

# Jiantao Zai

## List of Publications by Year in descending order

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113  
papers

6,224  
citations

50170

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71532

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g-index

116  
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116  
docs citations

116  
times ranked

8466  
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilizing the Space-Charge Region of the FeNi-LDH/CoP Junction to Promote Performance in Oxygen Evolution Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11903-11909.	7.2	329
2	Highly Efficient Ag <sub>2</sub> O/Bi <sub>2</sub> O <sub>3</sub> CO <sub>3</sub> p-n Heterojunction Photocatalysts with Improved Visible-Light Responsive Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11698-11705.	4.0	257
3	Bottom-up synthesis of high surface area mesoporous crystalline silicon and evaluation of its hydrogen evolution performance. <i>Nature Communications</i> , 2014, 5, 3605.	5.8	212
4	Highly active nanostructured CoS <sub>2</sub> /CoS heterojunction electrocatalysts for aqueous polysulfide/iodide redox flow batteries. <i>Nature Communications</i> , 2019, 10, 3367.	5.8	212
5	Novel Bi <sub>2</sub> S <sub>3</sub> /Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> heterojunction photocatalysts with enhanced visible light responsive activity and wastewater treatment. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4208.	5.2	203
6	Hierarchical Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> microspheres with improved visible-light-driven photocatalytic activity. <i>CrystEngComm</i> , 2011, 13, 4010.	1.3	179
7	High stability and superior rate capability of three-dimensional hierarchical SnS <sub>2</sub> microspheres as anode material in lithium ion batteries. <i>Journal of Power Sources</i> , 2011, 196, 3650-3654.	4.0	175
8	Dual conductive network-enabled graphene/SiC composite anode with high areal capacity for lithium-ion batteries. <i>Nano Energy</i> , 2014, 6, 211-218.	8.2	155
9	Co <sub>3</sub> O <sub>4</sub> nanorods/graphene nanosheets nanocomposites for lithium ion batteries with improved reversible capacity and cycle stability. <i>Journal of Power Sources</i> , 2012, 202, 230-235.	4.0	153
10	Honeycomb-like metallic nickel selenide nanosheet arrays as binder-free electrodes for high-performance hybrid asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22527-22535.	5.2	141
11	3D hierarchical FeSe <sub>2</sub> microspheres: Controlled synthesis and applications in dye-sensitized solar cells. <i>Nano Energy</i> , 2015, 15, 205-215.	8.2	140
12	MnFe <sub>2</sub> O <sub>4</sub> -graphene nanocomposites with enhanced performances as anode materials for Li-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3939.	1.3	119
13	Boron-doped porous Si anode materials with high initial coulombic efficiency and long cycling stability. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3022-3027.	5.2	113
14	Ultrathin FeSe <sub>2</sub> Nanosheets: Controlled Synthesis and Application as a Heterogeneous Catalyst in Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2015, 21, 4085-4091.	1.7	108
15	Crystallization of a perovskite film for higher performance solar cells by controlling water concentration in methyl ammonium iodide precursor solution. <i>Nanoscale</i> , 2016, 8, 2693-2703.	2.8	100
16	3D-hierarchical SnS <sub>2</sub> micro/nano-structures: controlled synthesis, formation mechanism and lithium ion storage performances. <i>CrystEngComm</i> , 2012, 14, 1364-1375.	1.3	98
17	3D hierarchical ZnIn <sub>2</sub> S <sub>4</sub> : The preparation and photocatalytic properties on water splitting. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 16986-16993.	3.8	96
18	Polydopamine functionalized graphene/NiFe <sub>2</sub> O <sub>4</sub> nanocomposite with improving Li storage performances. <i>Nano Energy</i> , 2014, 6, 51-58.	8.2	94

