Wei Lv

List of Publications by Year
in descending order

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		8181	9103
230	22,820	76	144
papers	citations	h-index	g-index

235	235	235	19773
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	<scp>Lithiumâ€Sulfur</scp> Batteries at Extreme Temperatures: Challenges, Strategies and Prospects. Energy and Environmental Materials, 2023, 6, .	12.8	5
2	Regulating the Li2S deposition by grain boundaries in metal nitrides for stable lithium-sulfur batteries. Nano Energy, 2022, 91, 106669.	16.0	49
3	High-density three-dimensional graphene cathode with a tailored pore structure for high volumetric capacity zinc-ion storage. Carbon, 2022, 186, 624-631.	10.3	15
4	Wide-temperature rechargeable Li metal batteries enabled by an in-situ fabricated composite gel electrolyte with a hierarchical structure. Fundamental Research, 2022, 2, 611-618.	3.3	3
5	A gradient topology host for a dendrite-free lithium metal anode. Nano Energy, 2022, 94, 106937.	16.0	41
6	Freestanding and Sandwich MXene-Based Cathode with Suppressed Lithium Polysulfides Shuttle for Flexible Lithiumâ€“Sulfur Batteries. Nano Letters, 2022, 22, 1207-1216.	9.1	49
7	Revisiting the Roles of Natural Graphite in Ongoing Lithiumâ€Ion Batteries. Advanced Materials, 2022, 34, e2106704.	21.0	99
8	Constructing a highly efficient â€œsolidâ€“polymerâ€“solidâ€•elastic ion transport network in cathodes activates the room temperature performance of all-solid-state lithium batteries. Energy and Environmental Science, 2022, 15, 1503-1511.	30.8	36
9	Diglyme-based electrolytes boosting high-rate and stable sodium-ion storage for three-dimensional VS4/Reduced graphene oxide hybrid anodes. Journal of Power Sources, 2022, 526, 231098.	7.8	11
10	Aligned Macroporous Monoliths by Ice-Templating. Bulletin of the Chemical Society of Japan, 2022, 95, 611-620.	3.2	16
11	How Is Cycle Life of Three-Dimensional Zinc Metal Anodes with Carbon Fiber Backbones Affected by Depth of Discharge and Current Density in Zincâ€“Ion Batteries?. ACS Applied Materials & Interfaces, 2022, 14, 12323-12330.	8.0	27
12	A Highly Efficient Ion and Electron Conductive Interlayer To Achieve Low Self-Discharge of Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2022, 14, 1783-1790.	8.0	13
13	Sieving carbons promise practical anodes with extensible low-potential plateaus for sodium batteries. National Science Review, 2022, 9, .	9.5	55
14	The Catalyst Design for Lithiumâ€Sulfur Batteries: Roles and Routes. Chemical Record, 2022, 22, .	5.8	12
15	Catalytic effect in Li-S batteries: From band theory to practical application. Materials Today, 2022, 57, 84-120.	14.2	69
16	Practical Graphene Technologies for Electrochemical Energy Storage. Advanced Functional Materials, 2022, 32, .	14.9	32
17	pHâ€Dependent Morphology Control of Cellulose Nanofiber/Graphene Oxide Cryogels. Small, 2021, 17, e2005564.	10.0	20
18	A multifunctional artificial protective layer for producing an ultra-stable lithium metal anode in a commercial carbonate electrolyte. Journal of Materials Chemistry A, 2021, 9, 7667-7674.	10.3	31

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19	1000 Wh Lâ^'1 lithium-ion batteries enabled by crosslink-shrunk tough carbon encapsulated silicon microparticle anodes. National Science Review, 2021, 8, nwab012.	9.5	60
20	A Passionfruitâ€Like Carbonâ€Confined Cu₂ZnSnS₄ Anode for Ultralongâ€Life Sodium Storage. Advanced Energy Materials, 2021, 11, 2100082.	19.5	49
21	Nitrate Additives Coordinated with Crown Ether Stabilize Lithium Metal Anodes in Carbonate Electrolyte. Advanced Functional Materials, 2021, 31, 2102128.	14.9	56
22	Cobalt-Doping of Molybdenum Disulfide for Enhanced Catalytic Polysulfide Conversion in Lithiumâ€“Sulfur Batteries. ACS Nano, 2021, 15, 7491-7499.	14.6	136
