

Junjie Fei

List of Publications by Year in descending order

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74
papers

2,251
citations

236833

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233338

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all docs

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docs citations

74
times ranked

2455
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.2	163
2	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.	3.2	154
3	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.	3.2	122
4	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.	3.2	110
5	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.	2.5	92
6	Biological Applications of Organic Electrochemical Transistors: Electrochemical Biosensors and Electrophysiology Recording. <i>Frontiers in Chemistry</i> , 2019, 7, 313.	1.8	85
7	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.	4.0	74
8	Carbon nanomaterial based electrochemical sensors for biogenic amines. <i>Mikrochimica Acta</i> , 2013, 180, 935-956.	2.5	72
9	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.	2.3	66
10	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.	3.2	64
11	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.	2.2	61
12	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.	4.0	60
13	Stimuli-enabled switch-like paracetamol electrochemical sensor based on thermosensitive polymer and MWCNTs-GQDs composite nanomaterial. <i>Nanoscale</i> , 2019, 11, 7394-7403.	2.8	55
14	Highly Selective Cerebral ATP Assay Based on Micrometer Scale Ion Current Rectification at Polyimidazolium-Modified Micropipettes. <i>Analytical Chemistry</i> , 2017, 89, 6794-6799.	3.2	48
15	Sensitive electrochemical sensor based on poly(<i>l</i> -glutamic acid)/graphene oxide composite material for simultaneous detection of heavy metal ions. <i>RSC Advances</i> , 2019, 9, 17325-17334.	1.7	47
16	Single-Carbon-Fiber-Powered Microsensor for In Vivo Neurochemical Sensing with High Neuronal Compatibility. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22652-22658.	7.2	43
17	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.	2.5	42
18	Selective determination of epinephrine using electrochemical sensor based on ordered mesoporous carbon / nickel oxide nanocomposite. <i>Talanta</i> , 2021, 233, 122545.	2.9	42

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19	Glucose nanosensors based on redox polymer/glucose oxidase modified carbon fiber nanoelectrodes. <i>Talanta</i> , 2005, 65, 918-924.	2.9	41
20	Electrochemical dopamine sensor based on the use of a thermosensitive polymer and a nanocomposite prepared from multiwalled carbon nanotubes and graphene oxide. <i>Mikrochimica Acta</i> , 2019, 186, 134.	2.5	41
21	Accurate Fluorescence Diagnosis of Cancer Based on Sequential Detection of Hydrogen Sulfide and pH. <i>Analytical Chemistry</i> , 2021, 93, 11826-11835.	3.2	41
22	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.	4.0	36
23	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.	3.2	36
24	Near-Infrared Fluorescence MOF Nanoprobe for Adenosine Triphosphate-Guided Imaging in Colitis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47840-47847.	4.0	30
25	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.	2.5	30
26	Switched voltammetric determination of ractopamine by using a temperature-responsive sensing film. <i>Mikrochimica Acta</i> , 2018, 185, 155.	2.5	26
27	An ultrasensitive high-performance baicalin sensor based on C3N4-SWCNTs/reduced graphene oxide/cyclodextrin metal-organic framework nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130853.	4.0	26
28	Electrochemical determination diethylstilbestrol by a single-walled carbon nanotube/platinum nanoparticle composite film electrode. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 1527-1533.	1.5	25
29	Synaptic Iontronic Devices for Brain-Mimicking Functions: Fundamentals and Applications. <i>ACS Applied Bio Materials</i> , 2021, 4, 71-84.	2.3	25
30	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.	2.5	24
31	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.	4.0	24
32	Reversible Switched Detection of Dihydroxybenzenes Using a Temperature-sensitive Electrochemical Sensing Film. <i>Electrochimica Acta</i> , 2016, 192, 158-166.	2.6	21
33	Determination of Trace Copper by Adsorptive Voltammetry Using a Multiwalled Carbon Nanotube Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2008, 20, 1215-1219.	1.5	20
34	Acetylene black-ionic liquids composite electrode: a novel platform for electrochemical sensing. <i>Mikrochimica Acta</i> , 2010, 170, 165-170.	2.5	20
35	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.	1.8	20
36	Highly Sensitive Temperature-responsive Sensor Based on PS- <i>b</i> -PDEA- <i>b</i> -PSt- <i>b</i> -MWCNTs for Reversible Switch Detection of Catechol. <i>Electroanalysis</i> , 2019, 31, 913-921.	1.5	19

