Yijun Zhong

List of Publications by Year
in descending order

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152	9,460	28274	43889
papers	citations	55 h-index	91 g-index

157	157	157	11903
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Perovskite Nanorod as Bifunctional Electrocatalyst for Overall Water Splitting. Advanced Energy Materials, 2017, 7, 1602122.	19.5	369
2	Construction of CoO/Coâ€Cuâ€S Hierarchical Tubular Heterostructures for Hybrid Supercapacitors. Angewandte Chemie - International Edition, 2019, 58, 15441-15447.	13.8	346
3	Ultrathin SnO₂ Nanosheets: Oriented Attachment Mechanism, Nonstoichiometric Defects, and Enhanced Lithium-Ion Battery Performances. Journal of Physical Chemistry C, 2012, 116, 4000-4011.	3.1	325
4	Phosphorusâ€Doped Perovskite Oxide as Highly Efficient Water Oxidation Electrocatalyst in Alkaline Solution. Advanced Functional Materials, 2016, 26, 5862-5872.	14.9	271
5	Formation of Mesoporous Heterostructured BiVO₄/Bi₂S₃ Hollow Discoids with Enhanced Photoactivity. Angewandte Chemie - International Edition, 2014, 53, 5917-5921.	13.8	269
6	Mixed Conducting Perovskite Materials as Superior Catalysts for Fast Aqueous-Phase Advanced Oxidation: A Mechanistic Study. ACS Catalysis, 2017, 7, 388-397.	11.2	260
7	A Roomâ€Temperature Postsynthetic Ligand Exchange Strategy to Construct Mesoporous Feâ€Doped CoP Hollow Triangle Plate Arrays for Efficient Electrocatalytic Water Splitting. Small, 2018, 14, e1704233.	10.0	244
8	Facile synthesis of MIL-100(Fe) under HF-free conditions and its application in the acetalization of aldehydes with diols. Chemical Engineering Journal, 2015, 259, 183-190.	12.7	237
9	Microwaveâ€Assisted Synthesis of Porous Ag₂Sâ€“Ag Hybrid Nanotubes with High Visibleâ€Light Photocatalytic Activity. Angewandte Chemie - International Edition, 2012, 51, 11501-11504.	13.8	215
10	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
11	One-Step Solvothermal Formation of Pt Nanoparticles Decorated Pt²⁺-Doped Î±-Fe₂O₃ Nanoplates with Enhanced Photocatalytic O₂ Evolution. ACS Catalysis, 2019, 9, 1211-1219.	11.2	167
12	Hierarchical Cu₂S@NiCo-LDH double-shelled nanotube arrays with enhanced electrochemical performance for hybrid supercapacitors. Journal of Materials Chemistry A, 2020, 8, 22163-22174.	10.3	159
13	Construction of mesoporous Cu-doped Co₉S₈ rectangular nanotube arrays for high energy density all-solid-state asymmetric supercapacitors. Journal of Materials Chemistry A, 2019, 7, 5333-5343.	10.3	150
14	Hierarchical MoS2/NiCo2S4@C urchin-like hollow microspheres for asymmetric supercapacitors. Chemical Engineering Journal, 2020, 380, 122544.	12.7	143
15	In Situ Transmission Electron Microscopy Observation of Electrochemical Behavior of CoS₂ in Lithium-Ion Battery. ACS Applied Materials & Interfaces, 2014, 6, 3016-3022.	8.0	129
16	Polyoxometalates confined in the mesoporous cages of metalâ€“organic framework MIL-100(Fe): Efficient heterogeneous catalysts for esterification and acetalization reactions. Chemical Engineering Journal, 2015, 269, 236-244.	12.7	128
17	Facile synthesis of Z-scheme Ag₂CO₃/Ag/AgBr ternary heterostructured nanorods with improved photostability and photoactivity. Journal of Materials Chemistry A, 2015, 3, 5474-5481.	10.3	123
18	Trifunctional electrocatalyst of N-doped graphitic carbon nanosheets encapsulated with CoFe alloy nanocrystals: The key roles of bimetal components and high-content graphitic-N. Applied Catalysis B: Environmental, 2021, 298, 120512.	20.2	120

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19	Facile one-pot synthesis of uniform TiO2â€“Ag hybrid hollow spheres with enhanced photocatalytic activity. Dalton Transactions, 2013, 42, 1122-1128.	3.3	114