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19	Regeneration of Metal Sulfides in the Delithiation Process: The Key to Cyclic Stability. <i>Advanced Energy Materials</i> , 2016, 6, 1601056.	10.2	93
20	Interfacial Study To Suppress Charge Carrier Recombination for High Efficiency Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 26445-26454.	4.0	90
21	Self-Assembled Heavy Lanthanide Orthovanadate Architecture with Controlled Dimensionality and Morphology. <i>Chemistry - A European Journal</i> , 2009, 15, 1233-1240.	1.7	88
22	Electrospun carbon nanofibers with surface-attached platinum nanoparticles as cost-effective and efficient counter electrode for dye-sensitized solar cells. <i>Nano Energy</i> , 2015, 11, 550-556.	8.2	88
23	Rationally Designed n Heterojunction with Highly Efficient Solar Hydrogen Evolution. <i>ChemSusChem</i> , 2015, 8, 1218-1225.	3.6	87
24	3D-hierarchical Cu <sub>3</sub> SnS <sub>4</sub> flowerlike microspheres: controlled synthesis, formation mechanism and photocatalytic activity for H <sub>2</sub> evolution from water. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4316.	5.2	85
25	Rose-like I-doped Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> microspheres with enhanced visible light response: DFT calculation, synthesis and photocatalytic performance. <i>Journal of Hazardous Materials</i> , 2017, 321, 464-472.	6.5	80
26	Nearly monodispersed In(OH) <sub>3</sub> hierarchical nanospheres and nanocubes: tunable ligand-assisted synthesis and their conversion into hierarchical In <sub>2</sub> O <sub>3</sub> for gas sensing. <i>Journal of Materials Chemistry A</i> , 2013, 1, 735-745.	5.2	79
27	3D-hierarchical NiO/graphene nanosheet composites as anodes for lithium ion batteries with improved reversible capacity and cycle stability. <i>RSC Advances</i> , 2012, 2, 3410.	1.7	76
28	Conversion of Cu <sub>2</sub> O nanocrystals into hollow Cu <sub>2</sub> xSe nanocages with the preservation of morphologies. <i>Chemical Communications</i> , 2006, , 4548-4550.	2.2	75
29	CoFe <sub>2</sub> O <sub>4</sub> -Graphene Nanocomposites Synthesized through An Ultrasonic Method with Enhanced Performances as Anode Materials for Li-ion Batteries. <i>Nano-Micro Letters</i> , 2014, 6, 307-315.	14.4	75
30	Improved rate capability of Si/C composite anodes by boron doping for lithium-ion batteries. <i>Electrochemistry Communications</i> , 2013, 36, 29-32.	2.3	71
31	Well-defined CoSe <sub>2</sub> @MoSe <sub>2</sub> hollow heterostructured nanocubes with enhanced dissociation kinetics for overall water splitting. <i>Nanoscale</i> , 2020, 12, 326-335.	2.8	71
32	Synthesis of 3-D Hierarchical Dendrites of Lead Chalcogenides in Large Scale via Microwave-Assistant Method. <i>Crystal Growth and Design</i> , 2007, 7, 425-429.	1.4	70
33	Incorporation of Co into MoS <sub>2</sub> /graphene nanocomposites: One effective way to enhance the cycling stability of Li/Na storage. <i>Journal of Power Sources</i> , 2018, 373, 103-109.	4.0	67
34	TiO <sub>2</sub> coated urchin-like SnO <sub>2</sub> microspheres for efficient dye-sensitized solar cells. <i>Nano Research</i> , 2014, 7, 1154-1163.	5.8	66
35	The Role of Mott-Schottky Heterojunctions in Ag <sub>8</sub> SnS <sub>6</sub> as Counter Electrodes in Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2015, 8, 817-820.	3.6	64
36	3D Hierarchical Co-Al Layered Double Hydroxides with Long-Term Stabilities and High Rate Performances in Supercapacitors. <i>Nano-Micro Letters</i> , 2017, 9, 21.	14.4	58

