

# Hao Wu

## List of Publications by Year in descending order

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122  
papers

5,339  
citations

66234

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95083

68  
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126  
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126  
docs citations

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times ranked

6335  
citing authors

#	ARTICLE	IF	CITATIONS
1	H <sup>+</sup> Insertion Boosted $\text{MnO}_2$ for an Aqueous Zn-Ion Battery. <i>Small</i> , 2020, 16, e1905842.	5.2	260
2	Nitrogen-Doped Graphene Ribbon Assembled Core-Sheath $\text{MnO}@$ Graphene Scrolls as Hierarchically Ordered 3D Porous Electrodes for Fast and Durable Lithium Storage. <i>Advanced Functional Materials</i> , 2016, 26, 7754-7765.	7.8	245
3	One-step, size-controlled synthesis of gold nanoparticles at room temperature using plant tannin. <i>Green Chemistry</i> , 2010, 12, 395-399.	4.6	198
4	A Flexible 3D Multifunctional $\text{MgO}@$ Decorated Carbon Foam@CNTs Hybrid as Self-Supported Cathode for High-Performance Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1702573.	7.8	169
5	Polyphenol-grafted collagen fiber as reductant and stabilizer for one-step synthesis of size-controlled gold nanoparticles and their catalytic application to 4-nitrophenol reduction. <i>Green Chemistry</i> , 2011, 13, 651.	4.6	167
6	Solid Electrolyte Interphases on Sodium Metal Anodes. <i>Advanced Functional Materials</i> , 2020, 30, 2004891.	7.8	154
7	Cerium fluoride coated layered oxide $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ as cathode materials with improved electrochemical performance for lithium ion batteries. <i>Journal of Power Sources</i> , 2014, 267, 682-691.	4.0	143
8	Graphene-scroll-sheathed $\text{MnS}$ coaxial nanocables embedded in N, S Co-doped graphene foam as 3D hierarchically ordered electrodes for enhanced lithium storage. <i>Energy Storage Materials</i> , 2019, 16, 46-55.	9.5	136
9	Hollow $\text{SnO}_2$ nanospheres with oxygen vacancies entrapped by a N-doped graphene network as robust anode materials for lithium-ion batteries. <i>Nanoscale</i> , 2018, 10, 11460-11466.	2.8	121
10	Encapsulating yolk-shell $\text{FeS}_2@$ carbon microboxes into interconnected graphene framework for ultrafast lithium/sodium storage. <i>Carbon</i> , 2020, 159, 366-377.	5.4	115
11	Heterogeneous hydrogenation of nitrobenzenes over recyclable Pd(0) nanoparticle catalysts stabilized by polyphenol-grafted collagen fibers. <i>Applied Catalysis A: General</i> , 2009, 366, 44-56.	2.2	111
12	One-step room-temperature synthesis of Au@Pd core-shell nanoparticles with tunable structure using plant tannin as reductant and stabilizer. <i>Green Chemistry</i> , 2011, 13, 950.	4.6	109
13	Natural Silk Cocoon Derived Nitrogen-doped Porous Carbon Nanosheets for High Performance Lithium-Sulfur Batteries. <i>Electrochimica Acta</i> , 2017, 227, 7-16.	2.6	103
14	Flakelike $\text{LiCoO}_2$ with Exposed {010} Facets As a Stable Cathode Material for Highly Reversible Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 2723-2731.	4.0	100
15	Facile synthesis of one-dimensional $\text{LiNi}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2$ microrods as advanced cathode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13648-13652.	5.2	92
16	Synthesis of $\text{Li}_2\text{Si}_2\text{O}_5$ -coated $\text{LiNi}_{0.6}\text{Co}_{0.2}\text{Mn}_{0.2}\text{O}_2$ cathode materials with enhanced high-voltage electrochemical properties for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2016, 674, 447-454.	2.8	92
17	Anatase inverse opal $\text{TiO}_2\text{-x}@$ N-doped C induced the dominant pseudocapacitive effect for durable and fast lithium/sodium storage. <i>Electrochimica Acta</i> , 2019, 299, 540-548.	2.6	87
18	Interwoven $\text{V}_2\text{O}_5$ nanowire/graphene nanoscroll hybrid assembled as efficient polysulfide-trapping-conversion interlayer for long-life lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19358-19370.	5.2	86

