

Junjie Fei

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.

69

papers

1,326

citations

20

h-index

34

g-index

74

ext. papers

1,776

ext. citations

5.5

avg, IF

4.86

L-index

#	Paper	IF	Citations
69	Electrocatalytic oxidation of formic acid on Pd/CNTs nanocatalysts synthesized in special non-aqueous system. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 906, 115980	4.1	2
68	Ultrasensitive luteolin electrochemical sensor based on zeolitic imidazolate frameworks-derived cobalt trioxide @ nitrogen doped carbon nanotube/amino-functionalized graphene quantum dots composites modified glass carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2022 , 351, 130938	8.5	1
67	A high-sensitive dopamine electrochemical sensor based on multilayer Ti ₃ C ₂ MXene, graphitized multi-walled carbon nanotubes and ZnO nanospheres. <i>Microchemical Journal</i> , 2022 , 178, 107410	4.8	5
66	Switched electrochemical sensor for hydroquinone based on rGO@Au, monoclinic BiVO ₄ and temperature-sensitive polymer composite material. <i>Microchemical Journal</i> , 2022 , 179, 107412	4.8	3
65	A novel catechin electrochemical sensor based on a two-dimensional MOFs material derivative Zn doped carbon nanosheets and multi-walled carbon nanotubes composite film.. <i>Talanta</i> , 2022 , 246, 123520	6.2	1
64	An ultra-sensitive kaempferol electrochemical sensor based on flower-like ZIF-8 pyrolysis-derived ZnWO ₄ /porous nanocarbon composites. <i>Microchemical Journal</i> , 2022 , 179, 107519	4.8	0
63	A non-enzymatic photoelectrochemical sensor based on g-CN@CNT heterojunction for sensitive detection of antioxidant gallic acid in food.. <i>Food Chemistry</i> , 2022 , 389, 133086	8.5	2
62	One-step synthesis in deep eutectic solvents of Pt ₃ Sn ₁ -SnO ₂ alloy nanopore on carbon nanotubes for boosting electro-catalytic methanol oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 887, 115164	4.1	5
61	Synaptic Iontronic Devices for Brain-Mimicking Functions: Fundamentals and Applications.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 71-84	4.1	5
60	Carbon-supported Au-doped N-C-coated CoFe alloy nanocomposite electrocatalysts for BH ₄ ⁻ electrooxidation. <i>Ionics</i> , 2021 , 27, 1233-1241	2.7	
59	Monitoring the Fluctuation of Hydrogen Peroxide in Diabetes and Its Complications with a Novel Near-Infrared Fluorescent Probe. <i>Analytical Chemistry</i> , 2021 , 93, 3301-3307	7.8	28
58	Accurate Fluorescence Diagnosis of Cancer Based on Sequential Detection of Hydrogen Sulfide and pH. <i>Analytical Chemistry</i> , 2021 , 93, 11826-11835	7.8	6
57	A novel strategy to synthesize Pt/CNTs nanocatalyst with highly improved activity for methanol electrooxidation. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 897, 115557	4.1	3
56	An ultrasensitive high-performance baicalin sensor based on C ₃ N ₄ -SWCNTs/reduced graphene oxide/cyclodextrin metal-organic framework nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2021 , 350, 130853	8.5	2
55	Selective determination of epinephrine using electrochemical sensor based on ordered mesoporous carbon / nickel oxide nanocomposite. <i>Talanta</i> , 2021 , 233, 122545	6.2	12
54	Carbon-supported Au modified N-doped carbon-coated FeMn alloy nanoparticle composites for BH ₄ ⁻ electrocatalytic oxidation. <i>New Journal of Chemistry</i> , 2020 , 44, 9870-9877	3.6	2
53	High electrocatalytic activity of carbon-supported nickel hydroxide-doped platinum nanocatalysts for BH ₄ ⁻ electrooxidation. <i>Ionics</i> , 2020 , 26, 5133-5141	2.7	

