Feng Li

List of Publications by Year
in descending order

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266	54,013	2311 98	1152 229
papers	citations	h-index	g-index

284	284	284	38949
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of Catalytic Materials on Conversion of Sulfur Species for Room Temperature Sodiumâ€“Sulfur Battery. Energy and Environmental Materials, 2022, 5, 693-710.	7.3	18
2	Structure-related electrochemical behavior of sulfur-rich polymer cathode with solid-solid conversion in lithium-sulfur batteries. Energy Storage Materials, 2022, 45, 1144-1152.	9.5	30
3	Challenges and development of lithium-ion batteries for low temperature environments. ETransportation, 2022, 11, 100145.	6.8	108
4	An ultrathin and highly efficient interlayer for lithiumâ€“sulfur batteries with high sulfur loading and lean electrolyte. Journal of Materials Chemistry A, 2022, 10, 7653-7659.	5.2	33
5	Revealing the multiple cathodic and anodic involved charge storage mechanism in an FeSe₂ cathode for aluminium-ion batteries by in situ magnetometry. Energy and Environmental Science, 2022, 15, 311-319.	15.6	53
6	Ultrastable Interfacial Contacts Enabling Unimpeded Charge Transfer and Ion Diffusion in Flexible Lithiumâ€ion Batteries. Advanced Science, 2022, 9, e2105419.	5.6	12
7	Recyclable, Selfâ€Healing Solid Polymer Electrolytes by Soy Proteinâ€Based Dynamic Network. Advanced Science, 2022, 9, e2103623.	5.6	37
8	Application and prospects for using carbon materials to modify lithium iron phosphate materials used at low temperatures. New Carbon Materials, 2022, 37, 46-58.	2.9	10
9	A Janus Separator for Inhibiting Shuttle Effect and Lithium Dendrite in Lithiumâ€“Sulfur Batteries. Batteries and Supercaps, 2022, 5, .	2.4	1
10	Stress-assisted design of stiffened graphene electrode structure toward compact energy storage. Journal of Energy Chemistry, 2022, 71, 478-487.	7.1	6
11	A Chlorine-Based Redox Electrochemical Capacitor. ACS Applied Materials & Interfaces, 2022, 14, 24396-24403.	4.0	8
12	An Interlayer Containing Dissociated LiNO₃ with Fast Release Speed for Stable Lithium Metal Batteries with 400ÂWh kg^{â€“1} Energy Density. Small, 2022, 18, .	5.2	14
13	Decoupling of ion pairing and ion conduction in ultrahigh-concentration electrolytes enables wide-temperature solid-state batteries. Energy and Environmental Science, 2022, 15, 3379-3387.	15.6	29
14	In-situ imaging techniques for advanced battery development. Materials Today, 2022, 57, 279-294.	8.3	16
15	Surface Redox Pseudocapacitance Boosting Vanadium Nitride for Highâ€Power and Ultraâ€Stable Potassiumâ€ion Capacitors. Advanced Functional Materials, 2022, 32, .	7.8	15
16	Electronic structure adjustment of lithium sulfide by a single-atom copper catalyst toward high-rate lithium-sulfur batteries. Energy Storage Materials, 2022, 51, 890-899.	9.5	52
17	Single-atom catalysts for metal-sulfur batteries: Current progress and future perspectives. Journal of Energy Chemistry, 2021, 54, 452-466.	7.1	63
18	Insights into the deposition chemistry of Li ions in nonaqueous electrolyte for stable Li anodes. Chemical Society Reviews, 2021, 50, 3178-3210.	18.7	126

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19	Coupling anodic/cathodic energy storage through in situ heterostructure regulation of ordered microporous carbon for sodium-ion hybrid capacitors. Journal of Materials Chemistry A, 2021, 9, 3360-3368.	5.2	15
20	Carbon-coated WS₂ nanosheets supported on carbon nanofibers for high-rate potassium-ion capacitors. Energy and Environmental Science, 2021, 14, 3184-3193.	15.6	100
21	Progress in the Regulation of Electrode/Electrolyte Interfacial Reactions toward Highâ€voltage Aqueous Hybrid Capacitors. Batteries and Supercaps, 2021, 4, 717-732.	2.4	2
