

Yongguang Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

167
papers

4,311
citations

37
h-index

55
g-index

176
ext. papers

5,654
ext. citations

7.6
avg, IF

6.11
L-index

#	Paper	IF	Citations
167	Oxidized Nb ₂ C MXene as catalysts for lithium-sulfur batteries: mitigating the shuttle phenomenon by facilitating catalytic conversion of lithium polysulfides. <i>Journal of Materials Science and Technology</i> , 2022 ,	9.1	4
166	Design of Quasi-MOF Nanospheres as a Dynamic Electrocatalyst toward Accelerated Sulfur Reduction Reaction for High-Performance Lithium-Sulfur Batteries (Adv. Mater. 2/2022). <i>Advanced Materials</i> , 2022 , 34, 2270015	24	
165	Coordinatively Deficient Single-atom Fe-N-C Electrocatalyst with Optimized Electronic Structure for High-performance Lithium-sulfur Batteries. <i>Energy Storage Materials</i> , 2022 , 46, 269-277	19.4	10
164	Defect-rich porous tubular graphitic carbon nitride with strong adsorption towards lithium polysulfides for high-performance lithium-sulfur batteries. <i>Journal of Materials Science and Technology</i> , 2022 , 115, 140-147	9.1	0
163	Building Flexibly Porous Conductive Skeleton Inlaid with Surface Oxygen-Dominated MXene as an Amphiphilic Nanoreactor for Stable Li-S Pouch Batteries. <i>Energy Storage Materials</i> , 2022 , 47, 434-434	19.4	3
162	Defective ZnOx@porous carbon nanofiber network inducing dendrite-free zinc plating as zinc metal anode for high-performance aqueous rechargeable Zn/Na ₄ Mn ₉ O ₁₈ battery based on hybrid electrolyte. <i>Journal of Power Sources</i> , 2022 , 518, 230761	8.9	2
161	In-situ constructed accordion-like Nb ₂ C/Nb ₂ O ₅ heterostructure as efficient catalyzer towards high-performance lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2022 , 520, 230902	8.9	4
160	Rational design of graphene oxide wrapped porous microspheres as high-performance sulfur cathode in lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2022 , 899, 163240	5.7	1
159	Integrating Nanoreactor with ONbC Heterointerface Design and Defects Engineering Toward High-Efficiency and Longevous Sodium Ion Battery (Adv. Energy Mater. 18/2022). <i>Advanced Energy Materials</i> , 2022 , 12, 2270071	21.8	
158	Interspersing Partially Oxidized VC Nanosheets and Carbon Nanotubes toward Multifunctional Polysulfide Barriers for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 56085-56094	9.5	7
157	Boron nitride nanosheets wrapped by reduced graphene oxide for promoting polysulfides adsorption in lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2021 ,	9.3	1
156	Synthesis of Double-Shelled Nanocages through a Spray-Drying Process as an Advanced Sulfur Reservoir for Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 12623-12630	6.1	1
155	Design of Quasi-MOF Nanospheres as a Dynamic Electrocatalyst toward Accelerated Sulfur Reduction Reaction for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2021 , e2105541	24	18
154	Hierarchically Porous TiC MXene with Tunable Active Edges and Unsaturated Coordination Bonds for Superior Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2021 ,	16.7	10
153	Carbon nanotubes assembled on porous TiO matrix doped with CoO as sulfur host for lithium-sulfur batteries. <i>Nanotechnology</i> , 2021 , 32, 075403	3.4	7
152	Cobalt-doped oxygen-deficient titanium dioxide coated by carbon layer as high-performance sulfur host for Li/S batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 861, 157969	5.7	9
151	Bauna Activation toward Intrinsic Lattice Deficiency in Carbon Nanotube Microspheres for High-Energy and Long-Lasting Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2100497	21.8	16