23	Lamellar MXene Composite Aerogels with Sandwiched Carbon Nanotubes Enable Stable Lithiumâ€“Sulfur Batteries with a High Sulfur Loading. Advanced Functional Materials, 2021, 31, 2100793.	14.9	95
24	Regulating the Stable Lithium and Polysulfide Deposition in Batteries by a Gold Nanoparticle Modified Vertical Graphene Host. Advanced Energy and Sustainability Research, 2021, 2, 2100044.	5.8	4
25	Confined growth of Fe2O3 nanoparticles by holey graphene for enhanced sodium-ion storage. Carbon, 2021, 176, 31-38.	10.3	16
26	Coordinated Adsorption and Catalytic Conversion of Polysulfides Enabled by Perovskite Bimetallic Hydroxide Nanocages for Lithiumâ€Sulfur Batteries. Small, 2021, 17, e2101538.	10.0	21
27	Rich Heterointerfaces Enabling Rapid Polysulfides Conversion and Regulated Li₂S Deposition for High-Performance Lithiumâ€“Sulfur Batteries. ACS Nano, 2021, 15, 11491-11500.	14.6	99
28	Crowning Metal Ions by Supramolecularization as a General Remedy toward a Dendriteâ€Free Alkaliâ€Metal Battery. Advanced Materials, 2021, 33, e2101745.	21.0	32
29	Photocatalytic degradation of ranitidine and reduction of nitrosamine dimethylamine formation potential over MXeneâ€“Ti3C2/MoS2 under visible light irradiation. Journal of Hazardous Materials, 2021, 413, 125424.	12.4	76
30	Selective Catalysis Remedies Polysulfide Shuttling in Lithiumâ€Sulfur Batteries. Advanced Materials, 2021, 33, e2101006.	21.0	229
31	Ultrafast presodiation of graphene anodes for highâ€efficiency and highâ€rate s<scp>odiumâ€ion</scp> storage. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 1445-1454.	17.3	40
32	Constructing a Reinforced and Gradient Solid Electrolyte Interphase on Si Nanoparticles by Inâ€Situ Thiolâ€Ene Click Reaction for Long Cycling Lithiumâ€Ion Batteries. Small, 2021, 17, e2102316.	10.0	24
33	Engineering dâ€p Orbital Hybridization in Singleâ€Atom Metalâ€Embedded Threeâ€Dimensional Electrodes for Liâ€“S Batteries. Advanced Materials, 2021, 33, e2105947.	21.0	209
34	A (110) Facet-Dominated Vanadium Dioxide Enabling Bidirectional Electrocatalysis for Lithiumâ€“Sulfur Batteries. ACS Nano, 2021, 15, 16878-16886.	14.6	29
35	High-performance lithiumâ€“sulfur batteries enabled by regulating Li₂S deposition. Physical Chemistry Chemical Physics, 2021, 23, 21385-21398.	2.8	12
36	A Protective Layer for Lithium Metal Anode: Why and How. Small Methods, 2021, 5, e2001035.	8.6	55

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37	Reconfiguring confined magnetic colloids with tunable fluid transport behavior. National Science Review, 2021, 8, nwaa301.	9.5	25
38	Deeply Cyclable and Ultrahighâ€Rate Lithium Metal Anodes Enabled by Coaxial Nanochamber Heterojunction on Carbon Nanofibers. Advanced Science, 2021, 8, e2101940.	11.2	14
39	Electron and Ion Coâ€Conductive Catalyst Achieving Instant Transformation of Lithium Polysulfide towards Li₂S. Advanced Materials, 2021, 33, e2105362.	21.0	36
40	Dendrite-Free Non-Newtonian Semisolid Lithium Metal Anode. ACS Energy Letters, 2021, 6, 3761-3768.	17.4	19
41	A Functionalized Carbon Surface for Highâ€Performance Sodiumâ€Ion Storage. Small, 2020, 16, e1902603.	10.0	51
42	Efficient polysulfide blocker from conductive niobium nitride@graphene for Li-S batteries. Journal of Energy Chemistry, 2020, 45, 135-141.	12.9	69
43	ZnS spheres wrapped by an ultrathin wrinkled carbon film as a multifunctional interlayer for long-life Liâ€“S batteries. Journal of Materials Chemistry A, 2020, 8, 231-241.	10.3	83
44	Dense organic molecules/graphene network anodes with superior volumetric and areal performance for asymmetric supercapacitors. Journal of Materials Chemistry A, 2020, 8, 461-469.	10.3	30
45	Constructing a Highâ€Strength Solid Electrolyte Layer by In Vivo Alloying with Aluminum for an Ultrahighâ€Rate Lithium Metal Anode. Advanced Functional Materials, 2020, 30, 1907343.	14.9	83