22	Renewable biomassâ€derived carbons for electrochemical capacitor applications. SusMat, 2021, 1, 211-240.	7.8	98
23	Tunable Interaction between Metalâ€Organic Frameworks and Electroactive Components in Lithiumâ€“Sulfur Batteries: Status and Perspectives. Advanced Energy Materials, 2021, 11, 2100387.	10.2	84
24	Challenges and Recent Progress on Siliconâ€Based Anode Materials for Nextâ€Generation Lithiumâ€ion Batteries. Small Structures, 2021, 2, 2100009.	6.9	117
25	An in-situ solidification strategy to block polysulfides in Lithium-Sulfur batteries. Energy Storage Materials, 2021, 37, 224-232.	9.5	55
26	Ionâ€Dipole Chemistry Drives Rapid Evolution of Li Ions Solvation Sheath in Lowâ€Temperature Li Batteries. Advanced Energy Materials, 2021, 11, 2100935.	10.2	95
27	Highly elastic wrinkled structures for stable and low volume-expansion lithium-metal anodes. Science China Materials, 2021, 64, 2675-2682.	3.5	7
28	Si/C particles on graphene sheet as stable anode for lithium-ion batteries. Journal of Materials Science and Technology, 2021, 80, 259-265.	5.6	40
29	Double Ionicâ€“Electronic Transfer Interface Layers for Allâ€Solidâ€State Lithium Batteries. Angewandte Chemie, 2021, 133, 18596-18601.	1.6	2
30	Double Ionicâ€“Electronic Transfer Interface Layers for Allâ€Solidâ€State Lithium Batteries. Angewandte Chemie - International Edition, 2021, 60, 18448-18453.	7.2	37
31	Ultrafast Electrochemical Growth of Lithiophilic Nanoâ€Flake Arrays for Stable Lithium Metal Anode. Advanced Functional Materials, 2021, 31, 2103309.	7.8	27
32	Stress release in high-capacity flexible lithium-ion batteries through nested wrinkle texturing of graphene. Journal of Energy Chemistry, 2021, 61, 243-249.	7.1	10
33	Scalable fabrication of vanadium carbide/graphene electrodes for high-energy and flexible microsupercapacitors. Carbon, 2021, 183, 840-849.	5.4	16
34	Efficient polysulfide blocker from conductive niobium nitride@graphene for Li-S batteries. Journal of Energy Chemistry, 2020, 45, 135-141.	7.1	69
35	Binary graphene-based cathode structure for high-performance lithium-sulfur batteries. JPhys Energy, 2020, 2, 015003.	2.3	11
36	Reducing the shuttle effect with the interactions of polar TiN and non-polar graphene for lithiumâ€“sulfur batteries. CrystEngComm, 2020, 22, 1555-1559.	1.3	7

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37	All Two-Dimensional Pseudocapacitive Sheet Materials for Flexible Asymmetric Solid-State Planar Microsupercapacitors with High Energy Density. ACS Nano, 2020, 14, 603-610.	7.3	53
38	Homogeneous and Fast Ion Conduction of PEOâ€Based Solidâ€State Electrolyte at Low Temperature. Advanced Functional Materials, 2020, 30, 2007172.	7.8	246
39	Extra capacity beyond electrochemistry: electrons storage by spin-polarization. Science Bulletin, 2020, 65, 2038-2039.	4.3	3
40	Reliable liquid electrolytes for lithium metal batteries. Energy Storage Materials, 2020, 30, 113-129.	9.5	92
41	Fast lithium ion transport in solid polymer electrolytes from polysulfide-bridged copolymers. Nano Energy, 2020, 75, 104976.	8.2	32
42	An alternative means of advanced energy storage by electrochemical modification. JPhys Energy, 2020, 2, 021006.	2.3	0
43	Structure-related electrochemical performance of organosulfur compounds for lithiumâ€“sulfur batteries. Energy and Environmental Science, 2020, 13, 1076-1095.	15.6	143
44	An Anionâ€Tuned Solid Electrolyte Interphase with Fast Ion Transfer Kinetics for Stable Lithium Anodes. Advanced Energy Materials, 2020, 10, 1903843.	10.2	186
45	Tuning the interlayer spacing of graphene laminate films for efficient pore utilization towards compact capacitive energy storage. Nature Energy, 2020, 5, 160-168.	19.8	381
46	Bi-Cation Electrolyte for a 1.7 V Aqueous Zn Ion Battery. ACS Applied Materials & Interfaces, 2020, 12, 13790-13796.	4.0	78
