

# Jianzhi Huang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81  
papers

1,555  
citations

19  
h-index

37  
g-index

87  
ext. papers

1,953  
ext. citations

5.7  
avg, IF

5.17  
L-index

#	Paper	IF	Citations
81	Oxygen-rich bismuth oxyhalides: generalized one-pot synthesis, band structures and visible-light photocatalytic properties. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 22840		225
80	Electrochemical Exfoliation of Pillared-Layer Metal-Organic Framework to Boost the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 4632-4636	16.4	198
79	Electrochemical Exfoliation of Pillared-Layer Metal-Organic Framework to Boost the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 4722-4726	3.6	63
78	Fast and selective detection of mercury ions in environmental water by paper-based fluorescent sensor using boronic acid functionalized MoS quantum dots. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 381, 120969	12.8	61
77	Label-Free Simultaneous Analysis of Fe(III) and Ascorbic Acid Using Fluorescence Switching of Ultrathin Graphitic Carbon Nitride Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 26118-26127	9.5	59
76	Variations in Surface Morphologies, Properties, and Electrochemical Responses to Nitro-Analyte by Controlled Electropolymerization of Thiophene Derivatives. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 11319-11327	9.5	53
75	Self-cleaned electrochemical protein imprinting biosensor basing on a thermo-responsive memory hydrogel. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 99, 136-141	11.8	50
74	Simultaneous electrochemical determination of nitrophenol isomers with the polyfurfural film modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , <b>2015</b> , 743, 105-111	4.1	43
73	Mass production of tunable multicolor graphene quantum dots from an energy resource of coke by a one-step electrochemical exfoliation. <i>Carbon</i> , <b>2018</b> , 140, 508-520	10.4	40
72	A highly sensitive metronidazole sensor based on a Pt nanospheres/polyfurfural film modified electrode. <i>RSC Advances</i> , <b>2017</b> , 7, 535-542	3.7	34
71	Near-infrared light-responsive electrochemical protein imprinting biosensor based on a shape memory conducting hydrogel. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 131, 156-162	11.8	34
70	Rethinking Co(CO <sub>3</sub> ) <sub>0.5</sub> (OH)·1.1H <sub>2</sub> O: a new property for highly selective electrochemical reduction of carbon dioxide to methanol in aqueous solution. <i>Green Chemistry</i> , <b>2018</b> , 20, 2967-2972	10	34
69	Boosting CHOH Production in Electrocatalytic CO Reduction over Partially Oxidized 5 nm Cobalt Nanoparticles Dispersed on Single-Layer Nitrogen-Doped Graphene. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 44403-44414	9.5	34
68	Ultrasensitive electrochemical determination of metronidazole based on polydopamine/carboxylic multi-walled carbon nanotubes nanocomposites modified GCE. <i>Journal of Pharmaceutical Analysis</i> , <b>2018</b> , 8, 124-130	14	33
67	Nanosized Difunctional Photo Responsive Magnetic Imprinting Polymer for Electrochemically Monitored Light-Driven Paracetamol Extraction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 44114-44123	9.5	31
66	Study on the polyfurfural film modified glassy carbon electrode and its application in polyphenols determination. <i>Journal of Electroanalytical Chemistry</i> , <b>2012</b> , 687, 25-29	4.1	30
65	A novel electrochemical strategy based on porous 3D graphene-starch architecture and silver deposition for ultrasensitive detection of neuron-specific enolase. <i>Analyst, The</i> , <b>2019</b> , 144, 2186-2194	5	26

