

Jian-Bo He

List of Publications by Year in descending order

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88
papers

2,390
citations

201674

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous determination of quercetin and rutin at a multi-wall carbon-nanotube paste electrodes by reversing differential pulse voltammetry. <i>Sensors and Actuators B: Chemical</i> , 2006, 119, 608-614.	7.8	133
2	Sensitive colorimetric assay for uric acid and glucose detection based on multilayer-modified paper with smartphone as signal readout. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2647-2655.	3.7	110
3	Multi-Wall Carbon Nanotube Paste Electrode for Adsorptive Stripping Determination of Quercetin: A Comparison with Graphite Paste Electrode via Voltammetry and Chronopotentiometry. <i>Electroanalysis</i> , 2005, 17, 1681-1686.	2.9	109
4	Porous Coconut Shell Carbon Offering High Retention and Deep Lithiation of Sulfur for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33855-33862.	8.0	107
5	Study of multi-wall carbon nanotubes self-assembled electrode and its application to the determination of carbon monoxide. <i>Sensors and Actuators B: Chemical</i> , 2004, 99, 1-5.	7.8	73
6	Chirality detection of amino acid enantiomers by organic electrochemical transistor. <i>Biosensors and Bioelectronics</i> , 2018, 105, 121-128.	10.1	73
7	Corrosion inhibition of copper by sodium phytate in NaOH solution: Cyclic voltabsorptometry for in situ monitoring of soluble corrosion products. <i>Electrochimica Acta</i> , 2012, 66, 45-51.	5.2	71
8	Study of the adsorption and oxidation of antioxidant rutin by cyclic voltammetry-voltabsorptometry. <i>Bioelectrochemistry</i> , 2007, 71, 157-163.	4.6	70
9	A quercetin-modified biosensor for amperometric determination of uric acid in the presence of ascorbic acid. <i>Analytica Chimica Acta</i> , 2007, 585, 337-343.	5.4	70
10	Electrochemistry behavior of adrenalin, serotonin and ascorbic acid at novel poly rutin modified paraffin-impregnated graphite electrode. <i>Electrochimica Acta</i> , 2007, 52, 2535-2541.	5.2	63
11	Electrochemical behavior and adsorptive stripping voltammetric determination of quercetin at multi-wall carbon nanotubes-modified paraffin-impregnated graphite disk electrode. <i>Electrochimica Acta</i> , 2006, 51, 4341-4346.	5.2	61
12	Three-dimensional microfluidic paper-based device for multiplexed colorimetric detection of six metal ions combined with use of a smartphone. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6497-6508.	3.7	59
13	Multiplexed chemiluminescence determination of three acute myocardial infarction biomarkers based on microfluidic paper-based immunodevice dual amplified by multifunctionalized gold nanoparticles. <i>Talanta</i> , 2020, 207, 120346.	5.5	59
14	Potential dependence of cuprous/cupric duplex film growth on copper electrode in alkaline media. <i>Applied Surface Science</i> , 2006, 253, 689-697.	6.1	56
15	High-resolution temporally resolved chemiluminescence based on double-layered 3D microfluidic paper-based device for multiplexed analysis. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111472.	10.1	56
16	Double-layered microfluidic paper-based device with multiple colorimetric indicators for multiplexed detection of biomolecules. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 266-273.	7.8	55
17	Conductive Carbon Network inside a Sulfur-Impregnated Carbon Sponge: A Bioinspired High-Performance Cathode for Li-S Battery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22261-22269.	8.0	54
18	Voltammetric and spectral characterization of two flavonols for assay-dependent antioxidant capacity. <i>Bioelectrochemistry</i> , 2009, 75, 110-116.	4.6	48

