electrochemical Sensor for Multi-Analyte Detection Based on Oxygenated Graphene Modified Screen-Printed Electrode. Nanomaterials, 2022, 12, 711.	1.9	5
4	Editorial: Materials for Electroanalysis Based on Advanced Frameworks. Frontiers in Chemistry, 2021, 9, 638338.	1.8	2
5	Highly sensitive electrochemical immunosensor for the simultaneous detection of multiple tumor markers for signal amplification. Talanta, 2021, 226, 122133.	2.9	26
6	Translating potentiometric detection into non-enzymatic amperometric measurement of H2O2. Talanta, 2021, 232, 122489.	2.9	10
7	Alternative coulometric signal readout based on a solid-contact ion-selective electrode for detection of nitrate. Analytica Chimica Acta, 2020, 1129, 136-142.	2.6	26
8	Electrochemical Sensors Based on Covalent Organic Frameworks: A Critical Review. Frontiers in Chemistry, 2020, 8, 601044.	1.8	38
9	Pd nanoparticles supported on 1,10-phenanthroline-5,6-dione modified graphene oxide as superior bifunctional electrocatalyst for highly sensitive sensing. Journal of Electroanalytical Chemistry, 2020, 861, 113945.	1.9	13
10	Combined experimental and DFT study on the adsorption of Co(II) and Zn(II) from fuel ethanol by Schiff base decorated magnetic Fe3O4 composites. Microchemical Journal, 2019, 151, 104220.	2.3	10
11	Polymer-based Electrochemical Sensing Platform for Heavy Metal Ions Detection - A Critical Review. International Journal of Electrochemical Science, 2019, 14, 8760-8771.	0.5	25
12	A multiple signal amplification based on PEI and rGO nanocomposite for simultaneous multiple electrochemical immunoassay. Sensors and Actuators B: Chemical, 2019, 301, 127071.	4.0	29
13	Adsorption of Mn(II) from aqueous solution by silica-gel supported polyamidoamine dendrimers: Experimental and DFT study. Journal of the Taiwan Institute of Chemical Engineers, 2019, 97, 189-199.	2.7	24
14	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. Sensors and Actuators B: Chemical, 2019, 288, 180-187.	4.0	31
15	Facile Synthesis of Mesoporous and Thin-Walled Niâ€“Co Sulfide Nanotubes as Efficient Electrocatalysts for Oxygen Evolution Reaction. ACS Applied Energy Materials, 2018, 1, 495-502.	2.5	28
16	Solvothermal synthesis of cobalt tungstate microrings for enhanced nonenzymatic glucose sensor. Materials Letters, 2018, 210, 291-294.	1.3	18
17	A Simple and Facile Electrochemical Sensor for Sensitive Detection of Histidine Based on Three-Dimensional Porous Ni Foam. International Journal of Electrochemical Science, 2018, 13, 9794-9802.	0.5	7
18	Facile Synthesis of a Nickel Sulfide (NiS) Hierarchical Flower for the Electrochemical Oxidation of H₂O₂and the Methanol Oxidation Reaction (MOR). Journal of the Electrochemical Society, 2017, 164, B92-B96.	1.3	41

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19	Facile synthesis of 3D porous Co₃V₂O₈ nanoroses and 2D NiCo₂V₂O₈ nanoplates for high performance supercapacitors and their electrocatalytic oxygen evolution reaction properties. Dalton Transactions, 2017, 46, 3295-3302.	1.6	68
20	Glassy carbon electrode modified with 7,7,8,8-tetracyanoquinodimethane and graphene oxide triggered a synergistic effect: Low-potential amperometric detection of reduced glutathione. Biosensors and Bioelectronics, 2017, 96, 1-7.	5.3	37
21	Synthesis of Zn0.3Co2.7O4 porous willow-leaf like structure for enhanced electrocatalytic oxygen evolution reaction. Materials Letters, 2017, 198, 196-200.	1.3	5
22	Electrografting of amino-TEMPO on graphene oxide and electrochemically reduced graphene oxide for electrocatalytic applications. Electrochemistry Communications, 2017, 81, 18-23.	2.3	19
23	Assembly of ultrathin NiOOH nanosheets on electrochemically pretreated glassy carbon electrode for electrocatalytic oxidation of glucose and methanol. Sensors and Actuators B: Chemical, 2017, 240, 398-407.	4.0	63