64	Electrochemical synthesis of a nanocomposite consisting of carboxy-modified multi-walled carbon nanotubes, polythionine and platinum nanoparticles for simultaneous voltammetric determination of myricetin and rutin. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 414	5.8	23
63	Metallic nanocrystallites-incorporated ordered mesoporous carbon as labels for a sensitive simultaneous multianalyte electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 73, 71-78	11.8	21
62	Single Organic Droplet Collision Voltammogram via Electron Transfer Coupled Ion Transfer. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9284-9291	7.8	19
61	Glassy Carbon Electrode Modified with Citrate Stabilized Gold Nanoparticles for Sensitive Arsenic (III) Detection. <i>Analytical Letters</i> , <b>2012</b> , 45, 1184-1196	2.2	19
60	High sensitivity chlorogenic acid detection based on multiple layer-by-layer self-assembly films of chitosan and multi-walled carbon nanotubes on a glassy carbon electrode. <i>RSC Advances</i> , <b>2017</b> , 7, 6950-6956	3.7	18
59	A renewable, flexible and robust single layer nitrogen-doped graphene coating Sn foil for boosting formate production from electrocatalytic CO <sub>2</sub> reduction. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2019</b> , 33, 166-170	7.6	18
58	Polyfurfural film modified glassy carbon electrode for highly sensitive nifedipine determination. <i>Electrochimica Acta</i> , <b>2015</b> , 186, 465-470	6.7	18
57	A nanospherical conjugated microporous polymer-graphene nanosheets modified molecularly imprinted electrochemical sensor for high sensitivity detection of $\beta$ -Synuclein. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 862, 113994	4.1	18
56	Highly sensitive simultaneous electrochemical determination of myricetin and rutin via solid phase extraction on a ternary Pt@r-GO@MWCNTs nanocomposite. <i>Journal of Pharmaceutical Analysis</i> , <b>2019</b> , 9, 358-366	14	17
55	Preparation of Gas-Responsive Imprinting Hydrogel and Their Gas-Driven Switchable Affinity for Target Protein Recognition. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 24363-24369	9.5	16
54	Polyfurfural-Electrochemically Reduced Graphene Oxide Modified Glassy Carbon Electrode for the Direct Determination of Nitrofurazone. <i>Analytical Letters</i> , <b>2018</b> , 51, 728-741	2.2	16
53	Coordination matrix/signal amplifier strategy for simultaneous electrochemical determination of cadmium(II), lead(II), copper(II), and mercury(II) ions based on polyfurfural film/multi-walled carbon nanotube modified electrode. <i>RSC Advances</i> , <b>2017</b> , 7, 28556-28563	3.7	16
52	Application of Coal in Electrochemical Sensing. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 8358-8365	7.8	15
51	A highly sensitive morin sensor based on PEDT@Au/rGO nanocomposites modified glassy carbon electrode. <i>RSC Advances</i> , <b>2017</b> , 7, 47781-47788	3.7	14
50	A simultaneous study of kinetics and thermodynamics of anion transfer across the liquid/liquid interface by means of Fourier transformed large-amplitude square-wave voltammetry at three-phase electrode. <i>Langmuir</i> , <b>2010</b> , 26, 19209-16	4	14
49	Estimation of the kinetics of anion transfer across the liquid/liquid interface, by means of Fourier transformed square-wave voltammetry. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 1333-1336	5.1	14
48	Voltammetric determination of levofloxacin using silver nanoparticles deposited on a thin nickel oxide porous film. <i>Mikrochimica Acta</i> , <b>2018</b> , 186, 21	5.8	14
47	An electro-responsive imprinted biosensor with switchable affinity toward proteins. <i>Chemical Communications</i> , <b>2018</b> , 54, 9163-9166	5.8	13

