

Jing-Hui Zeng

List of Publications by Year in descending order

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53
papers

3,029
citations

218677

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168389

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53
all docs

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docs citations

53
times ranked

4171
citing authors

#	ARTICLE	IF	CITATIONS
1	Voltage-assisted SILAR deposition of CdSe quantum dots to construct a high performance of ZnS/CdSe/ZnS quantum dot-sensitized solar cells. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 640-646.	9.4	24
2	A redox-active conjugated microporous polymer cathode for high-performance lithium/potassium-organic batteries. <i>Science China Chemistry</i> , 2021, 64, 72-81.	8.2	33
3	Phosphating passivation layer for quantum dot sensitized solar cells. <i>Thin Solid Films</i> , 2021, 727, 138678.	1.8	4
4	Antimony tin oxide/lead selenide composite as efficient counter electrode material for quantum dot-sensitized solar cells. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 492-499.	9.4	12
5	Efficient Solid-State Electrolytes Based on Aryl-Modified Imidazolium Ionic Crystals for Quantum Dot-Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 10739-10747.	5.1	2
6	Above-Band-Gap Voltage from Oriented Bismuth Ferrite Ceramic Photovoltaic Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 12703-12708.	5.1	6
7	Co nanoparticles supported on three-dimensionally N-doped holey graphene aerogels for electrocatalytic oxygen reduction. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 143-151.	9.4	21
8	Substituent effect of conjugated microporous polymers on the photocatalytic hydrogen evolution activity. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2404-2411.	10.3	91
9	Bisulfone-Functionalized Organic Polymer Photocatalysts for High-Performance Hydrogen Evolution. <i>ChemSusChem</i> , 2020, 13, 369-375.	6.8	20
10	Manganese doped titanium dioxide with a tunable flat-band potential as photoanode in quantum dot sensitized solar cells for higher open circuit voltage. <i>Chemical Physics Letters</i> , 2020, 761, 138099.	2.6	4
11	Structure evolution of azo-fused conjugated microporous polymers for high performance lithium-ion batteries anodes. <i>Journal of Power Sources</i> , 2020, 453, 227868.	7.8	30
12	Iron doped cobalt phosphide ultrathin nanosheets on nickel foam for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20658-20666.	10.3	123
13	S-alkylbenzothiophenium-based solid-state electrolyte for efficient quantum-dot sensitized solar cells. <i>Solar Energy</i> , 2019, 194, 286-293.	6.1	3
14	Glycerol oxidation assisted electrocatalytic nitrogen reduction: ammonia and glyceraldehyde co-production on bimetallic RhCu ultrathin nanoflake nanoaggregates. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21149-21156.	10.3	77
15	Facile preparation of MnO/nitrogen-doped porous carbon nanotubes composites and their application in energy storage. <i>Journal of Power Sources</i> , 2019, 426, 33-39.	7.8	28
16	Conjugated Microporous Polymers with Tunable Electronic Structure for High-Performance Potassium-Ion Batteries. <i>ACS Nano</i> , 2019, 13, 745-754.	14.6	162
17	Component-Dependent Electrocatalytic Activity of Ultrathin PdRh Alloy Nanocrystals for the Formate Oxidation Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2830-2836.	6.7	47
18	Platinum-Silver Alloy Nanoballoon Nanoassemblies with Super Catalytic Activity for the Formate Electrooxidation. <i>ACS Applied Energy Materials</i> , 2018, 1, 1252-1258.	5.1	50