20	Reduced CoNi2S4 nanosheets with enhanced conductivity for high-performance supercapacitors. Electrochimica Acta, 2018, 278, 33-41.	5.2	114
21	Facile in-situ growth of Ni2P/Fe2P nanohybrids on Ni foam for highly efficient urea electrolysis. Journal of Colloid and Interface Science, 2019, 541, 279-286.	9.4	113
22	Construction of hierarchical FeP/Ni₂P hollow nanospindles for efficient oxygen evolution. Journal of Materials Chemistry A, 2018, 6, 14103-14111.	10.3	109
23	Facile Formation of Mesoporous BiVO₄/Ag/AgCl Heterostructured Microspheres with Enhanced Visible-Light Photoactivity. Inorganic Chemistry, 2015, 54, 9033-9039.	4.0	108
24	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
25	New types of hybrid electrolytes for supercapacitors. Journal of Energy Chemistry, 2021, 57, 219-232.	12.9	106
26	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
27	Trapping sulfur in hierarchically porous, hollow indented carbon spheres: a high-performance cathode for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2016, 4, 9526-9535.	10.3	100
28	Facile synthesis of a MoO2â€“Mo2Câ€“C composite and its application as favorable anode material for lithium-ion batteries. Journal of Power Sources, 2016, 307, 552-560.	7.8	98
29	Sulfonic acid-functionalized MIL-101 as a highly recyclable catalyst for esterification. Catalysis Science and Technology, 2013, 3, 2044.	4.1	92
30	Facile one-pot solvothermal preparation of Mo-doped Bi₂WO₆biscuit-like microstructures for visible-light-driven photocatalytic water oxidation. Journal of Materials Chemistry A, 2016, 4, 13242-13250.	10.3	88
31	Approach of fermi level and electron-trap level in cadmium sulfide nanorods via molybdenum doping with enhanced carrier separation for boosted photocatalytic hydrogen production. Journal of Colloid and Interface Science, 2021, 583, 661-671.	9.4	83
32	High-performance non-enzymatic perovskite sensor for hydrogen peroxide and glucose electrochemical detection. Sensors and Actuators B: Chemical, 2017, 244, 482-491.	7.8	82
33	Scalable fabrication of ZnxCd1-xS double-shell hollow nanospheres for highly efficient hydrogen production. Applied Catalysis B: Environmental, 2018, 239, 309-316.	20.2	82
34	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
35	Construction of CoO/Coâ€Cuâ€S Hierarchical Tubular Heterostructures for Hybrid Supercapacitors. Angewandte Chemie, 2019, 131, 15587-15593.	2.0	80
36	A facile sequential ion exchange strategy to synthesize CoSe₂/FeSe₂ double-shelled hollow nanocuboids for the highly active and stable oxygen evolution reaction. Nanoscale, 2019, 11, 10738-10745.	5.6	80

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37	Mesoporous and Nanostructured TiO₂ layer with Ultraâ€High Loading on Nitrogenâ€Doped Carbon Foams as Flexible and Freeâ€Standing Electrodes for Lithiumâ€Ion Batteries. Small, 2016, 12, 6724-6734.	10.0	79
38	Synthesis of sulfonic acid-functionalized MIL-101 for acetalization of aldehydes with diols. Journal of Molecular Catalysis A, 2014, 383-384, 167-171.	4.8	77
39	In Situ Transmission Electron Microscopy Observation of Electrochemical Sodiation of Individual Co₉S₈-Filled Carbon Nanotubes. ACS Nano, 2014, 8, 3620-3627.	14.6	76
40	Construction of sugar-gourd-shaped CdS/Co1-xS hollow hetero-nanostructure as an efficient Z-scheme photocatalyst for hydrogen generation. Chemical Engineering Journal, 2020, 400, 125925.	12.7	76
41	A citrate solâ€“gel method to synthesize Li2ZrO3 nanocrystals with improved CO2 capture properties. Journal of Materials Chemistry, 2011, 21, 3838.	6.7	73