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37	Silica Wastes to High-Performance Lithium Storage Materials: A Rational Designed Al <sub>2</sub> O <sub>3</sub> Coating Assisted Magnesiothermic Process. <i>Small</i> , 2016, 12, 5281-5287.	5.2	57
38	Three dimensional metal oxides-graphene composites and their applications in lithium ion batteries. <i>RSC Advances</i> , 2015, 5, 8814-8834.	1.7	56
39	Atomically thin layered NiFe double hydroxides assembled 3D microspheres with promoted electrochemical performances. <i>Journal of Power Sources</i> , 2016, 325, 675-681.	4.0	56
40	Band gap-tunable (CuIn) <sub>x</sub> Zn <sub>2</sub> (1-x)S <sub>2</sub> solid solutions: preparation and efficient photocatalytic hydrogen production from water under visible light without noble metals. <i>Journal of Materials Chemistry</i> , 2012, 22, 23929.	6.7	55
41	High power and stable P-doped yolk-shell structured Si@C anode simultaneously enhancing conductivity and Li <sup>+</sup> diffusion kinetics. <i>Nano Research</i> , 2021, 14, 1004-1011.	5.8	55
42	Porous Si@C ball-in-ball hollow spheres for lithium-ion capacitors with improved energy and power densities. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21098-21103.	5.2	52
43	Rational design and fabrication of skeletal Cu <sub>7</sub> S <sub>4</sub> nanocages for efficient counter electrode in quantum dot-sensitized solar cells. <i>Nano Energy</i> , 2015, 12, 186-196.	8.2	51
44	Rice husk-derived hybrid lithium-ion capacitors with ultra-high energy. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24502-24507.	5.2	49
45	A hierarchical CoFeS <sub>2</sub> /reduced graphene oxide composite for highly efficient counter electrodes in dye-sensitized solar cells. <i>Dalton Transactions</i> , 2017, 46, 9511-9516.	1.6	49
46	Catalyst-Free Decarboxylation of Carboxylic Acids and Deoxygenation of Alcohols by Electro-Induced Radical Formation. <i>Chemistry - A European Journal</i> , 2020, 26, 3226-3230.	1.7	49
47	Glycerol-crosslinked PEDOT:PSS as bifunctional binder for Si anodes: Improved interfacial compatibility and conductivity. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 270-277.	5.0	48
48	Incorporation of plasmonic Au nanostars into photoanodes for high efficiency dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 545-551.	5.2	47
49	Improving the catalytic performance of Ni <sub>3</sub> S <sub>4</sub> -PtCo heteronanorods via Mott-Schottky effect toward the reduction of iodine couples in dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2017, 241, 89-97.	2.6	47
50	Control of the morphology and composition of yttrium fluoride via a salt-assisted hydrothermal method. <i>CrystEngComm</i> , 2010, 12, 199-206.	1.3	46
51	Fe <sub>3</sub> C nanoparticles encapsulated in highly crystalline porous graphite: salt-template synthesis and enhanced electrocatalytic oxygen evolution activity and stability. <i>Chemical Communications</i> , 2018, 54, 3158-3161.	2.2	46
52	One-step construction of multi-doped nanoporous carbon-based nanoarchitecture as an advanced bifunctional oxygen electrode for Zn-Air batteries. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118594.	10.8	45
53	Formation of NiFe <sub>2</sub> O <sub>4</sub> /Expanded Graphite Nanocomposites with Superior Lithium Storage Properties. <i>Nano-Micro Letters</i> , 2017, 9, 34.	14.4	42
54	The role of Mott-Schottky heterojunctions in PtCo-Cu <sub>2</sub> ZnGeS <sub>4</sub> as counter electrodes in dye-sensitized solar cells. <i>Chemical Communications</i> , 2015, 51, 8950-8953.	2.2	41