150	Improving the cycling stability of three-dimensional nanoporous Ge anode by embedding Ag nanoparticles for high-performance lithium-ion battery. <i>Journal of Colloid and Interface Science</i> , 2021 , 592, 103-115	9.3	10
149	Aligned sulfur-deficient ZnS1x nanotube arrays as efficient catalyzer for high-performance lithium/sulfur batteries. <i>Nano Energy</i> , 2021 , 84, 105891	17.1	31
148	NiCoS Nanocrystals on Nitrogen-Doped Carbon Nanotubes as High-Performance Anode for Lithium-Ion Batteries. <i>Nanoscale Research Letters</i> , 2021 , 16, 105	5	0
147	LiS Batteries: Surface Activation toward Intrinsic Lattice Deficiency in Carbon Nanotube Microspheres for High-Energy and Long-Lasting Lithium-Sulfur Batteries (Adv. Energy Mater. 26/2021). <i>Advanced Energy Materials</i> , 2021 , 11, 2170099	21.8	1
146	Deciphering interpenetrated interface of transition metal oxides/phosphates from atomic level for reliable Li/S electrocatalytic behavior. <i>Nano Energy</i> , 2021 , 81, 105602	17.1	23
145	Dissolving Vanadium into Titanium Nitride Lattice Framework for Rational Polysulfide Regulation in LiS Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2003020	21.8	22
144	Pomegranate-like conductive spherical composite as multifunctional cathode for high-performance lithium-sulfur battery. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157382	5.7	2
143	Spontaneously rooting carbon nanotube incorporated N-doped carbon nanofibers as efficient sulfur host toward high performance lithium-sulfur batteries. <i>Applied Surface Science</i> , 2021 , 539, 148209	6.7	17
142	Nickel embedded porous macrocellular carbon derived from popcorn as sulfur host for high-performance lithium-sulfur batteries. <i>Journal of Materials Science and Technology</i> , 2021 , 74, 69-77	9.1	10
141	Strain Engineering of a MXene/CNT Hierarchical Porous Hollow Microsphere Electrocatalyst for a High-Efficiency Lithium Polysulfide Conversion Process. <i>Angewandte Chemie</i> , 2021 , 133, 2401-2408	3.6	7
140	Amorphous-crystalline-heterostructured niobium oxide as two-in-one host matrix for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 11160-11167	13	6
139	Hierarchical Micro-Nanoclusters of Bimetallic Layered Hydroxide Polyhedrons as Advanced Sulfur Reservoir for High-Performance Lithium-Sulfur Batteries. <i>Advanced Science</i> , 2021 , 8, 2003400	13.6	19
138	Innentitelbild: Strain Engineering of a MXene/CNT Hierarchical Porous Hollow Microsphere Electrocatalyst for a High-Efficiency Lithium Polysulfide Conversion Process (Angew. Chem. 5/2021). <i>Angewandte Chemie</i> , 2021 , 133, 2198-2198	3.6	
137	3D MXene microspheres with honeycomb architecture for tumor photothermal/photodynamic/chemo combination therapy. <i>Nanotechnology</i> , 2021 , 32, 195701	3.4	3
136	Rational Construction of Sulfur-Deficient NiCo2S4 Hollow Microspheres as an Effective Polysulfide Immobilizer toward High-Performance Lithium/Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1687-1695	6.1	13
135	A new defect-rich and ultrathin ZnCo layered double hydroxide/carbon nanotubes architecture to facilitate catalytic conversion of polysulfides for high-performance Li-S batteries. <i>Chemical Engineering Journal</i> , 2021 , 417, 129248	14.7	6
134	Design Zwitterionic Amorphous Conjugated Micro-/Mesoporous Polymer Assembled Nanotentacle as Highly Efficient Sulfur Electrocatalyst for Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2101926	21.8	10
133	Amorphizing metal-organic framework towards multifunctional polysulfide barrier for high-performance lithium-sulfur batteries. <i>Nano Energy</i> , 2021 , 86, 106094	17.1	27

