

Jian-Bo He

List of Publications by Year in descending order

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88
papers

2,390
citations

201674

27
h-index

233421

45
g-index

89
all docs

89
docs citations

89
times ranked

3094
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosting the Activity and Stability with Dual Co^{II} Couplings for Li-O_2 Battery. Energy and Environmental Materials, 2022, 5, 918-927.	12.8	11
2	Bipolar electrodeposition of gradient polypyrrole films as a catalyst matrix for anodic ethanol oxidation. Materials Chemistry and Physics, 2022, 277, 125527.	4.0	3
3	Multifunctionalized Hydrogel Beads for Label-Free Chemiluminescence Imaging Immunoassay of Acute Myocardial Infarction Biomarkers. Analytical Chemistry, 2022, 94, 2665-2675.	6.5	14
4	Molybdenum carbide anchored on glucose-derived carbon ($\text{Mo}_2\text{C}@C$) as a bifunctional catalyst for conversion of fructose to 2,5-diformylfuran. Catalysis Science and Technology, 2022, 12, 2903-2911.	4.1	7
5	Self-Motion of Water Droplets along a Spacing Gradient of Micropillar Arrays on Copper. Langmuir, 2022, 38, 4111-4120.	3.5	2
6	Indirect electrodeposition of a $\text{NiMo@Ni(OH)}_2\text{MoO}_4$ composite catalyst for superior hydrogen production in acidic and alkaline electrolytes. Renewable Energy, 2022, 191, 370-379.	8.9	4
7	In situ formation of a nickel-iron-sulfur bifunctional catalyst within a porous polythiophene coating for water electrolysis. International Journal of Hydrogen Energy, 2022, 47, 17630-17639.	7.1	1
8	O-Fluorobenzoic Acid-Mediated Construction of Porous Graphitic Carbon Nitride with Nitrogen Defects for Multicolor Electrochemiluminescence Imaging Sensing. Analytical Chemistry, 2022, 94, 9306-9315.	6.5	11
9	Yolk-shell ZIF-8@ZIF-67 derived $\text{Co}_3\text{O}_4@\text{NiCo}_2\text{O}_4$ catalysts with effective electrochemical properties for Li-O_2 batteries. Journal of Alloys and Compounds, 2021, 861, 157945.	5.5	23
10	Hydrogen atom transfer in the oxidation of alkylbenzenesulfonates by ferrate(vi) in aqueous solutions. Dalton Transactions, 2021, 50, 715-721.	3.3	1
11	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. Journal of Materials Chemistry A, 2021, 9, 12196-12202.	10.3	28
12	Synthesis and characterization of an Fe-MoO_3 nanobelt catalyst and its application in one-step conversion of fructose to 2,5-diformylfuran. New Journal of Chemistry, 2021, 45, 16482-16489.	2.8	6
13	Cobalt-imidazole metal-organic framework loaded with luminol for paper-based chemiluminescence detection of catechol with use of a smartphone. Analytical and Bioanalytical Chemistry, 2021, 413, 3541-3550.	3.7	23
14	Two-Dimensional Boron and Nitrogen Dual-Doped Graphitic Carbon as an Efficient Metal-Free Cathodic Electrocatalyst for Lithium-Air Batteries. ChemElectroChem, 2021, 8, 949-956.	3.4	5
15	High-Performance Bifunctional $\text{Ni}^{\text{II}}\text{Fe}^{\text{II}}\text{S}$ Catalyst in situ Synthesized within Graphite Intergranular Nanopores for Overall Water Splitting. ChemSusChem, 2021, 14, 3131-3138.	6.8	8
16	The Central Role of Nitrogen Atoms in a Zeolitic Imidazolate Framework-Derived Catalyst for Cathodic Hydrogen Evolution. ChemSusChem, 2021, 14, 3926-3934.	6.8	2
17	Development of a bipolar electrochemical flow microreactor for recovery of valuable metals from mixed solutions. Chemical Engineering Journal, 2020, 382, 121907.	12.7	7
18	Multiplexed chemiluminescence determination of three acute myocardial infarction biomarkers based on microfluidic paper-based immunodevice dual amplified by multifunctionalized gold nanoparticles. Talanta, 2020, 207, 120346.	5.5	59

