

Yijun Zhong

List of Publications by Year in descending order

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152
papers

9,460
citations

28274

55
h-index

43889

91
g-index

157
all docs

157
docs citations

157
times ranked

11903
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization strategies on the advanced engineering of Co-based nanomaterials for electrochemical oxygen evolution. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161929.	5.5	12
2	Engineering hierarchical porous ternary Co-Mn-Cu-S nanodisk arrays for ultra-high-capacity hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 298-307.	9.4	26
3	In-situ photodeposition of cadmium sulfide nanocrystals on manganese dioxide nanorods with rich oxygen vacancies for boosting water-to-oxygen photooxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 764-774.	9.4	19
4	Hierarchical mesoporous S,N-codoped carbon nanostructures composed of Co/Co-Cu-S/carbon nanoplate arrays on carbon nanofibers as a self-supported air cathode for long-lasting rechargeable Zn-air batteries. <i>Science China Technological Sciences</i> , 2022, 65, 693-703.	4.0	6
5	Defect engineering of electrode materials towards superior reaction kinetics for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15267-15296.	10.3	38
6	Molecule-assisted modulation of the high-valence Co ³⁺ in 3D honeycomb-like Co _x S _y networks for high-performance solid-state asymmetric supercapacitors. <i>Science China Materials</i> , 2021, 64, 840-851.	6.3	55
7	New types of hybrid electrolytes for supercapacitors. <i>Journal of Energy Chemistry</i> , 2021, 57, 219-232.	12.9	106
8	Approach of fermi level and electron-trap level in cadmium sulfide nanorods via molybdenum doping with enhanced carrier separation for boosted photocatalytic hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 661-671.	9.4	83
9	Fabrication of an Au ₂₅ -Cys-Mo Electrocatalyst for Efficient Nitrogen Reduction to Ammonia under Ambient Conditions. <i>Small</i> , 2021, 17, e2100372.	10.0	30
10	Recent advances in the synthesis of non-carbon two-dimensional electrode materials for the aqueous electrolyte-based supercapacitors. <i>Chinese Chemical Letters</i> , 2021, 32, 3733-3752.	9.0	14
11	Synergistic effects of Fe and Mn dual-doping in Co ₃ S ₄ ultrathin nanosheets for high-performance hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 226-237.	9.4	46
12	Precise regulation of pyrrole-type single-atom Mn ₄ sites for superior pH-universal oxygen reduction. <i>ACS Catalysis</i> , 2021, 3, 856-865.		60
13	One-step phosphorization preparation of gradient-P-doped CdS/CoP hybrid nanorods having multiple channel charge separation for photocatalytic reduction of water. <i>Journal of Colloid and Interface Science</i> , 2021, 596, 431-441.	9.4	54
14	Oxygen-vacancy-assisted construction of FeOOH/CdS heterostructure as an efficient bifunctional photocatalyst for CO ₂ conversion and water oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 293, 120203.	20.2	71
15	pH-induced hydrothermal synthesis of Bi ₂ WO ₆ nanoplates with controlled crystal facets for switching bifunctional photocatalytic water oxidation/reduction activity. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 868-879.	9.4	27
16	Trifunctional electrocatalyst of N-doped graphitic carbon nanosheets encapsulated with CoFe alloy nanocrystals: The key roles of bimetal components and high-content graphitic-N. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120512.	20.2	120
17	Accelerating Triple Transport in Zinc-Air Batteries and Water Electrolysis by Spatially Confining Co Nanoparticles in Breathable Honeycomb-Like Macroporous N-Doped Carbon. <i>Small</i> , 2021, 17, e2103517.	10.0	43
18	Back Cover Image, Volume 3, Number 6, November 2021. <i>ACS Catalysis</i> , 2021, 3, ii.		0