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19	Ultrathin Co ₃ O ₄ Nanomeshes for the Oxygen Evolution Reaction. ACS Catalysis, 2018, 8, 1913-1920.	11.2	435
20	Surfactant-free atomically ultrathin rhodium nanosheet nanoassemblies for efficient nitrogen electroreduction. Journal of Materials Chemistry A, 2018, 6, 3211-3217.	10.3	376
21	PdCo Alloy Nanonetworks~Polyallylamine Inorganic~Organic Nanohybrids toward the Oxygen Reduction Reaction. Advanced Materials Interfaces, 2018, 5, 1701322.	3.7	37
22	Doping as an effective recombination suppressing strategy for performance enhanced quantum dots sensitized solar cells. Materials Letters, 2018, 221, 42-45.	2.6	12
23	Bimetallic Platinum~Rhodium Alloy Nanodendrites as Highly Active Electrocatalyst for the Ethanol Oxidation Reaction. ACS Applied Materials & Interfaces, 2018, 10, 19755-19763.	8.0	132
24	Dibenzothiophene Dioxide Based Conjugated Microporous Polymers for Visible-Light-Driven Hydrogen Production. ACS Catalysis, 2018, 8, 8590-8596.	11.2	202
25	Pulsed voltage deposited hierarchical dendritic PbS film as a highly efficient and stable counter electrode for quantum-dot-sensitized solar cells. Journal of Materials Chemistry C, 2018, 6, 6823-6831.	5.5	16
26	Ultrathin Rhodium Oxide Nanosheet Nanoassemblies: Synthesis, Morphological Stability, and Electrocatalytic Application. ACS Applied Materials & Interfaces, 2017, 9, 17195-17200.	8.0	65
27	Quantum dot sensitized solar cells: Light harvesting versus charge recombination, a film thickness consideration. Chemical Physics Letters, 2017, 682, 71-76.	2.6	3
28	<i>In situ</i> bubble template-assisted synthesis of phosphonate-functionalized Rh nanodendrites and their catalytic application. CrystEngComm, 2017, 19, 2946-2952.	2.6	10
29	Polyallylamine-Functionalized Platinum Tripods: Enhancement of Hydrogen Evolution Reaction by Proton Carriers. ACS Catalysis, 2017, 7, 452-458.	11.2	142
30	Sulfur in Hyper-cross-linked Porous Polymer as Cathode in Lithium~Sulfur Batteries with Enhanced Electrochemical Properties. ACS Applied Materials & Interfaces, 2017, 9, 34783-34792.	8.0	38
31	Rhodium Nanosheets~Reduced Graphene Oxide Hybrids: A Highly Active Platinum-Alternative Electrocatalyst for the Methanol Oxidation Reaction in Alkaline Media. ACS Sustainable Chemistry and Engineering, 2017, 5, 10156-10162.	6.7	86
32	Morphological and Interfacial Control of Platinum Nanostructures for Electrocatalytic Oxygen Reduction. ACS Catalysis, 2016, 6, 5260-5267.	11.2	117
33	Synthesis of Mn-doped zinc blende CdSe nanocrystals for quantum dot-sensitized solar cells. Research on Chemical Intermediates, 2016, 42, 6255-6263.	2.7	5
34	Performance enhancement in titania based quantum dot sensitized solar cells through incorporation of disc shaped ZnO nanoparticles into photoanode. Chemical Physics Letters, 2016, 660, 76-80.	2.6	14
35	Pyrazolium-based electrolyte for solid-state dye-sensitized solar cells with high fill factor and open-circuit voltage. Journal of Materials Chemistry C, 2016, 4, 8235-8244.	5.5	10
36	Hydrothermal Synthesis and Catalytic Application of Ultrathin Rhodium Nanosheet Nanoassemblies. ACS Applied Materials & Interfaces, 2016, 8, 33635-33641.	8.0	94

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37	One-Pot Fabrication of Hollow and Porous Pd@Cu Alloy Nanospheres and Their Remarkably Improved Catalytic Performance for Hexavalent Chromium Reduction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30948-30955.	8.0	82
38	Pulsed voltage deposited lead selenide thin film as efficient counter electrode for quantum-dot-sensitized solar cells. <i>Applied Surface Science</i> , 2016, 369, 436-442.	6.1	29
39	Alumina Coatings on Fluorine-Doped Tin Oxide@Titanium Dioxide as Photoanode for Dye-Sensitized Solar Cells. <i>Electrochimica Acta</i> , 2015, 173, 534-539.	5.2	3
40	Graphite powder film-supported Cu ₂ S counter electrodes for quantum dot-sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12140-12148.	5.5	30
41	Stable, High-Efficiency Pyrrolidinium-Based Electrolyte for Solid-State Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21381-21390.	8.0	29
42	Effective Solid Electrolyte Based on Benzothiazolium for Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22088-22095.	8.0	14
43	Micrometer-Sized Fluorine Doped Tin Oxide As Fast Electron Collector for Enhanced Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16593-16600.	8.0	12
44	Dye-sensitized solar cells with titania concave mirror. <i>Materials Research Bulletin</i> , 2014, 50, 221-226.	5.2	1
45	A Performance Enhancement by Ag/C Nanocables in Photo-Anodes for Dye-Sensitized Solar Cells. <i>Energy and Environment Focus</i> , 2014, 3, 360-365.	0.3	1
46	A novel organic ionic plastic crystal electrolyte for solid-state dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2013, 112, 247-251.	5.2	20
47	Silver/titania nanocable as fast electron transport channel for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2013, 87, 256-260.	5.2	15
48	Uniform single-crystalline zinc oxide round nanodisks, a comprehensive study on the hydrothermal growth. <i>Materials Letters</i> , 2012, 85, 7-10.	2.6	6
49	Hydrothermal Synthesis and Photoluminescence Characterization of Eu ³⁺ -Doped Silicate Phosphor. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3478-3480.	3.8	4
50	Synthesis of sea-urchin shaped β -MnO ₂ nanostructures and their application in lithium batteries. <i>Journal of Materials Chemistry</i> , 2010, 20, 10915.	6.7	49
51	Precursor, base concentration and solvent behavior on the formation of zinc silicate. <i>Materials Research Bulletin</i> , 2009, 44, 1106-1110.	5.2	26
52	Facet enhanced photocatalytic effect with uniform single-crystalline zinc oxide nanodisks. <i>Chemical Physics Letters</i> , 2009, 472, 90-95.	2.6	162
53	High-density arrays of low-defect-concentration zinc oxide nanowire grown on transparent conducting oxide glass substrate by chemical vapor deposition. <i>Acta Materialia</i> , 2009, 57, 1813-1820.	7.9	15