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55	N-type hedgehog-like $\text{CuBi}_2\text{O}_4$ hierarchical microspheres: room temperature synthesis and their photoelectrochemical properties. <i>CrystEngComm</i> , 2015, 17, 4019-4025.	1.3	39
56	Fe doping promoted electrocatalytic $\text{N}_2$ reduction reaction of 2H $\text{MoS}_2$ . <i>Chinese Chemical Letters</i> , 2020, 31, 2487-2490.	4.8	39
57	Efficient Counter Electrode Manufactured from $\text{Ag}_2\text{S}$ Nanocrystal Ink for Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2015, 21, 15153-15157.	1.7	36
58	Multi-functional $\text{NiS}_2/\text{FeS}_2/\text{N}$ -doped carbon nanorods derived from metal-organic frameworks with fast reaction kinetics for high performance overall water splitting and lithium-ion batteries. <i>Journal of Power Sources</i> , 2019, 436, 226857.	4.0	36
59	Synthesis of Ni-doped $\text{NiO}/\text{RGONS}$ nanocomposites with enhanced rate capabilities as anode materials for Li ion batteries. <i>CrystEngComm</i> , 2013, 15, 6663.	1.3	35
60	Direct growth of $\text{SnO}_2$ nanorods on graphene as high capacity anode materials for lithium ion batteries. <i>RSC Advances</i> , 2013, 3, 20573.	1.7	35
61	Efficient $\text{Ag}_8\text{Ge}_6$ counter electrode prepared from nanocrystal ink for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20359-20365.	5.2	35
62	$\text{Na}_2\text{Ge}_4\text{O}_9$ nanoparticles encapsulated in 3D carbon networks with long-term stability and superior rate capability in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10552-10557.	5.2	35
63	Homogenously hexagonal prismatic $\text{AgBiS}_2$ nanocrystals: controlled synthesis and application in quantum dot-sensitized solar cells. <i>CrystEngComm</i> , 2015, 17, 1902-1905.	1.3	34
64	Synergistically Enhanced Electrochemical Performance of $\text{Ni}_3\text{S}_4\text{-PtX}$ ( $\text{X} = \text{Fe}, \text{Ni}$ ) Heteronanorods as Heterogeneous Catalysts in Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 27607-27617.	4.0	32
65	Hierarchical $\text{Cu}_7\text{S}_4$ nanotubes assembled by hexagonal nanoplates with high catalytic performance for quantum dot-sensitized solar cells. <i>Journal of Power Sources</i> , 2015, 299, 212-220.	4.0	31
66	Dye-Sensitized Solar Cells Based on Porous Hollow Tin Oxide Nanofibers. <i>IEEE Transactions on Electron Devices</i> , 2015, 62, 2027-2032.	1.6	29
67	Co stabilized metallic 1Td $\text{MoS}_2$ monolayers: Bottom-up synthesis and enhanced capacitance with ultra-long cycling stability. <i>Materials Today Energy</i> , 2018, 7, 10-17.	2.5	28
68	Chemical Coupled PEDOT:PSS/Si Electrode: Suppressed Electrolyte Consumption Enables Long-Term Stability. <i>Nano-Micro Letters</i> , 2021, 13, 54.	14.4	27
69	Activation of Passive Nanofillers in Composite Polymer Electrolyte for Higher Performance Lithium-Ion Batteries. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700043.	2.7	26
70	Facile Synthesis of Porous $\text{Zn-Sn-O}$ Nanocubes and Their Electrochemical Performances. <i>Nano-Micro Letters</i> , 2016, 8, 174-181.	14.4	25
71	The combination of intercalation and conversion reactions to improve the volumetric capacity of the cathode in $\text{Li-S}$ batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3618-3623.	5.2	25
72	Nanoscale control of grain boundary potential barrier, dopant density and filled trap state density for higher efficiency perovskite solar cells. <i>Informa-Ån-Å-Materi-Åjly</i> , 2020, 2, 409-423.	8.5	25