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19	Enhanced electrochemical performance of Li-rich Li <sub>1.2</sub> Mn <sub>0.52</sub> Co <sub>0.08</sub> Ni <sub>0.2</sub> O <sub>2</sub> cathode materials for Li-ion batteries by vanadium doping. <i>Electrochimica Acta</i> , 2016, 209, 448-455.	2.6	80
20	Solvothermal coating LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> microspheres with nanoscale Li <sub>2</sub> TiO <sub>3</sub> shell for long lifespan Li-ion battery cathode materials. <i>Journal of Alloys and Compounds</i> , 2016, 665, 48-56.	2.8	80
21	Facile pH-mediated synthesis of morphology-tunable MnCO <sub>3</sub> and their transformation to truncated octahedral spinel LiMn <sub>2</sub> O <sub>4</sub> cathode materials for superior lithium storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3633-3640.	5.2	79
22	Efficient Synthesis of Graphene Nanoscrolls for Fabricating Sulfur-Loaded Cathode and Flexible Hybrid Interlayer toward High-Performance Li-S Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34185-34193.	4.0	79
23	A freestanding and flexible nitrogen-doped carbon foam/sulfur cathode composited with reduced graphene oxide for high sulfur loading lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18020-18028.	5.2	77
24	Tailoring yolk-shell FeP@carbon nanoboxes with engineered void space for pseudocapacitance-boosted lithium storage. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2605-2614.	3.0	76
25	Superstructured mesocrystals through multiple inherent molecular interactions for highly reversible sodium ion batteries. <i>Science Advances</i> , 2021, 7, eabh3482.	4.7	74
26	Recycling silicon-based industrial waste as sustainable sources of Si/SiO <sub>2</sub> composites for high-performance Li-ion battery anodes. <i>Journal of Power Sources</i> , 2020, 449, 227513.	4.0	68
27	Facile Synthesis of Size-Controlled Silver Nanoparticles Using Plant Tannin Grafted Collagen Fiber As Reductant and Stabilizer for Microwave Absorption Application in the Whole Ku Band. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23688-23694.	1.5	66
28	Rational Design of Multifunctional Integrated Host Configuration with Lithiophilicity-Sulfiphilicity toward High-Performance Li-S Full Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2006033.	7.8	64
29	Spherical concentration-gradient LiMn <sub>1.87</sub> Ni <sub>0.13</sub> O <sub>4</sub> spinel as a high performance cathode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4010.	5.2	62
30	Infiltrative coating of LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> microspheres with layer-structured LiTiO <sub>2</sub> : towards superior cycling performances for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19983-19987.	5.2	62
31	Synthesis of TiO <sub>2</sub> with controllable ratio of anatase to rutile. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9291.	5.2	59
32	An engineered self-supported electrocatalytic cathode and dendrite-free composite anode based on 3D double-carbon hosts for advanced Li-SeS <sub>2</sub> batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2969-2983.	5.2	59
33	Preparation and performances of carbon aerogel microspheres for the application of supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 643-648.	1.2	57
34	Realizing Reversible Conversion Alloying of Sb(V) in Polyantimonic Acid for Fast and Durable Lithium- and Potassium-Ion Storage. <i>Advanced Energy Materials</i> , 2020, 10, 1903119.	10.2	57
35	Integrating conductivity and active sites: Fe/Fe <sub>3</sub> C@GNC as an trapping-catalyst interlayer and dendrite-free lithium host for the lithium-sulfur cell with outstanding rate performance. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18987-19000.	5.2	54
36	Restoration of Degraded Nickel-Rich Cathode Materials for Long-Life Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2018, 5, 78-83.	1.7	49