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19	One-step construction of a transition-metal surface decorated with metal sulfide nanoparticles: A high-efficiency electrocatalyst for hydrogen generation. <i>Journal of Colloid and Interface Science</i> , 2020, 558, 1-8.	9.4	31
20	Hierarchical MoS ₂ /NiCo ₂ S ₄ @C urchin-like hollow microspheres for asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 380, 122544.	12.7	143
21	A one-pot "shielding-to-etching" strategy to synthesize amorphous MoS ₂ modified CoS/Co _{0.85} Se heterostructured nanotube arrays for boosted energy-saving H ₂ generation. <i>Nanoscale</i> , 2020, 12, 991-1001.	5.6	33
22	Thickness-dependent carrier separation in Bi ₂ Fe ₄ O ₉ nanoplates with enhanced photocatalytic water oxidation. <i>Chemical Engineering Journal</i> , 2020, 385, 123929.	12.7	70
23	Hierarchical molybdenum-doped cobaltous hydroxide nanotubes assembled by cross-linked porous nanosheets with efficient electronic modulation toward overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 400-408.	9.4	29
24	Visible-Light-Driven Electrochemical Oxygen Evolution Reaction: NiFe ₂ O ₄ /NiFe Layered Double Hydroxide Z-Scheme Heteronanoshet as a Model. <i>Energy Technology</i> , 2020, 8, 2000607.	3.8	6
25	Hierarchical Cu ₂ S@NiCo-LDH double-shelled nanotube arrays with enhanced electrochemical performance for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22163-22174.	10.3	159
26	Construction of sugar-gourd-shaped CdS/Co _{1-x} S hollow hetero-nanostructure as an efficient Z-scheme photocatalyst for hydrogen generation. <i>Chemical Engineering Journal</i> , 2020, 400, 125925.	12.7	76
27	An efficient and stable Ni-Fe selenides/nitrogen-doped carbon nanotubes in situ-derived electrocatalyst for oxygen evolution reaction. <i>Journal of Materials Science</i> , 2020, 55, 13927-13937.	3.7	27
28	Copolymerization of 2-(perfluorohexyl)ethyl methacrylate with divinylbenzene to fluorophilic porous polymeric materials as fluorophilic absorbents. <i>Microporous and Mesoporous Materials</i> , 2020, 305, 110398.	4.4	2
29	Enhanced Photoactivity and Photostability for Visible-Light-Driven Water Oxidation over BiFeO ₃ Porous Nanotubes by Modification of Mo Doping and Carbon Nanocoating. <i>ChemNanoMat</i> , 2020, 6, 1325-1331.	2.8	24
30	Theoretical Evidence on the Confinement Effect of Pt@UiO-66-NH ₂ for Cinnamaldehyde Hydrogenation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22114-22122.	3.1	28
31	Construction of CoO/CoCu Hierarchical Tubular Heterostructures for Hybrid Supercapacitors. <i>Angewandte Chemie</i> , 2019, 131, 15587-15593.	2.0	80
32	Construction of CoO/CoCu Hierarchical Tubular Heterostructures for Hybrid Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15441-15447.	13.8	346
33	Ammonia-steam treated FeZSM-5 for direct N ₂ O decomposition. <i>Microporous and Mesoporous Materials</i> , 2019, 290, 109655.	4.4	5
34	Facile in situ fabrication of Co nanoparticles embedded in 3D N-enriched mesoporous carbon foam electrocatalyst with enhanced activity and stability toward oxygen reduction reaction. <i>Journal of Materials Science</i> , 2019, 54, 5412-5423.	3.7	47
35	A facile sequential ion exchange strategy to synthesize CoSe ₂ /FeSe ₂ double-shelled hollow nanocuboids for the highly active and stable oxygen evolution reaction. <i>Nanoscale</i> , 2019, 11, 10738-10745.	5.6	80
36	Facile in-situ growth of Ni ₂ P/Fe ₂ P nanohybrids on Ni foam for highly efficient urea electrolysis. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 279-286.	9.4	113