47	A Nanosheet Array of Cu₂Se Intercalation Compound with Expanded Interlayer Space for Sodium Ion Storage. Advanced Energy Materials, 2020, 10, 2000666.	10.2	67
48	Electrochemical process of sulfur in carbon materials from electrode thickness to interlayer. Journal of Energy Chemistry, 2019, 31, 119-124.	7.1	42
49	The Regulating Role of Carbon Nanotubes and Graphene in Lithiumâ€Ion and Lithiumâ€“Sulfur Batteries. Advanced Materials, 2019, 31, e1800863.	11.1	339
50	Oriented outperforms disorder: Thickness-independent mass transport for lithium-sulfur batteries. Carbon, 2019, 154, 90-97.	5.4	12
51	Tunable In Situ Stress and Spontaneous Microwrinkling of Multiscale Heterostructures. Journal of Physical Chemistry C, 2019, 123, 26041-26046.	1.5	3
52	Factors of Kinetics Processes in Lithiumâ€“Sulfur Reactions. Energy Technology, 2019, 7, 1900574.	1.8	18
53	An alkali metalâ€“selenium battery with a wide temperature range and low self-discharge. Journal of Materials Chemistry A, 2019, 7, 21774-21782.	5.2	38
54	Micro-Macroscopic Coupled Electrode Architecture for High-Energy-Density Lithiumâ€“Sulfur Batteries. ACS Applied Energy Materials, 2019, 2, 7393-7402.	2.5	6

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55	A salt-derived solid electrolyte interphase by electroreduction of water-in-salt electrolyte for uniform lithium deposition. Journal of Power Sources, 2019, 439, 227073.	4.0	17
56	Suppressing lithium dendrite formation by slowing its desolvation kinetics. Chemical Communications, 2019, 55, 13211-13214.	2.2	43
57	Die wiederaufladbare Aluminiumbatterie: MÃ¶glichkeiten und Herausforderungen. Angewandte Chemie, 2019, 131, 12104-12124.	1.6	26
58	The Rechargeable Aluminum Battery: Opportunities and Challenges. Angewandte Chemie - International Edition, 2019, 58, 11978-11996.	7.2	276
59	A Desolvated Solidâ€“Solid Interface for a Highâ€Capacitance Electric Double Layer. Advanced Energy Materials, 2019, 9, 1803715.	10.2	20
60	Smart Materials and Design toward Safe and Durable Lithium Ion Batteries. Small Methods, 2019, 3, 1900323.	4.6	47
61	Confining SnSe nanobelts in 3D rGO aerogel for achieving stable and fast lithium storage. Materials Research Bulletin, 2019, 115, 80-87.	2.7	18
62	Hybridization design of materials and devices for flexible electrochemical energy storage. Energy Storage Materials, 2019, 19, 212-241.	9.5	163
63	Mitigating self-discharge of carbon-based electrochemical capacitors by modifying their electric-double layer to maximize energy efficiency. Journal of Energy Chemistry, 2019, 38, 214-218.	7.1	31
64	Key Aspects of Lithium Metal Anodes for Lithium Metal Batteries. Small, 2019, 15, e1900687.	5.2	253
65	Exploring reaction dynamics in lithiumâ€“sulfur batteries by time-resolved operando sulfur K-edge X-ray absorption spectroscopy. Chemical Communications, 2019, 55, 4993-4996.	2.2	9
66	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.	5.2	68
67	Resorcinol-formaldehyde based carbon aerogel: Preparation, structure and applications in energy storage devices. Microporous and Mesoporous Materials, 2019, 279, 293-315.	2.2	78
68	A highly reversible Co3S4 microsphere cathode material for aluminum-ion batteries. Nano Energy, 2019, 56, 100-108.	8.2	179
69	Effect of Formation Potentials on Gassing of LiMn₂O₄//Li₄Ti₅O₁₂/C Batteries. Journal of the Electrochemical Society, 2019, 166, A5033-A5037.	1.3	7
70	From interlayer to lightweight capping layer: Rational design of mesoporous TiO2 threaded with CNTs for advanced Liâ€“S batteries. Carbon, 2019, 143, 523-530.	5.4	64
71	Exceptional supercapacitor performance from optimized oxidation of graphene-oxide. Energy Storage Materials, 2019, 17, 12-21.	9.5	135