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37	A flexible 3D nitrogen-doped carbon foam@CNTs hybrid hosting TiO <sub>2</sub> nanoparticles as free-standing electrode for ultra-long cycling lithium-ion batteries. <i>Journal of Power Sources</i> , 2018, 379, 10-19.	4.0	48
38	Bio-Derived Hierarchical Multicore@Shell Fe <sub>2</sub> N-Nanoparticle-Impregnated N-Doped Carbon Nanofiber Bundles: A Host Material for Lithium-/Potassium-Ion Storage. <i>Nano-Micro Letters</i> , 2019, 11, 56.	14.4	47
39	The electrocapacitive properties of hierarchical porous reduced graphene oxide templated by hydrophobic CaCO <sub>3</sub> spheres. <i>Journal of Materials Chemistry A</i> , 2014, 2, 451-459.	5.2	46
40	Collagen fiber with surface-grafted polyphenol as a novel support for Pd(0) nanoparticles: Synthesis, characterization and catalytic application. <i>Materials Science and Engineering C</i> , 2010, 30, 770-776.	3.8	45
41	Preparation of MoS <sub>2</sub> /WS <sub>2</sub> nanosheets by liquid phase exfoliation with assistance of epigallocatechin gallate and study as an additive for high-performance lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 554-562.	5.0	45
42	Phosphorous doped cobalt-iron sulfide/carbon nanotube as active and robust electrocatalysts for water splitting. <i>Electrochimica Acta</i> , 2019, 318, 892-900.	2.6	43
43	Template-Engaged Synthesis of 1D Hierarchical Chainlike LiCoO <sub>2</sub> Cathode Materials with Enhanced High-Voltage Lithium Storage Capabilities. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 25361-25368.	4.0	40
44	Construction of Electrocatalytic and Heat-Resistant Self-Supporting Electrodes for High-Performance Lithium-Sulfur Batteries. <i>Nano-Micro Letters</i> , 2019, 11, 78.	14.4	40
45	Hierarchical carambola-like Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -TiO <sub>2</sub> composites as advanced anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 195, 124-133.	2.6	39
46	Bio-assisted engineering of hierarchical porous carbon nanofiber host in-situ embedded with iron carbide nanocatalysts toward high-performance Li-S batteries. <i>Carbon</i> , 2021, 177, 60-70.	5.4	39
47	Antibacterial activity of silver nanoparticles stabilized on tannin-grafted collagen fiber. <i>Materials Science and Engineering C</i> , 2012, 32, 1050-1056.	3.8	38
48	Flexible three-dimensional electrodes of hollow carbon bead strings as graded sulfur reservoirs and the synergistic mechanism for lithium-sulfur batteries. <i>Applied Surface Science</i> , 2017, 413, 209-218.	3.1	38
49	Hierarchically Porous N,S-Codoped Carbon-Embedded Dual Phase MnO/MnS Nanoparticles for Efficient Lithium Ion Storage. <i>Inorganic Chemistry</i> , 2018, 57, 7993-8001.	1.9	34
50	Stabilization of silicon nanoparticles in graphene aerogel framework for lithium ion storage. <i>RSC Advances</i> , 2015, 5, 30624-30630.	1.7	31
51	Facile fabrication of a jarosite ultrathin KFe <sub>3</sub> (SO <sub>4</sub> ) <sub>2</sub> (OH) <sub>6</sub> @rGO nanosheet hybrid composite with pseudocapacitive contribution as a robust anode for lithium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 192-198.	3.0	31
52	An integrated hybrid interlayer for polysulfides/selenides regulation toward advanced Li-SeS <sub>2</sub> batteries. <i>Carbon</i> , 2020, 161, 413-422.	5.4	31
53	Selective Nitridation Crafted a High-Density, Carbon-Free Heterostructure Host with Built-In Electric Field for Enhanced Energy Density Li-S Batteries. <i>Advanced Science</i> , 2022, 9, .	5.6	31
54	Superhierarchical Conductive Framework Implanted with Nickel/Graphitic Carbon Nanocages as Sulfur/Lithium Metal Dual-Role Hosts for Li-S Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 35058-35070.	4.0	30

