

List of Publications by Citations

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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.

92 papers	8,864 citations	41 h-index	94 g-index
101 ext. papers	10,237 ext. citations	13.2 avg, IF	6.75 L-index

#	Paper	IF	Citations
92	Hollow Carbon Nanofibers Filled with MnO ₂ Nanosheets as Efficient Sulfur Hosts for Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12886-90	16.4	691
91	MOF-derived porous ZnO/ZnFe ₂ O ₄ octahedra with hollow interiors for high-rate lithium-ion batteries. <i>Advanced Materials</i> , 2014 , 26, 6622-8	24	596
90	A sulfur host based on titanium monoxide@carbon hollow spheres for advanced lithium-sulfur batteries. <i>Nature Communications</i> , 2016 , 7, 13065	17.4	511
89	Rational designs and engineering of hollow micro-/nanostructures as sulfur hosts for advanced lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2016 , 9, 3061-3070	35.4	502
88	A highly ordered meso@microporous carbon-supported sulfur@smaller sulfur core-shell structured cathode for Li-S batteries. <i>ACS Nano</i> , 2014 , 8, 9295-303	16.7	497
87	Double-Shelled Nanocages with Cobalt Hydroxide Inner Shell and Layered Double Hydroxides Outer Shell as High-Efficiency Polysulfide Mediator for Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3982-6	16.4	447
86	Pie-like electrode design for high-energy density lithium-sulfur batteries. <i>Nature Communications</i> , 2015 , 6, 8850	17.4	391
85	Insight into the Electrode Mechanism in Lithium-Sulfur Batteries with Ordered Microporous Carbon Confined Sulfur as the Cathode. <i>Advanced Energy Materials</i> , 2014 , 4, 1301473	21.8	350
84	Status and prospects in sulfur-carbon composites as cathode materials for rechargeable lithium-sulfur batteries. <i>Carbon</i> , 2015 , 92, 41-63	10.4	328
83	Hierarchical MoS ₂ tubular structures internally wired by carbon nanotubes as a highly stable anode material for lithium-ion batteries. <i>Science Advances</i> , 2016 , 2, e1600021	14.3	327
82	General Formation of M(x)Co(3-x)S ₄ (M=Ni, Mn, Zn) Hollow Tubular Structures for Hybrid Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10521-4	16.4	220
81	Nickel-Iron Layered Double Hydroxide Hollow Polyhedrons as a Superior Sulfur Host for Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10944-10948	16.4	205
80	A Compact Nanoconfined Sulfur Cathode for High-Performance Lithium-Sulfur Batteries. <i>Joule</i> , 2017 , 1, 576-587	27.8	194
79	Confined selenium within porous carbon nanospheres as cathode for advanced Li-Se batteries. <i>Nano Energy</i> , 2014 , 9, 229-236	17.1	183
78	Sodium storage in Na-rich Na _x FeFe(CN) ₆ nanocubes. <i>Nano Energy</i> , 2015 , 12, 386-393	17.1	183
77	A modular strategy for decorating isolated cobalt atoms into multichannel carbon matrix for electrocatalytic oxygen reduction. <i>Energy and Environmental Science</i> , 2018 , 11, 1980-1984	35.4	173
76	A pyrolyzed polyacrylonitrile/selenium disulfide composite cathode with remarkable lithium and sodium storage performances. <i>Science Advances</i> , 2018 , 4, eaat1687	14.3	172