24	ZIF-9 with Enhanced Surpercapacitor and Electrocatalytic for Oxygen Evolution Reaction Performances in Alkaline Electrolyte. International Journal of Electrochemical Science, 2016, 11, 7519-7526.	0.5	8
25	Synthesis of Novel CoS2 Nanodendrites with High Performance Supercapacitors. International Journal of Electrochemical Science, 2016, , 6791-6798.	0.5	16
26	Synthesis and the temperature-dependent luminescent properties of SrWO4:Eu3+ ultralong nanowire phosphors. Inorganic Chemistry Communication, 2016, 71, 50-53.	1.8	16
27	An Organicâ€Inorganic Hybrid Based on Keggināâ€Type Polyoxometalate and Hypoxanthine: Synthesis, Structure, Stability, and Electrochemistry Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 925-929.	0.6	4
28	Facile synthesis of ZnCo₂O₄ mesoporous structures with enhanced electrocatalytic oxygen evolution reaction properties. RSC Advances, 2016, 6, 92699-92704.	1.7	38
29	Syntheses and Characterization of Chiral Zeolitic Silver Halides Based on 3-Rings. Inorganic Chemistry, 2016, 55, 11593-11599.	1.9	27
30	Enzyme-free glucose sensor using a glassy carbon electrode modified with reduced graphene oxide decorated with mixed copper and cobalt oxides. Mikrochimica Acta, 2016, 183, 1813-1821.	2.5	48
31	Cu-based metalâ€“organic framework as a novel sensing platform for the enhanced electro-oxidation of nitrite. Sensors and Actuators B: Chemical, 2016, 222, 632-637.	4.0	83
32	3D porous metal-organic framework as an efficient electrocatalyst for nonenzymatic sensing application. Talanta, 2015, 144, 1176-1181.	2.9	98
33	A novel DNA sensor using a sandwich format by electrochemical measurement of marker ion fluxes across nanoporous alumina membrane. Electrochimica Acta, 2015, 159, 234-241.	2.6	22
34	Quick synthesis of zeolitic imidazolate framework microflowers with enhanced supercapacitor and electrocatalytic performances. RSC Advances, 2015, 5, 58772-58776.	1.7	53
35	Redox-active microsized metal-organic framework for efficient nonenzymatic H2O2 sensing. Sensors and Actuators B: Chemical, 2015, 221, 224-229.	4.0	41
36	CoMoO4 and Ni1/3Co2/3MoO4 nanosheets with high performance supercapacitor and nonenzymatic glucose detection properties. RSC Advances, 2015, 5, 84451-84456.	1.7	10

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37	Microwave-assisted solvothermal synthesis of nickel molybdate nanosheets as a potential catalytic platform for NADH and ethanol sensing. Sensors and Actuators B: Chemical, 2015, 206, 1-7.	4.0	36
38	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. Science of Advanced Materials, 2015, 7, 615-622.	0.1	5
39	pH-Responsive Nanocarriers Based on Dynamic Covalent Hyperbranched Polymers. Science of Advanced Materials, 2015, 7, 2486-2491.	0.1	2
40	Transformation of dense AgI into a silver-rich framework iodide using thiophenol as mineralizer. Journal of Solid State Chemistry, 2014, 220, 185-190.	1.4	26
41	A facile one-step electrochemical synthesis of graphene/NiO nanocomposites as efficient electrocatalyst for glucose and methanol. Sensors and Actuators B: Chemical, 2014, 190, 809-817.	4.0	133
42	Polyethylenimine-bridged graphene oxideâ€“gold film on glassy carbon electrode and its electrocatalytic activity toward nitrite and hydrogen peroxide. Sensors and Actuators B: Chemical, 2014, 198, 55-61.	4.0	56
43	Amperometric determination of reduced glutathione with a new Co-based metal-organic coordination polymer modified electrode. Electrochemistry Communications, 2014, 40, 92-95.	2.3	81
44	A novel enzyme-free hydrogen peroxide sensor based on polyethylenimine-grafted graphene oxide-Pd particles modified electrode. Journal of Electroanalytical Chemistry, 2014, 731, 67-71.	1.9	25