42	Oxygen-vacancy-assisted construction of FeOOH/CdS heterostructure as an efficient bifunctional photocatalyst for CO2 conversion and water oxidation. Applied Catalysis B: Environmental, 2021, 293, 120203.	20.2	71
43	In Situ Transmission Electron Microscopy Investigation of the Electrochemical Lithiationâ€“Delithiation of Individual Co₉S₈/Co-Filled Carbon Nanotubes. ACS Nano, 2013, 7, 11379-11387.	14.6	70
44	Thickness-dependent carrier separation in Bi2Fe4O9 nanoplates with enhanced photocatalytic water oxidation. Chemical Engineering Journal, 2020, 385, 123929.	12.7	70
45	One-Step Solvothermal Synthesis of Petalous Carbon-Coated Cu⁺-Doped CdS Nanocomposites with Enhanced Photocatalytic Hydrogen Production. Langmuir, 2017, 33, 6719-6726.	3.5	67
46	Adsorption of Pb2+ and Cu2+ on anionic surfactant-templated amino-functionalized mesoporous silicas. Chemical Engineering Journal, 2012, 189-190, 160-167.	12.7	65
47	Microwave-assisted deposition of metal sulfide/oxide nanocrystals onto a 3D hierarchical flower-like TiO2 nanostructure with improved photocatalytic activity. Journal of Materials Chemistry A, 2013, 1, 8101.	10.3	64
48	One-Pot Synthesis and CO₂ Adsorption Properties of Ordered Mesoporous SBA-15 Materials Functionalized with APTMS. Journal of Physical Chemistry C, 2011, 115, 12873-12882.	3.1	63
49	Fabrication of Porous Cu-Doped BiVO₄ Nanotubes as Efficient Oxygen-Evolving Photocatalysts. ACS Applied Nano Materials, 2018, 1, 2589-2599.	5.0	63
50	Directly coat TiO₂ on hydrophobic NaYF₄:Yb,Tm nanoplates and regulate their photocatalytic activities with the core size. Journal of Materials Chemistry A, 2014, 2, 13486-13491.	10.3	60
51	Facile synthesis of porous Bi2O3-BiVO4 p-n heterojunction composite microrods with highly efficient photocatalytic degradation of phenol. Journal of Alloys and Compounds, 2016, 688, 1080-1087.	5.5	60
52	Precise regulation of pyrroleâ€type singleâ€atom Mnâ€N₄ sites for superior pHâ€universal oxygen reduction. , 2021, 3, 856-865.		60
53	Large-scale synthesis of In2S3 nanosheets and their rechargeable lithium-ion battery. Journal of Materials Chemistry, 2011, 21, 17063.	6.7	59
54	Catalytic hydrogenation of 2,3,5-trimethylbenzoquinone over Pd nanoparticles confined in the cages of MIL-101(Cr). Chemical Engineering Journal, 2014, 239, 33-41.	12.7	59

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55	Band-gap engineering of porous BiVO₄ nanoshuttles by Fe and Mo co-doping for efficient photocatalytic water oxidation. Inorganic Chemistry Frontiers, 2017, 4, 2045-2054.	6.0	59
56	A new photocatalyst based on Co(CO3)0.5(OH)Â·0.11H2O/Bi2WO6 nanocomposites for high-efficiency cocatalyst-free O2 evolution. Chemical Engineering Journal, 2019, 359, 924-932.	12.7	59
57	Molecule-assisted modulation of the high-valence Co3+ in 3D honeycomb-like CoxSy networks for high-performance solid-state asymmetric supercapacitors. Science China Materials, 2021, 64, 840-851.	6.3	55
58	Citrate route to prepare K-doped Li2ZrO3 sorbents with excellent CO2 capture properties. Chemical Engineering Journal, 2011, 174, 231-235.	12.7	54
59	Carbon-coated Fe₃O₄ microspheres with a porous multideck-cage structure for highly reversible lithium storage. Chemical Communications, 2015, 51, 6921-6924.	4.1	54
60	One-step phosphorization preparation of gradient-P-doped CdS/CoP hybrid nanorods having multiple channel charge separation for photocatalytic reduction of water. Journal of Colloid and Interface Science, 2021, 596, 431-441.	9.4	54
61	Facile and rapid synthesis of RGOâ€“In2S3 composites with enhanced cyclability and high capacity for lithium storage. Nanoscale, 2012, 4, 7354.	5.6	53
