Baiqing Yuan

List of Publications by Year
in descending order

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64 papers	2,297 citations	201674 27 h-index	214800 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. Electrochimica Acta, 2013, 88, 708-712.	5.2	199
2	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.	7.8	133
3	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.	5.2	110
4	3D porous metal-organic framework as an efficient electrocatalyst for nonenzymatic sensing application. Talanta, 2015, 144, 1176-1181.	5.5	98
5	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.	10.1	88
6	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.	7.8	83
7	Amperometric determination of reduced glutathione with a new Co-based metal-organic coordination polymer modified electrode. Electrochemistry Communications, 2014, 40, 92-95.	4.7	81
8	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.	3.7	78
9	Amplified voltammetric detection of dopamine using ferrocene-capped gold nanoparticle/streptavidin conjugates. Biosensors and Bioelectronics, 2013, 41, 730-735.	10.1	72
10	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.	3.3	68
11	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.	5.2	65
12	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.	7.8	63
13	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.	7.8	58
14	Activity analysis of the carbodiimide-mediated amine coupling reaction on self-assembled monolayers by cyclic voltammetry. Electrochimica Acta, 2013, 89, 616-622.	5.2	58
15	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.	7.8	56
16	Quick synthesis of zeolitic imidazolate framework microflowers with enhanced supercapacitor and electrocatalytic performances. RSC Advances, 2015, 5, 58772-58776.	3.6	53
17	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.	5.0	48
18	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.	2.4	43

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19	Redox-active microsized metal-organic framework for efficient nonenzymatic H2O2 sensing. Sensors and Actuators B: Chemical, 2015, 221, 224-229.	7.8	41
20	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.	2.9	41
21	Facile synthesis of ZnCo₂O₄ mesoporous structures with enhanced electrocatalytic oxygen evolution reaction properties. RSC Advances, 2016, 6, 92699-92704.	3.6	38
22	Electrochemical Sensors Based on Covalent Organic Frameworks: A Critical Review. Frontiers in Chemistry, 2020, 8, 601044.	3.6	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. Biosensors and Bioelectronics, 2017, 96, 1-7.	10.1	37
24	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.	7.8	36
25	Chiral capillary electrophoresisâ€“mass spectrometry of tetrahydroisoquinoline-derived neurotoxins: Observation of complex stereoisomerism. Journal of Chromatography A, 2011, 1218, 3118-3123.	3.7	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. Sensors and Actuators B: Chemical, 2019, 288, 180-187.	7.8	31
27	A multiple signal amplification based on PEI and rGO nanocomposite for simultaneous multiple electrochemical immunoassay. Sensors and Actuators B: Chemical, 2019, 301, 127071.	7.8	29
28	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.	5.1	28
29	Syntheses and Characterization of Chiral Zeolitic Silver Halides Based on 3-Rings. Inorganic Chemistry, 2016, 55, 11593-11599.	4.0	27
30	A novel technique for NACE coupled with simultaneous electrochemiluminescence and electrochemical detection for fast analysis of tertiary amines. Electrophoresis, 2009, 30, 479-486.	2.4	26
31	Transformation of dense AgI into a silver-rich framework iodide using thiophenol as mineralizer. Journal of Solid State Chemistry, 2014, 220, 185-190.	2.9	26
32	Alternative coulometric signal readout based on a solid-contact ion-selective electrode for detection of nitrate. Analytica Chimica Acta, 2020, 1129, 136-142.	5.4	26
33	Highly sensitive electrochemical immunosensor for the simultaneous detection of multiple tumor markers for signal amplification. Talanta, 2021, 226, 122133.	5.5	26
34	Electrochemical determination of glutathione based on an electrodeposited nickel oxide nanoparticles-modified glassy carbon electrode. Analytical Methods, 2013, 5, 1779.	2.7	25
35	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.	3.8	25
36	Polymer-based Electrochemical Sensing Platform for Heavy Metal Ions Detection - A Critical Review. International Journal of Electrochemical Science, 2019, 14, 8760-8771.	1.3	25

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37	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.	5.3	24
38	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.	5.2	22
39	Electrografting of amino-TEMPO on graphene oxide and electrochemically reduced graphene oxide for electrocatalytic applications. Electrochemistry Communications, 2017, 81, 18-23.	4.7	19
40	Recent Advances in Application of Nonaqueous Capillary Electrophoresis. Chinese Journal of Analytical Chemistry, 2010, 38, 1670-1677.	1.7	18
41	Solvothermal synthesis of cobalt tungstate microrings for enhanced nonenzymatic glucose sensor. Materials Letters, 2018, 210, 291-294.	2.6	18
42	A Novel Electrochemiluminescence Electrospun Carbon Nanofiber Based Sensor for Atropine. Chinese Journal of Analytical Chemistry, 2011, 39, 1233-1237.	1.7	17
43	Synthesis of Novel CoS2 Nanodendrites with High Performance Supercapacitors. International Journal of Electrochemical Science, 2016, , 6791-6798.	1.3	16
44	Synthesis and the temperature-dependent luminescent properties of SrWO4:Eu3+ ultralong nanowire phosphors. Inorganic Chemistry Communication, 2016, 71, 50-53.	3.9	16
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.	3.8	15
46	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.	3.8	13
47	Enantioseparation of Dioxopromethazine Hydrochloride in Urine with Liquidâ€“Liquid Extraction by CE-ECL Detection. Chromatographia, 2009, 70, 1291-1293.	1.3	12
48	CoMoO4 and Ni1/3Co2/3MoO4 nanosheets with high performance supercapacitor and nonenzymatic glucose detection properties. RSC Advances, 2015, 5, 84451-84456.	3.6	10
49	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.	4.5	10
50	Translating potentiometric detection into non-enzymatic amperometric measurement of H2O2. Talanta, 2021, 232, 122489.	5.5	10
51	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.	5.5	9
52	ZIF-9 with Enhanced Surpercapacitor and Electrocatalytic for Oxygen Evolution Reaction Performances in Alkaline Electrolyte. International Journal of Electrochemical Science, 2016, 11, 7519-7526.	1.3	8
53	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.	1.3	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. Journal of Electroanalytical Chemistry, 2022, 906, 116019.	3.8	7

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55	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.	2.6	6
56	Synthesis of Zn0.3Co2.7O4 porous willow-leaf like structure for enhanced electrocatalytic oxygen evolution reaction. Materials Letters, 2017, 198, 196-200.	2.6	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. Science of Advanced Materials, 2015, 7, 615-622.	0.7	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. Nanomaterials, 2022, 12, 711.	4.1	5
60	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.	1.2	4
61	Editorial: Materials for Electroanalysis Based on Advanced Frameworks. Frontiers in Chemistry, 2021, 9, 638338.	3.6	2
62	pH-Responsive Nanocarriers Based on Dynamic Covalent Hyperbranched Polymers. Science of Advanced Materials, 2015, 7, 2486-2491.	0.7	2
63	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.	5.5	1
64	Quick and easy synthesis of a novel kind of luminescent organicâ€“inorganic hybrid colloidal particles. Materials Letters, 2013, 110, 134-136.	2.6	0