75	Flexible and Binder-Free Electrodes of Sb/rGO and Na ₃ V ₂ (PO ₄) ₃ /rGO Nanocomposites for Sodium-Ion Batteries. <i>Small</i> , 2015 , 11, 3822-9	11	164
74	Metallic 1T MoS ₂ nanosheet arrays vertically grown on activated carbon fiber cloth for enhanced Li-ion storage performance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14061-14069	13	161
73	Ultrathin, Flexible Polymer Electrolyte for Cost-Effective Fabrication of All-Solid-State Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1902767	21.8	122
72	Necklace-Like Structures Composed of Fe N@C Yolk-Shell Particles as an Advanced Anode for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2018 , 30, e1800525	24	119
71	SnO ₂ as a high-efficiency polysulfide trap in lithium-sulfur batteries. <i>Nanoscale</i> , 2016 , 8, 13638-45	7.7	115
70	High-performance aqueous sodium-ion batteries with K _{0.27} MnO ₂ cathode and their sodium storage mechanism. <i>Nano Energy</i> , 2014 , 5, 97-104	17.1	115
69	Coral-like MnS composites with N-doped carbon as anode materials for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24026		115
68	Engineering stable electrode-separator interfaces with ultrathin conductive polymer layer for high-energy-density Li-S batteries. <i>Energy Storage Materials</i> , 2019 , 23, 261-268	19.4	99
67	General Formation of MxCo ₃ S ₄ (M=Ni, Mn, Zn) Hollow Tubular Structures for Hybrid Supercapacitors. <i>Angewandte Chemie</i> , 2015 , 127, 10667-10670	3.6	99
66	Hollow Carbon Nanofibers Filled with MnO ₂ Nanosheets as Efficient Sulfur Hosts for Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2015 , 127, 13078-13082	3.6	93
65	An Improved LiFeS ₂ Battery with High Energy Density and Long Cycle Life. <i>Advanced Energy Materials</i> , 2017 , 7, 1700281	21.8	91
64	A Freestanding Selenium Disulfide Cathode Based on Cobalt Disulfide-Decorated Multichannel Carbon Fibers with Enhanced Lithium Storage Performance. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14107-14112	16.4	91
63	Mesoporous Carbon@Titanium Nitride Hollow Spheres as an Efficient SeS Host for Advanced Li-SeS Batteries. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16003-16007	16.4	88
62	High-performance lithium-selenium batteries promoted by heteroatom-doped microporous carbon. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3059-3065	13	80
61	A dual coaxial nanocable sulfur composite for high-rate lithium-sulfur batteries. <i>Nanoscale</i> , 2014 , 6, 1653-60	7.9	79
60	Reducing the thickness of solid-state electrolyte membranes for high-energy lithium batteries. <i>Energy and Environmental Science</i> , 2021 , 14, 12-36	35.4	78
59	Facile fabrication of CuO nanosheets on Cu substrate as anode materials for electrochemical energy storage. <i>Journal of Alloys and Compounds</i> , 2014 , 586, 208-215	5.7	72
58	Ultrafine nano-sulfur particles anchored on in situ exfoliated graphene for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9412-9417	13	68

57	Nonporous MOF-derived dopant-free mesoporous carbon as an efficient metal-free electrocatalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9370-9374	13	68
56	High performance lithium-sulfur batteries with a facile and effective dual functional separator. <i>Electrochimica Acta</i> , 2016 , 200, 197-203	6.7	63
55	Nanostructured alkali cation incorporated MnO_2 cathode materials for aqueous sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7780-7785	13	56
54	Double-Shelled Nanocages with Cobalt Hydroxide Inner Shell and Layered Double Hydroxides Outer Shell as High-Efficiency Polysulfide Mediator for Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2016 , 128, 4050-4054	3.6	51
53	A flame-retardant polymer electrolyte for high performance lithium metal batteries with an expanded operation temperature. <i>Energy and Environmental Science</i> , 2021 , 14, 3510-3521	35.4	49
52	Electrolyte with boron nitride nanosheets as leveling agent towards dendrite-free lithium metal anodes. <i>Nano Energy</i> , 2020 , 72, 104725	17.1	42
51	Improving the electrochemical performance of a lithium-sulfur battery with a conductive polymer-coated sulfur cathode. <i>RSC Advances</i> , 2015 , 5, 44160-44164	3.7	40
50	Oxygen plasma modified separator for lithium sulfur battery. <i>RSC Advances</i> , 2015 , 5, 79473-79478	3.7	33
49	Polycationic Polymer Layer for Air-Stable and Dendrite-Free Li Metal Anodes in Carbonate Electrolytes. <i>Advanced Materials</i> , 2021 , 33, e2007428	24	32
48	Li_2S -based anode-free full batteries with modified Cu current collector. <i>Energy Storage Materials</i> , 2020 , 30, 179-186	19.4	30
47	High sulfur-containing organosulfur polymer composite cathode embedded by monoclinic S for lithium sulfur batteries. <i>Energy Storage Materials</i> , 2020 , 26, 570-576	19.4	30
46	Elevated Lithium Ion Regulation by a Natural Silk-Modified Separator for High-Performance Lithium Metal Anode. <i>Advanced Functional Materials</i> , 2021 , 31, 2100537	15.6	29
45	Molecular evolution of the HD-ZIP I gene family in legume genomes. <i>Gene</i> , 2014 , 533, 218-28	3.8	28
44	High-performance lithium-selenium battery with Se/microporous carbon composite cathode and carbonate-based electrolyte. <i>Science China Materials</i> , 2015 , 58, 91-97	7.1	27
43	Green and scalable synthesis of porous carbon nanosheet-assembled hierarchical architectures for robust capacitive energy harvesting. <i>Carbon</i> , 2019 , 152, 537-544	10.4	26
42	A label-free amplified fluorescence DNA detection based on isothermal circular strand-displacement polymerization reaction and graphene oxide. <i>Analyst</i> , 2013 , 138, 3616-20	5	24
41	Rationally Design a Sulfur Cathode with Solid-Phase Conversion Mechanism for High Cycle-Stable LiS Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2003690	21.8	24
40	Nickel-Iron Layered Double Hydroxide Hollow Polyhedrons as a Superior Sulfur Host for Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2018 , 130, 11110-11114	3.6	23