72	Hybrid graphene album with polysulfides adsorption layer for Li-S batteries. Chemical Engineering Science, 2019, 194, 148-155.	1.9	18

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73	Metalâ€“Organic Frameworks (MOFs)â€Derived Nitrogenâ€Doped Porous Carbon Anchored on Graphene with Multifunctional Effects for Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2018, 28, 1707592.	7.8	246
74	A 3D Multifunctional Architecture for Lithiumâ€“Sulfur Batteries with High Areal Capacity. Small Methods, 2018, 2, 1800067.	4.6	33
75	Novel Conductive Metalâ€“Organic Framework for a High-Performance Lithiumâ€“Sulfur Battery Host: 2D Cu-Benzenehexathial (BHT). ACS Applied Materials & Interfaces, 2018, 10, 15012-15020.	4.0	105
76	Heteroatoms dual-doped hierarchical porous carbon-selenium composite for durable Liâ€“Se and Naâ€“Se batteries. Nano Energy, 2018, 49, 137-146.	8.2	158
77	An Aluminumâ€“Sulfur Battery with a Fast Kinetic Response. Angewandte Chemie, 2018, 130, 1916-1920.	1.6	43
78	An Aluminumâ€“Sulfur Battery with a Fast Kinetic Response. Angewandte Chemie - International Edition, 2018, 57, 1898-1902.	7.2	154
79	A Rechargeable Quasi-symmetrical MoS2 Battery. Joule, 2018, 2, 1278-1286.	11.7	33
80	Substitutional Carbonâ€Modified Anatase TiO₂ Decahedral Plates Directly Derived from Titanium Oxalate Crystals via Topotactic Transition. Advanced Materials, 2018, 30, e1705999.	11.1	46
81	Polysulfide immobilization and conversion on a conductive polar MoC@MoOx material for lithium-sulfur batteries. Energy Storage Materials, 2018, 10, 56-61.	9.5	157
82	Boosting solid-state flexible supercapacitors by employing tailored hierarchical carbon electrodes and a high-voltage organic gel electrolyte. Journal of Materials Chemistry A, 2018, 6, 24979-24987.	5.2	39
83	Paragenesis BN/CNTs hybrid as a monoclinic sulfur host for high rate and ultra-long life lithiumâ€“sulfur battery. Journal of Materials Chemistry A, 2018, 6, 24194-24200.	5.2	47
84	Hybrid Solid Polymer Electrolytes with Twoâ€Dimensional Inorganic Nanofillers. Chemistry - A European Journal, 2018, 24, 18180-18203.	1.7	41
85	CuS Microspheres with Tunable Interlayer Space and Micropore as a Highâ€Rate and Longâ€Life Anode for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1800930.	10.2	183
86	Mesoporous TiN microspheres as an efficient polysulfide barrier for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 14359-14366.	5.2	96
87	A low crystallinity oxygen-vacancy-rich Co₃O₄ cathode for high-performance flexible asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 16094-16100.	5.2	182
88	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.	5.4	25
89	Development of Graphene-based Materials for Lithium-Sulfur Batteries. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2018, 34, 377-390.	2.2	26
90	Conductive porous vanadium nitride/graphene composite as chemical anchor of polysulfides for lithium-sulfur batteries. Nature Communications, 2017, 8, 14627.	5.8	912

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91	Charge delivery goes the distance. Science, 2017, 356, 582-583.	6.0	96
92	Cationic two-dimensional sheets for an ultralight electrostatic polysulfide trap toward high-performance lithium-sulfur batteries. Energy Storage Materials, 2017, 9, 39-46.	9.5	37
93	More Reliable Lithiumâ€Sulfur Batteries: Status, Solutions and Prospects. Advanced Materials, 2017, 29, 1606823.	11.1	1,414
94	A Sulfurâ€Rich Copolymer@CNT Hybrid Cathode with Dualâ€Confinement of Polysulfides for Highâ€Performance Lithiumâ€“Sulfur Batteries. Advanced Materials, 2017, 29, 1603835.	11.1	202
95	Single-wall carbon nanotube network enabled ultrahigh sulfur-content electrodes for high-performance lithium-sulfur batteries. Nano Energy, 2017, 42, 205-214.	8.2	183