46	Unsaturated Single Atoms on Monolayer Transition Metal Dichalcogenides for Ultrafast Hydrogen Evolution. ACS Nano, 2020, 14, 767-776.	14.6	106
47	Capillary shrinkage of graphene oxide hydrogels. Science China Materials, 2020, 63, 1870-1877.	6.3	41
48	In-situ topochemical nitridation derivative MoO2â€“Mo2N binary nanobelts as multifunctional interlayer for fast-kinetic Li-Sulfur batteries. Nano Energy, 2020, 68, 104356.	16.0	116
49	Intercalation-Induced Conversion Reactions Give High-Capacity Potassium Storage. ACS Nano, 2020, 14, 14026-14035.	14.6	42
50	An organic nickel salt-based electrolyte additive boosts homogeneous catalysis for lithium-sulfur batteries. Energy Storage Materials, 2020, 33, 290-297.	18.0	69
51	Status and prospects of porous graphene networks for lithiumâ€“sulfur batteries. Materials Horizons, 2020, 7, 2487-2518.	12.2	63
52	High-performance graphene/disodium terephthalate electrodes with ether electrolyte for exceptional cooperative sodiation/desodiation. Nano Energy, 2020, 77, 105203.	16.0	16
53	Highly stretchable and reliable graphene oxide-reinforced liquid gating membranes for tunable gas/liquid transport. Microsystems and Nanoengineering, 2020, 6, 43.	7.0	24
54	An interlayer composed of a porous carbon sheet embedded with TiO₂ nanoparticles for stable and high rate lithiumâ€“sulfur batteries. Nanoscale, 2020, 12, 12308-12316.	5.6	27

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55	Building Magnetoresponsive Composite Elastomers for Bionic Locomotion Applications. Journal of Bionic Engineering, 2020, 17, 405-420.	5.0	20
56	Bidirectional Catalysts for Liquidâ€“Solid Redox Conversion in Lithiumâ€“Sulfur Batteries. Advanced Materials, 2020, 32, e2000315.	21.0	274
57	Optimized Catalytic WS₂â€“WO₃ Heterostructure Design for Accelerated Polysulfide Conversion in Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2020, 10, 2000091.	19.5	221
58	Progress and Perspective of Ceramic/Polymer Composite Solid Electrolytes for Lithium Batteries. Advanced Science, 2020, 7, 1903088.	11.2	403
59	Metallic Liquid Gating Membranes. ACS Nano, 2020, 14, 2465-2474.	14.6	30
60	A MoS2/Carbon hybrid anode for high-performance Li-ion batteries at low temperature. Nano Energy, 2020, 70, 104550.	16.0	101
61	Layered MXene Protected Lithium Metal Anode as an Efficient Polysulfide Blocker for Lithiumâ€Sulfur Batteries. Batteries and Supercaps, 2020, 3, 892-899.	4.7	22
62	Graphene-Templated Growth of WS₂ Nanoclusters for Catalytic Conversion of Polysulfides in Lithiumâ€“Sulfur Batteries. ACS Applied Energy Materials, 2020, 3, 4923-4930.	5.1	27
63	Vertical Graphenes Grown on a Flexible Graphite Paper as an All-Carbon Current Collector towards Stable Li Deposition. Research, 2020, 2020, 7163948.	5.7	12
64	A lightweight carbon nanofiber-based 3D structured matrix with high nitrogen-doping level for lithium metal anodes. Science China Materials, 2019, 62, 87-94.	6.3	53
65	LiNi0.8Co0.15Al0.05O2 as both a trapper and accelerator of polysulfides for lithium-sulfur batteries. Energy Storage Materials, 2019, 17, 111-117.	18.0	54
66	Precise carbon structure control by salt template for high performance sodium-ion storage. Journal of Energy Chemistry, 2019, 31, 101-106.	12.9	62
67	Wasp nest-imitated assembly of elastic rGO/p-Ti3C2Tx MXene-cellulose nanofibers for high-performance sodium-ion batteries. Carbon, 2019, 153, 625-633.	10.3	47
68	Supercapacitors: Packing Activated Carbons into Dense Graphene Network by Capillarity for High Volumetric Performance Supercapacitors (Adv. Sci. 14/2019). Advanced Science, 2019, 6, 1970086.	11.2	10
