

Lei Zhang

List of Publications by Year in descending order

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papers

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13068

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times ranked

18960
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of Fe ₂ O ₃ Microboxes with Hierarchical Shell Structures from Metal-Organic Frameworks and Their Lithium Storage Properties. Journal of the American Chemical Society, 2012, 134, 17388-17391.	6.6	935
2	Ordered macro-microporous metal-organic framework single crystals. Science, 2018, 359, 206-210.	6.0	836
3	Large-Scale, Solution-Phase Growth of Single-Crystalline SnO ₂ Nanorods. Journal of the American Chemical Society, 2004, 126, 5972-5973.	6.6	522
4	Metal-Organic-Frameworks-Derived General Formation of Hollow Structures with High Complexity. Journal of the American Chemical Society, 2013, 135, 10664-10672.	6.6	520
5	Iron-Oxide-Based Advanced Anode Materials for Lithium-Ion Batteries. Advanced Energy Materials, 2014, 4, 1300958.	10.2	498
6	Hierarchical MoS ₂ microboxes constructed by nanosheets with enhanced electrochemical properties for lithium storage and water splitting. Energy and Environmental Science, 2014, 7, 3302-3306.	15.6	471
7	Rational Design of High-Performance DeNO _x Catalysts Based on Mn-Co ₃ O ₄ Nanocages Derived from Metal-Organic Frameworks. ACS Catalysis, 2014, 4, 1753-1763.	5.5	466
8	Free-Standing Nitrogen-Doped Carbon Nanofiber Films: Integrated Electrodes for Sodium-Ion Batteries with Ultralong Cycle Life and Superior Rate Capability. Advanced Energy Materials, 2016, 6, 1502217.	10.2	440
9	Superior CO ₂ uptake of N-doped activated carbon through hydrogen-bonding interaction. Energy and Environmental Science, 2012, 5, 7323.	15.6	434
10	Formation of Ni-Co ₃ S ₄ Hollow Nanoprisms with Enhanced Pseudocapacitive Properties. Angewandte Chemie - International Edition, 2014, 53, 3711-3714.	7.2	417
11	Carbon-Coated MoSe ₂ /MXene Hybrid Nanosheets for Superior Potassium Storage. ACS Nano, 2019, 13, 3448-3456.	7.3	372
12	Graphitic Carbon Nitride (g-C ₃ N ₄)-Derived Na-Rich Graphene with Tuneable Interlayer Distance as a High-Rate Anode for Sodium-Ion Batteries. Advanced Materials, 2019, 31, e1901261.	11.1	362
13	Embedding Sulfur in MOF-Derived Microporous Carbon Polyhedrons for Lithium-Sulfur Batteries. Chemistry - A European Journal, 2013, 19, 10804-10808.	1.7	355
14	A 3D Hybrid of Chemically Coupled Nickel Sulfide and Hollow Carbon Spheres for High Performance Lithium-Sulfur Batteries. Advanced Functional Materials, 2017, 27, 1702524.	7.8	340
15	SnO ₂ Quantum Dots@Graphene Oxide as a High-Rate and Long-Life Anode Material for Lithium-Ion Batteries. Small, 2016, 12, 588-594.	5.2	338
16	A bi-functional device for self-powered electrochromic window and self-rechargeable transparent battery applications. Nature Communications, 2014, 5, 4921.	5.8	328
17	Hierarchical Tubular Structures Constructed by Carbon-Coated SnO ₂ Nanoplates for Highly Reversible Lithium Storage. Advanced Materials, 2013, 25, 2589-2593.	11.1	304
18	Na ₂ Ti ₃ O ₇ @N-Doped Carbon Hollow Spheres for Sodium-Ion Batteries with Excellent Rate Performance. Advanced Materials, 2017, 29, 1700989.	11.1	275

