

Yuanzhen Zhou

List of Publications by Year in descending order

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34
papers

789
citations

430874

18
h-index

526287

27
g-index

34
all docs

34
docs citations

34
times ranked

811
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel electrochemical sensor for highly sensitive detection of bisphenol A based on the hydrothermal synthesized Na-doped WO ₃ nanorods. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 238-246.	7.8	83
2	A novel electrochemically enhanced homogeneous PMS-heterogeneous CoFe ₂ O ₄ synergistic catalysis for the efficient removal of levofloxacin. <i>Journal of Hazardous Materials</i> , 2022, 424, 127651.	12.4	61
3	Preparation of an antibacterial chitosan-coated biochar-nanosilver composite for drinking water purification. <i>Carbohydrate Polymers</i> , 2019, 219, 290-297.	10.2	50
4	A novel low-dimensional heteroatom doped Nd ₂ O ₃ nanostructure for enhanced electrochemical sensing of carbendazim. <i>New Journal of Chemistry</i> , 2019, 43, 14009-14019.	2.8	47
5	Doping controlled oxygen vacancies of ZnWO ₄ as a novel and effective sensing platform for carbendazim and biomolecule. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126680.	7.8	40
6	Low-crystalline mixed Fe-Co-MOFs for efficient oxygen evolution electrocatalysis. <i>Journal of Materials Science</i> , 2020, 55, 13951-13963.	3.7	37
7	Oxygen reduction reaction electrocatalysis inducing Fenton-like processes with enhanced electrocatalytic performance based on mesoporous ZnO/CuO cathodes: Treatment of organic wastewater and catalytic principle. <i>Chemosphere</i> , 2020, 259, 127463.	8.2	36
8	Selective determination of dopamine and uric acid using electrochemical sensor based on poly(alizarin yellow R) film-modified electrode. <i>Analytical Methods</i> , 2014, 6, 3474-3481.	2.7	35
9	Biocompatible PB/Ti ₃ C ₂ hybrid nanocomposites for the non-enzymatic electrochemical detection of H ₂ O ₂ released from living cells. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128259.	7.8	35
10	A novel multi-walled carbon nanotube-coupled CoNi MOF composite enhances the oxygen evolution reaction through synergistic effects. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4936-4943.	10.3	33
11	A novel electrochemical sensor for the selective determination of hydroquinone and catechol using synergic effect of electropolymerized nicotinic acid film and Cd-doped ZnWO ₄ nanoneedle. <i>Journal of Electroanalytical Chemistry</i> , 2019, 834, 196-205.	3.8	31
12	A novel and simple biosensor based on poly(indoleacetic acid) film and its application for simultaneous electrochemical determination of dopamine and epinephrine in the presence of ascorbic acid. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2203-2210.	2.5	28
13	Selective electrochemical detection of hydroquinone and catechol at a one-step synthesised pine needle-like nano-CePO ₄ modified carbon paste electrode. <i>RSC Advances</i> , 2016, 6, 83994-84002.	3.6	27
14	Plasmon-Enhanced Electroactivity of AuRu Nanostructures for Electroanalysis Applications. <i>Analytical Chemistry</i> , 2021, 93, 4944-4951.	6.5	24
15	Recycling of Cr (VI) from weak alkaline aqueous media using a chitosan/ triethanolamine/Cu (II) composite adsorbent. <i>Carbohydrate Polymers</i> , 2019, 205, 151-158.	10.2	23
16	C ₆₀ Mediated Ion Pair Interaction for Label-Free Electrochemical Immunosensing with Nanoporous Anodic Alumina Nanochannels. <i>Analytical Chemistry</i> , 2019, 91, 5125-5132.	6.5	22
17	Electrochemically sensitive determination of dopamine and uric acid based on poly (beryllon) Tj ETQq1 1 0.784314 rgBT /Overlock 10 610-617.	7.8	20
18	Adsorption of molybdate on molybdate-imprinted chitosan/triethanolamine gel beads. <i>Carbohydrate Polymers</i> , 2014, 114, 514-520.	10.2	18

