

Hongen Wang

List of Publications by Year in descending order

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184
papers

13,476
citations

16451

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110
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docs citations

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times ranked

16431
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding Dual-Polar Group Functionalized COFs for Accelerating Li ⁺ Ion Transport and Dendrite-Free Deposition in Lithium Metal Anodes. <i>Energy and Environmental Materials</i> , 2023, 6, .	12.8	41
2	Recent advance on Co-based materials for polysulfide catalysis toward promoted lithium-sulfur batteries. <i>Nano Select</i> , 2022, 3, 298-319.	3.7	9
3	High-performance ternary organic photovoltaics with NC ₇₀ BA as the third component material enabling thickness-insensitive photoactive performance. <i>Nanotechnology</i> , 2022, 33, 065206.	2.6	1
4	Ternary organic photovoltaics with good thickness tolerance by NC70BA as the third component. <i>Organic Electronics</i> , 2022, 100, 106397.	2.6	1
5	Phase Conversion Accelerating Zn ²⁺ Escape Effect in ZnSe/CFs Heterostructure for High Performance Sodium Ion Half/Full Batteries. <i>Small</i> , 2022, 18, 2105169.	10.0	7
6	Structural engineering of tin sulfides anchored on nitrogen/phosphorus dual-doped carbon nanofibres in sodium/potassium-ion batteries. <i>Carbon</i> , 2022, 189, 46-56.	10.3	86
7	Improving all ternary small-molecule organic solar cells by optimizing short wavelength photon harvesting and exciton dissociation based on a bisadduct analogue of [70]PCBM as a third component material. <i>Sustainable Energy and Fuels</i> , 2022, 6, 744-755.	4.9	3
8	NiFe-LDHs@MnO ₂ heterostructure as a bifunctional electrocatalyst for oxygen-involved reactions and Zn-air batteries. <i>Ionics</i> , 2022, 28, 1273-1283.	2.4	11
9	Three-dimensional ordered hierarchically porous carbon materials for high performance Li-Se battery. <i>Journal of Energy Chemistry</i> , 2022, 68, 624-636.	12.9	23
10	Ternary organic solar cells with double side chain fullerene derivative as guest electron acceptors in PM7:Y6 blend films. <i>Organic Electronics</i> , 2022, 103, 106465.	2.6	4
11	The chain-mail Co@C electrocatalyst accelerating one-step solid-phase redox for advanced Li-Se batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8059-8067.	10.3	11
12	Porous MoS ₂ nanosheets for the fast decomposition of energetic compounds. <i>Dalton Transactions</i> , 2022, 51, 5278-5284.	3.3	4
13	Macro/Mesoporous Carbon/Defective TiO ₂ Composite as a Functional Host for Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 2573-2579.	5.1	24
14	Synchronous Defect and Interface Engineering of NiMoO ₄ Nanowire Arrays for High-Performance Supercapacitors. <i>Nanomaterials</i> , 2022, 12, 1094.	4.1	23
15	High efficiency inverted organic solar cells with photo annealing titanium oxide films as electron extract layer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 642, 128698.	4.7	1
16	Gradient selenium-doping regulating interfacial charge transfer in zinc sulfide/carbon anode for stable lithium storage. <i>Journal of Colloid and Interface Science</i> , 2022, 619, 42-50.	9.4	5
17	Inverted Nonfullerene Polymer Solar Cells with Photoannealed Cs ₂ CO ₃ Films as Electron Extraction Layers. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	4
18	Two Well-Compatible Acceptors with Red-Shifted Absorption Edge and Cascaded LUMO Levels Enable Ternary Organic Photovoltaic Exhibiting Efficient Photovoltaic Performance. <i>ACS Applied Energy Materials</i> , 2022, 5, 1076-1084.	5.1	2