69	Interconnected Ultrasmall V₂O₃ and Li₄Ti₅O₁₂ Particles Construct Robust Interfaces for Long-Cycling Anodes of Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 29993-30000.	8.0	12
70	Fast Gelation of Ti₃C₂T_x MXene Initiated by Metal Ions. Advanced Materials, 2019, 31, e1902432.	21.0	389
71	Elevated polysulfide regulation by an ultralight all-CVD-built ReS2@N-Doped graphene heterostructure interlayer for lithiumâ€“sulfur batteries. Nano Energy, 2019, 66, 104190.	16.0	77
72	A Lightweight 3D Cu Nanowire Network with Phosphidation Gradient as Current Collector for Highâ€Density Nucleation and Stable Deposition of Lithium. Advanced Materials, 2019, 31, e1904991.	21.0	114

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73	Theoretical Investigation of the Electrochemical Performance of Transition Metal Nitrides for Lithiumâ€“Sulfur Batteries. Journal of Physical Chemistry C, 2019, 123, 25025-25030.	3.1	35
74	Cross-linked beta alumina nanowires with compact gel polymer electrolyte coating for ultra-stable sodium metal battery. Nature Communications, 2019, 10, 4244.	12.8	219
75	Abundant grain boundaries activate highly efficient lithium ion transportation in high rate Li4Ti5O12 compact microspheres. Journal of Materials Chemistry A, 2019, 7, 1168-1176.	10.3	28
76	Realizing stable lithium deposition by in situ grown Cu₂S nanowires inside commercial Cu foam for lithium metal anodes. Journal of Materials Chemistry A, 2019, 7, 727-732.	10.3	72
77	Multifunctional binder designs for lithium-sulfur batteries. Journal of Energy Chemistry, 2019, 39, 88-100.	12.9	70
78	An air-stable and waterproof lithium metal anode enabled by wax composite packaging. Science Bulletin, 2019, 64, 910-917.	9.0	58
79	Porous carbons derived from carbonization of tissue papers for supercapacitors. Journal of Materials Science: Materials in Electronics, 2019, 30, 11250-11256.	2.2	11
80	Synthesizing multilayer graphene from amorphous activated carbon via ammonia-assisted hydrothermal method. Carbon, 2019, 152, 24-32.	10.3	33
81	Packing Activated Carbons into Dense Graphene Network by Capillarity for High Volumetric Performance Supercapacitors. Advanced Science, 2019, 6, 1802355.	11.2	69
82	Interlayers for lithium-based batteries. Energy Storage Materials, 2019, 23, 112-136.	18.0	37
83	Direct assembly of micron-size porous graphene spheres with a high density as supercapacitor materials. Carbon, 2019, 149, 492-498.	10.3	20
84	Dense yet highly ion permeable graphene electrodes obtained by capillary-drying of a holey graphene oxide assembly. Journal of Materials Chemistry A, 2019, 7, 12691-12697.	10.3	9
85	Reviving catalytic activity of nitrides by the doping of the inert surface layer to promote polysulfide conversion in lithium-sulfur batteries. Nano Energy, 2019, 60, 305-311.	16.0	106
86	Capture and Catalytic Conversion of Polysulfides by In Situ Built TiO₂â€MXene Heterostructures for Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2019, 9, 1900219.	19.5	481
87	Electrode Design from â€œInternalâ€•to â€œExternalâ€•for High Stability Silicon Anodes in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 14142-14149.	8.0	32
88	Size Effects on the Mechanical Properties of Nanoporous Graphene Networks. Advanced Functional Materials, 2019, 29, 1900311.	14.9	20
89	Holey graphenes as the conductive additives for LiFePO4 batteries with an excellent rate performance. Carbon, 2019, 149, 257-262.	10.3	50
90	Seeding lithium seeds towards uniform lithium deposition for stable lithium metal anodes. Nano Energy, 2019, 61, 47-53.	16.0	69

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91	An ion-conducting SnSâ€“SnS₂hybrid coating for commercial activated carbons enabling their use as high performance anodes for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 10761-10768.	10.3	29