52	A Novel Self-protection Hydroquinone Electrochemical Sensor Based on Thermo-sensitive Triblock Polymer PS-PNIPAm-PS. <i>Electroanalysis</i> , 2020 , 32, 1354-1363	3	3
51	Ultra-sensitive amperometric determination of quercetin by using a glassy carbon electrode modified with a nanocomposite prepared from aminated graphene quantum dots, thiolated β -cyclodextrin and gold nanoparticles. <i>Mikrochimica Acta</i> , 2020 , 187, 130	5.8	15
50	N-Doped carbon-supported Au-modified NiFe alloy nanoparticle composite catalysts for BH ₄ ⁻ electrooxidation. <i>New Journal of Chemistry</i> , 2020 , 44, 6940-6946	3.6	3
49	DNA/RNA chimera-templated copper nanoclusters for label-free detection of reverse transcription-associated ribonuclease H. <i>Sensors and Actuators B: Chemical</i> , 2020 , 316, 128072	8.5	10
48	A novel thermo-controlled acetaminophen electrochemical sensor based on carboxylated multi-walled carbon nanotubes and thermosensitive polymer. <i>Diamond and Related Materials</i> , 2020 , 107, 107877	3.5	10
47	Ultrasensitive non-enzymatic pesticide electrochemical sensor based on HKUST-1-derived copper oxide @ mesoporous carbon composite. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127478	8.5	32
46	Near-Infrared Fluorescence MOF Nanoprobe for Adenosine Triphosphate-Guided Imaging in Colitis. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 47840-47847	9.5	15
45	Carbon supported PdSn nanoparticle electrocatalysts for efficient borohydride electrooxidation. <i>New Journal of Chemistry</i> , 2020 , 44, 13472-13479	3.6	1
44	Novel Strategy for Validating the Existence and Mechanism of the "Gut-Liver Axis" in Vivo by a Hypoxia-Sensitive NIR Fluorescent Probe. <i>Analytical Chemistry</i> , 2020 , 92, 4244-4250	7.8	21
43	Single-Carbon-Fiber-Powered Microsensor for In Vivo Neurochemical Sensing with High Neuronal Compatibility. <i>Angewandte Chemie</i> , 2020 , 132, 22841-22847	3.6	5
42	Single-Carbon-Fiber-Powered Microsensor for In Vivo Neurochemical Sensing with High Neuronal Compatibility. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22652-22658	16.4	16
41	A novel ultrasensitive electrochemical quercetin sensor based on MoS ₂ - carbon nanotube @ graphene oxide nanoribbons / HS-cyclodextrin / graphene quantum dots composite film. <i>Sensors and Actuators B: Chemical</i> , 2019 , 299, 126997	8.5	40
40	Electrochemical dopamine sensor based on the use of a thermosensitive polymer and an nanocomposite prepared from multiwalled carbon nanotubes and graphene oxide. <i>Mikrochimica Acta</i> , 2019 , 186, 134	5.8	30
39	Temperature-induced amperometric glucose biosensor based on a poly(N-vinylcaprolactam)/graphene oxide composite film. <i>Analyst, The</i> , 2019 , 144, 1960-1967	5	11
38	Sensitive electrochemical sensor based on poly(L-glutamic acid)/graphene oxide composite material for simultaneous detection of heavy metal ions.. <i>RSC Advances</i> , 2019 , 9, 17325-17334	3.7	23
37	Carbon-supported Ni(OH) ₂ nanospheres decorated with Au nanoparticles: a promising catalyst for BH ₄ ⁻ electrooxidation. <i>Ionics</i> , 2019 , 25, 5153-5161	2.7	1
36	A triple signal amplification method for chemiluminescent detection of the cancer marker microRNA-21. <i>Mikrochimica Acta</i> , 2019 , 186, 410	5.8	10
35	Biological Applications of Organic Electrochemical Transistors: Electrochemical Biosensors and Electrophysiology Recording. <i>Frontiers in Chemistry</i> , 2019 , 7, 313	5	44