132	Engineering zwitterionic barrier by squaraine-based porous organic framework fiber for superior lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2021 , 397, 139276	6.7	1
131	Engineering Oversaturated Fe-N Multifunctional Catalytic Sites for Durable Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26622-26629	16.4	23
130	Nitrogen-doped graphitized porous carbon with embedded NiFe alloy nanoparticles to enhance electrochemical performance for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 882, 160728	5.7	4
129	Sn modified nanoporous Ge for improved lithium storage performance. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 563-572	9.3	8
128	Promoting polysulfides redox conversion by sulfur-deficient ZnS1□ hollow polyhedrons for lithium-sulfur batteries. <i>Materials and Design</i> , 2021 , 210, 110060	8.1	0
127	Strain Engineering of a MXene/CNT Hierarchical Porous Hollow Microsphere Electrocatalyst for a High-Efficiency Lithium Polysulfide Conversion Process. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2371-2378	16.4	78
126	Hematite photoanode modified with inexpensive hole-storage layer for highly efficient solar water oxidation. <i>Nanotechnology</i> , 2020 , 31, 455405	3.4	3
125	All-Purpose Electrodes: All-Purpose Electrode Design of Flexible Conductive Scaffold toward High-Performance LiS Batteries (Adv. Funct. Mater. 19/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070123	15.6	1
124	Three-dimensionally ordered macro-microporous metal organic frameworks with strong sulfur immobilization and catalyzation for high-performance lithium-sulfur batteries. <i>Nano Energy</i> , 2020 , 72, 104685	17.1	83
123	All-Purpose Electrode Design of Flexible Conductive Scaffold toward High-Performance LiS Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 2000613	15.6	56
122	Mulberry-like hollow rGO microspheres decorated with CoO nanoparticles as efficient polysulfides anchoring for Li-S batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 873, 114375	4.1	2
121	AlF3 microrods modified nanoporous Ge/Ag anodes fabricated by one-step dealloying strategy for stable lithium storage. <i>Materials Letters</i> , 2020 , 276, 128254	3.3	6
120	High specific surface area bimodal porous carbon derived from biomass reed flowers for high performance lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2020 , 569, 22-33	9.3	51
119	Defect-Rich Multishelled Fe-Doped CoO Hollow Microspheres with Multiple Spatial Confinements to Facilitate Catalytic Conversion of Polysulfides for High-Performance Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12763-12773	9.5	70
118	Dual-network nanoporous NiFe ₂ O ₄ /NiO composites for high performance Li-ion battery anodes. <i>Chemical Engineering Journal</i> , 2020 , 388, 124207	14.7	35
117	Lithium-Sulfur Batteries: Low-Bandgap Se-Deficient Antimony Selenide as a Multifunctional Polysulfide Barrier toward High-Performance LithiumSulfur Batteries (Adv. Mater. 4/2020). <i>Advanced Materials</i> , 2020 , 32, 2070030	24	4
116	Hierarchical Defective Fe ₃ -xC@C Hollow Microsphere Enables Fast and Long-Lasting LithiumSulfur Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 2001165	15.6	85
115	Facile Approach to Prepare rGO@FeO Microspheres for the Magnetically Targeted and NIR-responsive Chemo-photothermal Combination Therapy. <i>Nanoscale Research Letters</i> , 2020 , 15, 86	5	18