96	A high tenacity electrode by assembly of a soft sorbent and a hard skeleton for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 22459-22464.	5.2	10
97	Nitrogenâ€Superdoped 3D Graphene Networks for Highâ€Performance Supercapacitors. Advanced Materials, 2017, 29, 1701677.	11.1	230
98	2D Frameworks of C₂N and C₃N as New Anode Materials for Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1702007.	11.1	282
99	Borophene as Efficient Sulfur Hosts for Lithiumâ€“Sulfur Batteries: Suppressing Shuttle Effect and Improving Conductivity. Journal of Physical Chemistry C, 2017, 121, 15549-15555.	1.5	97
100	Free-standing hybrid film of less defective graphene coated with mesoporous TiO ₂ for lithium ion batteries with fast charging/discharging capabilities. 2D Materials, 2017, 4, 015011.	2.0	15
101	Flexible batteries ahead. National Science Review, 2017, 4, 20-23.	4.6	35
102	Two-dimensional layered metal diseleniums and its application in the electrochemical energy. Chinese Science Bulletin, 2017, 62, 3201-3216.	0.4	5
103	Carbon Nanotubes and Graphene for Flexible Electrochemical Energy Storage: from Materials to Devices. Advanced Materials, 2016, 28, 4306-4337.	11.1	595
104	3D V₃O₇·H₂O/Partially Exfoliated Carbon Nanotube Composites with Significantly Improved Lithium Storage Ability. Particle and Particle Systems Characterization, 2016, 33, 531-537.	1.2	15
105	Stabilizing sulfur cathodes using nitrogen-doped graphene as a chemical immobilizer for Li S batteries. Carbon, 2016, 108, 120-126.	5.4	134
106	Scalable Clean Exfoliation of Highâ€Quality Fewâ€Layer Black Phosphorus for a Flexible Lithium Ion Battery. Advanced Materials, 2016, 28, 510-517.	11.1	336
107	Understanding the interactions between lithium polysulfides and N-doped graphene using density functional theory calculations. Nano Energy, 2016, 25, 203-210.	8.2	347
108	Kinetically Enhanced Electrochemical Redox of Polysulfides on Polymeric Carbon Nitrides for Improved Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2016, 8, 25193-25201.	4.0	149

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109	Synthesis and Electrochemical Lithium Storage Behavior of Carbon Nanotubes Filled with Iron Sulfide Nanoparticles. Advanced Science, 2016, 3, 1600113.	5.6	44
110	An integrated electrode/separator with nitrogen and nickel functionalized carbon hybrids for advanced lithium/polysulfide batteries. Carbon, 2016, 109, 719-726.	5.4	55
111	Toward More Reliable Lithiumâ€“Sulfur Batteries: An All-Graphene Cathode Structure. ACS Nano, 2016, 10, 8676-8682.	7.3	246
112	Li₄Ti₅O₁₂on Graphene for High Rate Lithium Ion Batteries. Journal of the Electrochemical Society, 2016, 163, A2951-A2955.	1.3	11
113	Elemental superdoping of graphene and carbon nanotubes. Nature Communications, 2016, 7, 10921.	5.8	238
114	3D Grapheneâ€Foamâ€“Reducedâ€Grapheneâ€Oxide Hybrid Nested Hierarchical Networks for Highâ€Performance Liâ€“S Batteries. Advanced Materials, 2016, 28, 1603-1609.	11.1	497
115	3D Interconnected Electrode Materials with Ultrahigh Areal Sulfur Loading for Liâ€“S Batteries. Advanced Materials, 2016, 28, 3374-3382.	11.1	488
116	Armoring Graphene Cathodes for Highâ€Rate and Longâ€Life Lithium Ion Supercapacitors. Advanced Energy Materials, 2016, 6, 1502064.	10.2	83
117	Electrochemical stability of graphene cathode for highâ€voltage lithium ion capacitors. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 407-414.	0.8	3
118	High Reversible Lithium Storage Capacity and Structural Changes of Fe₂O₃ Nanoparticles Confined inside Carbon Nanotubes. Advanced Energy Materials, 2016, 6, 1501755.	10.2	109
119	The smart era of electrochemical energy storage devices. Energy Storage Materials, 2016, 3, 66-68.	9.5	33
120	A trilayer separator with dual function for high performance lithiumâ€“sulfur batteries. Journal of Power Sources, 2016, 301, 179-186.	4.0	117