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19	Unprecedented strong and reversible atomic orbital hybridization enables a highly stable Li-S battery. National Science Review, 2022, 9, .	9.5	15
20	Copper doped CoS _x @Co(OH) ₂ hierarchical mesoporous nanosheet arrays as binder-free electrodes for superior supercapacitors. Journal of Alloys and Compounds, 2022, 911, 165115.	5.5	18
21	Stabilizing intermediate phases <i>via</i> the efficient confinement effects of the SnS ₂ -SPAN fibre composite for ultra-stable half/full sodium/potassium-ion batteries. Journal of Materials Chemistry A, 2022, 10, 11449-11457.	10.3	36
22	Adsorption&Catalysis&Conversion of Polysulfides in Sandwiched Ultrathin Ni(OH) ₂ @PANI for Stable Lithium&Sulfur Batteries. Small, 2022, 18, .	10.0	18
23	Pt-Modified Interfacial Engineering for Enhanced Photocatalytic Performance of 3D Ordered Macroporous TiO ₂ . Crystals, 2022, 12, 778.	2.2	5
24	Boosting reaction kinetics and shuttle effect suppression by single crystal MOF-derived N-doped ordered hierarchically porous carbon for high performance Li-Se battery. Science China Materials, 2022, 65, 2975-2988.	6.3	4
25	Dual catalysis-adsorption function modified separator towards high-performance Li-Se battery. Applied Surface Science, 2022, 599, 153932.	6.1	7
26	Fabrication of Zn-Cu-Ni Ternary Oxides in Nanoarrays for Photo-Enhanced Pseudocapacitive Charge Storage. Nanomaterials, 2022, 12, 2457.	4.1	1
27	Melamine-based polymer networks enabled N, O, S Co-doped defect-rich hierarchically porous carbon nanobelts for stable and long-cycle Li-ion and Li-Se batteries. Journal of Colloid and Interface Science, 2021, 582, 60-69.	9.4	34
28	Enhancing sodium-ion storage performance of MoO ₂ /N-doped carbon through interfacial Mo-N-C bond. Science China Materials, 2021, 64, 85-95.	6.3	48
29	Interwoven scaffolded porous titanium oxide nanocubes/carbon nanotubes framework for high-performance sodium-ion battery. Journal of Energy Chemistry, 2021, 59, 38-46.	12.9	25
30	Topological Insulator&Assisted MoSe ₂ /Bi ₂ Se ₃ Heterostructure: Achieving Fast Reaction Kinetics Toward High Rate Sodium&Ion Batteries. ChemElectroChem, 2021, 8, 697-704.	3.4	32
31	NiS ₂ wrapped into graphene with strong Ni-O interaction for advanced sodium and potassium ion batteries. Electrochimica Acta, 2021, 369, 137704.	5.2	21
32	Hierarchical Fe ₂ O ₃ @MoS ₂ /C Nanorods as Anode Materials for Sodium Ion Batteries with High Cycle Stability. ACS Applied Energy Materials, 2021, 4, 3757-3765.	5.1	12
33	Hollow Co&Mo&Se nanosheet arrays derived from metal-organic framework for high-performance supercapacitors. Journal of Power Sources, 2021, 490, 229532.	7.8	79
34	Regulating safety and energy release of energetic materials by manipulation of molybdenum disulfide phase. Chemical Engineering Journal, 2021, 411, 128603.	12.7	25
35	Embedding tin disulfide nanoparticles in two-dimensional porous carbon nanosheet interlayers for fast-charging lithium-sulfur batteries. Science China Materials, 2021, 64, 2697-2709.	6.3	16
36	Emerging of Heterostructure Materials in Energy Storage: A Review. Advanced Materials, 2021, 33, e2100855.	21.0	308

