

# Jianzhi Huang

## List of Publications by Year in descending order

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87  
papers

2,339  
citations

236612

25  
h-index

223531

46  
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87  
all docs

87  
docs citations

87  
times ranked

3136  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Exfoliation of Pillared Layer Metal-Organic Framework to Boost the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4632-4636.	7.2	275
2	Oxygen-rich bismuth oxyhalides: generalized one-pot synthesis, band structures and visible-light photocatalytic properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 22840.	6.7	268
3	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> , 2018, 10, 26118-26127.	4.0	95
4	Fast and selective detection of mercury ions in environmental water by paper-based fluorescent sensor using boronic acid functionalized MoS <sub>2</sub> quantum dots. <i>Journal of Hazardous Materials</i> , 2020, 381, 120969.	6.5	88
5	Electrochemical Exfoliation of Pillared Layer Metal-Organic Framework to Boost the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2018, 130, 4722-4726.	1.6	86
6	Variations in Surface Morphologies, Properties, and Electrochemical Responses to Nitro-Analyte by Controlled Electropolymerization of Thiophene Derivatives. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 11319-11327.	4.0	70
7	Mass production of tunable multicolor graphene quantum dots from an energy resource of coke by a one-step electrochemical exfoliation. <i>Carbon</i> , 2018, 140, 508-520.	5.4	68
8	Self-cleaned electrochemical protein imprinting biosensor basing on a thermo-responsive memory hydrogel. <i>Biosensors and Bioelectronics</i> , 2018, 99, 136-141.	5.3	67
9	Near-infrared light-responsive electrochemical protein imprinting biosensor based on a shape memory conducting hydrogel. <i>Biosensors and Bioelectronics</i> , 2019, 131, 156-162.	5.3	60
10	Boosting CH <sub>3</sub> OH Production in Electrocatalytic CO <sub>2</sub> Reduction over Partially Oxidized 5 nm Cobalt Nanoparticles Dispersed on Single-Layer Nitrogen-Doped Graphene. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 44403-44414.	4.0	56
11	Rethinking Co(CO <sub>3</sub> ) <sub>0.5</sub> (OH)·0.11H <sub>2</sub> O: a new property for highly selective electrochemical reduction of carbon dioxide to methanol in aqueous solution. <i>Green Chemistry</i> , 2018, 20, 2967-2972.	4.6	55
12	Simultaneous electrochemical determination of nitrophenol isomers with the polyfurfural film modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2015, 743, 105-111.	1.9	54
13	Ultrasensitive electrochemical determination of metronidazole based on polydopamine/carboxylic multi-walled carbon nanotubes nanocomposites modified GCE. <i>Journal of Pharmaceutical Analysis</i> , 2018, 8, 124-130.	2.4	53
14	A highly sensitive metronidazole sensor based on a Pt nanospheres/polyfurfural film modified electrode. <i>RSC Advances</i> , 2017, 7, 535-542.	1.7	45
15	A dual-signal self-checking photoelectrochemical immunosensor based on the sole composite of MIL-101(Cr) and CdSe quantum dots for the detection of Î±-fetoprotein. <i>Biosensors and Bioelectronics</i> , 2021, 189, 113389.	5.3	43
16	A nanospherical conjugated microporous polymer-graphene nanosheets modified molecularly imprinted electrochemical sensor for high sensitivity detection of Î±-Synuclein. <i>Journal of Electroanalytical Chemistry</i> , 2020, 862, 113994.	1.9	42
17	An electrochemical sensor based on the modification of platinum nanoparticles and ZIF-8 membrane for the detection of ascorbic acid. <i>Talanta</i> , 2021, 226, 122105.	2.9	41
18	Nanosized Difunctional Photo Responsive Magnetic Imprinting Polymer for Electrochemically Monitored Light-Driven Paracetamol Extraction. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44114-44123.	4.0	39