121	Carbon materials for Liâ€“S batteries: Functional evolution and performance improvement. Energy Storage Materials, 2016, 2, 76-106.	9.5	504
122	Graphene-based integrated electrodes for flexible lithium ion batteries. 2D Materials, 2015, 2, 024004.	2.0	44
123	Visible-light photodetector with enhanced performance based on a ZnO@CdS heterostructure. Journal of Materials Chemistry C, 2015, 3, 2231-2236.	2.7	43
124	Dispersible percolating carbon nano-electrodes for improvement of polysulfide utilization in Liâ€“S batteries. Carbon, 2015, 93, 161-168.	5.4	20
125	Localized polyselenides in a graphene-coated polymer separator for high rate and ultralong life lithiumâ€“selenium batteries. Chemical Communications, 2015, 51, 3667-3670.	2.2	63
126	Open-pore LiFePO4/C microspheres with high volumetric energy density for lithium ion batteries. Particuology, 2015, 22, 24-29.	2.0	23

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127	A high-density grapheneâ€“sulfur assembly: a promising cathode for compact Liâ€“S batteries. Nanoscale, 2015, 7, 5592-5597.	2.8	92
128	In suit growth of ultradispersed NiCo2S4 nanoparticles on graphene for asymmetric supercapacitors. Electrochimica Acta, 2015, 176, 44-50.	2.6	103
129	Lithiation of Silicon Nanoparticles Confined in Carbon Nanotubes. ACS Nano, 2015, 9, 5063-5071.	7.3	105
130	Graphene for flexible lithium-ion batteries: Applications and prospects. Chinese Science Bulletin, 2015, 60, 630-644.	0.4	4
131	Carbon nanotubes/activated carbon hybrid with ultrahigh surface area for electrochemical capacitors. Electrochimica Acta, 2015, 168, 25-31.	2.6	35
132	Metal/Oxide Interface Nanostructures Generated by Surface Segregation for Electrocatalysis. Nano Letters, 2015, 15, 7704-7710.	4.5	233
133	Ultrasonication-assisted ultrafast preparation of multiwalled carbon nanotubes/Au/Co3O4 tubular hybrids as superior anode materials for oxygen evolution reaction. Journal of Power Sources, 2015, 300, 285-293.	4.0	65
134	A smart self-regenerative lithium ion supercapacitor with a real-time safety monitor. Energy Storage Materials, 2015, 1, 146-151.	9.5	28
135	Dual Functions of Carbon in Li₄Ti₅O₁₂/C Microspheres. Journal of the Electrochemical Society, 2015, 162, A3038-A3044.	1.3	28
136	A graphene foam electrode with high sulfur loading for flexible and high energy Li-S batteries. Nano Energy, 2015, 11, 356-365.	8.2	526
137	A Flexible Sulfurâ€Grapheneâ€Polypropylene Separator Integrated Electrode for Advanced Liâ€“S Batteries. Advanced Materials, 2015, 27, 641-647.	11.1	545
138	Lithium Storage Characteristics and Possible Applications of Graphene Materials. Acta Chimica Sinica, 2014, 72, 333.	0.5	9
139	Progress in flexible lithium batteries and future prospects. Energy and Environmental Science, 2014, 7, 1307-1338.	15.6	1,312
140	One-pot synthesis of MnOOH nanorods on graphene for asymmetric supercapacitors. Electrochimica Acta, 2014, 127, 200-207.	2.6	70
141	Hierarchical Grapheneâ€“Carbon Fiber Composite Paper as a Flexible Lateral Heat Spreader. Advanced Functional Materials, 2014, 24, 4222-4228.	7.8	178
142	A Grapheneâ€“Pureâ€Sulfur Sandwich Structure for Ultrafast, Longâ€Life Lithiumâ€“Sulfur Batteries. Advanced Materials, 2014, 26, 625-631.	11.1	908
143	Monolithic Fe2O3/graphene hybrid for highly efficient lithium storage and arsenic removal. Carbon, 2014, 67, 500-507.	5.4	137
144	Structural Changes in Iron Oxide and Gold Catalysts during Nucleation of Carbon Nanotubes Studied by In Situ Transmission Electron Microscopy. ACS Nano, 2014, 8, 292-301.	7.3	52

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145	Tailoring Microstructure of Grapheneâ€Based Membrane by Controlled Removal of Trapped Water Inspired by the Phase Diagram. Advanced Functional Materials, 2014, 24, 3456-3463.	7.8	67