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55	One-step in situ assembly of size-controlled silver nanoparticles on polyphenol-grafted collagen fiber with enhanced antibacterial properties. <i>New Journal of Chemistry</i> , 2011, 35, 2902.	1.4	28
56	Fabrication of Li <sup>+</sup> -Conductive Li <sub>2</sub> ZrO <sub>3</sub> -Based Shell Encapsulated LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> Microspheres as High-Rate and Long-Life Cathode Materials for Li-ion Batteries. <i>ChemElectroChem</i> , 2015, 2, 1921-1928.	1.7	28
57	Tailoring sandwich-like CNT@MnO@N-doped carbon hetero-nanotubes as advanced anodes for boosting lithium storage. <i>Electrochimica Acta</i> , 2019, 304, 158-167.	2.6	28
58	A flexible three-dimensional MoS <sub>2</sub> /carbon architecture derived from melamine foam as free-standing anode for high performance lithium-ion batteries. <i>Applied Surface Science</i> , 2018, 462, 337-343.	3.1	27
59	Mg <sup>2+</sup> and Ti <sup>4+</sup> Co-doped Spinel LiMn <sub>2</sub> O <sub>4</sub> as Lithium-ion Battery Cathode. <i>ChemistrySelect</i> , 2019, 4, 9583-9589.	0.7	25
60	In situ formed Li <sub>5</sub> AlO <sub>4</sub> -coated LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> cathode material assisted by hydrocarbonate with improved electrochemical performance for lithium-ion batteries. <i>Electrochimica Acta</i> , 2020, 353, 136541.	2.6	25
61	A Trifunctional Separator Based on a Blockage-Adsorption-Catalysis Synergistic Effect for Li-S Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 47599-47611.	4.0	23
62	Mn-Substituted Tunnel-Type Polyantimonic Acid Confined in a Multidimensional Integrated Architecture Enabling Superfast Charging Lithium-ion Battery Anodes. <i>Advanced Science</i> , 2021, 8, 2002866.	5.6	23
63	Ultrafast and Durable Lithium Storage Enabled by Porous Bowl-Like LiFePO <sub>4</sub> /C Composite with Na <sup>+</sup> Doping. <i>ChemElectroChem</i> , 2017, 4, 1141-1147.	1.7	22
64	Hierarchically ordered mesoporous TiO <sub>2</sub> nanofiber bundles derived from natural collagen fibers for lithium and sodium storage. <i>Journal of Alloys and Compounds</i> , 2018, 731, 844-852.	2.8	22
65	Biotemplate-Based Engineering of High-Temperature Stable Anatase TiO <sub>2</sub> Nanofiber Bundles with Impregnated CeO <sub>2</sub> Nanocrystals for Enhanced Lithium Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7823-7832.	3.2	22
66	Interface and defect engineering enable fast and high-efficiency Li extraction of metatitanic acid adsorbent. <i>Chemical Engineering Journal</i> , 2021, 425, 130550.	6.6	22
67	Dopamine Self-Polymerization Enables an N-Doped Carbon Coating of Exfoliated MoS <sub>2</sub> Nanoflakes for Anodes of Lithium-ion Batteries. <i>ChemElectroChem</i> , 2018, 5, 383-390.	1.7	21
68	Synthesis of unique mesoporous ZrO <sub>2</sub> -carbon fiber from collagen fiber. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 705-709.	2.2	20
69	Improving the electrochemical properties of Li <sub>1.2</sub> Mn <sub>0.52</sub> Co <sub>0.08</sub> Ni <sub>0.2</sub> O <sub>2</sub> cathode material by uniform surface nanocoating with samarium fluoride through depositional-hydrothermal route. <i>Journal of Alloys and Compounds</i> , 2015, 634, 75-82.	2.8	20
70	Vesicle-like sulfur/reduced graphene oxide composites for high performance lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2017, 724, 1007-1013.	2.8	20
71	Cooperative enhancement of electrochemical properties in double carbon-decorated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /C composite as anode for Li-ion batteries. <i>Journal of Alloys and Compounds</i> , 2015, 633, 443-447.	2.8	19
72	Template synthesis and lithium storage performances of hollow spherical LiMn <sub>2</sub> O <sub>4</sub> cathode materials. <i>Ceramics International</i> , 2016, 42, 10498-10505.	2.3	19