62	Surfactant-free self-assembly of reduced graphite oxide-MoO2 nanobelt composites used as electrode for lithium-ion batteries. Electrochimica Acta, 2016, 211, 972-981.	5.2	53
63	Earthâ€Abundant Silicon for Facilitating Water Oxidation over Ironâ€Based Perovskite Electrocatalyst. Advanced Materials Interfaces, 2018, 5, 1701693.	3.7	53
64	Utilizing the Gate-Opening Mechanism in ZIF-7 for Adsorption Discrimination between N₂O and CO₂. Journal of Physical Chemistry C, 2014, 118, 17831-17837.	3.1	51
65	Facile formation of Ag2WO4/AgX (X=Cl, Br, I) hybrid nanorods with enhanced visible-light-driven photoelectrochemical properties. Materials Research Bulletin, 2015, 61, 315-320.	5.2	48
66	Facile preparation of 2D sandwich-like CdS nanoparticles/nitrogen-doped reduced graphene oxide hybrid nanosheets with enhanced photoelectrochemical properties. Journal of Materials Chemistry A, 2014, 2, 19815-19821.	10.3	47
67	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. Journal of Materials Science, 2019, 54, 5412-5423.	3.7	47
68	Polyoxometalate-Based Amphiphilic Catalysts for Selective Oxidation of Benzyl Alcohol with Hydrogen Peroxide under Organic Solvent-Free Conditions. Industrial & Engineering Chemistry Research, 2013, 52, 10095-10104.	3.7	46
69	Synergistic effects of Fe and Mn dual-doping in Co3S4 ultrathin nanosheets for high-performance hybrid supercapacitors. Journal of Colloid and Interface Science, 2021, 590, 226-237.	9.4	46
70	Controllable one-pot synthesis of various one-dimensional Bi2S3 nanostructures and their enhanced visible-light-driven photocatalytic reduction of Cr(VI). Journal of Alloys and Compounds, 2014, 611, 335-340.	5.5	43
71	Accelerating Triple Transport in Zincâ€Air Batteries and Water Electrolysis by Spatially Confining Co Nanoparticles in Breathable Honeycombâ€Like Macroporous Nâ€Doped Carbon. Small, 2021, 17, e2103517.	10.0	43
72	Synthesis of small yolkâ€“shell Fe3O4@TiO2 nanoparticles with controllable thickness as recyclable photocatalysts. RSC Advances, 2014, 4, 8901.	3.6	42

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73	Highly Active Carbon/Î±â€MnO₂ Hybrid Oxygen Reduction Reaction Electrocatalysts. ChemElectroChem, 2016, 3, 1760-1767.	3.4	42
74	Direct oxidation of benzene to phenol by N2O over meso-Fe-ZSM-5 catalysts obtained via alkaline post-treatment. Catalysis Science and Technology, 2011, 1, 1250.	4.1	41
75	A Carbonâ€“Air Battery for High Power Generation. Angewandte Chemie - International Edition, 2015, 54, 3722-3725.	13.8	40
76	Synthesis and CO2 adsorption property of amino-functionalized silica nanospheres with centrosymmetric radial mesopores. Microporous and Mesoporous Materials, 2010, 132, 552-558.	4.4	38
77	Beyond CoO_x: a versatile amorphous cobalt species as an efficient cocatalyst for visible-light-driven photocatalytic water oxidation. Chemical Communications, 2019, 55, 14050-14053.	4.1	38
78	Defect engineering of electrode materials towards superior reaction kinetics for high-performance supercapacitors. Journal of Materials Chemistry A, 2022, 10, 15267-15296.	10.3	38
79	Facile fabrication of mesoporous BiOCl/(BiO)₂CO₃/Bi₂O₃ ternary flower-like heterostructured microspheres with high visible-light-driven photoactivity. Journal of Materials Chemistry A, 2015, 3, 22413-22420.	10.3	37
80	Electrospinning preparation of Sn4+-doped BiFeO3 nanofibers as efficient visible-light-driven photocatalyst for O2 evolution. Journal of Alloys and Compounds, 2018, 766, 274-283.	5.5	37