146	Visualizing the roles of graphene for excellent lithium storage. Journal of Materials Chemistry A, 2014, 2, 17808-17814.	5.2	48
147	Tin quantum dots embedded in nitrogen-doped carbon nanofibers as excellent anode for lithium-ion batteries. Nano Energy, 2014, 9, 61-70.	8.2	127
148	An aqueous dissolved polysulfide cathode for lithiumâ€“sulfur batteries. Energy and Environmental Science, 2014, 7, 3307-3312.	15.6	131
149	Catalytic applications of layered double hydroxides: recent advances and perspectives. Chemical Society Reviews, 2014, 43, 7040-7066.	18.7	1,381
150	Facile synthesis and enhanced catalytic performance of graphene-supported Ni nanocatalyst from a layered double hydroxide-based composite precursor. Journal of Materials Chemistry A, 2014, 2, 7880.	5.2	96
151	Carbon nanotube-modified LiFePO4 for high rate lithium ion batteries. New Carbon Materials, 2014, 29, 287-294.	2.9	32
152	The dependence of SO3 dissociation on the diameter of single-wall carbon nanotubes based on first-principles calculations. Chemical Physics Letters, 2014, 608, 1-5.	1.2	4
153	Co3O4 mesoporous nanostructures@graphene membrane as an integrated anode for long-life lithium-ion batteries. Journal of Power Sources, 2014, 255, 52-58.	4.0	98
154	TiO2/graphene sandwich paper as an anisotropic electrode for high rate lithium ion batteries. Nanoscale, 2013, 5, 7780.	2.8	63
155	The examination of graphene oxide for rechargeable lithium storage as a novel cathode material. Journal of Materials Chemistry A, 2013, 1, 3607.	5.2	73
156	Effects of oxygen vacancies on the electrochemical performance of tin oxide. Journal of Materials Chemistry A, 2013, 1, 1536-1539.	5.2	125
157	Nanosize SnO2 confined in the porous shells of carbon cages for kinetically efficient and long-term lithium storage. Nanoscale, 2013, 5, 1576.	2.8	70
158	Controlled Electrochemical Charge Injection to Maximize the Energy Density of Supercapacitors. Angewandte Chemie - International Edition, 2013, 52, 3722-3725.	7.2	160
159	Octahedral Co3O4 particles threaded by carbon nanotube arrays as integrated structure anodes for lithium ion batteries. Physical Chemistry Chemical Physics, 2013, 15, 5582.	1.3	49
160	A Selfâ€Standing and Flexible Electrode of Li₄Ti₅O₁₂ Nanosheets with a Nâ€Doped Carbon Coating for High Rate Lithium Ion Batteries. Advanced Functional Materials, 2013, 23, 5429-5435.	7.8	128
161	High-rate lithium storage of anatase TiO2 crystals doped with both nitrogen and sulfur. Chemical Communications, 2013, 49, 3461.	2.2	84
162	Carbonâ€“sulfur composites for Liâ€“S batteries: status and prospects. Journal of Materials Chemistry A, 2013, 1, 9382.	5.2	757

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163	Fibrous Hybrid of Graphene and Sulfur Nanocrystals for High-Performance Lithiumâ€“Sulfur Batteries. ACS Nano, 2013, 7, 5367-5375.	7.3	722
164	A microporousâ€“mesoporous carbon with graphitic structure for a high-rate stable sulfur cathode in carbonate solvent-based Liâ€“S batteries. Physical Chemistry Chemical Physics, 2012, 14, 8703.	1.3	273
165	Plum-like and octahedral Co3O4 single crystals on and around carbon nanotubes: large scale synthesis and formation mechanism. RSC Advances, 2012, 2, 3496.	1.7	23
166	A nanosized Fe2O3 decorated single-walled carbon nanotube membrane as a high-performance flexible anode for lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 17942.	6.7	153
167	Flexible graphene-based lithium ion batteries with ultrafast charge and discharge rates. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17360-17365.	3.3	728
168	Graphene/metal oxide composite electrode materials for energy storage. Nano Energy, 2012, 1, 107-131.	8.2	1,669
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