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73	SnO <sub>2</sub> /C composites fabricated by a biotemplating method from cotton and their electrochemical performances. <i>CrystEngComm</i> , 2014, 16, 3318-3322.	1.3	24
74	Sandwiched Cu <sub>7</sub> S <sub>4</sub> @graphite felt electrode for high performance aqueous polysulfide/iodide redox flow batteries: Enhanced cycling stability and electrocatalytic dynamics of polysulfides. <i>Materials Chemistry and Physics</i> , 2020, 250, 123143.	2.0	24
75	Si@SiO <sub>x</sub> /Graphene Nanosheets Composite: Ball Milling Synthesis and Enhanced Lithium Storage Performance. <i>Frontiers in Materials</i> , 2018, 4, .	1.2	23
76	Low cost, robust, environmentally friendly, wood supported 3D-hierarchical Cu <sub>3</sub> SnS <sub>4</sub> for efficient solar powered steam generation. <i>Journal of Colloid and Interface Science</i> , 2022, 615, 707-715.	5.0	23
77	A candidate strategy to achieve high initial Coulombic efficiency and long cycle life of Si anode materials: exterior carbon coating on porous Si microparticles. <i>Materials Today Energy</i> , 2017, 5, 299-304.	2.5	22
78	Self-Supported NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Nanorod Arrays: Balancing Na <sup>+</sup> and Electron Kinetics via Optimized Carbon Coating for High-Power Sodium-Ion Capacitor. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 50388-50396.	4.0	22
79	Colloidal synthesis of wurtz-stannite Cu <sub>2</sub> CdGeS <sub>4</sub> nanocrystals with high catalytic activity toward iodine redox couples in dye-sensitized solar cells. <i>Chemical Communications</i> , 2016, 52, 10866-10869.	2.2	21
80	AgIn <sub>x</sub> Ga <sub>1-x</sub> S <sub>2</sub> solid solution nanocrystals: synthesis, band gap tuning and photocatalytic activity. <i>CrystEngComm</i> , 2014, 16, 10123-10130.	1.3	20
81	Cube-in-Cube Hollow Cu <sub>9</sub> S <sub>5</sub> Nanostructures with Enhanced Photocatalytic Activities in Solar H <sub>2</sub> Evolution. <i>Chemistry - A European Journal</i> , 2014, 20, 13576-13582.	1.7	19
82	Magnetite modified graphene nanosheets with improved rate performance and cyclic stability for Li ion battery anodes. <i>RSC Advances</i> , 2012, 2, 4397.	1.7	18
83	Hierarchical Cu <sub>2</sub> XSe nanotubes constructed by two-unit-cell-thick nanosheets: room-temperature synthesis and promoted electrocatalytic activity towards polysulfides. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4790-4796.	5.2	18
84	Cu <sub>2</sub> CoGeS <sub>4</sub> nanocrystals for high performance aqueous polysulfide/iodide redox flow batteries: enhanced selectively towards the electrocatalytic conversion of polysulfides. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2892-2899.	2.5	18
85	Copper vacancy activated plasmonic Cu <sub>3-x</sub> SnS <sub>4</sub> for highly efficient photocatalytic hydrogen generation: Broad solar absorption, efficient charge separation and decreased HER overpotential. <i>Nano Research</i> , 2021, 14, 3358-3364.	5.8	18
86	Utilizing the Space-Charge Region of the FeNiLDH/CoP p-n Junction to Promote Performance in Oxygen Evolution Electrocatalysis. <i>Angewandte Chemie</i> , 2019, 131, 12029-12035.	1.6	17
87	Photogenerated reactive oxygen species and hyperthermia by Cu <sub>3</sub> SnS <sub>4</sub> nanoflakes for advanced photocatalytic and photothermal antibacterial therapy. <i>Journal of Nanobiotechnology</i> , 2022, 20, 195.	4.2	15
88	Bromine and oxygen redox species mediated highly selective electro-epoxidation of styrene. <i>Organic Chemistry Frontiers</i> , 2022, 9, 436-444.	2.3	14
89	Design and synthesis of the composites of multiporous NiMnO <sub>3</sub> micro-nano structure spheres and graphene with alleviated side reaction and enhanced performances as anode materials for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 716, 270-277.	2.8	13
90	Asymmetric Activation of the Nitro Group over a Ag/Graphene Heterointerface to Boost Highly Selective Electrocatalytic Reduction of Nitrobenzene. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 25478-25489.	4.0	13

