

Jianzhi Huang

List of Publications by Year in Descending Order

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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	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	2.6	0
80	3D carbonized wood-based integrated electrochemical immunosensor for ultrasensitive detection of procalcitonin antigen. <i>Talanta</i> , 2022 , 238, 122991	6.2	
79	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	5.6	0
78	Study on the photoelectrical performance of anodized titanium sheets. <i>Royal Society Open Science</i> , 2021 , 8, 201778	3.3	
77	Free-enzymatic Indirect Detection of Malathion by SiC@CuO-NPs Composite Nanomaterial Modified Glassy Carbon Electrode. <i>ChemistrySelect</i> , 2021 , 6, 4056-4062	1.8	2
76	Polythionine Coated on Au/Co ₃ O ₄ Enhances the Performance for Hydrogen Evolution Reaction. <i>Nano</i> , 2021 , 16, 2150055	1.1	
75	High selectivity sensing of bovine serum albumin: The combination of glass nanopore and molecularly imprinted technology. <i>Biosensors and Bioelectronics</i> , 2021 , 178, 113056	11.8	8
74	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	6.2	9
73	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	5	0
72	Ion Selective Detection Based on the Nuances of the Kinetic Fingerprint for Ion Transfer at Soft Interfaces. <i>Analytical Chemistry</i> , 2021 , 93, 3353-3361	7.8	0
71	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	7.8	1
70	Confined Synthesis of Silver Wire at the Nanopipette-Liquid/Liquid Interface. <i>Langmuir</i> , 2021 , 37, 10741-10749	10.749	1
69	A dual-signal self-checking photoelectrochemical immunosensor based on the sole composite of MIL-101(Cr) and CdSe quantum dots for the detection of Hefetoprotein. <i>Biosensors and Bioelectronics</i> , 2021 , 189, 113389	11.8	11
68	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	8.5	4
67	Preparation of Gas-Responsive Imprinting Hydrogel and Their Gas-Driven Switchable Affinity for Target Protein Recognition. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24363-24369	9.5	16
66	A nanospherical conjugated microporous polymer-graphene nanosheets modified molecularly imprinted electrochemical sensor for high sensitivity detection of β -Synuclein. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 862, 113994	4.1	18
65	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> , 2020 , 44, 1953-1961	3.6	8

64	An Electropolymerized Molecularly Imprinted Electrochemical Sensor for the Selective Determination of Bisphenol A Diglycidyl Ether. <i>ChemistrySelect</i> , 2020 , 5, 3574-3580	1.8	2
63	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	4.4	3
62	Ion Transfer-Resolved Fusion Impacts of Single Droplets Probed at the Liquid/Liquid Interface. <i>Analytical Chemistry</i> , 2020 , 92, 15394-15402	7.8	1
61	A Fourier Transform-Induced Data Process for Label-Free Selective Nanopore Analysis under Sinusoidal Voltage Excitations. <i>Analytical Chemistry</i> , 2020 , 92, 11635-11643	7.8	5
60	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> , 2020 , 381, 120969	12.8	61
59	Simple Copper Nanoparticle/Polyfurfural Film Modified Electrode for the Determination of 2, 4, 6-Trinitrotoluene (TNT). <i>Analytical Letters</i> , 2020 , 53, 2671-2684	2.2	2
58	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> , 2019 , 144, 2186-2194	5	26
57	A renewable, flexible and robust single layer nitrogen-doped graphene coating Sn foil for boosting formate production from electrocatalytic CO ₂ reduction. <i>Journal of CO₂ Utilization</i> , 2019 , 33, 166-170	7.6	18
56	Near-infrared light-responsive electrochemical protein imprinting biosensor based on a shape memory conducting hydrogel. <i>Biosensors and Bioelectronics</i> , 2019 , 131, 156-162	11.8	34
55	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	14	17
54	Effect of Morphology of γ -MnO ₂ on Hydrogen Peroxide Sensing. <i>ChemistrySelect</i> , 2019 , 4, 4035-4043	1.8	7
53	Bifunctional wood for electrocatalytic CO ₂ reduction to formate and electroanalytical detection of myricetin and cadmium (II). <i>Electrochimica Acta</i> , 2019 , 319, 569-576	6.7	7
52	Electrochemical Exfoliation of Pillared-Layer Metal-Organic Framework to Boost the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4632-4636	16.4	198
51	Co-precipitation spray-drying synthesis and electrochemical performance of stabilized LiNi _{0.5} Mn _{1.5} O ₄ cathode materials. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 1963-1969	2.6	7
50	Rethinking Co(CO ₃) _{0.5} (OH)·1.1H ₂ 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	10	34
49	Electrochemical Exfoliation of Pillared-Layer Metal-Organic Framework to Boost the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2018 , 130, 4722-4726	3.6	63
48	Mechanism studies of addition reactions between the pyrimidine type radicals and their 3'5' neighboring deoxyguanosines.. <i>RSC Advances</i> , 2018 , 8, 2777-2785	3.7	
47	Variations in Surface Morphologies, Properties, and Electrochemical Responses to Nitro-Analyte by Controlled Electropolymerization of Thiophene Derivatives. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11319-11327	9.5	53