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19	Universal pH-Responsive and Metal-Ion-Free Self-Assembly of DNA Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6892-6895.	13.8	44
20	Temporal-Spatial-Color Multiresolved Chemiluminescence Imaging for Multiplex Immunoassays Using a Smartphone Coupled with Microfluidic Chip. <i>Analytical Chemistry</i> , 2020, 92, 6827-6831.	6.5	39
21	Solid carbon paste-based amperometric sensor with electropolymerized film of 2-amino-5-mercapto-1,3,4-thiadiazole. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 480-487.	7.8	36
22	Cyclic voltammograms obtained from the optical signals: Study of the successive electro-oxidations of rutin. <i>Electrochimica Acta</i> , 2007, 52, 6665-6672.	5.2	32
23	pH universal Ru@N-doped carbon catalyst for efficient and fast hydrogen evolution. <i>Catalysis Science and Technology</i> , 2020, 10, 4405-4411.	4.1	32
24	Luminol, horseradish peroxidase, and glucose oxidase ternary functionalized graphene oxide for ultrasensitive glucose sensing. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 543-552.	3.7	31
25	Corrosion inhibition effect of sodium phytate on brass in NaOH media. Potential-resolved formation of soluble corrosion products. <i>Corrosion Science</i> , 2013, 74, 116-122.	6.6	30
26	Electrocatalysis of the first electron transfer in hydrogen evolution reaction with an atomically precise Cull-organic framework catalyst. <i>Electrochimica Acta</i> , 2019, 308, 285-294.	5.2	30
27	Tetraamino-zinc phthalocyanine covalently bound to benzoic acid-functionalized graphene composites for highly efficient visible light photocatalytic activities. <i>RSC Advances</i> , 2015, 5, 37823-37829.	3.6	29
28	Silver-promoted decarboxylative amidation of α -keto acids with amines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9970-9973.	2.8	29
29	Ru single atoms and nanoclusters on highly porous N-doped carbon as a hydrogen evolution catalyst in alkaline solutions with ultrahigh mass activity and turnover frequency. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12196-12202.	10.3	28
30	Advantageous combination of solid carbon paste and a conducting polymer film as a support of platinum electrocatalyst for methanol fuel cell. <i>Journal of Power Sources</i> , 2012, 205, 164-172.	7.8	27
31	Oxidative spectroelectrochemistry of two representative coumarins. <i>Electrochimica Acta</i> , 2011, 56, 2919-2925.	5.2	26
32	Multi-laminated copper nanoparticles deposited on conductive substrates for electrocatalytic oxidation of methanol in alkaline electrolytes. <i>Journal of Power Sources</i> , 2014, 262, 232-238.	7.8	26
33	Roles of soluble species in the alkaline oxygen evolution reaction on a nickel anode. <i>Chemical Communications</i> , 2018, 54, 10116-10119.	4.1	26
34	Coconut shell carbon nanosheets facilitating electron transfer for highly efficient visible-light-driven photocatalytic hydrogen production from water. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 17370-17379.	7.1	25
35	A nitrogen- and sulfur-rich conductive polymer for electrocatalytic evolution of hydrogen in acidic electrolytes. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14712-14719.	7.1	24
36	Study of nano-Au-assembled amperometric CO gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 866-871.	7.8	23

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37	Yolk-shell ZIF-8@ZIF-67 derived Co ₃ O ₄ @NiCo ₂ O ₄ catalysts with effective electrochemical properties for Li-O ₂ batteries. <i>Journal of Alloys and Compounds</i> , 2021, 861, 157945.	5.5	23
38	Cobalt-imidazole metal-organic framework loaded with luminol for paper-based chemiluminescence detection of catechol with use of a smartphone. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3541-3550.	3.7	23
39	Phytic acid-coated titanium as electrocatalyst of hydrogen evolution reaction in alkaline electrolyte. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 3130-3136.	7.1	22
40	Synthesis, characterization and antibacterial activity of a biocompatible silver complex based on 2,2'-bipyridine and 5-sulfoisophthalate. <i>Inorganica Chimica Acta</i> , 2016, 451, 143-147.	2.4	22
41	Copper-catalysed Decarboxylative Trifluoromethylation of α -ketoacids. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1665-1668.	4.9	22
42	Carbon-supported Pt ₅ P ₂ nanoparticles used as a high-performance electrocatalyst for the methanol oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10433-10438.	10.3	21
43	Composition-performance relationship of Ni _x Cu _y nanoalloys as hydrogen evolution electrocatalyst. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 235-241.	3.8	20
44	In situ Spectroelectrochemical Analysis of Quercetin in Acidic Medium. <i>Analytical Sciences</i> , 2009, 25, 373-377.	1.6	19
45	Enhanced sensing of ascorbic acid, dopamine and serotonin at solid carbon paste electrode with a nonionic polymer film. <i>Talanta</i> , 2010, 83, 190-196.	5.5	19
46	Voltammetry and spectroelectrochemistry of solid indigo dispersed in carbon paste. <i>Electrochimica Acta</i> , 2010, 55, 4845-4850.	5.2	18
47	Trace Fe Incorporation into Ni-(oxy)hydroxide Stabilizes Ni ³⁺ Sites for Anodic Oxygen Evolution: A Double Thin-Layer Study. <i>Langmuir</i> , 2020, 36, 5126-5133.	3.5	18
48	An ultrasensitive label-free colorimetric assay for glutathione based on Ag ⁺ regulated autocatalytic oxidation of o-phenylenediamine. <i>Talanta</i> , 2018, 186, 330-336.	5.5	17
49	One-step deposition of Ni _{1-x} Cu _x alloys with both composition gradient and morphology evolution by bipolar electrochemistry. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 213-220.	3.8	16
50	Electrical properties of scheelite structure ceramic electrolytes for solid oxide fuel cells. <i>Materials Letters</i> , 2017, 209, 525-527.	2.6	14
51	Luminol, horseradish peroxidase and antibody ternary codified gold nanoparticles for a label-free homogenous chemiluminescent immunoassay. <i>Analytical Methods</i> , 2018, 10, 722-729.	2.7	14
52	Multifunctionalized Hydrogel Beads for Label-Free Chemiluminescence Imaging Immunoassay of Acute Myocardial Infarction Biomarkers. <i>Analytical Chemistry</i> , 2022, 94, 2665-2675.	6.5	14
53	Spectroelectrochemistry of salicylaldehyde oxidation. <i>Electrochimica Acta</i> , 2014, 125, 133-140.	5.2	13
54	Time-derivative cyclic voltabsorptometry for voltammetric characterization of catechin film on a carbon-paste electrode: one voltammogram becomes four. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 679-685.	2.5	12