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19	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> , 2018, 185, 414.	2.5	38
20	A novel electrochemical strategy based on porous 3D graphene-starch architecture and silver deposition for ultrasensitive detection of neuron-specific enolase. <i>Analyst</i> , The, 2019, 144, 2186-2194.	1.7	38
21	Study on the polyfurfural film modified glassy carbon electrode and its application in polyphenols determination. <i>Journal of Electroanalytical Chemistry</i> , 2012, 687, 25-29.	1.9	35
22	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> , 2021, 365, 130462.	4.2	34
23	Single Organic Droplet Collision Voltammogram via Electron Transfer Coupled Ion Transfer. <i>Analytical Chemistry</i> , 2017, 89, 9284-9291.	3.2	32
24	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> , 2019, 9, 358-366.	2.4	31
25	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> , 2019, 33, 166-170.	3.3	27
26	Preparation of Gas-Responsive Imprinting Hydrogel and Their Gas-Driven Switchable Affinity for Target Protein Recognition. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24363-24369.	4.0	26
27	Polyfurfural-Electrochemically Reduced Graphene Oxide Modified Glassy Carbon Electrode for the Direct Determination of Nitrofurazone. <i>Analytical Letters</i> , 2018, 51, 728-741.	1.0	25
28	Glassy Carbon Electrode Modified with Citrate Stabilized Gold Nanoparticles for Sensitive Arsenic (III) Detection. <i>Analytical Letters</i> , 2012, 45, 1184-1196.	1.0	24
29	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> , 2017, 7, 6950-6956.	1.7	23
30	Metallic nanocrystallites-incorporated ordered mesoporous carbon as labels for a sensitive simultaneous multianalyte electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2015, 73, 71-78.	5.3	22
31	Polyfurfural film modified glassy carbon electrode for highly sensitive nifedipine determination. <i>Electrochimica Acta</i> , 2015, 186, 465-470.	2.6	22
32	Voltammetric determination of levofloxacin using silver nanoparticles deposited on a thin nickel oxide porous film. <i>Mikrochimica Acta</i> , 2019, 186, 21.	2.5	21
33	High selectivity sensing of bovine serum albumin: The combination of glass nanopore and molecularly imprinted technology. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113056.	5.3	21
34	Coordination matrix/signal amplifier strategy for simultaneous electrochemical determination of cadmium( <sup>2+</sup> ), lead( <sup>2+</sup> ), copper( <sup>2+</sup> ), and mercury( <sup>2+</sup> ) ions based on polyfurfural film/multi-walled carbon nanotube modified electrode. <i>RSC Advances</i> , 2017, 7, 28556-28563.	1.7	20
35	Molecularly imprinted electrochemical sensor for advanced diagnosis of alpha-fetoprotein. <i>Analytical Methods</i> , 2016, 8, 7361-7368.	1.3	19
36	A highly sensitive morin sensor based on PEDTâ€‘Au/rGO nanocomposites modified glassy carbon electrode. <i>RSC Advances</i> , 2017, 7, 47781-47788.	1.7	19