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37	Sodium-ion storage mechanisms and design strategies of molybdenum-based materials: A review. <i>Applied Materials Today</i> , 2021, 23, 100985.	4.3	8
38	Towards high-performance all-solid-state asymmetric supercapacitors: A hierarchical doughnut-like Ni ₃ S ₂ @PPy core-shell heterostructure on nickel foam electrode and density functional theory calculations. <i>Journal of Power Sources</i> , 2021, 501, 230003.	7.8	67
39	Enhanced Short-Wavelength Absorption and Effective Exciton Dissociation in NC70BA-Based Ternary Polymer Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 8432-8441.	5.1	7
40	Alkoxide hydrolysis in-situ constructing robust trimanganese tetraoxide/graphene composite for high-performance lithium storage. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 531-539.	9.4	11
41	Ternary polymer solar cells by employing two well-compatible donors with cascade energy levels. <i>Dyes and Pigments</i> , 2021, 192, 109424.	3.7	5
42	Optimizing inner voids in yolk-shell TiO ₂ nanostructure for high-performance and ultralong-life lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2021, 417, 129241.	12.7	42
43	Phase-junction Ag/TiO ₂ nanocomposite as photocathode for H ₂ generation. <i>Journal of Materials Science and Technology</i> , 2021, 83, 179-187.	10.7	52
44	PtO nanodots promoting Ti ₃ C ₂ MXene in-situ converted Ti ₃ C ₂ /TiO ₂ composites for photocatalytic hydrogen production. <i>Chemical Engineering Journal</i> , 2021, 420, 129695.	12.7	88
45	Tris(trimethylsilyl) borate as electrolyte additive alleviating cathode electrolyte interphase for enhanced lithium-selenium battery. <i>Electrochimica Acta</i> , 2021, 393, 139042.	5.2	12
46	Understanding the effect of the double side chain fullerene derivative as third component materials on the charge dynamics and photovoltaic performance. <i>Solar Energy</i> , 2021, 230, 549-557.	6.1	4
47	Lithium Storage Performance and Investigation of Electrochemical Mechanism of Cobalt Vanadate Nanowires Assembled by Nanosheets. <i>ACS Applied Energy Materials</i> , 2021, 4, 13401-13409.	5.1	12
48	MoSe ₂ nanoplatelets with enriched active edge sites for superior sodium-ion storage and enhanced alkaline hydrogen evolution activity. <i>Chemical Engineering Journal</i> , 2020, 382, 123047.	12.7	46
49	Dual interface coupled molybdenum diselenide for high-performance sodium ion batteries and capacitors. <i>Journal of Power Sources</i> , 2020, 446, 227298.	7.8	25
50	SnO ₂ nano-mulberries anchored onto RGO nanosheets for lithium ion batteries. <i>Journal of Materials Research</i> , 2020, 35, 20-30.	2.6	1
51	Hollow nitrogen-doped carbon/sulfur@MnO ₂ nanocomposite with structural and chemical dual-encapsulation for lithium-sulfur battery. <i>Chemical Engineering Journal</i> , 2020, 381, 122746.	12.7	66
52	A flexible, hierarchically porous PANI/MnO ₂ network with fast channels and an extraordinary chemical process for stable fast-charging lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2741-2751.	10.3	50
53	A new catalyst for urea oxidation: NiCo ₂ S ₄ nanowires modified 3D carbon sponge. <i>Journal of Energy Chemistry</i> , 2020, 50, 195-205.	12.9	34
54	Seeking a novel energetic co-crystal strategy through the interfacial self-assembly of CL-20 and HMX nanocrystals. <i>CrystEngComm</i> , 2020, 22, 61-67.	2.6	26