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37	Electronic modulation of composite electrocatalysts derived from layered NiFeMn triple hydroxide nanosheets for boosted overall water splitting. <i>Nanoscale</i> , 2019, 11, 20797-20808.	5.6	30
38	Beyond CoO _x : a versatile amorphous cobalt species as an efficient cocatalyst for visible-light-driven photocatalytic water oxidation. <i>Chemical Communications</i> , 2019, 55, 14050-14053.	4.1	38
39	A new photocatalyst based on Co(CO ₃) _{0.5} (OH)·0.11H ₂ O/Bi ₂ WO ₆ nanocomposites for high-efficiency cocatalyst-free O ₂ evolution. <i>Chemical Engineering Journal</i> , 2019, 359, 924-932.	12.7	59
40	One-Step Solvothermal Formation of Pt Nanoparticles Decorated Pt ²⁺ -Doped γ -Fe ₂ O ₃ Nanoplates with Enhanced Photocatalytic O ₂ Evolution. <i>ACS Catalysis</i> , 2019, 9, 1211-1219.	11.2	167
41	Construction of mesoporous Cu-doped Co ₉ S ₈ rectangular nanotube arrays for high energy density all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5333-5343.	10.3	150
42	A Room-Temperature Postsynthetic Ligand Exchange Strategy to Construct Mesoporous Fe-Doped CoP Hollow Triangle Plate Arrays for Efficient Electrocatalytic Water Splitting. <i>Small</i> , 2018, 14, e1704233.	10.0	244
43	Earth-Abundant Silicon for Facilitating Water Oxidation over Iron-Based Perovskite Electrocatalyst. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701693.	3.7	53
44	Dodecylamine-Induced Synthesis of a Nitrogen-Doped Carbon Comb for Advanced Lithium-Sulfur Battery Cathodes. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701659.	3.7	21
45	Fabrication of Porous Cu-Doped BiVO ₄ Nanotubes as Efficient Oxygen-Evolving Photocatalysts. <i>ACS Applied Nano Materials</i> , 2018, 1, 2589-2599.	5.0	63
46	Electrospinning preparation of Sn ⁴⁺ -doped BiFeO ₃ nanofibers as efficient visible-light-driven photocatalyst for O ₂ evolution. <i>Journal of Alloys and Compounds</i> , 2018, 766, 274-283.	5.5	37
47	Reduced CoNi ₂ S ₄ nanosheets with enhanced conductivity for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2018, 278, 33-41.	5.2	114
48	Scalable fabrication of ZnxCd _{1-x} S double-shell hollow nanospheres for highly efficient hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 309-316.	20.2	82
49	Construction of hierarchical FeP/Ni ₂ P hollow nanospindles for efficient oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14103-14111.	10.3	109
50	Facile preparation of ternary Ag ₂ CO ₃ /Ag/PANI composite nanorods with enhanced photoactivity and stability. <i>Journal of Materials Science</i> , 2017, 52, 4521-4531.	3.7	16
51	A facile sacrificial template method to synthesize one-dimensional porous CdO/CdFe ₂ O ₄ hybrid nanoneedles with superior adsorption performance. <i>RSC Advances</i> , 2017, 7, 5093-5100.	3.6	8
52	High-performance non-enzymatic perovskite sensor for hydrogen peroxide and glucose electrochemical detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 482-491.	7.8	82
53	Mixed Conducting Perovskite Materials as Superior Catalysts for Fast Aqueous-Phase Advanced Oxidation: A Mechanistic Study. <i>ACS Catalysis</i> , 2017, 7, 388-397.	11.2	260
54	One-Step Solvothermal Synthesis of Petalous Carbon-Coated Cu ⁺ -Doped CdS Nanocomposites with Enhanced Photocatalytic Hydrogen Production. <i>Langmuir</i> , 2017, 33, 6719-6726.	3.5	67