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55	Cu(III)-independent oxidation and sensing of glucose on multi-layer stacked copper nanoparticles. <i>Mikrochimica Acta</i> , 2015, 182, 1289-1295.	5.0	11
56	Boosting the Activity and Stability with Dual-Metal Couplings for Li-O ₂ Battery. <i>Energy and Environmental Materials</i> , 2022, 5, 918-927.	12.8	11
57	O-Fluorobenzoic Acid-Mediated Construction of Porous Graphitic Carbon Nitride with Nitrogen Defects for Multicolor Electrochemiluminescence Imaging Sensing. <i>Analytical Chemistry</i> , 2022, 94, 9306-9315.	6.5	11
58	Catalyst metal ions and luminol bifunctionalized gold nanoparticles: Unique chemiluminescence property for Cu(II) monitoring. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 352, 19-24.	3.9	10
59	Universal pH-Responsive and Metal-Ion-Free Self-Assembly of DNA Nanostructures. <i>Angewandte Chemie</i> , 2018, 130, 7008-7011.	2.0	10
60	Two new 2p-3d-4f heterometallic coordination polymers based on 3,5-pyrazoledicarboxylic acid: synthesis, crystal structures and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2013, 35, 34-37.	3.9	9
61	A chip-type thin-layer electrochemical cell coupled with capillary electrophoresis for online separation of electrode reaction products. <i>Analytica Chimica Acta</i> , 2013, 786, 159-165.	5.4	8
62	In situ monitoring of chlorpromazine radical intermediate by spectroelectrochemistry. <i>Journal of Electroanalytical Chemistry</i> , 2014, 724, 1-7.	3.8	8
63	Diffusion-restricted electrodeposition of platinum on solid carbon paste for electrocatalytic oxidation of methanol. <i>Catalysis Today</i> , 2016, 264, 198-205.	4.4	8
64	Enantioselective Conjugate Addition of Aryl Halides and Triflates to Electron-Deficient Olefins via Nickel- and Rhodium-Catalyzed Sequential Relay Reactions. <i>Organic Letters</i> , 2019, 21, 8888-8892.	4.6	8
65	High-Performance Bifunctional Ni-Fe-S Catalyst in situ Synthesized within Graphite Intergranular Nanopores for Overall Water Splitting. <i>ChemSusChem</i> , 2021, 14, 3131-3138.	6.8	8
66	Monitoring of intermediates of cloquinol electro-oxidation by thin-layer spectral and electrophoretic electrochemistry. <i>Electrochimica Acta</i> , 2014, 127, 403-409.	5.2	7
67	Development of a bipolar electrochemical flow microreactor for recovery of valuable metals from mixed solutions. <i>Chemical Engineering Journal</i> , 2020, 382, 121907.	12.7	7
68	Molybdenum carbide anchored on glucose-derived carbon (Î ² -Mo ₂ C@C) as a bifunctional catalyst for conversion of fructose to 2,5-diformylfuran. <i>Catalysis Science and Technology</i> , 2022, 12, 2903-2911.	4.1	7
69	Spectroelectrochemistry of solid indirubin and its sulfonated form. <i>Electrochimica Acta</i> , 2011, 56, 1219-1226.	5.2	6
70	Thin Layer-Based Spectral and Electrophoretic Study of Electro-Oxidation of Solid Ellagic Acid. <i>Journal of Physical Chemistry B</i> , 2014, 118, 140213143417008.	2.6	6
71	A catechin-modified carbon paste electrode for electrocatalytic determination of neurotransmitters. <i>Analytical Methods</i> , 2015, 7, 5641-5648.	2.7	6
72	Electrical and mechanical properties of Sm ₂ O ₃ doped Y-TZP electrolyte ceramics. <i>Ceramics International</i> , 2018, 44, 17033-17037.	4.8	6