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19	Controlled synthesis of hierarchical Co _x Mn _{3-x} O ₄ array micro-/nanostructures with tunable morphology and composition as integrated electrodes for lithium-ion batteries. <i>Energy and Environmental Science</i> , 2013, 6, 2664-2671.	15.6	265
20	Uniform V ₂ O ₅ nanosheet-assembled hollow microflowers with excellent lithium storage properties. <i>Energy and Environmental Science</i> , 2013, 6, 1476.	15.6	256
21	Robust Pitaya-Structured Pyrite as High Energy Density Cathode for High-Rate Lithium Batteries. <i>ACS Nano</i> , 2017, 11, 9033-9040.	7.3	247
22	Amine-Modified SBA-15: Effect of Pore Structure on the Performance for CO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 3220-3226.	1.8	240
23	Unusual CoS ₂ ellipsoids with anisotropic tube-like cavities and their application in supercapacitors. <i>Chemical Communications</i> , 2012, 48, 6912.	2.2	228
24	Ordered Macro-“Microporous Metal” Organic Framework Single Crystals and Their Derivatives for Rechargeable Aluminum-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2019, 141, 14764-14771.	6.6	226
25	Self-Supported Construction of Uniform Fe ₃ O ₄ Hollow Microspheres from Nanoplate Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4165-4168.	7.2	222
26	Formation of porous SnO ₂ microboxes via selective leaching for highly reversible lithium storage. <i>Energy and Environmental Science</i> , 2014, 7, 1013.	15.6	221
27	Facile Synthesis and Unique Physicochemical Properties of Three-Dimensionally Ordered Macroporous Magnesium Oxide, Gamma-Alumina, and Ceria-Zirconia Solid Solutions with Crystalline Mesoporous Walls. <i>Inorganic Chemistry</i> , 2009, 48, 4421-4434.	1.9	216
28	Microwave-Assisted Synthesis of Porous Ag ₂ S-Ag Hybrid Nanotubes with High Visible-Light Photocatalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11501-11504.	7.2	215
29	Fabrication and Size-Selective Bioseparation of Magnetic Silica Nanospheres with Highly Ordered Periodic Mesostructure. <i>Advanced Functional Materials</i> , 2008, 18, 3203-3212.	7.8	179
30	Porous Ni-Mn oxide nanosheets in situ formed on nickel foam as 3D hierarchical monolith de-NO _x catalysts. <i>Nanoscale</i> , 2014, 6, 7346-7353.	2.8	178
31	Amine-modified mesocellular silica foams for CO ₂ capture. <i>Chemical Engineering Journal</i> , 2011, 168, 918-924.	6.6	170
32	Graphene-based nitrogen-doped carbon sandwich nanosheets: a new capacitive process controlled anode material for high-performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8630-8635.	5.2	170
33	Ultrathin Titanate Nanosheets/Graphene Films Derived from Confined Transformation for Excellent Na/K Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8540-8544.	7.2	170
34	Hierarchical MoS ₂ Shells Supported on Carbon Spheres for Highly Reversible Lithium Storage. <i>Chemistry - A European Journal</i> , 2014, 20, 5219-5223.	1.7	164
35	2020 Roadmap on Carbon Materials for Energy Storage and Conversion. <i>Chemistry - an Asian Journal</i> , 2020, 15, 995-1013.	1.7	154
36	Inhibiting grain coarsening and inducing oxygen vacancies: the roles of Mn in achieving a highly reversible conversion reaction and a long life SnO ₂ -Mn-graphite ternary anode. <i>Energy and Environmental Science</i> , 2017, 10, 2017-2029.	15.6	152