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37	Study on the electrochemical behavior and differential pulse voltammetric determination of rhein using a nanoparticle composite film-modified electrode. <i>Bioelectrochemistry</i> , 2007, 70, 369-374.	2.4	18
38	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.	2.5	17
39	An ultra-sensitive dopamine photoelectrochemical sensing platform based on two-dimensional Zn carbon nanosheets, hollow Cu ₂ O and CdTe QDs composite films. <i>Carbon</i> , 2022, 198, 101-109.	5.4	17
40	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.	2.5	16
41	A non-enzymatic photoelectrochemical sensor based on g-C ₃ N ₄ @CNT heterojunction for sensitive detection of antioxidant gallic acid in food. <i>Food Chemistry</i> , 2022, 389, 133086.	4.2	16
42	A Galactose Oxidase Biosensor Based on Graphene Composite Film for the Determination of Galactose and Dihydroxyacetone. <i>Electroanalysis</i> , 2016, 28, 183-188.	1.5	15
43	Green synthesis of graphitic carbon nitride nanodots using sodium chloride template. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	14
44	Temperature-induced amperometric glucose biosensor based on a poly(vinylcaprolactam)/graphene oxide composite film. <i>Analyst</i> , 2019, 144, 1960-1967.	1.7	14
45	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.	4.0	14
46	A triple signal amplification method for chemiluminescent detection of the cancer marker microRNA-21. <i>Mikrochimica Acta</i> , 2019, 186, 410.	2.5	12
47	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.	1.9	11
48	A novel strategy to synthesize Pt/CNTs nanocatalyst with highly improved activity for methanol electrooxidation. <i>Journal of Electroanalytical Chemistry</i> , 2021, 897, 115557.	1.9	11
49	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.	2.9	11
50	A novel kaempferol electrochemical sensor based on glass carbon electrode modified by poly (3,4-ethylenedioxythiophene)/carbon nanotubes composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 649, 129484.	2.3	11
51	ADSORPTIVE STRIPPING VOLTAMMETRIC STUDY OF SCANDIUM-ALIZARIN COMPLEX AT A CARBON PASTE ELECTRODE. <i>Analytical Letters</i> , 2002, 35, 1361-1372.	1.0	10
52	Reagentless Biosensor for Hydrogen Peroxide Based on the Immobilization of Hemoglobin in Platinum Nanoparticles Enhanced Poly(chloromethyl thiirane) Crosslinked Chitosan Hybrid Film. <i>Electroanalysis</i> , 2009, 21, 1424-1431.	1.5	10
53	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.	2.5	10
54	A dual-response fluorescent probe for simultaneously monitoring polarity and ATP during autophagy. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4285-4292.	2.9	10

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55	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.	1.2	9
56	Singleâ€Carbonâ€Fiberâ€Powered Microsensor for In Vivo Neurochemical Sensing with High Neuronal Compatibility. <i>Angewandte Chemie</i> , 2020, 132, 22841-22847.	1.6	9
57	Adsorptive Catalytic Voltammetry of Physcion in the Presence of Dissolved Oxygen at a Carbon Paste Electrode. <i>Mikrochimica Acta</i> , 2005, 150, 125-130.	2.5	8
58	Reversible Switched pHâ€Responsive Hydroquinone Electrochemical Sensor Based on Composite Film of Polystyreneâ€i>b</i>â€Poly (Acrylic Acid) and Graphene Oxide. <i>Electroanalysis</i> , 2018, 30, 2888-2898.	1.5	8
59	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.	2.3	8
60	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.	1.0	7
61	Electrocatalytic oxidation of formic acid on Pd/CNTs nanocatalysts synthesized in special â€non-aqueousâ€system. <i>Journal of Electroanalytical Chemistry</i> , 2022, 906, 115980.	1.9	7
62	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.	2.5	6
63	Carbon supported Pdâ€Sn nanoparticle electrocatalysts for efficient borohydride electrooxidation. <i>New Journal of Chemistry</i> , 2020, 44, 13472-13479.	1.4	6
64	A Novel Selfâ€protection Hydroquinone Electrochemical Sensor Based on Thermoâ€sensitive Triblock Polymer PSâ€PNIPAmâ€PS. <i>Electroanalysis</i> , 2020, 32, 1354-1363.	1.5	6
65	Determination of dopamine based on a temperature-sensitive PMEO ₂ MA and Au@rGO-MWCNT nanocomposite-modified electrode. <i>Analyst, The</i> , 2022, 147, 303-311.	1.7	6
66	An ultrasensitive luteolin electrochemical sensor based on a glass carbon electrode modified using multi-walled carbon nanotube-supported hollow cobalt sulfide (CoSx) polyhedron/graphene quantum dot composites. <i>Analyst, The</i> , 2022, 147, 2739-2748.	1.7	6
67	Carbon-supported Ni(OH) ₂ nanospheres decorated with Au nanoparticles: a promising catalyst for BH ₄ ⁻ electrooxidation. <i>Ionics</i> , 2019, 25, 5153-5161.	1.2	5
68	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.	2.3	5
69	Electrochemical biosensing platform based on a hemocyaninâ€Au@QC NPâ€carbon black hybrid nano-composite film. <i>Analytical Methods</i> , 2013, 5, 3168.	1.3	4
70	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.	1.4	4
71	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.	1.4	2
72	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.	1.4	2

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73	Carbon-supported Au-doped N-C-coated CoFe alloy nanocomposite electrocatalysts for BH ₄ ⁻ electrooxidation. <i>Ionics</i> , 2021, 27, 1233-1241.	1.2	1
74	High electrocatalytic activity of carbon-supported nickel hydroxide-doped platinum nanocatalysts for BH ₄ ⁻ electrooxidation. <i>Ionics</i> , 2020, 26, 5133-5141.	1.2	0