92	Necklace-like MoC sulfiphilic sites embedded in interconnected carbon networks for Liâ€“S batteries with high sulfur loading. Journal of Materials Chemistry A, 2019, 7, 11298-11304.	10.3	68
93	A Directional Strain Sensor Based on Anisotropic Microhoneycomb Cellulose Nanofiberâ€Carbon Nanotube Hybrid Aerogels Prepared by Unidirectional Freeze Drying. Small, 2019, 15, e1805363.	10.0	73
94	Evolution of the electrochemical interface in sodium ion batteries with ether electrolytes. Nature Communications, 2019, 10, 725.	12.8	289
95	<scp>l</scp>-Cysteine-Modified Acacia Gum as a Multifunctional Binder for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2019, 11, 47956-47962.	8.0	16
96	Allâ€Solidâ€State Batteries: Low Resistanceâ€“Integrated Allâ€Solidâ€State Battery Achieved by Li₇La₃Zr₂O₁₂ Nanowire Upgrading Polyethylene Oxide (PEO) Composite Electrolyte and PEO Cathode Binder (Adv. Funct. Mater. 1/2019). Advanced Functional Materials, 2019, 29, 1970006.	14.9	12
97	Realizing Ultralow Concentration Gelation of Graphene Oxide with Artificial Interfaces. Advanced Materials, 2019, 31, e1805075.	21.0	16
98	Deactivating Defects in Graphenes with Al₂O₃ Nanoclusters to Produce Longâ€Life and Highâ€Rate Sodiumâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1803078.	19.5	65
99	Fast three-dimensional assembly of MoS2 inspired by the gelation of graphene oxide. Science China Materials, 2019, 62, 745-750.	6.3	10
100	Graphitic Carbon Nitride Induced Microâ€Electric Field for Dendriteâ€Free Lithium Metal Anodes. Advanced Energy Materials, 2019, 9, 1803186.	19.5	147
101	Low Resistanceâ€“Integrated Allâ€Solidâ€State Battery Achieved by Li₇La₃Zr₂O₁₂ Nanowire Upgrading Polyethylene Oxide (PEO) Composite Electrolyte and PEO Cathode Binder. Advanced Functional Materials, 2019, 29, 1805301.	14.9	390
102	Oxygen-enriched carbon nanotubes as a bifunctional catalyst promote the oxygen reduction/evolution reactions in Li-O2 batteries. Carbon, 2019, 141, 561-567.	10.3	45
103	Promoted conversion of polysulfides by MoO2 inlaid ordered mesoporous carbons towards high performance lithium-sulfur batteries. Chinese Chemical Letters, 2019, 30, 521-524.	9.0	31
104	Catalyzing polysulfide conversion by g-C3N4 in a graphene network for long-life lithium-sulfur batteries. Nano Research, 2018, 11, 3480-3489.	10.4	97
105	A Nacreâ€Like Carbon Nanotube Sheet for High Performance Liâ€Polysulfide Batteries with High Sulfur Loading. Advanced Science, 2018, 5, 1800384.	11.2	39
106	Vertically Aligned Lithiophilic CuO Nanosheets on a Cu Collector to Stabilize Lithium Deposition for Lithium Metal Batteries. Advanced Energy Materials, 2018, 8, 1703404.	19.5	274
107	Sodium Ion Capacitors: The Interplay of Oxygen Functional Groups and Folded Texture in Densified Graphene Electrodes for Compact Sodium-Ion Capacitors (Adv. Energy Mater. 11/2018). Advanced Energy Materials, 2018, 8, 1870050.	19.5	0
108	Sulfur-functionalized three-dimensional graphene monoliths as high-performance anodes for ultrafast sodium-ion storage. Chemical Communications, 2018, 54, 4317-4320.	4.1	22

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109	A Li-ion sulfur full cell with ambient resistant Al-Li alloy anode. Energy Storage Materials, 2018, 15, 209-217.	18.0	44
110	Compact 3D Copper with Uniform Porous Structure Derived by Electrochemical Dealloying as Dendriteâ€Free Lithium Metal Anode Current Collector. Advanced Energy Materials, 2018, 8, 1800266.	19.5	336
111	Caging tin oxide in three-dimensional graphene networks for superior volumetric lithium storage. Nature Communications, 2018, 9, 402.	12.8	227
112	The Interplay of Oxygen Functional Groups and Folded Texture in Densified Graphene Electrodes for Compact Sodiumâ€Ion Capacitors. Advanced Energy Materials, 2018, 8, 1702395.	19.5	75