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55	Encapsulating NiS nanocrystal into nitrogen-doped carbon framework for high performance sodium/potassium-ion storage. <i>Chemical Engineering Journal</i> , 2020, 392, 123675.	12.7	115
56	Constructing an interface synergistic effect from a SnS/MoS ₂ heterojunction decorating N, S co-doped carbon nanosheets with enhanced sodium ion storage performance. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22593-22600.	10.3	58
57	Hierarchically structured porous materials: synthesis strategies and applications in energy storage. <i>National Science Review</i> , 2020, 7, 1667-1701.	9.5	164
58	Multilayer Deposition of Metal-Phenolic Networks for Coating of Energetic Crystals: Modulated Surface Structures and Highly Enhanced Thermal Stability. <i>ACS Applied Energy Materials</i> , 2020, 3, 11091-11098.	5.1	21
59	Constructing Novel RDX with Hierarchical Structure via Dye-Assisted Solvent Induction and Interfacial Self-Assembly. <i>Crystal Growth and Design</i> , 2020, 20, 4919-4927.	3.0	14
60	A MoS ₂ @SnS heterostructure for sodium-ion storage with enhanced kinetics. <i>Nanoscale</i> , 2020, 12, 14689-14698.	5.6	53
61	Unprecedented and highly stable lithium storage capacity of (001) faceted nanosheet-constructed hierarchically porous TiO ₂ /rGO hybrid architecture for high-performance Li-ion batteries. <i>National Science Review</i> , 2020, 7, 1046-1058.	9.5	46
62	MoSe ₂ nanosheets as a functional host for lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2020, 47, 241-247.	12.9	54
63	Growing NiS ₂ nanosheets on porous carbon microtubes for hybrid sodium-ion capacitors. <i>Journal of Power Sources</i> , 2020, 451, 227737.	7.8	55
64	An oxygen-deficient vanadium oxide@N-doped carbon heterostructure for sodium-ion batteries: insights into the charge storage mechanism and enhanced reaction kinetics. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3450-3458.	10.3	81
65	Bronze TiO ₂ as a cathode host for lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2020, 48, 259-266.	12.9	61
66	Active faceted Cu ₂ O hollow nanospheres for unprecedented adsorption and visible-light degradation of pollutants. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 207-217.	9.4	31
67	Interfacial engineering endowing energetic co-particles with high density and reduced sensitivity. <i>Chemical Engineering Journal</i> , 2020, 387, 124209.	12.7	31
68	In-Situ Growing Mesoporous CuO/O-Doped g-C ₃ N ₄ Nanospheres for Highly Enhanced Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32957-32968.	8.0	78
69	Facile synthesis of hierarchically structured manganese oxides as anode for lithium-ion batteries. <i>Journal of Central South University</i> , 2019, 26, 1481-1492.	3.0	29
70	Probing and suppressing voltage fade of Li-rich Li _{1.2} Ni _{0.13} Co _{0.13} Mn _{0.54} O ₂ cathode material for lithium-ion battery. <i>Electrochimica Acta</i> , 2019, 318, 875-882.	5.2	42
71	Tin Acceptor Doping Enhanced Thermoelectric Performance of n-Type Yb Single-Filled Skutterudites via Reduced Electronic Thermal Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25133-25139.	8.0	19
72	Sulfur-deficient MoS ₂ grown inside hollow mesoporous carbon as a functional polysulfide mediator. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12068-12074.	10.3	112