34	Carbon-supported Pd-Co nanocatalyst as highly active anodic electrocatalyst for direct borohydride/hydrogen peroxide fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 1739-1748	2.6	6
33	Carbon-supported Co(OH) ₂ coated with Au nanoparticle composites as an efficient catalyst for BH ₄ ⁻ electrooxidation. <i>New Journal of Chemistry</i> , 2019 , 43, 7694-7700	3.6	0
32	Stimuli-enabled switch-like paracetamol electrochemical sensor based on thermosensitive polymer and MWCNTs-GQDs composite nanomaterial. <i>Nanoscale</i> , 2019 , 11, 7394-7403	7.7	34
31	An ultrasensitive electrochemical sensor for quercetin based on 1-pyrenebutyrate functionalized reduced oxide graphene /mercapto-β-cyclodextrin /Au nanoparticles composite film. <i>Sensors and Actuators B: Chemical</i> , 2019 , 288, 88-95	8.5	22
30	Highly Sensitive Temperature-responsive Sensor Based on PS-PDEA-PS/C60-MWCNTs for Reversible Switch Detection of Catechol. <i>Electroanalysis</i> , 2019 , 31, 913-921	3	15
29	In-Situ Imaging of Azoreductase Activity in the Acute and Chronic Ulcerative Colitis Mice by a Near-Infrared Fluorescent Probe. <i>Analytical Chemistry</i> , 2019 , 91, 10901-10907	7.8	42
28	A hepatocyte-targeting near-infrared ratiometric fluorescent probe for monitoring peroxynitrite during drug-induced hepatotoxicity and its remediation. <i>Chemical Communications</i> , 2019 , 55, 14307-14310	5.8	44
27	Switched voltammetric determination of ractopamine by using a temperature-responsive sensing film. <i>Mikrochimica Acta</i> , 2018 , 185, 155	5.8	20
26	Reversible Switched pH-Responsive Hydroquinone Electrochemical Sensor Based on Composite Film of Polystyrene-b-Poly (Acrylic Acid) and Graphene Oxide. <i>Electroanalysis</i> , 2018 , 30, 2888-2898	3	6
25	Real-Time Monitoring ATP in Mitochondrion of Living Cells: A Specific Fluorescent Probe for ATP by Dual Recognition Sites. <i>Analytical Chemistry</i> , 2017 , 89, 1749-1756	7.8	113
24	Highly Selective Cerebral ATP Assay Based on Micrometer Scale Ion Current Rectification at Polyimidazolium-Modified Micropipettes. <i>Analytical Chemistry</i> , 2017 , 89, 6794-6799	7.8	26
23	Facile and Sensitive Near-Infrared Fluorescence Probe for the Detection of Endogenous Alkaline Phosphatase Activity In Vivo. <i>Analytical Chemistry</i> , 2017 , 89, 6854-6860	7.8	128
22	A Galactose Oxidase Biosensor Based on Graphene Composite Film for the Determination of Galactose and Dihydroxyacetone. <i>Electroanalysis</i> , 2016 , 28, 183-188	3	12
21	Reversible Switched Detection of Dihydroxybenzenes Using a Temperature-sensitive Electrochemical Sensing Film. <i>Electrochimica Acta</i> , 2016 , 192, 158-166	6.7	19
20	Green synthesis of graphitic carbon nitride nanodots using sodium chloride template. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	6
19	Near-Infrared Fluorescent Probe with High Quantum Yield and Its Application in the Selective Detection of Glutathione in Living Cells and Tissues. <i>Analytical Chemistry</i> , 2016 , 88, 9746-9752	7.8	93
18	Temperature-responsive amperometric H ₂ O ₂ biosensor using a composite film consisting of poly(N-isopropylacrylamide)-b-poly (2-acrylamidoethyl benzoate), graphene oxide and hemoglobin. <i>Mikrochimica Acta</i> , 2016 , 183, 2501-2508	5.8	19
17	Direct electrochemistry and electrocatalysis of hemoglobin on a glassy carbon electrode modified with poly(ethylene glycol diglycidyl ether) and gold nanoparticles on a quaternized cellulose support. A sensor for hydrogen peroxide and nitric oxide. <i>Mikrochimica Acta</i> , 2014 , 181, 1541-1549	5.8	13