114	Lithium-Sulfur Batteries: Hierarchical Defective Fe _{3-x} C@C Hollow Microsphere Enables Fast and Long-Lasting Lithium-Sulfur Batteries (Adv. Funct. Mater. 22/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070142	15.6	
113	Low-Bandgap Se-Deficient Antimony Selenide as a Multifunctional Polysulfide Barrier toward High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2020 , 32, e1904876	24	120
112	Co ₃ TiO ₂ nanoparticles anchored in porous carbon matrix as an efficient sulfur host for lithium/sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 818, 152868	5.7	12
111	Synthesis of CoO nanocrystals decorated porous carbon nanotube microspheres as sulfur host for high performance Li/S batteries. <i>Nanotechnology</i> , 2020 , 31, 025403	3.4	9
110	Synthesis of microflower-like vacancy defective copper sulfide/reduced graphene oxide composites for highly efficient lithium-ion batteries. <i>Nanotechnology</i> , 2020 , 31, 095405	3.4	6
109	Bimodal nanoporous NiO@Ni ₃ Si network prepared by dealloying method for stable Li-ion storage. <i>Journal of Power Sources</i> , 2020 , 449, 227550	8.9	27
108	Facile synthesis of free-standing nanorod structured ZnO@carbon nanofiber film and its application in lithium-ion battery anode. <i>Solid State Sciences</i> , 2020 , 109, 106430	3.4	3
107	Engineering the Conductive Network of Metal Oxide-Based Sulfur Cathode toward Efficient and Longevous Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 2002076	21.8	60
106	Soft on rigid nanohybrid as the self-supporting multifunctional cathode electrocatalyst for high-performance lithium-polysulfide batteries. <i>Nano Energy</i> , 2020 , 78, 105293	17.1	21
105	Three-Dimensionally Ordered Macroporous ZnO Framework as Dual-Functional Sulfur Host for High-Efficiency Lithium-Sulfur Batteries. <i>Nanomaterials</i> , 2020 , 10,	5.4	2
104	Evaluating Sulfur-Composite Cathode Material with Lithiated Graphite Anode in Coin Cell and Pouch Cell Configuration. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	1
103	Novel MoSe ₂ /MoO ₂ heterostructure as an effective sulfur host for high-performance lithium/sulfur batteries. <i>Chemical Engineering Journal</i> , 2020 , 381, 122672	14.7	45
102	Facile spray drying approach to synthesize Sb ₂ Se ₃ /rGO composite anode for lithium-ion battery. <i>Journal of Nanoparticle Research</i> , 2019 , 21, 1	2.3	13
101	Hydrogen evolution reaction mechanism on 2H-MoS ₂ electrocatalyst. <i>Applied Surface Science</i> , 2019 , 498, 143869	6.7	33
100	Synthesis of highly defective hollow double-shelled Co ₃ O ₄ microspheres as sulfur host for high-performance lithium-sulfur batteries. <i>Materials Letters</i> , 2019 , 255, 126581	3.3	10
99	Synthesis of nitrogen-doped oxygen-deficient TiO _{2-x} /reduced graphene oxide/sulfur microspheres via spray drying process for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2019 , 326, 134968	6.7	29
98	Boosting the electrochemical performance of lithium/sulfur batteries with the carbon nanotube/Fe ₃ O ₄ coated by carbon modified separator. <i>Electrochimica Acta</i> , 2019 , 327, 134843	6.7	28
97	Nanoporous GeO ₂ /Cu/Cu ₂ O network synthesized by dealloying method for stable Li-ion storage. <i>Electrochimica Acta</i> , 2019 , 300, 363-372	6.7	25

96	Flexible S/DPAN/KB Nanofiber Composite as Binder-Free Cathodes for Li-S Batteries. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A5396-A5402	3.9	23
95	Ultra-fine zinc oxide nanocrystals decorated three-dimensional macroporous polypyrrole inverse opal as efficient sulfur hosts for lithium/sulfur batteries. <i>Chemical Engineering Journal</i> , 2019 , 375, 122055-122064	14.7	24
94	Construction of Oxygen-Deficient La(OH) Nanorods Wrapped by Reduced Graphene Oxide for Polysulfide Trapping toward High-Performance Lithium/Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 23271-23279	9.5	42
93	Preparation of Na ₄ Mn ₉ O ₁₈ /carbon nanotube/reduced graphene oxide by spray drying as cathode materials for sodium ion batteries. <i>Solid State Sciences</i> , 2019 , 94, 77-84	3.4	7
92	Synthesis and characterization of mesoporous BiVO ₄ nanofibers with enhanced photocatalytic water oxidation performance. <i>Applied Surface Science</i> , 2019 , 481, 255-261	6.7	24
91	A porous 3D-RGO@MWCNT hybrid material as Li-S battery cathode. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 514-521	3	4
90	Polypyrrole Nanowires with Ordered Large Mesopores: Synthesis, Characterization and Applications in Supercapacitor and Lithium/Sulfur Batteries. <i>Polymers</i> , 2019 , 11,	4.5	10
89	TiO ₂ /GO-coated functional separator to suppress polysulfide migration in lithium-sulfur batteries. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1726-1736	3	9
88	Vertically rooting multifunctional tentacles on carbon scaffold as efficient polysulfide barrier toward superior lithium-sulfur batteries. <i>Nano Energy</i> , 2019 , 64, 103905	17.1	74
87	Synthesis of carbon coated Fe ₃ O ₄ grown on graphene as effective sulfur-host materials for advanced lithium/sulfur battery. <i>Journal of Power Sources</i> , 2019 , 437, 226901	8.9	28
86	Mechanistic study of site blocking catalytic deactivation through accelerated kinetic Monte Carlo. <i>Journal of Catalysis</i> , 2019 , 378, 176-183	7.3	5
85	TiO ₂ /Porous Carbon Composite-Decorated Separators for Lithium/Sulfur Battery. <i>Nanoscale Research Letters</i> , 2019 , 14, 176	5	19
84	Hierarchical Rambutan-Like CNTs-Assembled NiCo ₂ @rGO Composite as Sulfur Immobilizer for High-Performance Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2019 , 6, 4565-4570	4.3	9
83	Blackberry-like hollow graphene spheres synthesized by spray drying for high-performance lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2019 , 295, 822-828	6.7	27
82	TiO ₂ nanoparticles anchored on three-dimensionally ordered macro/mesoporous carbon matrix as polysulfides immobilizers for high performance lithium/sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 565-572	2.6	9
81	ZnS Nanotubes/Carbon Cloth as a Reversible and High-Capacity Anode Material for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2019 , 6, 461-466	4.3	20
80	A novel CuS/graphene-coated separator for suppressing the shuttle effect of lithium/sulfur batteries. <i>Applied Surface Science</i> , 2019 , 466, 309-319	6.7	40
79	Sulfur-Infiltrated Three-Dimensionally Ordered Mesoporous Polypyrrole Cathode for High-Performance Lithium-Sulfur Battery. <i>ChemElectroChem</i> , 2018 , 5, 1591-1598	4.3	19