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37	Application of Coal in Electrochemical Sensing. <i>Analytical Chemistry</i> , 2017, 89, 8358-8365.	3.2	19
38	An electro-responsive imprinted biosensor with switchable affinity toward proteins. <i>Chemical Communications</i> , 2018, 54, 9163-9166.	2.2	16
39	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> , 2010, 26, 19209-19216.	1.6	15
40	A Snapshot of the Properties of Single Nanoparticles at the Moment of a Collision. <i>Chemistry - A European Journal</i> , 2016, 22, 9523-9527.	1.7	15
41	Estimation of the kinetics of anion transfer across the liquid/liquid interface, by means of Fourier transformed square-wave voltammetry. <i>Electrochemistry Communications</i> , 2009, 11, 1333-1336.	2.3	14
42	High sensitivity simultaneous determination of myricetin and rutin using a polyfurfural film modified glassy carbon electrode. <i>RSC Advances</i> , 2016, 6, 95435-95441.	1.7	14
43	Simple and ultrasensitive electrochemical sensor for oxalic acid detection in real samples by one step co-electrodeposition strategy. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5719-5727.	1.9	13
44	Electrochemical sensor for sensitive detection of luteolin based on multi-walled carbon nanotubes/poly(3,4-ethylenedioxythiophene)â€“gold nanocomposites. <i>New Journal of Chemistry</i> , 2020, 44, 1953-1961.	1.4	13
45	Glassy carbon electrode modified with organicâ€“inorganic pillared montmorillonites for voltammetric detection of mercury. <i>Mikrochimica Acta</i> , 2011, 172, 335-341.	2.5	11
46	Ultrasensitive Determination of Human Chorionic Gonadotropin using a Molecularly Imprinted Electrochemical Sensor. <i>ChemistrySelect</i> , 2017, 2, 6549-6555.	0.7	11
47	Direct Electrocatalytic Oxidation and Simultaneous Determination of 5â€“Methylcytosine and Cytosine at Electrochemically Reduced Graphene Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2013, 25, 1697-1705.	1.5	10
48	Preparation and Characterization of the Fluorescent Carbon Dots Derived from the Lithiumâ€“intercalated Graphite used for Cell Imaging. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 771-777.	1.2	10
49	Effect of forced convection on the collision and interaction between nanoparticles and ultramicroelectrode. <i>Journal of Colloid and Interface Science</i> , 2016, 467, 158-164.	5.0	10
50	Improved performance of cobalt-based spinel by the simple solvothermal method as electrocatalyst for oxygen reduction reaction in alkaline solution. <i>Ionics</i> , 2016, 22, 1425-1432.	1.2	10
51	Bifunctional wood for electrocatalytic CO <sub>2</sub> reduction to formate and electroanalytical detection of myricetin and cadmium (II). <i>Electrochimica Acta</i> , 2019, 319, 569-576.	2.6	10
52	Effect of Morphology of $\gamma$ -MnO <sub>2</sub> on Hydrogen Peroxide Sensing. <i>ChemistrySelect</i> , 2019, 4, 4035-4043.	0.7	10
53	Voltammetric and microscopical investigation of the properties and behaviors of individual mercury micro-droplets. <i>Journal of Electroanalytical Chemistry</i> , 2017, 784, 145-152.	1.9	9
54	A Fourier Transform-Induced Data Process for Label-Free Selective Nanopore Analysis under Sinusoidal Voltage Excitations. <i>Analytical Chemistry</i> , 2020, 92, 11635-11643.	3.2	9

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55	Electrochemical Polymerization Induced Chirality Fixation of Crystalline Pillararene-Based Polymer and Its Application in Interfacial Chiral Sensing. <i>Analytical Chemistry</i> , 2021, 93, 9965-9969.	3.2	9
56	Electrochemiluminescent sensor based on an aggregation-induced emission probe for bioanalytical detection. <i>Analyst, The</i> , 2022, 147, 2338-2354.	1.7	9
57	A ferrocene-linked metal-covalent organic polymer as a peroxidase-enzyme mimic for dual channel detection of hydrogen peroxide. <i>Analyst, The</i> , 2021, 146, 487-494.	1.7	8
58	Enhancing the Analytical Selectivity of Voltammetric Technique by the Combination of Harmonic Analysis and "Fingerprint" Phase Angle Lock-in Detection. <i>Analytical Chemistry</i> , 2013, 85, 83-90.	3.2	7
59	Direct determination of oxalic acid by a bare platinum electrode contrasting a platinum nanoparticles-modified glassy carbon electrode. <i>Journal of Experimental Nanoscience</i> , 2016, 11, 1242-1252.	1.3	7
60	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> , 2018, 22, 1963-1969.	1.2	7
61	3D carbonized wood-based integrated electrochemical immunosensor for ultrasensitive detection of prolactin antigen. <i>Talanta</i> , 2022, 238, 122991.	2.9	7
62	Highly selective simultaneous determination of isoniazid and acetaminophen using black phosphorus nanosheets electrochemical sensor. <i>Electrochimica Acta</i> , 2022, 426, 140775.	2.6	7
63	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> , 2012, 45, 2455-2466.	1.0	6
64	Facile electrochemical method and corresponding automated instrument for the detection of furfural in insulation oil. <i>Talanta</i> , 2016, 148, 412-418.	2.9	6
65	Simple Copper Nanoparticle/Polyfurfural Film Modified Electrode for the Determination of 2, 4, 6-Trinitrotoluene (TNT). <i>Analytical Letters</i> , 2020, 53, 2671-2684.	1.0	6
66	A highly sensitive non-enzymatic glucose sensor based on CuNi nanoalloys through one-step electrodeposition strategy. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 895-905.	1.5	6
67	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> , 2022, 5, 4230-4240.	2.4	6
68	Approach for Discrimination and Quantification of Electroactive Species: Kinetics Difference Revealed by Higher Harmonics of Fourier Transformed Sinusoidal Voltammetry. <i>Analytical Chemistry</i> , 2015, 87, 448-456.	3.2	5
69	DNA intrastrand cross-links induced by the purine-type deoxyguanosine-8-yl radical: a DFT study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16621-16628.	1.3	5
70	Ion Transfer-Resolved Fusion Impacts of Single Droplets Probed at the Liquid/Liquid Interface. <i>Analytical Chemistry</i> , 2020, 92, 15394-15402.	3.2	5
71	An Electropolymerized Molecularly Imprinted Electrochemical Sensor for the Selective Determination of Bisphenol A Diglycidyl Ether. <i>ChemistrySelect</i> , 2020, 5, 3574-3580.	0.7	5
72	Free-enzymatic Indirect Detection of Malathion by SiC@CuO NPs Composite Nanomaterial Modified Glassy Carbon Electrode. <i>ChemistrySelect</i> , 2021, 6, 4056-4062.	0.7	5