45	Electrochemically controlling oxygen functional groups in graphene oxide for the optimization in the electro-catalytic oxidation of dihydroxybenzene isomers and L-methionine. Journal of Electroanalytical Chemistry, 2014, 717-718, 219-224.	1.9	15
46	Sandwich-type electrochemical biosensor for glycoproteins detection based on dual-amplification of boronic acid-gold nanoparticles and dopamine-gold nanoparticles. Biosensors and Bioelectronics, 2013, 43, 155-159.	5.3	88
47	Quick and easy synthesis of a novel kind of luminescent organicâ€“inorganic hybrid colloidal particles. Materials Letters, 2013, 110, 134-136.	1.3	0
48	Electrochemical determination of glutathione based on an electrodeposited nickel oxide nanoparticles-modified glassy carbon electrode. Analytical Methods, 2013, 5, 1779.	1.3	25
49	Graphene oxide/nickel oxide modified glassy carbon electrode for supercapacitor and nonenzymatic glucose sensor. Electrochimica Acta, 2013, 88, 708-712.	2.6	199
50	Electrochemical modification of graphene oxide bearing different types of oxygen functional species for the electro-catalytic oxidation of reduced glutathione. Sensors and Actuators B: Chemical, 2013, 184, 15-20.	4.0	58
51	Cu2O/NiOx/graphene oxide modified glassy carbon electrode for the enhanced electrochemical oxidation of reduced glutathione and nonenzyme glucose sensor. Electrochimica Acta, 2013, 104, 78-83.	2.6	110
52	Activity analysis of the carbodiimide-mediated amine coupling reaction on self-assembled monolayers by cyclic voltammetry. Electrochimica Acta, 2013, 89, 616-622.	2.6	58
53	Amplified voltammetric detection of dopamine using ferrocene-capped gold nanoparticle/streptavidin conjugates. Biosensors and Bioelectronics, 2013, 41, 730-735.	5.3	72
54	Porous nickel oxide microflowers synthesized by calcination of coordination microflowers and their applications as glutathione electrochemical sensor and supercapacitors. Electrochimica Acta, 2012, 85, 256-262.	2.6	65

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55	A Novel Electrochemiluminescence Electrospun Carbon Nanofiber Based Sensor for Atropine. Chinese Journal of Analytical Chemistry, 2011, 39, 1233-1237.	0.9	17
56	Chiral capillary electrophoresisâ€“mass spectrometry of tetrahydroisoquinoline-derived neurotoxins: Observation of complex stereoisomerism. Journal of Chromatography A, 2011, 1218, 3118-3123.	1.8	32
57	Chiral capillary electrophoresisâ€“mass spectrometry of 3,4-dihydroxyphenylalanine: Evidence for its enantioselective metabolism in PC-12 nerve cells. Analytical Biochemistry, 2011, 416, 191-195.	1.1	43
58	Simultaneous determination of atropine, anisodamine, and scopolamine in plant extract by nonaqueous capillary electrophoresis coupled with electrochemiluminescence and electrochemistry dual detection. Journal of Chromatography A, 2010, 1217, 171-174.	1.8	78
59	Recent Advances in Application of Nonaqueous Capillary Electrophoresis. Chinese Journal of Analytical Chemistry, 2010, 38, 1670-1677.	0.9	18
60	A novel technique for NACE coupled with simultaneous electrochemiluminescence and electrochemical detection for fast analysis of tertiary amines. Electrophoresis, 2009, 30, 479-486.	1.3	26
61	Enantioseparation of Dioxopromethazine Hydrochloride in Urine with Liquidâ€“Liquid Extraction by CE-ECL Detection. Chromatographia, 2009, 70, 1291-1293.	0.7	12
62	A novel tris(2,2â€²-bipyridine)ruthenium(II)/tripropylamine cathodic electrochemiluminescence in acetonitrile for the indirect determination of hydrogen peroxide. Talanta, 2009, 79, 730-733.	2.9	9
63	Quality Analysis of Herbal Medicine Products Prepared from Herba Sarcandrae by Capillary Electrophoresis with Electrochemical Detection. Chemical Research in Chinese Universities, 2008, 24, 148-153.	1.3	6
64	Removal of Fe(III) from ethanol by silica-gel supported ester-terminated PAMAM dendrimers: experimental and DFT calculation. , 0, 164, 310-318.		5