78	Effect of Ni interlayer on characteristics of diffusion bonded Mg/Al joints. <i>Materials Science and Technology</i> , 2018 , 34, 1104-1111	1.5	10
77	Porous three-dimensional reduced graphene oxide for high-performance lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2018 , 739, 290-297	5.7	37
76	Modified Si nanowire/graphite-like carbon nitride core-shell photoanodes for solar water splitting. <i>Electrochemistry Communications</i> , 2018 , 87, 13-17	5.1	13
75	Three-dimensionally ordered hierarchically porous polypyrrole loading sulfur as high-performance cathode for lithium/sulfur batteries. <i>Polymer</i> , 2018 , 137, 261-268	3.9	32
74	Porous TiO ₂ /Fe ₂ O ₃ nanoplate composites prepared by de-alloying method for Li-ion batteries. <i>Materials Letters</i> , 2018 , 211, 254-257	3.3	22
73	Chemical Dealloying Synthesis of CuS Nanowire-on-Nanoplate Network as Anode Materials for Li-Ion Batteries. <i>Metals</i> , 2018 , 8, 252	2.3	22
72	Nitrogen-doped carbon nanotubes coated with zinc oxide nanoparticles as sulfur encapsulator for high-performance lithium/sulfur batteries. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 1677-1685	3	8
71	Synthesis of a Flexible Freestanding Sulfur/Polyacrylonitrile/Graphene Oxide as the Cathode for Lithium/Sulfur Batteries. <i>Polymers</i> , 2018 , 10,	4.5	9
70	Three-dimensionally ordered macro/mesoporous TiO matrix to immobilize sulfur for high performance lithium/sulfur batteries. <i>Nanotechnology</i> , 2018 , 29, 415401	3.4	10
69	Preparation of Hierarchical Porous Carbon from Waterweed and Its Application in Lithium/Sulfur Batteries. <i>Energies</i> , 2018 , 11, 1535	3.1	5
68	Synthesis of Core-Shell Carbon Encapsulated Fe ₂ O ₃ Composite through a Facile Hydrothermal Approach and Their Application as Anode Materials for Sodium-Ion Batteries. <i>Metals</i> , 2018 , 8, 461	2.3	4
67	Three-Dimensionally Hierarchical Graphene Based Aerogel Encapsulated Sulfur as Cathode for Lithium/Sulfur Batteries. <i>Nanomaterials</i> , 2018 , 8,	5.4	14
66	Novel Sulfur/Ethylenediamine-Functionalized Reduced Graphene Oxide Composite as Cathode Material for High-performance Lithium-Sulfur Batteries. <i>Nanomaterials</i> , 2018 , 8,	5.4	4
65	Micro-Spherical Sulfur/Graphene Oxide Composite via Spray Drying for High Performance Lithium Sulfur Batteries. <i>Nanomaterials</i> , 2018 , 8,	5.4	35
64	Polyacrylonitrile-Nanofiber-Based Gel Polymer Electrolyte for Novel Aqueous Sodium-Ion Battery Based on a NaMnO ₂ Cathode and Zn Metal Anode. <i>Polymers</i> , 2018 , 10,	4.5	11
63	Three-Dimensional Hierarchical Porous Structure of PPy/Porous-Graphene to Encapsulate Polysulfides for Lithium/Sulfur Batteries. <i>Nanomaterials</i> , 2018 , 8,	5.4	15
62	Hierarchically porous TiO ₂ matrix encapsulated sulfur and polysulfides for high performance lithium/sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2018 , 769, 678-685	5.7	19
61	Ternary Sulfur/Polyacrylonitrile/SiO ₂ Composite Cathodes for High-Performance Sulfur/Lithium Ion Full Batteries. <i>Polymers</i> , 2018 , 10,	4.5	13