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55	Hierarchical Porous Yolk-Shell Carbon Nanosphere for High-Performance Lithium-Sulfur Batteries. Particle and Particle Systems Characterization, 2017, 34, 1600281.	2.3	34
56	Unusual formation of tetragonal microstructures from nitrogen-doped carbon nanocapsules with cobalt nanocores as a bi-functional oxygen electrocatalyst. Journal of Materials Chemistry A, 2017, 5, 2271-2279.	10.3	80
57	A Perovskite Nanorod as Bifunctional Electrocatalyst for Overall Water Splitting. Advanced Energy Materials, 2017, 7, 1602122.	19.5	369
58	Band-gap engineering of porous BiVO ₄ nanoshuttles by Fe and Mo co-doping for efficient photocatalytic water oxidation. Inorganic Chemistry Frontiers, 2017, 4, 2045-2054.	6.0	59
59	Fructose-Derived Hollow Carbon Nanospheres with Ultrathin and Ordered Mesoporous Shells as Cathodes in Lithium-Sulfur Batteries for Fast Energy Storage. Advanced Sustainable Systems, 2017, 1, 1700081.	5.3	27
60	An extremely active and durable Mo ₂ C/graphene-like carbon based electrocatalyst for hydrogen evolution reaction. Materials Today Energy, 2017, 6, 230-237.	4.7	18
61	Facile synthesis of nitrogen-doped carbon nanotubes encapsulating nickel cobalt alloys 3D networks for oxygen evolution reaction in an alkaline solution. Journal of Power Sources, 2017, 338, 26-33.	7.8	105
62	LiNi _{0.29} Co _{0.33} Mn _{0.38} O ₂ polyhedrons with reduced cation mixing as a high-performance cathode material for Li-ion batteries synthesized via a combined co-precipitation and molten salt heating technique. Journal of Alloys and Compounds, 2017, 691, 206-214.	5.5	35
63	High performance porous iron oxide-carbon nanotube nanocomposite as an anode material for lithium-ion batteries. Electrochimica Acta, 2016, 212, 179-186.	5.2	34
64	Phosphorus-Doped Perovskite Oxide as Highly Efficient Water Oxidation Electrocatalyst in Alkaline Solution. Advanced Functional Materials, 2016, 26, 5862-5872.	14.9	271
65	Lithium-Ion Batteries: Mesoporous and Nanostructured TiO ₂ layer with Ultra-High Loading on Nitrogen-Doped Carbon Foams as Flexible and Free-Standing Electrodes for Lithium-Ion Batteries (Small 48/2016). Small, 2016, 12, 6768-6768.	10.0	0
66	One-pot combustion synthesis of Li ₃ VO ₄ -Li ₄ Ti ₅ O ₁₂ nanocomposite as anode material of lithium-ion batteries with improved performance. Electrochimica Acta, 2016, 222, 587-595.	5.2	12
67	Trapping sulfur in hierarchically porous, hollow indented carbon spheres: a high-performance cathode for lithium-sulfur batteries. Journal of Materials Chemistry A, 2016, 4, 9526-9535.	10.3	100
68	Optimal hydrothermal synthesis of hierarchical porous ZnMn ₂ O ₄ microspheres with more porous core for improved lithium storage performance. Electrochimica Acta, 2016, 207, 58-65.	5.2	24
69	Magnetic Core-Shell Nanostructured Palladium Catalysts for Green Oxidation of Benzyl Alcohol. Catalysis Letters, 2016, 146, 1321-1330.	2.6	16
70	Mesoporous and Nanostructured TiO ₂ layer with Ultra-High Loading on Nitrogen-Doped Carbon Foams as Flexible and Free-Standing Electrodes for Lithium-Ion Batteries. Small, 2016, 12, 6724-6734.	10.0	79
71	Facile synthesis of porous Bi ₂ O ₃ -BiVO ₄ p-n heterojunction composite microrods with highly efficient photocatalytic degradation of phenol. Journal of Alloys and Compounds, 2016, 688, 1080-1087.	5.5	60
72	Facile one-pot solvothermal preparation of Mo-doped Bi ₂ WO ₆ biscuit-like microstructures for visible-light-driven photocatalytic water oxidation. Journal of Materials Chemistry A, 2016, 4, 13242-13250.	10.3	88