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	Area-Step Cyclic Voltammetry for Assessing Local Electrocatalytic Activity of Gradient Materials. <i>ChemElectroChem</i> , 2019, 6, 5237-5241.	3.4	3
28	Base-Sequence-Independent Efficient Redox Switching of Self-Assembled DNA Nanocages. <i>ChemBioChem</i> , 2019, 20, 2743-2746.	2.6	4
29	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
30	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
31	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
32	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
33	Chirality detection of amino acid enantiomers by organic electrochemical transistor. <i>Biosensors and Bioelectronics</i> , 2018, 105, 121-128.	10.1	73
34	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
35	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
36	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

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37	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
38	Universal pH-Responsive and Metal-Ion-Free Self-Assembly of DNA Nanostructures. <i>Angewandte Chemie</i> , 2018, 130, 7008-7011.	2.0	10
39	One-step deposition of Ni-Cu alloys with both composition gradient and morphology evolution by bipolar electrochemistry. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 213-220.	3.8	16
40	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
41	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
42	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
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	Electrical properties of scheelite structure ceramic electrolytes for solid oxide fuel cells. <i>Materials Letters</i> , 2017, 209, 525-527.	2.6	14
45	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
46	Copper-Catalysed Decarboxylative Trifluoromethylation of α -Ketoacids. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1665-1668.	4.9	22
47	Silver-promoted decarboxylative amidation of α -keto acids with amines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9970-9973.	2.8	29
48	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
49	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
50	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
51	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
52	Nano-CuI Catalyzed Cross-Coupling Reaction of Phenols with Nitroarenes. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 1021.	1.3	3
53	A catechin-modified carbon paste electrode for electrocatalytic determination of neurotransmitters. <i>Analytical Methods</i> , 2015, 7, 5641-5648.	2.7	6
54	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

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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	Cyclic voltabsorptometry of copper nanofoil in aqueous glycine solutions. <i>Electrochimica Acta</i> , 2015, 169, 90-96.	5.2	5
57	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
58	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
59	Spectroelectrochemistry of salicylaldehyde oxidation. <i>Electrochimica Acta</i> , 2014, 125, 133-140.	5.2	13
60	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
61	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
62	In situ monitoring of chlorpromazine radical intermediate by spectroelectrochemistry. <i>Journal of Electroanalytical Chemistry</i> , 2014, 724, 1-7.	3.8	8
63	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
64	Two new 2pâ€“3dâ€“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
65	Electrochemical oxidation of selective estrogen receptor modulator raloxifene. <i>Electrochimica Acta</i> , 2013, 96, 74-81.	5.2	5
66	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
67	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
68	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
69	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
70	Spectroelectrochemistry of solid indirubin and its sulfonated form. <i>Electrochimica Acta</i> , 2011, 56, 1219-1226.	5.2	6
71	Oxidative spectroelectrochemistry of two representative coumarins. <i>Electrochimica Acta</i> , 2011, 56, 2919-2925.	5.2	26
72	Voltammetry and spectroelectrochemistry of solid indigo dispersed in carbon paste. <i>Electrochimica Acta</i> , 2010, 55, 4845-4850.	5.2	18

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73	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
74	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
75	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
76	Voltammetric and spectral characterization of two flavonols for assay-dependent antioxidant capacity. <i>Bioelectrochemistry</i> , 2009, 75, 110-116.	4.6	48
77	In situ Spectroelectrochemical Analysis of Quercetin in Acidic Medium. <i>Analytical Sciences</i> , 2009, 25, 373-377.	1.6	19
78	Chronoamperometric Curves Obtained from Optical Absorption Signals. <i>Chinese Journal of Analytical Chemistry</i> , 2008, 36, 537-540.	1.7	1
79	Study of the adsorption and oxidation of antioxidant rutin by cyclic voltammetry and voltabsorptometry. <i>Bioelectrochemistry</i> , 2007, 71, 157-163.	4.6	70
80	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
81	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
82	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
83	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
84	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
85	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
86	Study of nano-Au-assembled amperometric CO gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 866-871.	7.8	23
87	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
88	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