60	Flexible free-standing Na ₄ Mn ₉ O ₁₈ /reduced graphene oxide composite film as a cathode for sodium rechargeable hybrid aqueous battery. <i>Electrochimica Acta</i> , 2018 , 259, 647-654	6.7	17
59	Novel silicon nanowire film on copper foil as high performance anode for lithium-ion batteries. <i>Ionics</i> , 2018 , 24, 373-378	2.7	16
58	A PPy/ZnO functional interlayer to enhance electrochemical performance of lithium/sulfur batteries. <i>Nanoscale Research Letters</i> , 2018 , 13, 307	5	23
57	Three-Dimensional S/CeO ₂ /RGO Composites as Cathode Materials for Lithium-Sulfur Batteries. <i>Materials</i> , 2018 , 11,	3.5	11
56	Three-dimensional carbon cloth-supported ZnO nanorod arrays as a binder-free anode for lithium-ion batteries. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	10
55	Well-dispersed sulfur anchored on interconnected polypyrrole nanofiber network as high performance cathode for lithium-sulfur batteries. <i>Solid State Sciences</i> , 2017 , 66, 44-49	3.4	54
54	Three-dimensionally ordered macro-/mesoporous carbon loading sulfur as high-performance cathodes for lithium/sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 714, 126-132	5.7	24
53	3D Ordered Macroporous Carbon Encapsulated ZnO Nanoparticles as a High-Performance Anode for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 2359-2365	4.3	16
52	Nitrogen-Doped Defective Graphene Aerogel as Anode for all Graphene-Based Lithium Ion Capacitor. <i>ChemistrySelect</i> , 2017 , 2, 8436-8445	1.8	11
51	Enhanced electrochemical performance of sulfur/polyacrylonitrile composite by carbon coating for lithium/sulfur batteries. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	22
50	Enhanced cycle performance of Li/S battery with the reduced graphene oxide/activated carbon functional interlayer. <i>Journal of Energy Chemistry</i> , 2017 , 26, 1276-1281	12	82
49	Synthesis of mesoporous hollow polypyrrole spheres and the utilization as supports of high loading of Pt nanoparticles. <i>Materials Letters</i> , 2017 , 207, 225-229	3.3	13
48	Facile Synthesis of SiO ₂ @C Nanoparticles Anchored on MWNT as High-Performance Anode Materials for Li-ion Batteries. <i>Nanoscale Research Letters</i> , 2017 , 12, 459	5	25
47	Electrochemical Properties of an NaMnO ₂ -Reduced Graphene Oxide Composite Synthesized via Spray Drying for an Aqueous Sodium-Ion Battery. <i>Nanomaterials</i> , 2017 , 7,	5.4	10
46	Biomass Waste Inspired Highly Porous Carbon for High Performance Lithium/Sulfur Batteries. <i>Nanomaterials</i> , 2017 , 7,	5.4	22
45	Biomass-Derived Oxygen and Nitrogen Co-Doped Porous Carbon with Hierarchical Architecture as Sulfur Hosts for High-Performance Lithium/Sulfur Batteries. <i>Nanomaterials</i> , 2017 , 7,	5.4	36
44	Corn stalk-derived activated carbon with a stacking sheet-like structure as sulfur cathode supporter for lithium/sulfur batteries. <i>Ionics</i> , 2016 , 22, 63-69	2.7	23
43	Interconnected nitrogen-doped carbon nanofibers derived from polypyrrole for high-performance Li/S batteries. <i>Russian Journal of Applied Chemistry</i> , 2016 , 89, 1336-1340	0.8	7