46	Self-cleaned electrochemical protein imprinting biosensor basing on a thermo-responsive memory hydrogel. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 136-141	11.8	50
45	Polyfurfural-Electrochemically Reduced Graphene Oxide Modified Glassy Carbon Electrode for the Direct Determination of Nitrofurazone. <i>Analytical Letters</i> , 2018 , 51, 728-741	2.2	16
44	Label-Free Simultaneous Analysis of Fe(III) and Ascorbic Acid Using Fluorescence Switching of Ultrathin Graphitic Carbon Nitride Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26118-26127	9.5	59
43	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	5.8	23
42	An electro-responsive imprinted biosensor with switchable affinity toward proteins. <i>Chemical Communications</i> , 2018 , 54, 9163-9166	5.8	13
41	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> , 2018 , 3, 8514-8521	1.8	0
40	Voltammetric determination of levofloxacin using silver nanoparticles deposited on a thin nickel oxide porous film. <i>Mikrochimica Acta</i> , 2018 , 186, 21	5.8	14
39	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	14	33
38	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 & Interfaces</i> , 2018 , 10, 44403-44414	9.5	34
37	A Highly Sensitive Determination of Parathion Pesticide by Solid-Phase Extraction on a Silicon Carbide Nanoparticles Modified Electrode. <i>ChemistrySelect</i> , 2018 , 3, 11510-11516	1.8	1
36	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	10.4	40
35	Voltammetric and microscopical investigation of the properties and behaviors of individual mercury micro-droplets. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 784, 145-152	4.1	8
34	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	3.7	18
33	A highly sensitive metronidazole sensor based on a Pt nanospheres/polyfurfural film modified electrode. <i>RSC Advances</i> , 2017 , 7, 535-542	3.7	34
32	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	3.6	3
31	A highly sensitive morin sensor based on PEDTAu/rGO nanocomposites modified glassy carbon electrode. <i>RSC Advances</i> , 2017 , 7, 47781-47788	3.7	14
30	Ultrasensitive Determination of Human Chorionic Gonadotropin using a Molecularly Imprinted Electrochemical Sensor. <i>ChemistrySelect</i> , 2017 , 2, 6549-6555	1.8	8
29	Single Organic Droplet Collision Voltammogram via Electron Transfer Coupled Ion Transfer. <i>Analytical Chemistry</i> , 2017 , 89, 9284-9291	7.8	19

28	Nanosized Difunctional Photo Responsive Magnetic Imprinting Polymer for Electrochemically Monitored Light-Driven Paracetamol Extraction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44114-44123	8.5	31
27	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> , 2017 , 7, 28556-28563	3.7	16
26	Application of Coal in Electrochemical Sensing. <i>Analytical Chemistry</i> , 2017 , 89, 8358-8365	7.8	15
25	A Snapshot of the Properties of Single Nanoparticles at the Moment of a Collision. <i>Chemistry - A European Journal</i> , 2016 , 22, 9523-7	4.8	10
24	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	9.3	8
23	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	2.7	8
22	Facile electrochemical method and corresponding automated instrument for the detection of furfural in insulation oil. <i>Talanta</i> , 2016 , 148, 412-8	6.2	4
21	Molecularly imprinted electrochemical sensor for advanced diagnosis of alpha-fetoprotein. <i>Analytical Methods</i> , 2016 , 8, 7361-7368	3.2	11
20	High sensitivity simultaneous determination of myricetin and rutin using a polyfurfural film modified glassy carbon electrode. <i>RSC Advances</i> , 2016 , 6, 95435-95441	3.7	10
19	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	1.9	7
18	Electrochemical Determination of Hydrogen Peroxide and Glucose by Titanium(IV) Oxide Nanotube Arrays. <i>Analytical Letters</i> , 2015 , 48, 1698-1706	2.2	1
17	Polyfurfural film modified glassy carbon electrode for highly sensitive nifedipine determination. <i>Electrochimica Acta</i> , 2015 , 186, 465-470	6.7	18
16	Metallic nanocrystallites-incorporated ordered mesoporous carbon as labels for a sensitive simultaneous multianalyte electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2015 , 73, 71-78	11.8	21
15	Simultaneous electrochemical determination of nitrophenol isomers with the polyfurfural film modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 743, 105-111	4.1	43
14	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, 448-56	7.8	4
13	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> , 2014 , 47, 2255-2265	2.2	2
12	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> , 2014 , 31, 771-777	3.1	10
11	Comparative electrochemistry of haemoglobin on the long and ball milling shortened carbon nanotubes. <i>Journal of Experimental Nanoscience</i> , 2014 , 9, 249-260	1.9	

10	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	7.8	6
9	Direct Electrocatalytic Oxidation and Simultaneous Determination of 5-Methylcytosine and Cytosine at Electrochemically Reduced Graphene Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2013 , 25, 1697-1705	3	9
8	Oxygen-rich bismuth oxyhalides: generalized one-pot synthesis, band structures and visible-light photocatalytic properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22840		225
7	Fabrication and Characterization of LaF ₃ /Titania Nanotube Array Electrode for Determination of Fluoride Using a Headspace Single-Drop Microextraction System. <i>Analytical Letters</i> , 2012 , 45, 2455-2466 ^{2.2}		3
6	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	4.1	30
5	Glassy Carbon Electrode Modified with Citrate Stabilized Gold Nanoparticles for Sensitive Arsenic (III) Detection. <i>Analytical Letters</i> , 2012 , 45, 1184-1196	2.2	19
4	Glassy carbon electrode modified with organic/inorganic pillared montmorillonites for voltammetric detection of mercury. <i>Mikrochimica Acta</i> , 2011 , 172, 335-341	5.8	10
3	A Novel Electrochemiluminescence Sensor Based on Titanate Nanotubes with Excellent Adsorption Capability Towards Ru(bpy) ₃ ²⁺ . <i>Analytical Letters</i> , 2011 , 44, 1217-1225	2.2	
2	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, 19209-16	4	14
1	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	5.1	14