81	Highly stable chromium(III) terephthalate metal organic framework (MIL-101) encapsulated 12-tungstophosphoric heteropolyacid as a water-tolerant solid catalyst for hydrolysis and esterification. Reaction Kinetics, Mechanisms and Catalysis, 2013, 109, 77-89.	1.7	35
82	Controllable growth of SnS2/SnO2 heterostructured nanoplates via a hydrothermal-assisted self-hydrolysis process and their visible-light-driven photocatalytic reduction of Cr(vi). RSC Advances, 2014, 4, 29698-29701.	3.6	35
83	LiNi0.29Co0.33Mn0.38O2 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
84	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
85	Hierarchical Porous Yolkâ€“Shell Carbon Nanosphere for Highâ€Performance Lithiumâ€“Sulfur Batteries. Particle and Particle Systems Characterization, 2017, 34, 1600281.	2.3	34
86	Atomâ€Economic Synthesis of Optically Active Warfarin Anticoagulant over a Chiral MOF Organocatalyst. Advanced Synthesis and Catalysis, 2013, 355, 2538-2543.	4.3	33
87	A one-pot â€œshielding-to-etchingâ€•strategy to synthesize amorphous MoS₂ modified CoS/Co_{0.85}Se heterostructured nanotube arrays for boosted energy-saving H₂ generation. Nanoscale, 2020, 12, 991-1001.	5.6	33
88	One-pot synthesis of nitroalkenes via the Henry reaction over amino-functionalized MIL-101 catalysts. Catalysis Communications, 2012, 29, 101-104.	3.3	32
89	One-step construction of a transition-metal surface decorated with metal sulfide nanoparticles: A high-efficiency electrocatalyst for hydrogen generation. Journal of Colloid and Interface Science, 2020, 558, 1-8.	9.4	31
90	Facile Clâ¯-mediated hydrothermal synthesis of large-scale Ag nanowires from AgCl hydrosol. CrystEngComm, 2013, 15, 2598.	2.6	30

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91	Electronic modulation of composite electrocatalysts derived from layered NiFeMn triple hydroxide nanosheets for boosted overall water splitting. Nanoscale, 2019, 11, 20797-20808.	5.6	30
92	Fabrication of an Au₂₅â€Cysâ€Mo Electrocatalyst for Efficient Nitrogen Reduction to Ammonia under Ambient Conditions. Small, 2021, 17, e2100372.	10.0	30
93	A hierarchical Zn₂Mo₃O₈ nanodotsâ€“porous carbon composite as a superior anode for lithium-ion batteries. Chemical Communications, 2016, 52, 9402-9405.	4.1	29
94	Hierarchical molybdenum-doped cobaltous hydroxide nanotubes assembled by cross-linked porous nanosheets with efficient electronic modulation toward overall water splitting. Journal of Colloid and Interface Science, 2020, 562, 400-408.	9.4	29
95	Synthesis of vis/NIR-driven hybrid photocatalysts by electrostatic assembly of NaYF4:Yb, Tm nanocrystals on g-C3N4 nanosheets. Materials Letters, 2015, 146, 87-90.	2.6	28
96	Improved performance of hierarchical Fe-ZSM-5 in the direct oxidation of benzene to phenol by N2O. Microporous and Mesoporous Materials, 2016, 227, 252-257.	4.4	28
97	Theoretical Evidence on the Confinement Effect of Pt@UiO-66-NH₂ for Cinnamaldehyde Hydrogenation. Journal of Physical Chemistry C, 2019, 123, 22114-22122.	3.1	28
98	Fructoseâ€Derived Hollow Carbon Nanospheres with Ultrathin and Ordered Mesoporous Shells as Cathodes in Lithiumâ€“Sulfur Batteries for Fast Energy Storage. Advanced Sustainable Systems, 2017, 1, 1700081.	5.3	27
99	An efficient and stable Niâ€“Fe selenides/nitrogen-doped carbon nanotubes in situ-derived electrocatalyst for oxygen evolution reaction. Journal of Materials Science, 2020, 55, 13927-13937.	3.7	27
100	pH-induced hydrothermal synthesis of Bi2WO6 nanoplates with controlled crystal facets for switching bifunctional photocatalytic water oxidation/reduction activity. Journal of Colloid and Interface Science, 2021, 602, 868-879.	9.4	27