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73	Highly Active Carbon/MnO ₂ Hybrid Oxygen Reduction Reaction Electrocatalysts. ChemElectroChem, 2016, 3, 1760-1767.	3.4	42
74	Synthesis, Carbonization, and CO ₂ Adsorption Properties of Phloroglucinol-Melamine-Formaldehyde Polymeric Nanofibers. Industrial & Engineering Chemistry Research, 2016, 55, 12667-12674.	3.7	19
75	Surfactant-free self-assembly of reduced graphite oxide-MoO ₂ nanobelt composites used as electrode for lithium-ion batteries. Electrochimica Acta, 2016, 211, 972-981.	5.2	53
76	Direct Generation of Fine Bi ₂ WO ₆ Nanocrystals on g-C ₃ N ₄ Nanosheets for Enhanced Photocatalytic Activity. ChemNanoMat, 2016, 2, 732-738.	2.8	25
77	A hierarchical Zn ₂ Mo ₃ O ₈ nanodots-porous carbon composite as a superior anode for lithium-ion batteries. Chemical Communications, 2016, 52, 9402-9405.	4.1	29
78	Facile synthesis of a MoO ₂ -Mo ₂ C composite and its application as favorable anode material for lithium-ion batteries. Journal of Power Sources, 2016, 307, 552-560.	7.8	98
79	Process Investigation of a Solid Carbon-Fueled Solid Oxide Fuel Cell Integrated with a CO ₂ -Permeating Membrane and a Sintering-Resistant Reverse Boudouard Reaction Catalyst. Energy & Fuels, 2016, 30, 1841-1848.	5.1	16
80	Improved performance of hierarchical Fe-ZSM-5 in the direct oxidation of benzene to phenol by N ₂ O. Microporous and Mesoporous Materials, 2016, 227, 252-257.	4.4	28
81	Synergetic catalysis of palladium nanoparticles encaged within amine-functionalized UiO-66 in the hydrodeoxygenation of vanillin in water. Green Chemistry, 2016, 18, 2900-2908.	9.0	175
82	Simultaneous formation of silica-protected and N-doped TiO ₂ hollow spheres using organic-inorganic silica as self-removed templates. Journal of Materials Chemistry A, 2015, 3, 2234-2241.	10.3	26
83	Facile Conversion of Commercial Coarse-Type LiCoO ₂ to Nanocomposite-Separated Nanolayer Architectures as a Way for Electrode Performance Enhancement. ACS Applied Materials & Interfaces, 2015, 7, 1787-1794.	8.0	17
84	Polyoxometalates confined in the mesoporous cages of metal-organic framework MIL-100(Fe): Efficient heterogeneous catalysts for esterification and acetalization reactions. Chemical Engineering Journal, 2015, 269, 236-244.	12.7	128
85	A Carbon-Air Battery for High Power Generation. Angewandte Chemie - International Edition, 2015, 54, 3722-3725.	13.8	40
86	Facile synthesis of Z-scheme Ag ₂ CO ₃ /Ag/AgBr ternary heterostructured nanorods with improved photostability and photoactivity. Journal of Materials Chemistry A, 2015, 3, 5474-5481.	10.3	123
87	Synthesis of vis/NIR-driven hybrid photocatalysts by electrostatic assembly of NaYF ₄ :Yb, Tm nanocrystals on g-C ₃ N ₄ nanosheets. Materials Letters, 2015, 146, 87-90.	2.6	28
88	Carbon-coated Fe ₃ O ₄ microspheres with a porous multideck-cage structure for highly reversible lithium storage. Chemical Communications, 2015, 51, 6921-6924.	4.1	54
89	Palladium nanoparticles incorporated within sulfonic acid-functionalized MIL-101(Cr) for efficient catalytic conversion of vanillin. Journal of Materials Chemistry A, 2015, 3, 17008-17015.	10.3	107
90	Direct coating ZnO nanocrystals onto 1D Fe ₃ O ₄ /C composite microrods as highly efficient and reusable photocatalysts for water treatment. Journal of Alloys and Compounds, 2015, 637, 301-307.	5.5	23