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73	Facile Synthesis of Amorphous Ge Supported by Ni Nanopyramid Arrays as an Anode Material for Sodium-Ion Batteries. <i>ChemistryOpen</i> , 2019, 8, 298-303.	0.9	19
74	One-step synthesis of CoPSe@CoSe <sub>2</sub> /CNTs as efficient electrocatalyst for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2020, 331, 135362.	2.6	19
75	Three-dimensional cross-linked MnO/Sb hybrid nanowires co-embedded nitrogen-doped carbon tubes as high-performance anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155239.	2.8	19
76	Design and host-involved <i>in situ</i> fabrication of La <sub>4</sub> NiLiO <sub>8</sub> coating on Ni-rich cathode materials towards superior structural stability. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3427-3440.	5.2	19
77	Constructing Densely Compacted Graphite/Si/SiO <sub>2</sub> Ternary Composite Anodes for High-Performance Li-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 22323-22331.	4.0	19
78	Highly stable Pt nanoparticle catalyst supported by polyphenol-grafted collagen fiber and its catalytic application in the hydrogenation of olefins. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1702-1711.	1.6	18
79	Supercapacitive behaviors of the nitrogen-enriched activated mesocarbon microbead in aqueous electrolytes. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 1693-1700.	1.2	17
80	Facile synthesis of micro-spherical LiMn <sub>0.7</sub> Fe <sub>0.3</sub> PO <sub>4</sub> /C cathodes with advanced cycle life and rate performance for lithium-ion battery. <i>Ceramics International</i> , 2017, 43, 4821-4830.	2.3	17
81	Embedding Silicon in Pinecone-Derived Porous Carbon as a High-Performance Anode for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2020, 7, 2889-2895.	1.7	17
82	Nano-silicon embedded in MOFs-derived nitrogen-doped carbon/cobalt/carbon nanotubes hybrid composite for enhanced lithium ion storage. <i>Applied Surface Science</i> , 2020, 529, 147134.	3.1	17
83	The effect of activation technology on the electrochemical performance of calcium carbide skeleton carbon. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2941-2947.	1.2	16
84	Silver nanoparticles stabilized by tannin grafted collagen fiber: synthesis, characterization and antifungal activity. <i>Annals of Microbiology</i> , 2012, 62, 319-327.	1.1	16
85	Optimization of synthesis parameters for uniform sphere-like Li <sub>1.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> O <sub>2</sub> as high performance cathode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 775, 921-930.	2.8	16
86	Template-Assisted Synthesis of a One-Dimensional Hierarchical Li <sub>1.2</sub> Mn <sub>0.54</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> O <sub>2</sub> Microrod Cathode Material for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2017, 4, 332-339.	1.7	15
87	A Heterostructure-Built Multichambered Host Architecture Enabled by Topochemical Self-Nitridation for Rechargeable Lithiated Silicon Polysulfide Full Battery. <i>Advanced Functional Materials</i> , 2021, 31, 2103456.	7.8	15
88	Three-dimensional porous copper framework supported group IVA element materials as sodium-ion battery anode materials. <i>Journal of Alloys and Compounds</i> , 2019, 771, 169-175.	2.8	14
89	Reduced graphene oxide modified N-doped carbon foam supporting TiO <sub>2</sub> nanoparticles as flexible electrode for high-performance Li/Na ion batteries. <i>Electrochimica Acta</i> , 2019, 311, 141-149.	2.6	14
90	In-situ formation of Li <sub>0.5</sub> Mn <sub>0.5</sub> O coating layer through defect controlling for high performance Li-rich manganese-based cathode material. <i>Journal of Energy Chemistry</i> , 2022, 71, 384-391.	7.1	14