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37	K ⁺ pre-intercalated manganese dioxide with enhanced Zn ²⁺ diffusion for high rate and durable aqueous zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20806-20812.	5.2	145
38	The Application of Hollow Structured Anodes for Sodium-ion Batteries: From Simple to Complex Systems. <i>Advanced Materials</i> , 2019, 31, e1800492.	11.1	143
39	Metal-organic-frameworks-engaged formation of Co _{0.85} Se@C nanoboxes embedded in carbon nanofibers film for enhanced potassium-ion storage. <i>Energy Storage Materials</i> , 2020, 24, 167-176.	9.5	143
40	Heterogeneous branched core-shell SnO ₂ @PANI nanorod arrays with mechanical integrity and three dimensional electron transport for lithium batteries. <i>Nano Energy</i> , 2014, 8, 196-204.	8.2	140
41	Gallium Nitride Crystals: Novel Supercapacitor Electrode Materials. <i>Advanced Materials</i> , 2016, 28, 3768-3776.	11.1	136
42	Multi-shell hollow structured Sb ₂ S ₃ for sodium-ion batteries with enhanced energy density. <i>Nano Energy</i> , 2019, 60, 591-599.	8.2	136
43	TiO ₂ nanotube arrays grafted with Fe ₂ O ₃ hollow nanorods as integrated electrodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 122-127.	5.2	130
44	Organic-Inorganic Hybrid Hollow Nanospheres with Microwindows on the Shell. <i>Chemistry of Materials</i> , 2008, 20, 4268-4273.	3.2	124
45	Porous Fe ₂ O ₃ nanocubes derived from MOFs for highly reversible lithium storage. <i>CrystEngComm</i> , 2013, 15, 9332.	1.3	124
46	One-Pot Magnetic Field Induced Formation of Fe ₃ O ₄ /C Composite Microrods with Enhanced Lithium Storage Capability. <i>Small</i> , 2014, 10, 2815-2819.	5.2	120
47	Nickel nanoparticles prepared by hydrazine hydrate reduction and their application in supercapacitor. <i>Powder Technology</i> , 2012, 224, 162-167.	2.1	108
48	A review of phosphorus and phosphides as anode materials for advanced sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4996-5048.	5.2	108
49	Novel Nafion composite membranes with mesoporous silica nanospheres as inorganic fillers. <i>Journal of Power Sources</i> , 2008, 185, 664-669.	4.0	106
50	Nitrogen-doped bamboo-like carbon nanotubes: promising anode materials for sodium-ion batteries. <i>Chemical Communications</i> , 2015, 51, 16045-16048.	2.2	104
51	Unusual Formation of Single-Crystal Manganese Sulfide Microboxes Co-mediated by the Cubic Crystal Structure and Shape. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7267-7270.	7.2	103
52	Rational design of hollow N/Co-doped carbon spheres from bimetal-ZIFs for high-efficiency electrocatalysis. <i>Chemical Engineering Journal</i> , 2017, 330, 736-745.	6.6	97
53	Three-dimensional ordered macroporous bismuth vanadates: PMMA-templating fabrication and excellent visible light-driven photocatalytic performance for phenol degradation. <i>Nanoscale</i> , 2012, 4, 2317.	2.8	95
54	A covalent organic framework-based route to the in situ encapsulation of metal nanoparticles in N-rich hollow carbon spheres. <i>Chemical Science</i> , 2016, 7, 6015-6020.	3.7	90

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55	Hierarchically ordered meso/macroporous γ -alumina for enhanced hydrodesulfurization performance. <i>Microporous and Mesoporous Materials</i> , 2012, 158, 1-6.	2.2	89
56	Hydrophobic Functional Group Initiated Helical Mesostructured Silica for Controlled Drug Release. <i>Advanced Functional Materials</i> , 2008, 18, 3834-3842.	7.8	85
57	Unveiling the Advances of Nanostructure Design for Alloy-Type Potassium-Ion Battery Anodes via In-Situ TEM. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14504-14510.	7.2	82
58	3D Hollow γ -MnO ₂ Framework as an Efficient Electrocatalyst for Lithium-Oxygen Batteries. <i>Small</i> , 2019, 15, e1804958.	5.2	82
59	Revealing the Origin of Improved Reversible Capacity of Dual-Shell Bismuth Boxes Anode for Potassium-Ion Batteries. <i>Matter</i> , 2019, 1, 1681-1693.	5.0	81
60	Hierarchical Graphene-Encapsulated Hollow SnO ₂ @SnS ₂ Nanostructures with Enhanced Lithium Storage Capability. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22533-22541.	4.0	78
61	Carbon-based flexible self-supporting cathode for lithium-sulfur batteries: Progress and perspective. , 2021, 3, 271-302.		77
62	From graphite to porous graphene-like nanosheets for high rate lithium-ion batteries. <i>Nano Research</i> , 2015, 8, 2998-3010.	5.8	76
63	Insight to the synergistic effect of N-doping level and pore structure on improving the electrochemical performance of sulfur/N-doped porous carbon cathode for Li-S batteries. <i>Carbon</i> , 2019, 144, 745-755.	5.4	75
64	Integrated SnO ₂ nanorod array with polypyrrole coverage for high-rate and long-life lithium batteries. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7619-7623.	1.3	74
65	Metal-organic frameworks derived hollow NiS ₂ spheres encased in graphene layers for enhanced sodium-ion storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14077-14082.	5.2	74
66	Layer-by-layer assembly and electrochemical properties of sandwiched film of manganese oxide nanosheet and carbon nanotube. <i>Carbon</i> , 2009, 47, 1534-1542.	5.4	73
67	Thermal Induced Strain Relaxation of 1D Iron Oxide for Solid Electrolyte Interphase Control and Lithium Storage Improvement. <i>Advanced Energy Materials</i> , 2017, 7, 1601582.	10.2	73
68	Encapsulated Vanadium-Based Hybrids in Amorphous N-Doped Carbon Matrix as Anode Materials for Lithium-Ion Batteries. <i>Small</i> , 2017, 13, 1702081.	5.2	70
69	Mesoporous Ethane-Silicas Functionalized with trans-(1R,2R)-Diaminocyclohexane as Heterogeneous Chiral Catalysts. <i>Chemistry of Materials</i> , 2005, 17, 6154-6160.	3.2	67
70	Growth of SnO ₂ nanosheet arrays on various conductive substrates as integrated electrodes for lithium-ion batteries. <i>Materials Horizons</i> , 2014, 1, 133-138.	6.4	66
71	Toward High Performance All-Solid-State Lithium Batteries with High-Voltage Cathode Materials: Design Strategies for Solid Electrolytes, Cathode Interfaces, and Composite Electrodes. <i>Advanced Energy Materials</i> , 2021, 11, 2003154.	10.2	65
72	Design strategies for MOF-derived porous functional materials: Preserving surfaces and nurturing pores. <i>Journal of Materiomics</i> , 2021, 7, 440-459.	2.8	62