113	Graphene-Directed Formation of a Nitrogen-Doped Porous Carbon Sheet with High Catalytic Performance for the Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2018, 122, 13508-13514.	3.1	16
114	Engineering Graphenes from the Nano- to the Macroscale for Electrochemical Energy Storage. Electrochemical Energy Reviews, 2018, 1, 139-168.	25.5	55
115	Catalytic Effects in Lithiumâ€“Sulfur Batteries: Promoted Sulfur Transformation and Reduced Shuttle Effect. Advanced Science, 2018, 5, 1700270.	11.2	669
116	A Robust Integrated SnO_x/Carbon Composite Anode for Sodiumâ€Ion Batteries. ChemistrySelect, 2018, 3, 10869-10874.	1.5	7
117	Microhoneycomb Monoliths Prepared by the Unidirectional Freeze-drying of Cellulose Nanofiber Based Sols: Method and Extensions. Journal of Visualized Experiments, 2018, , .	0.3	1
118	Ethers Illume Sodiumâ€Based Battery Chemistry: Uniqueness, Surprise, and Challenges. Advanced Energy Materials, 2018, 8, 1801361.	19.5	149
119	High-Level Heteroatom Doped Two-Dimensional Carbon Architectures for Highly Efficient Lithium-Ion Storage. Frontiers in Chemistry, 2018, 6, 97.	3.6	8
120	Easy fabrication of flexible and multilayer nanocarbon-based cathodes with a high unreal sulfur loading by electrostatic spraying for lithium-sulfur batteries. Carbon, 2018, 138, 18-25.	10.3	25
121	Spherical Li Deposited inside 3D Cu Skeleton as Anode with Ultrastable Performance. ACS Applied Materials & Interfaces, 2018, 10, 20244-20249.	8.0	113
122	Room-temperature liquid metal-based anodes for high-energy potassium-based electrochemical devices. Chemical Communications, 2018, 54, 8032-8035.	4.1	47
123	Towards a reliable Li-metal-free LiNO₃-free Li-ion polysulphide full cell via parallel interface engineering. Energy and Environmental Science, 2018, 11, 2509-2520.	30.8	24
124	Functional Carbons Remedy the Shuttling of Polysulfides in Lithiumâ€“Sulfur Batteries: Confining, Trapping, Blocking, and Breaking up. Advanced Functional Materials, 2018, 28, 1800508.	14.9	164
125	A Hollow Spherical Carbon Derived from the Spray Drying of Corncob Lignin for Highâ€Rateâ€Performance Supercapacitors. Chemistry - an Asian Journal, 2017, 12, 503-506.	3.3	29
126	Propelling polysulfides transformation for high-rate and long-life lithiumâ€“sulfur batteries. Nano Energy, 2017, 33, 306-312.	16.0	352

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127	A Threeâ€Layer Allâ€Inâ€One Flexible Graphene Film Used as an Integrated Supercapacitor. Advanced Materials Interfaces, 2017, 4, 1700004.	3.7	30
128	A Dual-Function Na₂SO₄Template Directed Formation of Cathode Materials with a High Content of Sulfur Nanodots for Lithium-Sulfur Batteries. Small, 2017, 13, 1700358.	10.0	26
129	Theoretical Investigation of the Intercalation Chemistry of Lithium/Sodium Ions in Transition Metal Dichalcogenides. Journal of Physical Chemistry C, 2017, 121, 13599-13605.	3.1	87
130	Dense graphene monolith oxygen cathodes for ultrahigh volumetric energy densities. Energy Storage Materials, 2017, 9, 134-139.	18.0	19
131	Achieving superb sodium storage performance on carbon anodes through an ether-derived solid electrolyte interphase. Energy and Environmental Science, 2017, 10, 370-376.	30.8	395
132	A one-step hard-templating method for the preparation of a hierarchical microporous-mesoporous carbon for lithium-sulfur batteries. New Carbon Materials, 2017, 32, 289-296.	6.1	19
133	H2S + SO2 produces water-dispersed sulfur nanoparticles for lithium-sulfur batteries. Nano Energy, 2017, 41, 665-673.	16.0	12
134	A Reduced Graphene Oxide/Disodium Terephthalate Hybrid as a Highâ€Performance Anode for Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2017, 23, 16586-16592.	3.3	12
135	Energy Storage: A Dual-Function Na2 SO4 Template Directed Formation of Cathode Materials with a High Content of Sulfur Nanodots for Lithium-Sulfur Batteries (Small 27/2017). Small, 2017, 13, .	10.0	0