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91	Facile fabrication of mesoporous BiOCl/(BiO) ₂ CO ₃ /Bi ₂ O ₃ ternary flower-like heterostructured microspheres with high visible-light-driven photoactivity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22413-22420.	10.3	37
92	Facile Formation of Mesoporous BiVO ₄ /Ag/AgCl Heterostructured Microspheres with Enhanced Visible-Light Photoactivity. <i>Inorganic Chemistry</i> , 2015, 54, 9033-9039.	4.0	108
93	Facile formation of Ag ₂ WO ₄ /AgX (X=Cl, Br, I) hybrid nanorods with enhanced visible-light-driven photoelectrochemical properties. <i>Materials Research Bulletin</i> , 2015, 61, 315-320.	5.2	48
94	Facile synthesis of MIL-100(Fe) under HF-free conditions and its application in the acetalization of aldehydes with diols. <i>Chemical Engineering Journal</i> , 2015, 259, 183-190.	12.7	237
95	Hydroxylation of Benzene to Phenol by H ₂ O ₂ over an Inorganic-Organic Dual Modified Heteropolyacid. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 1220-1225.	3.5	7
96	Formation of Mesoporous Heterostructured BiVO ₄ /Bi ₂ S ₃ Hollow Discoids with Enhanced Photoactivity. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5917-5921.	13.8	269
97	Magnetically Responsive Core-Shell Pd/Fe ₃ O ₄ @C Composite Catalysts for the Hydrogenation of Cinnamaldehyde. <i>Catalysis Letters</i> , 2014, 144, 2065-2070.	2.6	13
98	A stepwise loading method to magnetically responsive Pt-Fe ₃ O ₄ /MCNT catalysts for selective hydrogenation of 3-methylcrotonaldehyde. <i>Nanoscale Research Letters</i> , 2014, 9, 2498.	5.7	4
99	Triethylamine-modified Keggin heteropolyacid: a novel phase-transfer catalyst for hydroxylation of benzene with H ₂ O ₂ . <i>Research on Chemical Intermediates</i> , 2014, 40, 1867-1877.	2.7	4
100	Synthesis of sulfonic acid-functionalized MIL-101 for acetalization of aldehydes with diols. <i>Journal of Molecular Catalysis A</i> , 2014, 383-384, 167-171.	4.8	77
101	Facile preparation of 2D sandwich-like CdS nanoparticles/nitrogen-doped reduced graphene oxide hybrid nanosheets with enhanced photoelectrochemical properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19815-19821.	10.3	47
102	Self-assembly of LaF ₃ :Yb,Er/Tm nanoplates into colloidal spheres and tailoring their upconversion emissions with fluorescent dyes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8949-8955.	5.5	14
103	Controllable growth of SnS ₂ /SnO ₂ heterostructured nanoplates via a hydrothermal-assisted self-hydrolysis process and their visible-light-driven photocatalytic reduction of Cr(vi). <i>RSC Advances</i> , 2014, 4, 29698-29701.	3.6	35
104	Rapid formation of Ag _n X (X = S, Cl, PO ₄ , C ₂ O ₄) nanotubes via an acid-etching anion exchange reaction. <i>Nanoscale</i> , 2014, 6, 5612-5615.	5.6	21
105	Synthesis of small yolk-shell Fe ₃ O ₄ @TiO ₂ nanoparticles with controllable thickness as recyclable photocatalysts. <i>RSC Advances</i> , 2014, 4, 8901.	3.6	42
106	<i>In Situ</i> Transmission Electron Microscopy Observation of Electrochemical Sodiation of Individual Co ₉ S ₈ -Filled Carbon Nanotubes. <i>ACS Nano</i> , 2014, 8, 3620-3627.	14.6	76
107	Directly coat TiO ₂ on hydrophobic NaYF ₄ :Yb,Tm nanoplates and regulate their photocatalytic activities with the core size. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13486-13491.	10.3	60
108	Utilizing the Gate-Opening Mechanism in ZIF-7 for Adsorption Discrimination between N ₂ and CO ₂ . <i>Journal of Physical Chemistry C</i> , 2014, 118, 17831-17837.	3.1	51

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109	Enhanced Sulfur Tolerance of Nickel-Based Anodes for Oxygen-Ion Conducting Solid Oxide Fuel Cells by Incorporating a Secondary Water Storing Phase. <i>Environmental Science & Technology</i> , 2014, 48, 12427-12434.	10.0	23
110	Catalytic hydrogenation of 2,3,5-trimethylbenzoquinone over Pd nanoparticles confined in the cages of MIL-101(Cr). <i>Chemical Engineering Journal</i> , 2014, 239, 33-41.	12.7	59
111	In Situ Transmission Electron Microscopy Observation of Electrochemical Behavior of CoS_2 in Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3016-3022.	8.0	129
112	Controllable one-pot synthesis of various one-dimensional Bi_2S_3 nanostructures and their enhanced visible-light-driven photocatalytic reduction of Cr(VI) . <i>Journal of Alloys and Compounds</i> , 2014, 611, 335-340.	5.5	43
113	Atom-Economic Synthesis of Optically Active Warfarin Anticoagulant over a Chiral MOF Organocatalyst. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2538-2543.	4.3	33
114	Highly stable chromium(III) terephthalate metal organic framework (MIL-101) encapsulated 12-tungstophosphoric heteropolyacid as a water-tolerant solid catalyst for hydrolysis and esterification. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 109, 77-89.	1.7	35
115	Polyoxometalate-Based Amphiphilic Catalysts for Selective Oxidation of Benzyl Alcohol with Hydrogen Peroxide under Organic Solvent-Free Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10095-10104.	3.7	46
116	Comparison study on strategies to prepare nanocrystalline Li_2ZrO_3 -based absorbents for CO_2 capture at high temperatures. <i>Frontiers of Chemical Science and Engineering</i> , 2013, 7, 297-302.	4.4	20
117	<i>In Situ</i> Transmission Electron Microscopy Investigation of the Electrochemical Lithiation/De-lithiation of Individual $\text{Co}_9\text{S}_8/\text{Co}$ -Filled Carbon Nanotubes. <i>ACS Nano</i> , 2013, 7, 11379-11387.	14.6	70
118	Facile Cl^- -mediated hydrothermal synthesis of large-scale Ag nanowires from AgCl hydrosol. <i>CrystEngComm</i> , 2013, 15, 2598.	2.6	30
119	A localized crystallization to hierarchical ZSM-5 microspheres aided by silane coupling agent. <i>Journal of Colloid and Interface Science</i> , 2013, 394, 604-610.	9.4	17
120	Facile synthesis of porous bifunctional $\text{Fe}_3\text{O}_4@Y_2\text{O}_3:\text{Ln}$ nanocomposites using carbonized ferrocene as templates. <i>RSC Advances</i> , 2013, 3, 25970.	3.6	4
121	Microwave-assisted deposition of metal sulfide/oxide nanocrystals onto a 3D hierarchical flower-like TiO_2 nanostructure with improved photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8101.	10.3	64
122	A heterostructured $\text{Ag}@In_2\text{S}_3$ composite with enhanced lithium storage capacity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5208.	10.3	13
123	Facile one-pot synthesis of uniform $\text{TiO}_2@Ag$ hybrid hollow spheres with enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2013, 42, 1122-1128.	3.3	114
124	Sulfonic acid-functionalized MIL-101 as a highly recyclable catalyst for esterification. <i>Catalysis Science and Technology</i> , 2013, 3, 2044.	4.1	92
125	Facile synthesis of uniform FeZSM-5 crystals with controlled size and their application to N_2O decomposition. <i>Microporous and Mesoporous Materials</i> , 2013, 167, 38-43.	4.4	14
126	Synthesis of MIL-100(Fe) at Low Temperature and Atmospheric Pressure. <i>Journal of Chemistry</i> , 2013, 2013, 1-4.	1.9	24

