

Wei Cui

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

5,424
citations

346980

22
h-index

371746

37
g-index

40
all docs

40
docs citations

40
times ranked

9668
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfur Treatment Passivates Bulk Defects in Sb ₂ Se ₃ Photocathodes for Water Splitting. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	18
2	A sol-gel route to prepare CeOx dot-decorated TiO ₂ pigment with improved weatherability. <i>Materials Today Communications</i> , 2022, 31, 103752.	0.9	2
3	A novel photoelectrochemical approach for efficient assessment of TiO ₂ pigments weatherability. <i>Powder Technology</i> , 2021, 380, 334-340.	2.1	7
4	Toward the Intrinsic Superiority of Aligned One-Dimensional TiO ₂ Nanostructures: the Role of Defect States in Electron Transport Process. <i>ChemElectroChem</i> , 2020, 7, 4390-4397.	1.7	4
5	Synergizing hole accumulation and transfer on composite Ni/CoO _x for photoelectrochemical water oxidation. <i>Chemical Communications</i> , 2020, 56, 10179-10182.	2.2	3
6	<i>Operando</i> electrochemical study of charge carrier processes in water splitting photoanodes protected by atomic layer deposited TiO ₂ . <i>Sustainable Energy and Fuels</i> , 2019, 3, 3085-3092.	2.5	11
7	Assembled cationic dipeptide-gold nanoparticle hybrid microspheres for electrochemical biosensors with enhanced sensitivity. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 628-634.	5.0	11
8	Resistance-based analysis of limiting interfaces in multilayer water splitting photocathodes by impedance spectroscopy. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2067-2075.	2.5	12
9	Stable and tunable phosphonic acid dipole layer for band edge engineering of photoelectrochemical and photovoltaic heterojunction devices. <i>Energy and Environmental Science</i> , 2019, 12, 1901-1909.	15.6	41
10	Solvent-tunable dipeptide-based nanostructures with enhanced optical-to-electrical transduction. <i>Chemical Communications</i> , 2019, 55, 13136-13139.	2.2	11
11	Intraparticle FRET for Enhanced Efficiency of Two-Photon Activated Photodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701357.	3.9	22
12	Extended Light Harvesting with Dual Cu ₂ O-Based Photocathodes for High Efficiency Water Splitting. <i>Advanced Energy Materials</i> , 2018, 8, 1702323.	10.2	93
13	New Earth-abundant Materials for Large-scale Solar Fuels Generation. <i>Chimia</i> , 2018, 72, 333.	0.3	4
14	<i>Operando</i> deconvolution of photovoltaic and electrocatalytic performance in ALD TiO ₂ protected water splitting photocathodes. <i>Chemical Science</i> , 2018, 9, 6062-6067.	3.7	22
15	Transformation of Dipeptide-Based Organogels into Chiral Crystals by Cryogenic Treatment. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2660-2663.	7.2	106
16	Transformation of Dipeptide-Based Organogels into Chiral Crystals by Cryogenic Treatment. <i>Angewandte Chemie</i> , 2017, 129, 2704-2707.	1.6	25
17	Atomically dispersed hybrid nickel-iridium sites for photoelectrocatalysis. <i>Nature Communications</i> , 2017, 8, 1341.	5.8	37
18	Recent progresses in layer-by-layer assembled biogenic capsules and their applications. <i>Journal of Colloid and Interface Science</i> , 2017, 487, 107-117.	5.0	55

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19	Hyperbranched Polyglycerol-Doped Mesoporous Silica Nanoparticles for One- and Two-Photon Activated Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2016, 26, 2561-2570.	7.8	70
20	Gelatin-Assisted Synthesis of Vaterite Nanoparticles with Higher Surface Area and Porosity as Anticancer Drug Containers In Vitro. <i>ChemPlusChem</i> , 2016, 81, 194-201.	1.3	32
21	Biomacromolecules based core/shell architecture toward biomedical applications. <i>Advances in Colloid and Interface Science</i> , 2016, 237, 43-51.	7.0	23
22	Self-Assembled Smart Nanocarriers for Targeted Drug Delivery. <i>Advanced Materials</i> , 2016, 28, 1302-1311.	11.1	189
23	Recent Progress in Cobalt-Based Heterogeneous Catalysts for Electrochemical Water Splitting. <i>Advanced Materials</i> , 2016, 28, 215-230.	11.1	2,083
24	Layer by layer assembly of albumin nanoparticles with selective recognition of tumor necrosis factor-related apoptosis-inducing ligand (TRAIL). <i>Journal of Colloid and Interface Science</i> , 2016, 465, 11-17.	5.0	31
25	Fabrication of Mesoporous Silica Nanoparticle with Well-Defined Multicompartment Structure as Efficient Drug Carrier for Cancer Therapy in Vitro and in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8900-8907.	4.0	38
26	N-Doped Carbon-Coated Tungsten Oxynitride Nanowire Arrays for Highly Efficient Electrochemical Hydrogen Evolution. <i>ChemSusChem</i> , 2015, 8, 2487-2491.	3.6	32
27	MoP nanosheets supported on biomass-derived carbon flake: One-step facile preparation and application as a novel high-active electrocatalyst toward hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2015, 164, 144-150.	10.8	240
28	Carbon Nanotubes Decorated with CoP Nanocrystals: A Highly Active Non-Noble-Metal Nanohybrid Electrocatalyst for Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6710-6714.	7.2	939
29	Activated carbon nanotubes: a highly-active metal-free electrocatalyst for hydrogen evolution reaction. <i>Chemical Communications</i> , 2014, 50, 9340-9342.	2.2	187
30	CoP nanostructures with different morphologies: synthesis, characterization and a study of their electrocatalytic performance toward the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14634.	5.2	227
31	NixSy-MoS2 hybrid microspheres: One-pot hydrothermal synthesis and their application as a novel hydrogen evolution reaction electrocatalyst with enhanced activity. <i>Electrochimica Acta</i> , 2014, 137, 504-510.	2.6	46
32	Mo ₂ C Nanoparticles Decorated Graphitic Carbon Sheets: Biopolymer-Derived Solid-State Synthesis and Application as an Efficient Electrocatalyst for Hydrogen Generation. <i>ACS Catalysis</i> , 2014, 4, 2658-2661.	5.5	343
33	Shape-controllable synthesis of Mo ₂ C nanostructures as hydrogen evolution reaction electrocatalysts with high activity. <i>Electrochimica Acta</i> , 2014, 134, 182-186.	2.6	82
34	Fabrication of tumor necrosis factor-related apoptosis inducing ligand (TRAIL)/ALG modified CaCO ₃ as drug carriers with the function of tumor selective recognition. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1326.	2.9	34
35	An Anticoagulant Activity System Using Nanoengineered Autofluorescent Heparin Nanotubes. <i>Chemistry - an Asian Journal</i> , 2012, 7, 127-132.	1.7	14