

Zhiwei Zhu

List of Publications by Year in descending order

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38
papers

1,319
citations

567281

15
h-index

345221

36
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38
all docs

38
docs citations

38
times ranked

2605
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced electrocatalytic activity for hydrogen evolution reaction from self-assembled monodispersed molybdenum sulfide nanoparticles on an Au electrode. <i>Energy and Environmental Science</i> , 2013, 6, 625-633.	30.8	364
2	Analysis of sudan I, sudan II, sudan III, and sudan IV in food by HPLC with electrochemical detection: Comparison of glassy carbon electrode with carbon nanotube-ionic liquid gel modified electrode. <i>Food Chemistry</i> , 2008, 109, 876-882.	8.2	123
3	Enhanced electrocatalytic activity of MoP microparticles for hydrogen evolution by grinding and electrochemical activation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4368-4373.	10.3	100
4	A novel electrochemical sensor based on carbon nanotubes array for selective detection of dopamine or uric acid. <i>Talanta</i> , 2019, 201, 295-300.	5.5	96
5	Fabrication of Tris(bipyridine)ruthenium(II)-Functionalized Metal-Organic Framework Thin Films by Electrochemically Assisted Self-Assembly Technique for Electrochemiluminescent Immunoassay. <i>Analytical Chemistry</i> , 2018, 90, 11622-11628.	6.5	77
6	Study of Heterogeneous Electron Transfer on the Graphene/Self-Assembled Monolayer Modified Gold Electrode by Electrochemical Approaches. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14243-14250.	3.1	75
7	Triethanolamine-Modified Gold Nanoparticles Synthesized by a One-Pot Method and Their Application in Electrochemiluminescent Immunoassay. <i>Analytical Chemistry</i> , 2018, 90, 2826-2832.	6.5	53
8	Electrodeposited Mo ₃ S ₁₃ Films from (NH ₄) ₂ Mo ₃ S ₁₃ ·2H ₂ O for Electrocatalysis of Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18675-18681.	8.0	52
9	Synergistic Catalytic Effect of MoS ₂ Nanoparticles Supported on Gold Nanoparticle Films for a Highly Efficient Oxygen Reduction Reaction. <i>ChemCatChem</i> , 2014, 6, 1877-1881.	3.7	46
10	Molybdenum disulfide and Au ultrasmall nanohybrids as highly active electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4122-4128.	10.3	41
11	In Situ Growing Triethanolamine-Functionalized Metal-Organic Frameworks on Two-Dimensional Carbon Nanosheets for Electrochemiluminescent Immunoassay. <i>ACS Sensors</i> , 2019, 4, 2351-2357.	7.8	35
12	Mechanistic Study of Oxygen Reduction at Liquid/Liquid Interfaces by Hybrid Ultramicroelectrodes and Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2019, 141, 13212-13221.	13.7	25
13	Detection of Phosphate in Human Blood Based on a Catalytic Hydrogen Wave at a Molybdenum Phosphide Modified Electrode. <i>Analytical Chemistry</i> , 2019, 91, 14666-14671.	6.5	23
14	Electrochemiluminescent Detection of Proteins Based on Fullerenols Modified Gold Nanoparticles and Triple Amplification Approaches. <i>Analytical Chemistry</i> , 2020, 92, 1890-1897.	6.5	22
15	Ionic Current Behaviors of Dual Nano- and Micropipettes. <i>Analytical Chemistry</i> , 2018, 90, 8592-8599.	6.5	18
16	The fabrication of carbon nanotubes array-based electrochemical chiral sensor by electrosynthesis. <i>Talanta</i> , 2017, 166, 70-74.	5.5	15
17	C-dots assisted synthesis of gold nanoparticles as labels to catalyze copper deposition for ultrasensitive electrochemical sensing of proteins. <i>Science China Chemistry</i> , 2018, 61, 476-482.	8.2	15
18	A disposable dual-signal enantioselective electrochemical sensor based on stereogenic porous chiral carbon nanotubes hydrogel. <i>Talanta</i> , 2021, 232, 122445.	5.5	15