16	Carbon nanomaterial based electrochemical sensors for biogenic amines. <i>Mikrochimica Acta</i> , 2013 , 180, 935-956	5.8	57
15	Electrochemical biosensing platform based on a hemocyanin@Au@QC NP@carbon black hybrid nano-composite film. <i>Analytical Methods</i> , 2013 , 5, 3168	3.2	3
14	Direct electrochemistry of cytochrome P450 in a biocompatible film composed of an epoxy polymer and acetylene black. <i>Mikrochimica Acta</i> , 2012 , 176, 397-404	5.8	10
13	Voltammetric determination of cadmium (II) based on a composite film of a thiol-functionalized mesoporous molecular sieve and an ionic liquid. <i>Mikrochimica Acta</i> , 2011 , 172, 387-393	5.8	12
12	Trace determination of zirconium by adsorptive anodic stripping voltammetry of its complex with alizarin violet using a glassy carbon electrode modified with acetylene black-dihexadecyl hydrogen phosphate composite film. <i>Mikrochimica Acta</i> , 2011 , 175, 233-240	5.8	5
11	Determination of Trace Aluminum by Anodic Adsorptive Stripping Voltammetry Using a Multi-Walled Carbon Nanotube Modified Carbon Paste Electrode. <i>Analytical Letters</i> , 2011 , 44, 1521-1535 ^{2.2}	2.2	7
10	Acetylene black-ionic liquids composite electrode: a novel platform for electrochemical sensing. <i>Mikrochimica Acta</i> , 2010 , 170, 165-170	5.8	17
9	Reagentless Biosensor for Hydrogen Peroxide Based on the Immobilization of Hemoglobin in Platinum Nanoparticles Enhanced Poly(chloromethyl thiirane) Cross-linked Chitosan Hybrid Film. <i>Electroanalysis</i> , 2009 , 21, 1424-1431	3	9
8	Voltammetric determination of trace doxorubicin at a nano-titania/nafion composite film modified electrode in the presence of cetyltrimethylammonium bromide. <i>Mikrochimica Acta</i> , 2009 , 164, 85-91	5.8	35
7	Simultaneous determination of dopamine and serotonin using a carbon nanotubes-ionic liquid gel modified glassy carbon electrode. <i>Mikrochimica Acta</i> , 2009 , 165, 373-379	5.8	78
6	Electrochemical determination diethylstilbestrol by a single-walled carbon nanotube/platinum nanoparticle composite film electrode. <i>Journal of Applied Electrochemistry</i> , 2008 , 38, 1527-1533	2.6	20
5	Determination of Trace Copper by Adsorptive Voltammetry Using a Multiwalled Carbon Nanotube Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2008 , 20, 1215-1219	3	17
4	Study on the electrochemical behavior and differential pulse voltammetric determination of rhein using a nanoparticle composite film-modified electrode. <i>Bioelectrochemistry</i> , 2007 , 70, 369-74	5.6	16
3	Glucose nanosensors based on redox polymer/glucose oxidase modified carbon fiber nanoelectrodes. <i>Talanta</i> , 2005 , 65, 918-24	6.2	37
2	Adsorptive Catalytic Voltammetry of Physcion in the Presence of Dissolved Oxygen at a Carbon Paste Electrode. <i>Mikrochimica Acta</i> , 2005 , 150, 125-130	5.8	5
1	ADSORPTIVE STRIPPING VOLTAMMETRIC STUDY OF SCANDIUM-ALIZARIN COMPLEXAN COMPLEX AT A CARBON PASTE ELECTRODE. <i>Analytical Letters</i> , 2002 , 35, 1361-1372	2.2	7