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91	Fe <sub>1-x</sub> Co <sub>x</sub> S <sub>2</sub> Solid Solutions with Tunable Energy Structures to Enhance the Performance of Triiodide Reduction in Dye-Sensitized Solar Cells. <i>ChemNanoMat</i> , 2018, 4, 1043-1047.	1.5	12
92	Flower-like SnS <sub>2</sub> composite with 3D pyrolyzed bacterial cellulose as the anode for lithium-ion batteries with ultralong cycle life and superior rate capability. <i>Dalton Transactions</i> , 2019, 48, 833-838.	1.6	12
93	A Facile Synthesis of Urchin-Like ZnMn <sub>2</sub> O <sub>4</sub> Architectures with Enhanced Electrochemical Lithium Storage. <i>ChemistrySelect</i> , 2020, 5, 1491-1495.	0.7	12
94	Light absorption, photocarrier dynamic properties of hierarchical SnS <sub>2</sub> microspheres and their performances on photodegradation of high concentration Rhodamine B. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 415, 113320.	2.0	11
95	Donor-Acceptor Heterosystem-Functionalized Porous Hollow Carbon Microsphere for High-Performance Li-S Cathode Materials with S up to 93 wt %. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 48872-48880.	4.0	11
96	Controlled synthesis of monodispersed AgGaS <sub>2</sub> 3D nanoflowers and the shape evolution from nanoflowers to colloids. <i>Journal of Solid State Chemistry</i> , 2011, 184, 1227-1235.	1.4	9
97	The fabrication of hollow cubic-like CuInS <sub>2</sub> cages using Cu <sub>2</sub> O crystals as sacrificing template. <i>Materials Chemistry and Physics</i> , 2013, 143, 15-18.	2.0	9
98	Carbon coated porous silicon flakes with high initial coulombic efficiency and long-term cycling stability for lithium ion batteries. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2361-2365.	2.5	7
99	Photovoltaic Counter Electrodes: An Alternative Approach to Extend Light Absorption Spectra and Enhance Performance of Dye-Sensitized Solar Cells. <i>ChemPlusChem</i> , 2019, 84, 241-246.	1.3	7
100	Bioinspired Activation of N <sub>2</sub> on Asymmetrical Coordinated Fe Grafted 1T MoS <sub>2</sub> at Room Temperature. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1898-1904.	2.6	7
101	Artificial cathode solid electrolyte interphase to endow highly stable lithium storage of FeF <sub>2</sub> nanocrystals. <i>Science China Materials</i> , 2022, 65, 629-636.	3.5	7
102	Flow Electrochemistry Enables Microbial Atmospheric CO <sub>2</sub> Fixation via Coupling with Iodine-Mediated Organic Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 541-551.	3.2	7
103	Porous urchin-like 3D Co <sub>ii</sub> Co <sub>iii</sub> layered double hydroxides for high performance heterogeneous Fenton degradation. <i>CrystEngComm</i> , 2021, 23, 1234-1242.	1.3	6
104	Rectified SiC-Fe <sub>2</sub> O <sub>3</sub> heterostructures for high efficient activation and degradation of sulfur hexafluoride in air atmosphere. <i>Chemical Engineering Journal</i> , 2022, 450, 137949.	6.6	6
105	Water Soluble CuInSe <sub>2</sub> Nanoplates: Controlled Synthesis, Photoelectric Response and Electrocatalytic Reduction of Polysulfides. <i>ChemNanoMat</i> , 2015, 1, 52-57.	1.5	5
106	Al <sub>2</sub> O <sub>3</sub> coated metal sulfides: one-pot synthesis and enhanced lithium storage stability via localized in situ conversion reactions. <i>Dalton Transactions</i> , 2017, 46, 1260-1265.	1.6	5
107	Morphology genetic 3D hierarchical SnO <sub>2</sub> microstructures constructed by Sub 5 nm nanocrystals for highly sensitive ethanol-sensor. <i>Nanotechnology</i> , 2021, 32, 485503.	1.3	5
108	Selective Electrosynthesis of 2,5-Diformylfuran in a Continuous-Flow System. <i>ChemSusChem</i> , 2022, 15, .	3.6	5

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109	A highly efficient nano-graphite electron transport layer for high performance ZnO/Si solar cells. Sustainable Energy and Fuels, 2018, 2, 820-826.	2.5	3
110	Cube@Cube Hollow Cu <sub>9</sub> S <sub>5</sub> Nanostructures with Enhanced Photocatalytic Activities in Solar H <sub>2</sub> Evolution. Chemistry - A European Journal, 2014, 20, 13413-13413.	1.7	2
111	Interlocked 3D active carbon fibers and monolithic I-doped Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> structure built by 2D face-to-face interaction: endowed with cycling stability and photocatalytic activity. CrystEngComm, 2021, 23, 3204-3211.	1.3	2
112	A sol-hydrothermal route to truncated tetragonal bipyramid nanocrystals and hierarchical hollow microspheres of anatase TiO <sub>2</sub> for application in dye-sensitized solar cells. RSC Advances, 2016, 6, 69798-69806.	1.7	1
113	Metal Oxide Nanocrystals and Their Properties for Application in Solar Cells. , 2014, , 671-707.		1