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91	Cycling-induced structure refinement of MnO nanorods wrapped by N-doped carbon with internal void space for advanced lithium-ion anodes. <i>Applied Surface Science</i> , 2019, 479, 386-394.	3.1	13
92	Facile synthesis of hierarchical polycrystic iron-nitride/phosphide hybrids microsphere constructed by CNTs for stable and enhanced lithium storage. <i>Ceramics International</i> , 2019, 45, 216-224.	2.3	13
93	Facile Synthesis of LiFePO <sub>4</sub> /C with High Tap-density as Cathode for High Performance Lithium Ion Batteries. <i>International Journal of Electrochemical Science</i> , 2017, 12, 206-217.	0.5	13
94	Liquid phase hydrogenation of olefins using heterogenized ruthenium complexes as high active and reusable catalyt. <i>Catalysis Communications</i> , 2010, 11, 487-492.	1.6	12
95	Sandwiching Defect-Rich TiO <sub>2</sub> Nanocrystals into a Three-Dimensional Flexible Conformal Carbon Hybrid Matrix for Long-Cycling and High-Rate Li/Na-Ion Batteries. <i>Inorganic Chemistry</i> , 2019, 58, 8841-8853.	1.9	12
96	The effects of preparation temperature on microstructure and electrochemical performance of calcium carbide-derived carbon. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2453-2460.	1.2	11
97	Preparation of Enhanced Performance LiMn <sub>0.6</sub> Fe <sub>0.4</sub> PO <sub>4</sub> /C Cathode Material for Lithium-Ion Batteries by using a Divalent Transition-Metal Phosphate as an Intermediate. <i>ChemElectroChem</i> , 2017, 4, 175-182.	1.7	11
98	Biotemplate-mediated structural engineering of rod-like V <sub>2</sub> O <sub>5</sub> cathode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 787, 625-630.	2.8	11
99	Graphene nanoscrolls-wrapped oxygen-deficient ZnSb <sub>2</sub> O <sub>6</sub> - nanospheres for enhanced lithium-ion storage. <i>Carbon</i> , 2021, 178, 743-752.	5.4	11
100	Harmonious Dual-Riveting Interface Induced from Niobium Oxides Coating Toward Superior Stability of Li-Rich Mn-Based Cathode. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 61248-61257.	4.0	11
101	Bottom-Up Construction of Reduced-Graphene-Oxide-Anchored MnO with an Nitrogen-Doped Carbon Coating for Synergistically Improving Lithium-Ion Storage. <i>Inorganic Chemistry</i> , 2018, 57, 13693-13701.	1.9	10
102	Synergistic Effect of WN/Mo <sub>2</sub> C Embedded in Bioderived Carbon Nanofibers: A Rational Design of a Shuttle Inhibitor and an Electrocatalyst for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 18578-18588.	4.0	10
103	Nanocoating of Ce-tannic acid metal-organic coordination complex: surface modification of layered Li <sub>1.2</sub> Mn <sub>0.6</sub> Ni <sub>0.2</sub> O <sub>2</sub> by CeO <sub>2</sub> coating for lithium-ion batteries. <i>Ionics</i> , 2019, 25, 3031-3040.	1.2	9
104	Engineering Bifunctional Host Materials of Sulfur and Lithium-Metal Based on Nitrogen-Enriched Polyacrylonitrile for Li-S Batteries. <i>Chemistry - A European Journal</i> , 2020, 26, 8784-8793.	1.7	9
105	A Natural Polymer Captor for Immobilizing Polysulfide/Polyselenide in Working Li-SeS <sub>2</sub> Batteries. <i>Nano-Micro Letters</i> , 2021, 13, 104.	14.4	9
106	LiFePO <sub>4</sub> /carbon hybrids with fast Li-ion solid transfer capability obtained by adjusting the superheat temperature. <i>Journal of Alloys and Compounds</i> , 2019, 803, 998-1004.	2.8	8
107	Bioderived carbon fiber conductive networks with inlaid electrocatalysts as an ultralight freestanding interlayer for working Li-SeS <sub>2</sub> pouch cells. <i>Carbon</i> , 2022, 189, 10-20.	5.4	8
108	Rational Design of Space-Confining Mn-Based Heterostructures with Synergistic Interfacial Charge Transport and Structural Integrity for Lithium Storage. <i>Inorganic Chemistry</i> , 2022, 61, 8366-8378.	1.9	8