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19	The relationship of spherical nano-Ni(OH) ₂ microstructure with its voltammetric behavior. <i>Journal of Solid State Electrochemistry</i> , 2006, 10, 914-919.	2.5	13
20	A Gold Nanoparticles-Enhanced Carbon Nanotubes Electrochemical Chiral Sensor. <i>Electroanalysis</i> , 2017, 29, 955-959.	2.9	12
21	Electrochemical synthesis of carbon nano onions. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4404-4411.	6.0	12
22	Bi-Directional Electrocatalytic Detection of Dopamine at an Electrode Modified with Ferrocene-Filled Carbon Nanotube Peapods. <i>Electroanalysis</i> , 2013, 25, 2041-2044.	2.9	11
23	Simultaneous separation and sensitive detection of four β -agonists in biological specimens by CE-UV using a field-enhanced sample injection method. <i>Analytical Methods</i> , 2015, 7, 175-180.	2.7	9
24	Study of Ion Transfer Coupling with Electron Transfer by Hydrophilic Droplet Electrodes. <i>Analytical Chemistry</i> , 2015, 87, 11819-11825.	6.5	9
25	Highly sensitive determination of copper in HeLa cell using capillary electrophoresis combined with a simple cell extraction treatment. <i>Talanta</i> , 2014, 121, 205-209.	5.5	8
26	A miniaturized electrochemical device integrating a biconical microchannel and carbon fiber disk ultramicroelectrode. <i>Analyst</i> , 2016, 141, 4859-4862.	3.5	8
27	Quality monitoring methods of initial and terminal manufacture of LiFePO ₄ based lithium ion batteries by capillary electrophoresis. <i>Talanta</i> , 2018, 179, 822-827.	5.5	7
28	Highly sensitive detection of copper(i) and copper(ii) in cell specimens by CE-UV with large-volume sample stacking. <i>Analytical Methods</i> , 2016, 8, 4272-4276.	2.7	6
29	Detection of Trace Water Based on Electro-oxidation of Molybdenum Disulfide Nanomaterials to Form Molybdenum Oxy-sulfide. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23850-23858.	8.0	6
30	Investigation and application of photochemically induced direct UV detection of low or non-UV absorbing compounds by capillary electrophoresis. <i>Talanta</i> , 2017, 162, 362-367.	5.5	5
31	Multifunctional polyethyleneimine for synthesis of core-shell nanostructures and electrochemiluminescent detection of three AMI biomarkers. <i>Science China Chemistry</i> , 2021, 64, 2230-2238.	8.2	4
32	Investigation of Dendrimer Transfer Behaviors at the Micro-Water/1,2-Dichloroethane Interface Facilitated by Dibenzo-18-Crown-6. <i>Analytical Chemistry</i> , 2021, 93, 1515-1522.	6.5	4
33	On-line monitoring of the dopamine-based molecular imprinting processes for protein templates with the assistance of a fluorescent indicator. <i>Mikrochimica Acta</i> , 2022, 189, 138.	5.0	4
34	Electrochemistry of a C ₈₄ -C ₂ (IV)-Modified Electrode in Aqueous Solutions and Its Interaction with Guanine. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5966-5973.	3.1	2
35	A new strategy to improve the sensitivity and selectivity of dopamine detection. <i>Science China Chemistry</i> , 2015, 58, 892-898.	8.2	2
36	Construction of nano receptors for ubiquitin and ubiquitinated proteins based on the region-specific interactions between ubiquitin and polydopamine. <i>Journal of Materials Chemistry B</i> , 2022, 10, 6627-6633.	5.8	2

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37	The facile approaches to asymmetric modification of glassy biconical microchannel wall with silver, copper or gold. <i>Talanta</i> , 2018, 185, 191-195.	5.5	0
38	Electrostatic-Gated Kinetics of Rapid Ion Transfers at a Nano-liquid/Liquid Interface. <i>Analytical Chemistry</i> , 2022, 94, 9801-9810.	6.5	0