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73	Synthesis and characterization of an $\text{I}^{\pm}\text{-MoO}_3$ nanobelt catalyst and its application in one-step conversion of fructose to 2,5-diformylfuran. <i>New Journal of Chemistry</i> , 2021, 45, 16482-16489.	2.8	6
74	Electrochemical oxidation of selective estrogen receptor modulator raloxifene. <i>Electrochimica Acta</i> , 2013, 96, 74-81.	5.2	5
75	Cyclic voltabsorptometry of copper nanofoil in aqueous glycine solutions. <i>Electrochimica Acta</i> , 2015, 169, 90-96.	5.2	5
76	Graphite defect network constitutes a robust and polishable matrix: Ultralow catalyst loading and excellent electrocatalytic performance. <i>Electrochimica Acta</i> , 2020, 348, 136333.	5.2	5
77	Two-Dimensional Boron and Nitrogen Dual-Doped Graphitic Carbon as an Efficient Metal-Free Cathodic Electrocatalyst for Lithium-Air Batteries. <i>ChemElectroChem</i> , 2021, 8, 949-956.	3.4	5
78	Base-Sequence-Independent Efficient Redox Switching of Self-Assembled DNA Nanocages. <i>ChemBioChem</i> , 2019, 20, 2743-2746.	2.6	4
79	Indirect electrodeposition of a $\text{NiMo@Ni(OH)}_2\text{MoO}_3$ composite catalyst for superior hydrogen production in acidic and alkaline electrolytes. <i>Renewable Energy</i> , 2022, 191, 370-379.	8.9	4
80	Area-Step Cyclic Voltammetry for Assessing Local Electrocatalytic Activity of Gradient Materials. <i>ChemElectroChem</i> , 2019, 6, 5237-5241.	3.4	3
81	Nano-CuI Catalyzed Cross-Coupling Reaction of Phenols with Nitroarenes. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 1021.	1.3	3
82	Bipolar electrodeposition of gradient polypyrrole films as a catalyst matrix for anodic ethanol oxidation. <i>Materials Chemistry and Physics</i> , 2022, 277, 125527.	4.0	3
83	The Central Role of Nitrogen Atoms in a Zeolitic Imidazolate Framework-Derived Catalyst for Cathodic Hydrogen Evolution. <i>ChemSusChem</i> , 2021, 14, 3926-3934.	6.8	2
84	Self-Motion of Water Droplets along a Spacing Gradient of Micropillar Arrays on Copper. <i>Langmuir</i> , 2022, 38, 4111-4120.	3.5	2
85	Chronoamperometric Curves Obtained from Optical Absorption Signals. <i>Chinese Journal of Analytical Chemistry</i> , 2008, 36, 537-540.	1.7	1
86	Hydrogen atom transfer in the oxidation of alkylbenzenesulfonates by ferrate(vi) in aqueous solutions. <i>Dalton Transactions</i> , 2021, 50, 715-721.	3.3	1
87	In situ formation of a nickel-iron-sulfur bifunctional catalyst within a porous polythiophene coating for water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 17630-17639.	7.1	1
88	Progress of GATA6 in liver development. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2018, 40, 22-32.	0.2	1