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109	Influence of Co-substitution on Structure and Electrochemical Performances of Li-rich Spinel $\text{LiMn}_2\text{O}_4$ . <i>Integrated Ferroelectrics</i> , 2015, 164, 23-32.	0.3	7
110	Graphene-nanoscroll-based Integrated and self-standing electrode with a sandwich structure for lithium sulfur batteries. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 592-596.	3.0	7
111	Synergistic Structural Engineering of Tunnel-Type Polyantimonic Acid Enables Dual-Boosted Volumetric and Areal Lithium Energy Storage. <i>Advanced Energy Materials</i> , 0, , 2200653.	10.2	6
112	Facile Synthesis of Bowl-Like $\text{LiFePO}_4/\text{C}$ Composite with High Rate-Performance. <i>Journal of Electronic Materials</i> , 2018, 47, 3543-3551.	1.0	5
113	Ultrafast and durable Li/Na storage by an iron selenide anode using an elastic hierarchical structure. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3686-3696.	3.0	5
114	Bismuth dots imbedded in ultralong nitrogen-doped carbon tubes for highly efficient lithium ion storage. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4854-4864.	3.0	4
115	Influence of multistep sintering method on electrochemical performances of $7\text{LiFePO}_4\cdot\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ composite cathode material for lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 477-484.	1.2	3
116	Optimizing Current Terminals of 18Ah 650 Lithium-Ion Power Batteries under High Discharge Current. <i>Energy Technology</i> , 2017, 5, 1619-1626.	1.8	3
117	Synthesis of Porous Bowl-like $\text{LiFePO}_4/\text{C}$ Composite with Ultrahigh Rate Capability. <i>International Journal of Electrochemical Science</i> , 2017, , 2692-2703.	0.5	1
118	Anode Materials: Realizing Reversible Conversion Alloying of Sb(V) in Polyantimonic Acid for Fast and Durable Lithium and Potassium-Ion Storage ( <i>Adv. Energy Mater.</i> 1/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070002.	10.2	1
119	Fabrication of Li <sup>+</sup> -Conductive $\text{Li}_2\text{ZrO}_3$ -Based Shell Encapsulated $\text{LiNi}_0.5\text{Co}_0.2\text{Mn}_0.3\text{O}_2$ Microspheres as High-Rate and Long-Life Cathode Materials for Li-Ion Batteries. <i>ChemElectroChem</i> , 2015, 2, 1861-1861.	1.7	0
120	A Pilot Study: A Statistical Analysis for the Crowdsourced Design Evaluation Results based on the cDesign Framework. , 2019, , .		0
121	Preparation of Pd-Ni Bimetallic Catalyst Supported on Polyphenol-Grafted Collagen Fiber and Its Catalytic Behavior in Nitrobenzene Hydrogenation. <i>Chinese Journal of Catalysis</i> , 2011, 31, 1465-1472.	6.9	0
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