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73	Metal-organic framework derived yolk-shell Ni ₂ /carbon spheres for lithium-sulfur batteries with enhanced polysulfide redox kinetics. <i>Chemical Communications</i> , 2019, 55, 3243-3246.	2.2	61
74	A Robust Graft-to Strategy To Form Multifunctional and Stealth Zwitterionic Polymer-Coated Mesoporous Silica Nanoparticles. <i>Biomacromolecules</i> , 2014, 15, 1845-1851.	2.6	59
75	Designed synthesis of sulfonated polystyrene/mesoporous silica hollow nanospheres as efficient solid acid catalysts. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7546-7554.	5.2	58
76	Simultaneous removal of NO _x and soot particulates over La _{0.7} Ag _{0.3} MnO ₃ perovskite oxide catalysts. <i>Catalysis Today</i> , 2010, 158, 423-426.	2.2	56
77	3D Interconnected MoS ₂ with Enlarged Interlayer Spacing Grown on Carbon Nanofibers as a Flexible Anode Toward Superior Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26982-26989.	4.0	56
78	Carbon-coated Fe ₃ O ₄ microspheres with a porous multideck-cage structure for highly reversible lithium storage. <i>Chemical Communications</i> , 2015, 51, 6921-6924.	2.2	54
79	Sandwich-like nitrogen-doped porous carbon/graphene nanoflakes with high-rate capacitive performance. <i>Nanoscale</i> , 2016, 8, 7889-7898.	2.8	54
80	Highly ordered periodic mesoporous ethanesilica synthesized under neutral conditions. <i>Journal of Materials Chemistry</i> , 2005, 15, 2562.	6.7	53
81	Structure design of NiCo ₂ O ₄ electrodes for high performance pseudocapacitors and lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17394-17402.	5.2	53
82	Synthesis of phase-pure SnO ₂ nanosheets with different organized structures and their lithium storage properties. <i>CrystEngComm</i> , 2012, 14, 5133.	1.3	50
83	Cation-Assisted Formation of Porous TiO ₂ Nanoboxes with High Grain Boundary Density as Efficient Electrocatalysts for Lithium-Oxygen Batteries. <i>ACS Catalysis</i> , 2018, 8, 1720-1727.	5.5	47
84	Unveiling the Advances of Nanostructure Design for Alloy-Type Potassium-Ion Battery Anodes via In-Situ TEM. <i>Angewandte Chemie</i> , 2020, 132, 14612-14618.	1.6	47
85	Formation of MS-Ag and MS (M = Pb, Cd, Zn) nanotubes via microwave-assisted cation exchange and their enhanced photocatalytic activities. <i>Nanoscale</i> , 2013, 5, 10864.	2.8	46
86	Hierarchical NiCo ₂ O ₄ nanosheets on carbon nanofiber films for high energy density and long-life Li-O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14530-14536.	5.2	46
87	Chiral Mesoporous Organosilica Nanospheres: Effect of Pore Structure on the Performance in Asymmetric Catalysis. <i>Chemistry - A European Journal</i> , 2010, 16, 12727-12735.	1.7	44
88	Engineering the Formation of Secondary Building Blocks within Hollow Interiors. <i>Advanced Materials</i> , 2012, 24, 1424-1428.	11.1	43
89	Structural control of mesoporous silicas with large nanopores in a mild buffer solution. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 330-338.	2.2	41
90	Large-scale growth of hierarchical transition-metal vanadate nanosheets on metal meshes as monolith catalysts for De-NO _x reaction. <i>Nanoscale</i> , 2015, 7, 2743-2749.	2.8	41