46	Molecularly imprinted electrochemical sensor for advanced diagnosis of alpha-fetoprotein. <i>Analytical Methods</i> , <b>2016</b> , 8, 7361-7368	3.2	11
45	A dual-signal self-checking photoelectrochemical immunosensor based on the sole composite of MIL-101(Cr) and CdSe quantum dots for the detection of $\alpha$ -fetoprotein. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 189, 113389	11.8	11
44	A Snapshot of the Properties of Single Nanoparticles at the Moment of a Collision. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 9523-7	4.8	10
43	Preparation and Characterization of the Fluorescent Carbon Dots Derived from the Lithium-Intercalated Graphite used for Cell Imaging. <i>Particle and Particle Systems Characterization</i> , <b>2014</b> , 31, 771-777	3.1	10
42	Glassy carbon electrode modified with organic/organic pillared montmorillonites for voltammetric detection of mercury. <i>Mikrochimica Acta</i> , <b>2011</b> , 172, 335-341	5.8	10
41	High sensitivity simultaneous determination of myricetin and rutin using a polyfurfural film modified glassy carbon electrode. <i>RSC Advances</i> , <b>2016</b> , 6, 95435-95441	3.7	10
40	Direct Electrocatalytic Oxidation and Simultaneous Determination of 5-Methylcytosine and Cytosine at Electrochemically Reduced Graphene Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , <b>2013</b> , 25, 1697-1705	3	9
39	An electrochemical sensor based on the modification of platinum nanoparticles and ZIF-8 membrane for the detection of ascorbic acid. <i>Talanta</i> , <b>2021</b> , 226, 122105	6.2	9
38	Voltammetric and microscopical investigation of the properties and behaviors of individual mercury micro-droplets. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 784, 145-152	4.1	8
37	Electrochemical sensor for sensitive detection of luteolin based on multi-walled carbon nanotubes/poly(3,4-ethylenedioxythiophene)/gold nanocomposites. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 1953-1961	3.6	8
36	Effect of forced convection on the collision and interaction between nanoparticles and ultramicroelectrode. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 467, 158-164	9.3	8
35	Improved performance of cobalt-based spinel by the simple solvothermal method as electrocatalyst for oxygen reduction reaction in alkaline solution. <i>Ionics</i> , <b>2016</b> , 22, 1425-1432	2.7	8
34	Ultrasensitive Determination of Human Chorionic Gonadotropin using a Molecularly Imprinted Electrochemical Sensor. <i>ChemistrySelect</i> , <b>2017</b> , 2, 6549-6555	1.8	8
33	High selectivity sensing of bovine serum albumin: The combination of glass nanopore and molecularly imprinted technology. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 178, 113056	11.8	8
32	Effect of Morphology of $\gamma$ -MnO <sub>2</sub> on Hydrogen Peroxide Sensing. <i>ChemistrySelect</i> , <b>2019</b> , 4, 4035-4043	1.8	7
31	Co-precipitation spray-drying synthesis and electrochemical performance of stabilized LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> cathode materials. <i>Journal of Solid State Electrochemistry</i> , <b>2018</b> , 22, 1963-1969	2.6	7
30	Bifunctional wood for electrocatalytic CO <sub>2</sub> reduction to formate and electroanalytical detection of myricetin and cadmium (II). <i>Electrochimica Acta</i> , <b>2019</b> , 319, 569-576	6.7	7
29	Direct determination of oxalic acid by a bare platinum electrode contrasting a platinum nanoparticles-modified glassy carbon electrode. <i>Journal of Experimental Nanoscience</i> , <b>2016</b> , 11, 1242-1252	1.9	7