39	Advanced Characterization Techniques for Interface in All-Solid-State Batteries. <i>Small Methods</i> , 2020 , 4, 2000111	12.8	22
38	Advanced Li S/Si Full Battery Enabled by TiN Polysulfide Immobilizer. <i>Small</i> , 2019 , 15, e1902377	11	21
37	A Freestanding Selenium Disulfide Cathode Based on Cobalt Disulfide-Decorated Multichannel Carbon Fibers with Enhanced Lithium Storage Performance. <i>Angewandte Chemie</i> , 2017 , 129, 14295-14300	3.6	21
36	Sowing Silver Seeds within Patterned Ditches for Dendrite-Free Lithium Metal Batteries. <i>Advanced Science</i> , 2021 , 8, e2100684	13.6	21
35	Stable Lithium Metal Anode Enabled by 3D Soft Host. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28337-28344	9.5	20
34	A label free exonuclease III-aided fluorescence assay for adenosine triphosphate based on graphene oxide and ligation reaction. <i>New Journal of Chemistry</i> , 2013 , 37, 927	3.6	20
33	Ultrathin Conductive Interlayer with High-Density Antisite Defects for Advanced Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2001201	15.6	19
32	Mesoporous Carbon@Titanium Nitride Hollow Spheres as an Efficient SeS ₂ Host for Advanced Li/SeS ₂ Batteries. <i>Angewandte Chemie</i> , 2017 , 129, 16219-16223	3.6	18
31	Recent Advances in Cathode Materials for Room-Temperature Sodium-Sulfur Batteries. <i>ChemPhysChem</i> , 2019 , 20, 3164-3176	3.2	17
30	Composite Lithium Metal Anodes with Lithiophilic and Low-Tortuosity Scaffold Enabling Ultrahigh Currents and Capacities in Carbonate Electrolytes. <i>Advanced Functional Materials</i> , 2021 , 31, 2009961	15.6	15
29	Construct an Ultrathin Bismuth Buffer for Stable Solid-State Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12793-12800	9.5	14
28	Realizing an Applicable "Solid-Solid" Cathode Process via a Transplantable Solid Electrolyte Interface for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29830-29837	9.5	14
27	Air-stable means more: designing air-defendable lithium metals for safe and stable batteries. <i>Materials Horizons</i> , 2020 , 7, 2619-2634	14.4	13
26	A separator modified by high efficiency oxygen plasma for lithium ion batteries with superior performance. <i>RSC Advances</i> , 2015 , 5, 92995-93001	3.7	12
25	Facile one-step vulcanization of copper foil towards stable Li metal anode. <i>Science China Materials</i> , 2020 , 63, 1663-1671	7.1	11
24	Methods and Cost Estimation for the Synthesis of Nanosized Lithium Sulfide. <i>Small Structures</i> , 2021 , 2, 2000059	8.7	11
23	Recent progress of asymmetric solid-state electrolytes for lithium/sodium-metal batteries. <i>EnergyChem</i> , 2021 , 3, 100058	36.9	10
22	Comparative transcriptome analysis reveals significant metabolic alterations in eri-silkworm (<i>Samia cynthia ricini</i>) haemolymph in response to 1-deoxynojirimycin. <i>PLoS ONE</i> , 2018 , 13, e0191080	3.7	9