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19	Application of a novel endocrine disruptor bisphenol A electrochemical sensor based on analogous heterostructure characteristics of La-doped Yb ₂ O ₃ nanomaterials. <i>Analytical Methods</i> , 2019, 11, 5613-5622.	2.7	17
20	A Bioinspired Photocatalysis and Electrochemiluminescence Scaffold for Simultaneous Degradation and In Situ Evaluation. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	17
21	Tannic acid reinforced electro-Fenton system based on GO-Fe ₃ O ₄ /NF cathode for the efficient catalytic degradation of PNP. <i>Chemosphere</i> , 2022, 289, 133046.	8.2	16
22	Novel vacancy-rich Co ₃ O ₄ /VO ₂ nanohybrids for enhanced electrocatalytic performance and application as oxygen evolution electrocatalysts. <i>Journal of Alloys and Compounds</i> , 2021, 876, 160129.	5.5	12
23	Electrochemical characterization of poly-beryllon II modified carbon paste electrode and its application to selective determination of pyrocatechol and hydroquinone. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 118, 148-153.	5.0	11
24	Hydrothermal Method Prepared La-Doped ZnWO ₄ Nanospheres as Electrocatalytic Sensing Materials for Selective and Sensitive Determination of Dopamine and Uric Acid. <i>Journal of the Electrochemical Society</i> , 2016, 163, B737-B743.	2.9	10
25	Activating ZnWO ₄ nanorods for efficient electroanalysis of bisphenol A via the strategy of In doping induced band gap change. <i>Journal of Electroanalytical Chemistry</i> , 2020, 856, 113613.	3.8	10
26	Study on Electrocatalysis of Environmental Hormone BPA Based on Fluent-Electron-Transfer Ce-Doped ZnO Nanorods. <i>Journal of the Electrochemical Society</i> , 2018, 165, H962-H968.	2.9	8
27	A novel electrochemical cathode based on sea urchin-like NiO/Co ₃ O ₄ composite inducing efficient Fenton-like process for levofloxacin degradation. <i>Applied Catalysis A: General</i> , 2021, 628, 118403.	4.3	8
28	The construction of an electrochemical sensing interface based on nano-CeO ₂ cubes for highly sensitive detection of bisphenol A. <i>New Journal of Chemistry</i> , 2018, 42, 13856-13863.	2.8	6
29	Enhancing electron-hole utilization of CdS Based on cucurbiturils vis electrostatic interaction in visible light. <i>Journal of Solid State Chemistry</i> , 2019, 270, 450-457.	2.9	6
30	Electrochemical Acceleration of Redox Reaction Cycles on the Surface of Fe ₂ O ₃ -MnO ₂ Cathode to Activate the Peroxymonosulfate for the Efficient Removal of Levofloxacin. <i>Journal of the Electrochemical Society</i> , 2022, 169, 023505.	2.9	6
31	A Novel Trimetal Phosphide with Amorphous Porous Structure for the Enhanced Electrocatalysis of Oxygen Evolution Reaction. <i>Journal of the Electrochemical Society</i> , 2021, 168, 116510.	2.9	4
32	Direct electrochemistry and electrocatalysis of hemoglobin on polypyrrole-Fe ₃ O ₄ /dodecyltrimethylammonium bromide-modified carbon paste electrode and its biosensing for hydrogen peroxide. <i>Biocatalysis and Biotransformation</i> , 2013, 31, 313-322.	2.0	3
33	A fluorogenic RNA aptamer nanodevice for the low background imaging of mRNA in living cells. <i>Chemical Communications</i> , 2022, 58, 1354-1357.	4.1	3
34	A novel hydrogen peroxide sensor based on immobilization of haemoglobin on nano-TiO ₂ /DTAB composite film. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 377-384.	2.0	2