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73	MOF-derived nitrogen-doped core-shell hierarchical porous carbon confining selenium for advanced lithium-selenium batteries. <i>Nanoscale</i> , 2019, 11, 6970-6981.	5.6	83
74	Core-Shell Structured HMX@Polydopamine Energetic Microspheres: Synergistically Enhanced Mechanical, Thermal, and Safety Performances. <i>Polymers</i> , 2019, 11, 568.	4.5	58
75	In Situ Structure Characterization in Slot-Die-Printed All-Polymer Solar Cells with Efficiency Over 9%. <i>Solar Rrl</i> , 2019, 3, 1900032.	5.8	20
76	Oxygen-deficient titanium dioxide as a functional host for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10346-10353.	10.3	109
77	Nitrogen-doped graphene in-situ modifying MnO nanoparticles for highly improved lithium storage. <i>Applied Surface Science</i> , 2019, 473, 893-901.	6.1	25
78	MoSe ₂ nanosheets perpendicularly grown on graphene with Mo-C bonding for sodium-ion capacitors. <i>Nano Energy</i> , 2018, 47, 224-234.	16.0	358
79	Phosphorized SnO ₂ /graphene heterostructures for highly reversible lithium-ion storage with enhanced pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3479-3487.	10.3	117
80	Reversible and fast Na-ion storage in MoO ₂ /MoSe ₂ heterostructures for high energy-high power Na-ion capacitors. <i>Energy Storage Materials</i> , 2018, 12, 241-251.	18.0	117
81	Tubular MoO ₂ organized by 2D assemblies for fast and durable alkali-ion storage. <i>Energy Storage Materials</i> , 2018, 11, 161-169.	18.0	69
82	Selenium clusters in Zn-glutamate MOF derived nitrogen-doped hierarchically radial-structured microporous carbon for advanced rechargeable Na-Se batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22790-22797.	10.3	62
83	Coherent TiO ₂ /BaTiO ₃ heterostructure as a functional reservoir and promoter for polysulfide intermediates. <i>Chemical Communications</i> , 2018, 54, 12250-12253.	4.1	53
84	Boosting Lithium-Ion Storage Capability in CuO Nanosheets via Synergistic Engineering of Defects and Pores. <i>Frontiers in Chemistry</i> , 2018, 6, 428.	3.6	35
85	Coherent nanoscale cobalt/cobalt oxide heterostructures embedded in porous carbon for the oxygen reduction reaction. <i>RSC Advances</i> , 2018, 8, 28625-28631.	3.6	32
86	Insight into the positive effect of porous hierarchy in S/C cathodes on the electrochemical performance of Li-S batteries. <i>Nanoscale</i> , 2018, 10, 11861-11868.	5.6	32
87	Amorphous red phosphorus incorporated with pyrolyzed bacterial cellulose as a free-standing anode for high-performance lithium ion batteries. <i>RSC Advances</i> , 2018, 8, 17325-17333.	3.6	10
88	3D Ferroconcrete-Like Aminated Carbon Nanotubes Network Anchoring Sulfur for Advanced Lithium-Sulfur Battery. <i>Advanced Energy Materials</i> , 2018, 8, 1801066.	19.5	115
89	SnS ₂ /TiO ₂ nanohybrids chemically bonded on nitrogen-doped graphene for lithium-sulfur batteries: synergy of vacancy defects and heterostructures. <i>Nanoscale</i> , 2018, 10, 15505-15512.	5.6	116
90	Synergistic coupling of lamellar MoSe ₂ and SnO ₂ nanoparticles via chemical bonding at interface for stable and high-power sodium-ion capacitors. <i>Chemical Engineering Journal</i> , 2018, 354, 1164-1173.	12.7	73

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91	Hierarchy Design in Metal Oxides as Anodes for Advanced Lithium-Ion Batteries. <i>Small Methods</i> , 2018, 2, 1800171.	8.6	69
92	Fresh MoO ₂ as a better electrode for pseudocapacitive sodium-ion storage. <i>New Journal of Chemistry</i> , 2018, 42, 14721-14724.	2.8	12
93	Carbon-bonded, oxygen-deficient TiO ₂ nanotubes with hybridized phases for superior Na-ion storage. <i>Chemical Engineering Journal</i> , 2018, 350, 201-208.	12.7	70
94	Walnut-like Porous Core/Shell TiO ₂ with Hybridized Phases Enabling Fast and Stable Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10652-10663.	8.0	169
95	TiO ₂ /Sb ₂ S ₃ /P3HT Based Inorganic-Organic Hybrid Heterojunction Solar Cells with Enhanced Photoelectric Conversion Performance. <i>Journal of Electronic Materials</i> , 2017, 46, 4670-4675.	2.2	8
96	Hierarchical porous flower-like TiO ₂ constructed by thin nanosheets for efficient lithium storage. <i>Materials Letters</i> , 2017, 201, 93-96.	2.6	14
97	Macroporous ZnO/ZnS/CdS composite spheres as efficient and stable photocatalysts for solar-driven hydrogen generation. <i>Journal of Materials Science</i> , 2017, 52, 11124-11134.	3.7	35
98	Hierarchically porous materials: synthesis strategies and structure design. <i>Chemical Society Reviews</i> , 2017, 46, 481-558.	38.1	1,030
99	Anchoring ultrafine metallic and oxidized Pt nanoclusters on yolk-shell TiO ₂ for unprecedentedly high photocatalytic hydrogen production. <i>Nano Energy</i> , 2017, 38, 118-126.	16.0	91
100	Bio-inspired Murray materials for mass transfer and activity. <i>Nature Communications</i> , 2017, 8, 14921.	12.8	176
101	Design of coherent anode materials with OD Ni ₃ S ₂ nanoparticles self-assembled on 3D interconnected carbon networks for fast and reversible sodium storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7394-7402.	10.3	125
102	Impacts of surface or interface chemistry of ZnSe passivation layer on the performance of CdS/CdSe quantum dot sensitized solar cells. <i>Nano Energy</i> , 2017, 32, 433-440.	16.0	70
103	The mediated synthesis of Fe ₃ O ₄ nanocrystals through (NH ₄) ₂ FeF ₆ precursors as the cathode material for high power lithium ion batteries. <i>Electrochimica Acta</i> , 2017, 253, 545-553.	5.2	25
104	Cocatalyzing Pt/PtO Phase-Junction Nanodots on Hierarchically Porous TiO ₂ for Highly Enhanced Photocatalytic Hydrogen Production. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29687-29698.	8.0	51
105	Superior Pseudocapacitive Lithium-Ion Storage in Porous Vanadium Oxides@C Heterostructure Composite. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43665-43673.	8.0	83
106	rGO/SnS ₂ /TiO ₂ heterostructured composite with dual-confinement for enhanced lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25056-25063.	10.3	136
107	Mussel-inspired coating of energetic crystals: A compact core-shell structure with highly enhanced thermal stability. <i>Chemical Engineering Journal</i> , 2017, 309, 140-150.	12.7	91
108	Amorphous/crystalline hybrid MoO ₂ nanosheets for high-energy lithium-ion capacitors. <i>Chemical Communications</i> , 2017, 53, 10723-10726.	4.1	97