28	Enhancing the analytical selectivity of voltammetric technique by the combination of harmonic analysis and "fingerprint" phase angle lock-in detection. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 83-90	7.8	6
27	A Fourier Transform-Induced Data Process for Label-Free Selective Nanopore Analysis under Sinusoidal Voltage Excitations. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 11635-11643	7.8	5
26	Facile electrochemical method and corresponding automated instrument for the detection of furfural in insulation oil. <i>Talanta</i> , <b>2016</b> , 148, 412-8	6.2	4
25	Approach for discrimination and quantification of electroactive species: kinetics difference revealed by higher harmonics of Fourier transformed sinusoidal voltammetry. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 448-56	7.8	4
24	Porous carbon derived from ZIF-8 modified molecularly imprinted electrochemical sensor for the detection of tert-butyl hydroquinone (TBHQ) in edible oil. <i>Food Chemistry</i> , <b>2021</b> , 365, 130462	8.5	4
23	DNA intrastrand cross-links induced by the purine-type deoxyguanosine-8-yl radical: a DFT study. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 16621-16628	3.6	3
22	Fabrication and Characterization of LaF <sub>3</sub> /Titania Nanotube Array Electrode for Determination of Fluoride Using a Headspace Single-Drop Microextraction System. <i>Analytical Letters</i> , <b>2012</b> , 45, 2455-2466 <sup>2.2</sup>		3
21	Simple and ultrasensitive electrochemical sensor for oxalic acid detection in real samples by one step co-electrodeposition strategy. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 5719-5727	4.4	3
20	An Electropolymerized Molecularly Imprinted Electrochemical Sensor for the Selective Determination of Bisphenol A Diglycidyl Ether. <i>ChemistrySelect</i> , <b>2020</b> , 5, 3574-3580	1.8	2
19	A Label-Free Electrochemical Immunosensor for Clostridium Difficile Toxin B Based on One-Step Immobilization of Thionine in a Silica Matrix. <i>Analytical Letters</i> , <b>2014</b> , 47, 2255-2265	2.2	2
18	Free-enzymatic Indirect Detection of Malathion by SiC@CuO-NPs Composite Nanomaterial Modified Glassy Carbon Electrode. <i>ChemistrySelect</i> , <b>2021</b> , 6, 4056-4062	1.8	2
17	Simple Copper Nanoparticle/Polyfurfural Film Modified Electrode for the Determination of 2, 4, 6-Trinitrotoluene (TNT). <i>Analytical Letters</i> , <b>2020</b> , 53, 2671-2684	2.2	2
16	Electrochemical Determination of Hydrogen Peroxide and Glucose by Titanium(IV) Oxide Nanotube Arrays. <i>Analytical Letters</i> , <b>2015</b> , 48, 1698-1706	2.2	1
15	Ion Transfer-Resolved Fusion Impacts of Single Droplets Probed at the Liquid/Liquid Interface. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 15394-15402	7.8	1
14	A Highly Sensitive Determination of Parathion Pesticide by Solid-Phase Extraction on a Silicon Carbide Nanoparticles Modified Electrode. <i>ChemistrySelect</i> , <b>2018</b> , 3, 11510-11516	1.8	1
13	Electrochemical Polymerization Induced Chirality Fixation of Crystalline Pillararene-Based Polymer and Its Application in Interfacial Chiral Sensing. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 9965-9969	7.8	1
12	Confined Synthesis of Silver Wire at the Nanopipette-Liquid/Liquid Interface. <i>Langmuir</i> , <b>2021</b> , 37, 10741-10749 <sup>1</sup>		1
11	One-Dimensional Nanowire Hybrids Constructed from Silver Nanowire and Carboxylic Multi-Walled Carbon Nanotubes for Electrochemical Simultaneous Determination of Guanine and Adenine. <i>ChemistrySelect</i> , <b>2018</b> , 3, 8514-8521	1.8	0

10	A highly sensitive non-enzymatic glucose sensor based on CuNi nanoalloys through one-step electrodeposition strategy. <i>Journal of Applied Electrochemistry</i> , <b>2022</b> , 52, 895	2.6	o
9	A ferrocene-linked metal-covalent organic polymer as a peroxidase-enzyme mimic for dual channel detection of hydrogen peroxide. <i>Analyst, The</i> , <b>2021</b> , 146, 487-494	5	o
8	Ion Selective Detection Based on the Nuances of the Kinetic Fingerprint for Ion Transfer at Soft Interfaces. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 3353-3361	7.8	o
7	Graphitic Carbon Nitride Quantum Dots in Dual-Mode Fluorescence Switching Platforms for Trace Analysis of Ag(I) and L-Cysteine. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 4230-4240	5.6	o
6	Mechanism studies of addition reactions between the pyrimidine type radicals and their 3'5' neighboring deoxyguanosines.. <i>RSC Advances</i> , <b>2018</b> , 8, 2777-2785	3.7	
5	Comparative electrochemistry of haemoglobin on the long and ball milling shortened carbon nanotubes. <i>Journal of Experimental Nanoscience</i> , <b>2014</b> , 9, 249-260	1.9	
4	A Novel Electrochemiluminescence Sensor Based on Titanate Nanotubes with Excellent Adsorption Capability Towards Ru(bpy) <sub>3</sub> <sup>2+</sup> . <i>Analytical Letters</i> , <b>2011</b> , 44, 1217-1225	2.2	
3	3D carbonized wood-based integrated electrochemical immunosensor for ultrasensitive detection of procalcitonin antigen. <i>Talanta</i> , <b>2022</b> , 238, 122991	6.2	
2	Study on the photoelectrical performance of anodized titanium sheets. <i>Royal Society Open Science</i> , <b>2021</b> , 8, 201778	3.3	
1	Polythionine Coated on Au/Co <sub>3</sub> O <sub>4</sub> Enhances the Performance for Hydrogen Evolution Reaction. <i>Nano</i> , <b>2021</b> , 16, 2150055	1.1	