101	Simultaneous formation of silica-protected and N-doped TiO₂ hollow spheres using organicâ€“inorganic silica as self-removed templates. Journal of Materials Chemistry A, 2015, 3, 2234-2241.	10.3	26
102	Engineering hierarchical porous ternary Co-Mn-Cu-S nanodisk arrays for ultra-high-capacity hybrid supercapacitors. Journal of Colloid and Interface Science, 2022, 612, 298-307.	9.4	26
103	Adsorption of Nitrous Oxide on Activated Carbons. Journal of Chemical & Engineering Data, 2009, 54, 3079-3081.	1.9	25
104	A Facile Starchâ€Assisted Solâ€“Gel Method to Synthesize Kâ€Doped <scp><scp>Li</scp></scp>₂<scp><scp>ZrO</scp></scp>₃ Sorbents with Excellent <scp><scp>CO</scp></scp>₂ Capture Properties. Journal of the American Ceramic Society, 2012, 95, 1544-1548.	3.8	25
105	Direct Generation of Fine Bi₂WO₆ Nanocrystals on gâ€C₃N₄ Nanosheets for Enhanced Photocatalytic Activity. ChemNanoMat, 2016, 2, 732-738.	2.8	25
106	Synthesis of MIL-100(Fe) at Low Temperature and Atmospheric Pressure. Journal of Chemistry, 2013, 2013, 1-4.	1.9	24
107	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
108	Enhanced Photoactivity and Photostability for Visibleâ€Lightâ€Driven Water Oxidation over BiFeO₃ Porous Nanotubes by Modification of Mo Doping and Carbon Nanocoating. ChemNanoMat, 2020, 6, 1325-1331.	2.8	24

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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. Environmental Science & Technology, 2014, 48, 12427-12434.	10.0	23
110	Direct coating ZnO nanocrystals onto 1D Fe3O4/C composite microrods as highly efficient and reusable photocatalysts for water treatment. Journal of Alloys and Compounds, 2015, 637, 301-307.	5.5	23
111	A simple H2O2-assisted route to hollow TiO2 structures with different crystal structures and morphologies. Materials Research Bulletin, 2009, 44, 999-1002.	5.2	22
112	Rapid formation of AgnX(X = S, Cl, PO4, C2O4) nanotubes via an acid-etching anion exchange reaction. Nanoscale, 2014, 6, 5612-5615.	5.6	21
113	Dodecylamineâ€Induced Synthesis of a Nitrogenâ€Doped Carbon Comb for Advanced Lithiumâ€“Sulfur Battery Cathodes. Advanced Materials Interfaces, 2018, 5, 1701659.	3.7	21
114	Comparison study on strategies to prepare nanocrystalline Li2ZrO3-based absorbents for CO2 capture at high temperatures. Frontiers of Chemical Science and Engineering, 2013, 7, 297-302.	4.4	20
115	Synthesis, Carbonization, and CO₂ Adsorption Properties of Phloroglucinolâ€“Melamineâ€“Formaldehyde Polymeric Nanofibers. Industrial & Engineering Chemistry Research, 2016, 55, 12667-12674.	3.7	19
116	In-situ photodeposition of cadmium sulfide nanocrystals on manganese dioxide nanorods with rich oxygen vacancies for boosting water-to-oxygen photooxidation. Journal of Colloid and Interface Science, 2022, 613, 764-774.	9.4	19
117	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
118	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
119	A localized crystallization to hierarchical ZSM-5 microspheres aided by silane coupling agent. Journal of Colloid and Interface Science, 2013, 394, 604-610.	9.4	17
120	Facile Conversion of Commercial Coarse-Type LiCoO₂ to Nanocomposite-Separated Nanolayer Architectures as a Way for Electrode Performance Enhancement. ACS Applied Materials & Interfaces, 2015, 7, 1787-1794.	8.0	17
121	Magnetic Coreâ€“Shell Nanostructured Palladium Catalysts for Green Oxidation of Benzyl Alcohol. Catalysis Letters, 2016, 146, 1321-1330.	2.6	16
122	Process Investigation of a Solid Carbon-Fueled Solid Oxide Fuel Cell Integrated with a CO₂-Permeating Membrane and a Sintering-Resistant Reverse Boudouard Reaction Catalyst. Energy & Fuels, 2016, 30, 1841-1848.	5.1	16
