

Zhenlu Zhao

List of Publications by Year in descending order

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32
papers

1,163
citations

686830

13
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454577

30
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32
docs citations

32
times ranked

2270
citing authors

#	ARTICLE	IF	CITATIONS
1	A High-Performance Binary Ni-Co Hydroxide-based Water Oxidation Electrode with Three-Dimensional Coaxial Nanotube Array Structure. <i>Advanced Functional Materials</i> , 2014, 24, 4698-4705.	7.8	348
2	Anatase TiO ₂ nanocrystals with exposed {001} facets on graphene sheets via molecular grafting for enhanced photocatalytic activity. <i>Nanoscale</i> , 2012, 4, 613-620.	2.8	207
3	Self-standing non-noble metal (Ni-Fe) oxide nanotube array anode catalysts with synergistic reactivity for high-performance water oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7179-7186.	5.2	96
4	Controllable synthesis of P-doped MoS ₂ nanopetals decorated N-doped hollow carbon spheres towards enhanced hydrogen evolution. <i>Electrochimica Acta</i> , 2019, 297, 553-563.	2.6	67
5	Bacteriorhodopsin/Ag Nanoparticle-Based Hybrid Nano-Bio Electrocatalyst for Efficient and Robust H ₂ Evolution from Water. <i>Journal of the American Chemical Society</i> , 2015, 137, 2840-2843.	6.6	59
6	A novel detection technique of hydrazine hydrate: modality change of hydrogen bonding-induced rapid and ultrasensitive colorimetric assay. <i>Chemical Communications</i> , 2011, 47, 12816.	2.2	52
7	Fluorescence assay for alkaline phosphatase based on ATP hydrolysis-triggered dissociation of cerium coordination polymer nanoparticles. <i>Analyst</i> , 2018, 143, 3821-3828.	1.7	47
8	Fine-tuning the LSPR response of gold nanorod-polyaniline core-shell nanoparticles with high photothermal efficiency for cancer cell ablation. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5189-5196.	2.9	43
9	Pd-Tipped Au Nanorods for Plasmon-Enhanced Electrocatalytic Hydrogen Evolution with Photoelectric and Photothermal Effects. <i>ChemElectroChem</i> , 2018, 5, 778-784.	1.7	33
10	Pyrolysis derived helically nitrogen-doped carbon nanotubes with uniform cobalt for high performance oxygen reduction. <i>Applied Surface Science</i> , 2020, 504, 144380.	3.1	26
11	MOF derived iron oxide-based smart plasmonic Ag/Au hollow and porous nanoshells for ultra-microelectrodes for ultra-sensitive detection of arsenic. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16164-16169.	5.2	25
12	Highly sensitive fluorescent detection of glutathione and histidine based on the Cu(II)-thiamine system. <i>Analyst</i> , 2018, 143, 4442-4447.	1.7	16
13	Spectrophotometric determination of the activity of alkaline phosphatase and detection of its inhibitors by exploiting the pyrophosphate-accelerated oxidase-like activity of nanoceria. <i>Mikrochimica Acta</i> , 2019, 186, 320.	2.5	15
14	Study on fluorescence properties and stability of Cu ²⁺ -Substituted CsPbBr ₃ perovskite quantum dots. <i>Physica B: Condensed Matter</i> , 2020, 599, 412488.	1.3	15
15	Free-Standing Monolayered Metallic Nanoparticle Networks as Building Blocks for Plasmonic Nanoelectronic Junctions. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1594-1599.	4.0	14
16	Dual-mode Detection of Dopamine Based on Enhanced Fluorescent and Colorimetric Signals of Fe ³⁺ -H ₂ O ₂ -o-Phenylenediamine System. <i>Chinese Journal of Analytical Chemistry</i> , 2018, 46, 1231-1237.	0.9	13
17	Fluorometric determination of sulfide ions via its inhibitory effect on the oxidation of thiamine by Cu(II) ions. <i>Mikrochimica Acta</i> , 2018, 185, 362.	2.5	11
18	Reduced graphene oxide nanosheets modified with plasmonic gold-based hybrid nanostructures and with magnetite (Fe ₃ O ₄) nanoparticles for cyclic voltammetric determination of arsenic(III). <i>Mikrochimica Acta</i> , 2019, 186, 226.	2.5	9

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19	A coaxial three-layer (Ni, Fe)O _x /H _y /Ni/Cu mesh electrode: excellent oxygen evolution reaction activity for water electrolysis. <i>Catalysis Science and Technology</i> , 2020, 10, 1803-1808.	2.1	9
20	Liquid-to-gas transition derived cobalt-based nitrogen-doped carbon nanosheets with hierarchically porous for oxygen reduction reaction. <i>Applied Surface Science</i> , 2020, 509, 145365.	3.1	9
21	Engineering iron phosphide-on-plasmonic Ag/Au-nanoshells as an efficient cathode catalyst in water splitting for hydrogen production. <i>Energy</i> , 2021, 218, 119520.	4.5	9
22	In-situ One-Step Preparation of Nickel-Tipped N-doped Carbon Nanotubes for Oxygen Reduction. <i>ChemCatChem</i> , 2019, 11, 4818-4821.	1.8	8
23	Efficient oxygen evolution catalysts with synergistic reactivity: CoFe ₂ O ₄ /C derived from bimetallic organic framework supported on nitrogen-doped carbon nanoarray structure. <i>Materials Research Bulletin</i> , 2021, 139, 111287.	2.7	8
24	Synthesis of a Hierarchical Three-Component Nanocomposite Structure System with Enhanced Electrocatalytic and Photoelectrical Properties. <i>Chemistry - A European Journal</i> , 2012, 18, 5248-5255.	1.7	6
25	Polyaniline@MOF fiber derived Fe-Co oxide-based high performance electrocatalyst. <i>New Journal of Chemistry</i> , 2021, 45, 282-287.	1.4	5
26	MOF-derived Co ₃ /FeP on nitrogen-doped carbon nanoarray boosted high-performance hydrogen evolution. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115521.	1.9	4
27	Effect of Ti and Zr elements with equal mass ratio on microstructure and corrosion resistance of Zn-1Al-3Mg alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021, 72, 585-595.	0.8	3
28	Pyrolysis-Derived Carbon Auto-Coated Co-Ni Oxide-based Nanoparticles on Graphene-like Nanosheets for High-Performance Oxygen Electrocatalysis. <i>Energy & Fuels</i> , 2021, 35, 3376-3384.	2.5	3
29	Reduced graphene oxide-supported smart plasmonic AgPtPd porous nanoparticles for high-performance electrochemical detection of 2,4,6-trinitrotoluene. <i>New Journal of Chemistry</i> , 2022, 46, 7161-7167.	1.4	2
30	Nano-mediated uniform ternary Cu-Co-Ni-based nitrogen-doped carbon nanotubes with synergistic reactivity for high-performance oxygen reduction. <i>Nano Express</i> , 2021, 2, 010026.	1.2	1
31	Encapsulated NiCo ₂ S ₄ -based straight bamboo-shaped N-CNT as efficient and stable oxygen electrocatalysts. <i>Electrochemical Science Advances</i> , 0, , e2100034.	1.2	0
32	Effects of Ti and Zr elements addition on the microstructure and corrosion resistance of Zn-2.5Al-2Mg alloy. <i>Materials Research Express</i> , 0, , .	0.8	0