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91	Facile synthesis of hybrid hollow mesoporous nanospheres with high content of interpenetrating polymers for size-selective peptides/proteins enrichment. <i>Chemical Communications</i> , 2012, 48, 4190.	2.2	40
92	Graphene-Assisted Exfoliation of Molybdenum Disulfide to Fabricate 2D Heterostructure for Enhancing Lithium Storage. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601187.	1.9	38
93	Pt nanoclusters anchored on ordered macroporous nitrogen-doped carbon for accelerated water dissociation toward superior alkaline hydrogen production. <i>Chemical Engineering Journal</i> , 2022, 436, 135186.	6.6	38
94	Thiol functionalized mesoporous silicas for selective adsorption of precious metals. <i>Minerals Engineering</i> , 2012, 35, 20-26.	1.8	36
95	Ultrathin Titanate Nanosheets/Graphene Films Derived from Confined Transformation for Excellent Na/K Ion Storage. <i>Angewandte Chemie</i> , 2018, 130, 8676-8680.	1.6	36
96	CuSe decorated carbon nanotubes as a high performance cathode catalyst for microbial fuel cells. <i>Electrochimica Acta</i> , 2016, 213, 283-290.	2.6	35
97	Composition controlled nickel cobalt sulfide core-shell structures as high capacity and good rate-capability electrodes for hybrid supercapacitors. <i>RSC Advances</i> , 2016, 6, 50209-50216.	1.7	32
98	Encapsulated hollow Na ₂ Ti ₃ O ₇ spheres in reduced graphene oxide films for flexible sodium-ion batteries. <i>Electrochimica Acta</i> , 2018, 284, 287-293.	2.6	32
99	Porous Ni _{0.14} Mn _{0.86} O _{1.43} hollow microspheres as high-performing anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2015, 291, 156-162.	4.0	30
100	3D hierarchical bayberry-like Ni@carbon hollow nanosphere/rGO hybrid as a new interesting electrode material for simultaneous detection of small biomolecules. <i>Talanta</i> , 2018, 178, 608-615.	2.9	29
101	Realizing Fast Diffusion Kinetics Based on Three-Dimensional Ordered Macroporous Cu ₉ S ₅ @C for Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36982-36991.	4.0	27
102	Tartardiamide-Functionalized Chiral Organosilicas with Highly Ordered Mesoporous Structure. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1842-1849.	1.7	25
103	Fabrication and Biosensing with CNT/Aligned Mesostructured Silica Core-Shell Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2767-2772.	4.0	25
104	Preparing a metal-ion chelated immobilized enzyme reactor based on the polyacrylamide monolith grafted with polyethylenimine for a facile regeneration and high throughput tryptic digestion in proteomics. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 703-710.	1.9	25
105	TiO ₂ Nanocages Anchored in N-Doped Carbon Fiber Films as a Flexible Anode for High-Energy Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2018, 1, 4459-4466.	2.5	25
106	Efficient Surface Modulation of Single-Crystalline Na ₂ Ti ₃ O ₇ Nanotube Arrays with Ti ³⁺ Self-Doping toward Superior Sodium Storage. , 2019, 1, 389-398.		24
107	Synthesis of Size-Controllable NiCo ₂ S ₄ Hollow Nanospheres Toward Enhanced Electrochemical Performance. <i>Energy and Environmental Materials</i> , 2020, 3, 421-428.	7.3	23
108	Hierarchical interlayer-expanded MoSe ₂ /N-C nanorods for high-rate and long-life sodium and potassium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1271-1278.	3.0	22