#	ARTICLE	IF	CITATIONS
127	Li ₂ ZrO ₃ Nanoparticles as Absorbent for in-Situ Removal of CO ₂ in Water-Gas Shift Reaction to Enhance H ₂ Production. Chinese Journal of Catalysis, 2013, 33, 1572-1577.	14.0	1
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129	Innenbild: Microwave-Assisted Synthesis of Porous Ag ₂ S-Ag Hybrid Nanotubes with High Visible-Light Photocatalytic Activity (Angew. Chem. 46/2012). Angewandte Chemie, 2012, 124, 11807-11807.	2.0	0
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131	Synthesis and characterization of large, pure mordenite crystals. Journal of Porous Materials, 2012, 19, 847-852.	2.6	9
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133	Phase transition of manganese (oxyhydr)oxides nanofibers and their applications to lithium ion batteries and separation membranes. CrystEngComm, 2012, 14, 3142.	2.6	13
134	Selective adsorption of CO ₂ on amino-functionalized silica spheres with centrosymmetric radial mesopores and high amino loading. Adsorption, 2012, 18, 423-430.	3.0	10
135	Facile and rapid synthesis of RGO-In ₂ S ₃ composites with enhanced cyclability and high capacity for lithium storage. Nanoscale, 2012, 4, 7354.	5.6	53
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139	Direct oxidation of benzene to phenol by N ₂ O over meso-Fe-ZSM-5 catalysts obtained via alkaline post-treatment. Catalysis Science and Technology, 2011, 1, 1250.	4.1	41
140	Large-scale synthesis of In ₂ S ₃ nanosheets and their rechargeable lithium-ion battery. Journal of Materials Chemistry, 2011, 21, 17063.	6.7	59
141	A citrate sol-gel method to synthesize Li ₂ ZrO ₃ nanocrystals with improved CO ₂ capture properties. Journal of Materials Chemistry, 2011, 21, 3838.	6.7	73
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143	Salt-induced synthesis of sheet-like SBA-15 under neutral conditions. Journal of Porous Materials, 2011, 18, 553-556.	2.6	0
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146	Synthesis and CO ₂ adsorption property of amino-functionalized silica nanospheres with centrosymmetric radial mesopores. Microporous and Mesoporous Materials, 2010, 132, 552-558.	4.4	38
147	Comparison Study on the Adsorption of CFC-115 and HFC-125 on Activated Carbon and Silicalite-1. Industrial & Engineering Chemistry Research, 2010, 49, 10009-10015.	3.7	17
148	A simple H ₂ O ₂ -assisted route to hollow TiO ₂ structures with different crystal structures and morphologies. Materials Research Bulletin, 2009, 44, 999-1002.	5.2	22
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