21	Molecular Characterization and Functional Analysis of a Ferritin Heavy Chain Subunit from the Eri-Silkworm, <i>Samia cynthia ricini</i> . <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	9
20	Novel double-cathode configuration to improve the cycling stability of lithium-sulfur battery. <i>RSC Advances</i> , 2015 , 5, 14196-14201	3.7	9
19	Molecular characterisation of Apolipoprotein-III gene in <i>Samia cynthia ricini</i> and its roles in response to bacterial infection. <i>Journal of Invertebrate Pathology</i> , 2018 , 159, 61-70	2.6	8
18	Porous ZnO/CoO/N-doped carbon nanocages synthesized via pyrolysis of complex metal-organic framework (MOF) hybrids as an advanced lithium-ion battery anode. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019 , 75, 969-978	0.8	6
17	Constructing Stable Anodic Interphase for Quasi-Solid-State Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39335-39341	9.5	6
16	Molecular Characterization of Two Mitogen-Activated Protein Kinases: p38 MAP Kinase and Ribosomal S6 Kinase From <i>Bombyx mori</i> (Lepidoptera: Bombycidae), and Insight Into Their Roles in Response to BmNPV Infection. <i>Journal of Insect Science</i> , 2019 , 19,	2	6
15	In situ protection of a sulfur cathode and a lithium anode via adopting a fluorinated electrolyte for stable lithium-sulfur batteries. <i>Science China Materials</i> , 2021 , 64, 2127-2138	7.1	5
14	Improving Na/Na Zr Si PO Interface via SnO /Sn Film for High-Performance Solid-State Sodium Metal Batteries.. <i>Small Methods</i> , 2021 , 5, e2100339	12.8	4
13	Highly Reversible and Anticorrosive Zn Anode Enabled by a Ag Nanowires Layer.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	3
12	Reactivating Dead Li by Shuttle Effect for High-Performance Anode-Free Li Metal Batteries. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 120535	3.9	3
11	Stable Room-Temperature Sodium-Sulfur Batteries in Ether-Based Electrolytes Enabled by the Fluoroethylene Carbonate Additive.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	2
10	Insight into the Fading Mechanism of the Solid-Conversion Sulfur Cathodes and Designing Long Cycle Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2102774	21.8	2
9	Lithium-Metal Batteries: Polycationic Polymer Layer for Air-Stable and Dendrite-Free Li Metal Anodes in Carbonate Electrolytes (Adv. Mater. 12/2021). <i>Advanced Materials</i> , 2021 , 33, 2170087	24	2
8	Solid/Quasi-Solid Phase Conversion of Sulfur in Lithium-Sulfur Battery.. <i>Small</i> , 2022 , e2106970	11	2
7	In Situ Constructing Coordination Compounds Interphase to Stabilize Zn Metal Anode for High-Performance Aqueous Zn-SeS Batteries.. <i>Small</i> , 2022 , e2200567	11	2
6	Low-cost fumed silicon dioxide uniform Li ⁺ flux for lean-electrolyte and anode-free Li/S battery. <i>Energy Storage Materials</i> , 2022 , 48, 366-374	19.4	2
5	Enabling Selenium-Rich Se ₂ S ₃ Cathodes to Work in Carbonate-Based Electrolytes. <i>Advanced Energy Materials</i> , 2022 , 12, 2102832	21.8	1
4	An oxygen vacancy-rich ZnO layer on garnet electrolyte enables dendrite-free solid state lithium metal batteries. <i>Chemical Engineering Journal</i> , 2021 , 433, 133665	14.7	1

3 All-solid-state batteries **2022**, 343-361

2 Ultrathin Conductive Interlayers: Ultrathin Conductive Interlayer with High-Density Antisite Defects for Advanced Lithium-Sulfur Batteries (Adv. Funct. Mater. 2/2021). *Advanced Functional Materials*, **2021**, 31, 2170012 15.6

1 Porous carbon-sulfur composite cathodes **2022**, 207-224