123	Facile preparation of ternary Ag2CO3/Ag/PANI composite nanorods with enhanced photoactivity and stability. Journal of Materials Science, 2017, 52, 4521-4531.	3.7	16
124	Deactivation of Pd/C catalysts in the hydrodechlorination of the chlorofluorocarbons CFC-115 and CFC-12. Catalysis Today, 2011, 175, 615-618.	4.4	15
125	Facile synthesis of uniform FeZSM-5 crystals with controlled size and their application to N2O decomposition. Microporous and Mesoporous Materials, 2013, 167, 38-43.	4.4	14
126	Self-assembly of LaF₃:Yb,Er/Tm nanoplates into colloidal spheres and tailoring their upconversion emissions with fluorescent dyes. Journal of Materials Chemistry C, 2014, 2, 8949-8955.	5.5	14

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127	Recent advances in the synthesis of non-carbon two-dimensional electrode materials for the aqueous electrolyte-based supercapacitors. Chinese Chemical Letters, 2021, 32, 3733-3752.	9.0	14
128	Facile Low-Temperature Synthesis of Carbon Nanotube/ Nanohybrids with Enhanced Visible-Light-Driven Photocatalytic Activity. International Journal of Photoenergy, 2012, 2012, 1-6.	2.5	13
129	Phase transition of manganese (oxyhydr)oxides nanofibers and their applications to lithium ion batteries and separation membranes. CrystEngComm, 2012, 14, 3142.	2.6	13
130	A heterostructured Ag@In2S3 composite with enhanced lithium storage capacity. Journal of Materials Chemistry A, 2013, 1, 5208.	10.3	13
131	Magnetically Responsive Coreâ€“Shell Pd/Fe3O4@C Composite Catalysts for the Hydrogenation of Cinnamaldehyde. Catalysis Letters, 2014, 144, 2065-2070.	2.6	13
132	One-pot combustion synthesis of Li3VO4-Li4Ti5O12 nanocomposite as anode material of lithium-ion batteries with improved performance. Electrochimica Acta, 2016, 222, 587-595.	5.2	12
133	Optimization strategies on the advanced engineering of Co-based nanomaterials for electrochemical oxygen evolution. Journal of Alloys and Compounds, 2022, 890, 161929.	5.5	12
134	Fabrication of zeolite-4A membranes on a catalyst particle level. Chemical Communications, 2006, , 2911.	4.1	11
135	Selective adsorption of CO2 on amino-functionalized silica spheres with centrosymmetric radial mesopores and high amino loading. Adsorption, 2012, 18, 423-430.	3.0	10
136	Synthesis and characterization of large, pure mordenite crystals. Journal of Porous Materials, 2012, 19, 847-852.	2.6	9
137	A facile sacrificial template method to synthesize one-dimensional porous CdO/CdFe₂O₄ hybrid nanoneedles with superior adsorption performance. RSC Advances, 2017, 7, 5093-5100.	3.6	8
138	Synthesis of bimodal mesoporous molecular sieves under mild conditions with salts as mineralization agents. Microporous and Mesoporous Materials, 2008, 116, 339-343.	4.4	7
139	Hydroxylation of Benzene to Phenol by H2O2 over an Inorganicâ€“Organic Dual Modified Heteropolyacid. Chinese Journal of Chemical Engineering, 2014, 22, 1220-1225.	3.5	7
140	Visibleâ€Lightâ€Driven Electrocatalytic Oxygen Evolution Reaction: NiFe₂O₄/NiFeâ€“Layered Double Hydroxide Zâ€Scheme Heteronanosheet as a Model. Energy Technology, 2020, 8, 2000607.	3.8	6
141	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. Science China Technological Sciences, 2022, 65, 693-703.	4.0	6
142	Ammonia-steam treated FeZSM-5 for direct N2O decomposition. Microporous and Mesoporous Materials, 2019, 290, 109655.	4.4	5
143	Facile synthesis of porous bifunctional Fe3O4@Y2O3:Ln nanocomposites using carbonized ferrocene as templates. RSC Advances, 2013, 3, 25970.	3.6	4
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152	Back Cover Image, Volume 3, Number 6, November 2021. , 2021, 3, ii.		0