42	Electrochemical performance of carbon-encapsulated Fe ₃ O ₄ nanoparticles in lithium-ion batteries: morphology and particle size effects. <i>Electrochimica Acta</i> , 2016 , 216, 475-483	6.7	37
41	Fabrication and Properties of Carbon-Encapsulated Cobalt Nanoparticles over NaCl by CVD. <i>Nanoscale Research Letters</i> , 2016 , 11, 432	5	20
40	Synthesis of Mesoporous ZnO Nanosheets via Facile Solvothermal Method as the Anode Materials for Lithium-ion Batteries. <i>Nanoscale Research Letters</i> , 2016 , 11, 37	5	23
39	High-loading Pt nanoparticles on mesoporous carbon with large mesopores for highly active methanol electro-oxidation. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 1705-1712	2.6	8
38	Synthesis and electrochemical investigation of highly dispersed ZnO nanoparticles as anode material for lithium-ion batteries. <i>Ionics</i> , 2016 , 22, 1387-1393	2.7	26
37	Synthesis of hierarchical MoS ₂ microspheres composed of nanosheets assembled via facile hydrothermal method as anode material for lithium-ion batteries. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	19
36	Examining the effect of nanosized Mg _{0.6} Ni _{0.4} O and Al ₂ O ₃ additives on S/polyaniline cathodes for lithium-sulfur batteries. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 780, 407-415	4.1	17
35	Simple One-Pot Synthesis of Hexagonal ZnO Nanoplates as Anode Material for Lithium-Ion Batteries. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-6	3.2	9
34	Synthesis of Multiwalled Carbon Nanotube Aqueous Suspension with Surfactant Sodium Dodecylbenzene Sulfonate for Lithium/Sulfur Rechargeable Batteries. <i>Electrochemistry</i> , 2016 , 84, 7-11	1.2	7
33	In situ sol-gel synthesis of ultrafine ZnO nanocrystals anchored on graphene as anode material for lithium-ion batteries. <i>Ceramics International</i> , 2016 , 42, 12371-12377	5.1	54
32	Simple fabrication of free-standing ZnO/graphene/carbon nanotube composite anode for lithium-ion batteries. <i>Materials Letters</i> , 2016 , 184, 235-238	3.3	33
31	Facile synthesis of carbon-coated Fe ₃ O ₄ core-shell nanoparticles as anode materials for lithium-ion batteries. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	27
30	Effect of mesoporous carbon microtube prepared by carbonizing the poplar catkin on sulfur cathode performance in Li/S batteries. <i>Journal of Alloys and Compounds</i> , 2015 , 619, 298-302	5.7	61
29	Synthesis of poly(ethylene-oxide)/nanoclay solid polymer electrolyte for all solid-state lithium/sulfur battery. <i>Ionics</i> , 2015 , 21, 381-385	2.7	85
28	A Free-Standing Sulfur/Nitrogen-Doped Carbon Nanotube Electrode for High-Performance Lithium/Sulfur Batteries. <i>Nanoscale Research Letters</i> , 2015 , 10, 450	5	44
27	High Performance Zn/LiFePO ₄ Aqueous Rechargeable Battery for Large Scale Applications. <i>Electrochimica Acta</i> , 2015 , 152, 505-511	6.7	83
26	High performance sulfur/nitrogen-doped graphene cathode for lithium/sulfur batteries. <i>Ionics</i> , 2015 , 21, 1925-1930	2.7	19
25	A sulfur-polyacrylonitrile/graphene composite cathode for lithium batteries with excellent cyclability. <i>Journal of Power Sources</i> , 2014 , 252, 107-112	8.9	59