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109	Nanostructured NiCo ₂ S ₄ @NiCo ₂ O ₄ -reduced graphene oxide as an efficient hydrogen evolution electrocatalyst in alkaline electrolyte. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 570-580.	5.0	22
110	Fabrication of a magnetic helical mesostructured silica rod. <i>Nanotechnology</i> , 2008, 19, 435608.	1.3	21
111	3-D flowerlike architectures constructed by ultrathin perpendicularly aligned mesoporous nanoflakes for enhanced asymmetric catalysis. <i>Chemical Communications</i> , 2011, 47, 4087.	2.2	19
112	Synthesis of Ionic Liquid-SBA-15 Composite Materials and Their Application for SO ₂ Capture from Flue Gas. <i>Energy & Fuels</i> , 2018, 32, 678-687.	2.5	19
113	Low Interface Energies Tune the Electrochemical Reversibility of Tin Oxide Composite Nanoframes as Lithium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36892-36901.	4.0	19
114	Formation of uniform porous yolk-shell MnCo ₂ O ₄ microrugby balls with enhanced electrochemical performance for lithium storage and the oxygen evolution reaction. <i>Dalton Transactions</i> , 2019, 48, 17022-17028.	1.6	19
115	Graphene layer reinforcing mesoporous molybdenum disulfide foam as high-performance anode for sodium-ion battery. <i>Materials Today Energy</i> , 2018, 8, 151-156.	2.5	16
116	Zn(Cu)Si ₂ xP ₃ Solid Solution Anodes for High-Performance Li-ion Batteries with Tunable Working Potentials. <i>Advanced Functional Materials</i> , 2019, 29, 1903638.	7.8	14
117	Novel Method of Fabricating Free-Standing and Nitrogen-Doped 3D Hierarchically Porous Carbon Monoliths as Anodes for High-Performance Sodium-Ion Batteries by Supercritical CO ₂ Foaming. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9125-9135.	4.0	14
118	Hydrogenated dual-shell sodium titanate cubes for sodium-ion batteries with optimized ion transportation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15829-15833.	5.2	14
119	Construction of Novel Bimetallic Oxyphosphide as Advanced Anode for Potassium Ion Hybrid Capacitor. <i>Advanced Science</i> , 2022, 9, e2105193.	5.6	14
120	Construction of S@TiO ₂ @rGO Composites for High-Performance Lithium-Sulfur Batteries. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3248-3252.	1.0	12
121	Revealing the structure design of alloyed based electrodes for alkali metal ion batteries with in situ TEM. <i>Journal of Energy Chemistry</i> , 2021, 59, 405-418.	7.1	12
122	Granadilla-Inspired Structure Design for Conversion/Alloy-Reaction Electrode with Integrated Lithium Storage Behaviors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15470-15476.	4.0	11
123	Challenges and Perspectives for Doping Strategy for Manganese-Based Zinc-ion Battery Cathode. <i>Energies</i> , 2022, 15, 4698.	1.6	11
124	Anthraquinone-Based Covalent Organic Framework Nanosheets with Ordered Porous Structures for Highly Reversible Sodium Storage. <i>Energy & Fuels</i> , 2021, 35, 1851-1858.	2.5	9
125	Fabrication of WO ₂ /W@C core-shell nanospheres for voltammetric simultaneous determination of thymine and cytosine. <i>Mikrochimica Acta</i> , 2020, 187, 62.	2.5	6
126	CNTs/mesostructured silica core-shell nanowires via interfacial surfactant templating. <i>Science Bulletin</i> , 2009, 54, 516-520.	4.3	4

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127	Negative differential resistance in GeSi core-shell transport junctions: the role of local sp ² hybridization. <i>Nanoscale</i> , 2016, 8, 16026-16033.	2.8	3
128	In-situ formation of atomic-level Mn-Sn interfacial compounds for enhanced Li-ion integrated anode. <i>Applied Surface Science</i> , 2020, 508, 145243.	3.1	3
129	Editorial: Key Electrochemical Energy Reactions Catalyzed by Nanomaterials. <i>Frontiers in Chemistry</i> , 2019, 7, 881.	1.8	1
130	MXene Nanoflakes Confined in Multichannel Carbon Nanofibers as Electrocatalysts for Lithium-Sulfur Batteries. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2022, 19, .	1.1	1
131	Mediated electrochemistry of dimethyl sulfoxide reductase promoted by carbon nanotubes. <i>Science China Chemistry</i> , 2010, 53, 2560-2563.	4.2	0
132	A facile modification to improve the biocompatibility and adsorbability of activated carbon with zwitterionic hydrogel. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 113.	1.7	0
133	InnenrÄ¼cktitelbild: Unveiling the Advances of Nanostructure Design for Alloy-type Potassium-ion Battery Anodes via In-situ TEM (<i>Angew. Chem.</i> 34/2020). <i>Angewandte Chemie</i> , 2020, 132, 14801-14801.	1.6	0