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73	Studies on the Morphology Effect on Catalytic Ability of a Single MnO <sub>2</sub> Catalyst Particle with a Solid Nanopipette. ACS Sensors, 2022, 7, 338-344.	4.0	5
74	A Label-Free Electrochemical Immunosensor for Clostridium Difficile Toxin B Based on One-Step Immobilization of Thionine in a Silica Matrix. Analytical Letters, 2014, 47, 2255-2265.	1.0	4
75	Defined Ion-Transfer Voltammetry of a Single Microdroplet at a Polarized Liquid/Liquid Interface. Analytical Chemistry, 2022, 94, 1850-1858.	3.2	4
76	A Highly Sensitive Determination of Parathion Pesticide by Solid-Phase Extraction on a Silicon Carbide Nanoparticles Modified Electrode. ChemistrySelect, 2018, 3, 11510-11516.	0.7	3
77	One-Dimensional Nanowire Hybrids Constructed from Silver Nanowire and Carboxylic Multi-Walled Carbon Nanotubes for Electrochemical Simultaneous Determination of Guanine and Adenine. ChemistrySelect, 2018, 3, 8514-8521.	0.7	2
78	Ion Selective Detection Based on the Nuances of the Kinetic Fingerprint for Ion Transfer at Soft Interfaces. Analytical Chemistry, 2021, 93, 3353-3361.	3.2	2
79	Electrochemical Determination of Hydrogen Peroxide and Glucose by Titanium(IV) Oxide Nanotube Arrays. Analytical Letters, 2015, 48, 1698-1706.	1.0	1
80	Confined Synthesis of Silver Wire at the Nanopipette-Liquid/Liquid Interface. Langmuir, 2021, 37, 10741-10749.	1.6	1
81	A Novel Electrochemiluminescence Sensor Based on Titanate Nanotubes with Excellent Adsorption Capability Towards Ru(bpy) <sub>3</sub> <sup>2+</sup> . Analytical Letters, 2011, 44, 1217-1225.	1.0	0
82	Comparative electrochemistry of haemoglobin on the long and ball milling shortened carbon nanotubes. Journal of Experimental Nanoscience, 2014, 9, 249-260.	1.3	0
83	Mechanism studies of addition reactions between the pyrimidine type radicals and their 3' and 5' neighboring deoxyguanosines. RSC Advances, 2018, 8, 2777-2785.	1.7	0
84	Study on the photoelectrical performance of anodized titanium sheets. Royal Society Open Science, 2021, 8, 201778.	1.1	0
85	Polythionine Coated on Au/Co <sub>3</sub> O <sub>4</sub> Enhances the Performance for Hydrogen Evolution Reaction. Nano, 2021, 16, 2150055.	0.5	0
86	Sensitive Detection of 8-Hydroxyquinoline in Cosmetics by Using a Poly(tannic acid)-Modified Glassy Carbon Electrode. ChemistrySelect, 2022, 7, .	0.7	0
87	Photocatalytic degradation of oxytetracycline using Zeolite Imidazole Framework-8 (ZIF-8) as an effective catalyst. Nano, 0, , .	0.5	0