24	Simple, scalable, and economical preparation of sulfur/PAN composite cathodes for Li/S batteries. <i>Journal of Power Sources</i> , 2014 , 259, 183-187	8.9	60
23	Three-dimensional carbon fiber as current collector for lithium/sulfur batteries. <i>Ionics</i> , 2014 , 20, 803-808	2.7	39
22	Poly(vinylidene fluoride-co-hexafluoropropylene)/poly(methylmethacrylate)/nanoclay composite gel polymer electrolyte for lithium/sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 1111-1116	2.6	62
21	Cyclability of sulfur/dehydrogenated polyacrylonitrile composite cathode in lithium/sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 69-76	2.6	21
20	Preparation of novel network nanostructured sulfur composite cathode with enhanced stable cycle performance. <i>Journal of Power Sources</i> , 2014 , 270, 326-331	8.9	40
19	Synthesis of Hierarchical Porous Sulfur/Polypyrrole/Multiwalled Carbon Nanotube Composite Cathode for Lithium Batteries. <i>Electrochimica Acta</i> , 2014 , 143, 49-55	6.7	54
18	A simple approach to synthesize nanosized sulfur/graphene oxide materials for high-performance lithium/sulfur batteries. <i>Ionics</i> , 2014 , 20, 1047-1050	2.7	34
17	A novel lithium/sulfur battery based on sulfur/graphene nanosheet composite cathode and gel polymer electrolyte. <i>Nanoscale Research Letters</i> , 2014 , 9, 137	5	37
16	Effect of Graphene on Sulfur/Polyacrylonitrile Nanocomposite Cathode in High Performance Lithium/Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2013 , 160, A1194-A1198	3.9	58
15	Effect of nanosized Mg _{0.6} Ni _{0.4} O prepared by self-propagating high temperature synthesis on sulfur cathode performance in Li/S batteries. <i>Powder Technology</i> , 2013 , 235, 248-255	5.2	68
14	One-pot approach to synthesize PPy@S core-shell nanocomposite cathode for Li/S batteries. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	35
13	Fabrication and Characterization of an Effective Polymer Nanocomposite Electrolyte Membrane for High Performance Lithium/Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2013 , 160, A1052-A1058	3.8	36
12	Ternary sulfur/polyacrylonitrile/Mg _{0.6} Ni _{0.4} O composite cathodes for high performance lithium/sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 295-301	13	191
11	SiO ₂ /Cu/polyacrylonitrile-C composite as anode material in lithium ion batteries. <i>Journal of Power Sources</i> , 2013 , 240, 659-666	8.9	47
10	A novel sulfur/polypyrrole/multi-walled carbon nanotube nanocomposite cathode with core-shell tubular structure for lithium rechargeable batteries. <i>Solid State Ionics</i> , 2013 , 238, 30-35	3.3	49
9	A novel nano-sulfur/polypyrrole/graphene nanocomposite cathode with a dual-layered structure for lithium rechargeable batteries. <i>Journal of Power Sources</i> , 2013 , 241, 517-521	8.9	94
8	Binding mechanism of sulfur and dehydrogenated polyacrylonitrile in sulfur/polymer composite cathode. <i>Journal of Power Sources</i> , 2013 , 241, 61-69	8.9	63
7	Electrochemical performance of lithium gel polymer battery with nanostructured sulfur/carbon composite cathode. <i>Solid State Ionics</i> , 2013 , 234, 40-45	3.3	74

6	One-step synthesis of branched sulfur/polypyrrole nanocomposite cathode for lithium rechargeable batteries. <i>Journal of Power Sources</i> , 2012 , 208, 1-8	8.9	111
5	Polymer electrolytes for lithium/sulfur batteries. <i>Membranes</i> , 2012 , 2, 553-64	3.8	77
4	Development in Lithium/Sulfur Secondary Batteries. <i>Open Materials Science Journal</i> , 2011 , 5, 215-221		44
3	Integrating Nanoreactor with ONbTi Heterointerface Design and Defects Engineering Toward High-Efficiency and Longevous Sodium Ion Battery. <i>Advanced Energy Materials</i> , 2103716	21.8	11
2	Engineering Oversaturated Fe-N5 Multifunctional Catalytic Sites for Durable Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> ,	3.6	1
1	Finely-Dispersed Ni ₂ Co Nanoalloys on Flower-Like Graphene Microassembly Empowering a Bi-Service Matrix for Superior Lithium/Sulfur Electrochemistry. <i>Advanced Functional Materials</i> , 2202853	15.6	0