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109	Understanding and suppressing side reactions in Li-air batteries. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2495-2510.	5.9	59
110	Uniform Nickel Vanadate (Ni ₃ V ₂ O ₈) Nanowire Arrays Organized by Ultrathin Nanosheets with Enhanced Lithium Storage Properties. <i>Scientific Reports</i> , 2016, 6, 20826.	3.3	65
111	High Efficiency CdS/CdSe Quantum Dot Sensitized Solar Cells with Two ZnSe Layers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34482-34489.	8.0	85
112	Manganese dioxide nanosheet functionalized sulfur@PEDOT core-shell nanospheres for advanced lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9403-9412.	10.3	112
113	Lamellar MoSe ₂ nanosheets embedded with MoO ₂ nanoparticles: novel hybrid nanostructures promoted excellent performances for lithium ion batteries. <i>Nanoscale</i> , 2016, 8, 17902-17910.	5.6	143
114	Probing the electrochemical behavior of {111} and {110} faceted hollow Cu ₂ O microspheres for lithium storage. <i>RSC Advances</i> , 2016, 6, 97129-97136.	3.6	13
115	High lithium ion battery performance enhancement by controlled carbon coating of TiO ₂ hierarchically porous hollow spheres. <i>RSC Advances</i> , 2016, 6, 70485-70492.	3.6	8
116	Grain Boundaries Enriched Hierarchically Mesoporous MnO/Carbon Microspheres for Superior Lithium Ion Battery Anode. <i>Electrochimica Acta</i> , 2016, 222, 561-569.	5.2	30
117	Engineering 3D bicontinuous hierarchically macro-mesoporous LiFePO ₄ /C nanocomposite for lithium storage with high rate capability and long cycle stability. <i>Scientific Reports</i> , 2016, 6, 25942.	3.3	56
118	Porous TiO ₂ urchins for high performance Li-ion battery electrode: facile synthesis, characterization and structural evolution. <i>Electrochimica Acta</i> , 2016, 210, 206-214.	5.2	60
119	Applications of hierarchically structured porous materials from energy storage and conversion, catalysis, photocatalysis, adsorption, separation, and sensing to biomedicine. <i>Chemical Society Reviews</i> , 2016, 45, 3479-3563.	38.1	1,134
120	Hierarchical TiO ₂ /C nanocomposite monoliths with a robust scaffolding architecture, mesopore-macropore network and TiO ₂ -C heterostructure for high-performance lithium ion batteries. <i>Nanoscale</i> , 2016, 8, 10928-10937.	5.6	38
121	3D interconnected hierarchically macro-mesoporous TiO ₂ networks optimized by biomolecular self-assembly for high performance lithium ion batteries. <i>RSC Advances</i> , 2016, 6, 26856-26862.	3.6	19
122	Enhanced Gas Sensitivity and Selectivity on Aperture-Controllable 3D Interconnected Macro-Mesoporous ZnO Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8583-8590.	8.0	60
123	Unique walnut-shaped porous MnO ₂ /C nanospheres with enhanced reaction kinetics for lithium storage with high capacity and superior rate capability. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4264-4272.	10.3	53
124	3D interconnected macro-mesoporous electrode with self-assembled NiO nanodots for high-performance supercapacitor-like Li-ion battery. <i>Nano Energy</i> , 2016, 22, 269-277.	16.0	115
125	Probing effective photocorrosion inhibition and highly improved photocatalytic hydrogen production on monodisperse PANI@CdS core-shell nanospheres. <i>Applied Catalysis B: Environmental</i> , 2016, 188, 351-359.	20.2	219
126	Facile synthesis of well-shaped spinel LiNi _{0.5} Mn _{1.5} O ₄ nanoparticles as cathode materials for lithium ion batteries. <i>RSC Advances</i> , 2016, 6, 2785-2792.	3.6	32