136	Carbon enables the practical use of lithium metal in a battery. Carbon, 2017, 123, 744-755.	10.3	105
137	A high-performance lithium ion oxygen battery consisting of Li2O2 cathode and lithiated aluminum anode with nafion membrane for reduced O2 crossover. Nano Energy, 2017, 40, 258-263.	16.0	35
138	Energy Storage: Disassemblyâ€“Reassembly Approach to RuO₂/Graphene Composites for Ultrahigh Volumetric Capacitance Supercapacitor (Small 30/2017). Small, 2017, 13, .	10.0	0
139	A Stable Crossâ€Linked Binder Network for SnO₂ Anode with Enhanced Sodiumâ€Ion Storage Performance. ChemistrySelect, 2017, 2, 11365-11369.	1.5	12
140	Disassemblyâ€“Reassembly Approach to RuO₂/Graphene Composites for Ultrahigh Volumetric Capacitance Supercapacitor. Small, 2017, 13, 1701026.	10.0	113
141	Twinborn TiO₂â€“TiN heterostructures enabling smooth trappingâ€“diffusionâ€“conversion of polysulfides towards ultralong life lithiumâ€“sulfur batteries. Energy and Environmental Science, 2017, 10, 1694-1703.	30.8	884
142	An in-plane heterostructure of graphene and titanium carbide for efficient polysulfide confinement. Nano Energy, 2017, 39, 291-296.	16.0	142
143	Li-ion and Na-ion transportation and storage properties in various sized TiO₂ spheres with hierarchical pores and high tap density. Journal of Materials Chemistry A, 2017, 5, 4359-4367.	10.3	78
144	Twin-functional graphene oxide: compacting with Fe 2 O 3 into a high volumetric capacity anode for lithium ion battery. Energy Storage Materials, 2017, 6, 98-103.	18.0	74

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145	Research Advances of Carbon-based Anode Materials for Sodium-Ion Batteries. Acta Chimica Sinica, 2017, 75, 163.	1.4	11
146	Prevalence and Occupational and Environmental Risk Factors of Self-Reported Asthma: Evidence from a Cross-Sectional Survey in Seven Chinese Cities. International Journal of Environmental Research and Public Health, 2016, 13, 1084.	2.6	15
147	A Carbonâ€Sulfur Hybrid with Pomegranateâ€like Structure for Lithiumâ€Sulfur Batteries. Chemistry - an Asian Journal, 2016, 11, 1343-1347.	3.3	17
148	Porous graphene oxide-based carbon artefact with high capacity for methylene blue adsorption. Adsorption, 2016, 22, 1043-1050.	3.0	15
149	Transcriptome Analysis Reveals Distinct Gene Expression Profiles in Eosinophilic and Noneosinophilic Chronic Rhinosinusitis with Nasal Polyps. Scientific Reports, 2016, 6, 26604.	3.3	63
150	Occupational and environmental risk factors for chronic rhinosinusitis in China: a multicentre cross-sectional study. Respiratory Research, 2016, 17, 54.	3.6	32
151	How a very trace amount of graphene additive works for constructing an efficient conductive network in LiCoO2-based lithium-ion batteries. Carbon, 2016, 103, 356-362.	10.3	87
152	Dual targeted nanocarrier for brain ischemic stroke treatment. Journal of Controlled Release, 2016, 233, 64-71.	9.9	124
153	Spatial Degrees of Freedom for MIMO Interference Channel with Local Channel State Information at Transmitters. Wireless Personal Communications, 2016, 89, 639-662.	2.7	2
154	Dual-functional hard template directed one-step formation of a hierarchical porous carbonâ€“carbon nanotube hybrid for lithiumâ€“sulfur batteries. Chemical Communications, 2016, 52, 12143-12146.	4.1	63
155	A new Suzuki synthesis of triphenylethylenes that inhibit aromatase and bind to estrogen receptors Î± and Î². Bioorganic and Medicinal Chemistry, 2016, 24, 5400-5409.	3.0	16
156	Electrostatic-spraying an ultrathin, multifunctional and compact coating onto a cathode for a long-life and high-rate lithium-sulfur battery. Nano Energy, 2016, 30, 138-145.	16.0	71
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