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127	2D ZnO mesoporous single-crystal nanosheets with exposed {0001} polar facets for the depollution of cationic dye molecules by highly selective adsorption and photocatalytic decomposition. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 138-145.	20.2	95
128	Phases Hybridizing and Hierarchical Structuring of Mesoporous TiO ₂ Nanowire Bundles for High-Rate and High-Capacity Lithium Batteries. <i>Advanced Science</i> , 2015, 2, 1500070.	11.2	39
129	Three-Dimensional (3D) Bicontinuous Hierarchically Porous Mn ₂ O ₃ Single Crystals for High Performance Lithium-Ion Batteries. <i>Scientific Reports</i> , 2015, 5, 14686.	3.3	47
130	Growth, patterning and alignment of organolead iodide perovskite nanowires for optoelectronic devices. <i>Nanoscale</i> , 2015, 7, 4163-4170.	5.6	181
131	Hollow Cu ₂ O microspheres with two active {111} and {110} facets for highly selective adsorption and photodegradation of anionic dye. <i>RSC Advances</i> , 2015, 5, 55520-55526.	3.6	22
132	Hierarchically structured porous TiO ₂ spheres constructed by interconnected nanorods as high performance anodes for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2015, 281, 844-851.	12.7	57
133	Hierarchical nanosheet-constructed yolk-shell TiO ₂ porous microspheres for lithium batteries with high capacity, superior rate and long cycle capability. <i>Nanoscale</i> , 2015, 7, 12979-12989.	5.6	51
134	Hierarchical Nanotube-Constructed Porous TiO ₂ -B Spheres for High Performance Lithium Ion Batteries. <i>Scientific Reports</i> , 2015, 5, 11557.	3.3	53
135	Hierarchical mesoporous urchin-like Mn ₃ O ₄ /carbon microspheres with highly enhanced lithium battery performance by in-situ carbonization of new lamellar manganese alkoxide (Mn-DEC). <i>Nano Energy</i> , 2015, 12, 833-844.	16.0	96
136	Highly porous TiO ₂ hollow microspheres constructed by radially oriented nanorods chains for high capacity, high rate and long cycle capability lithium battery. <i>Nano Energy</i> , 2015, 16, 339-349.	16.0	73
137	Tunable macro-mesoporous ZnO nanostructures for highly sensitive ethanol and acetone gas sensors. <i>RSC Advances</i> , 2015, 5, 101910-101916.	3.6	31
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