

# Sen Xin

## List of Publications by Year in descending order

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157  
papers

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#	ARTICLE	IF	CITATIONS
1	Designing $\pi$ -conjugated polypyrene nanoflowers formed with meso- and microporous nanosheets for high-performance anode of potassium ion batteries. <i>Chemical Engineering Journal</i> , 2022, 430, 132704.	6.6	19
2	Insights into the nitride-regulated processes at the electrolyte/electrode interface in quasi-solid-state lithium metal batteries. <i>Journal of Energy Chemistry</i> , 2022, 67, 780-786.	7.1	11
3	Unraveling the Synergistic Coupling Mechanism of $\text{Li}^{+}$ Transport in an $\text{e}^{-}$ -ionogel/Ceramic Hybrid Solid Electrolyte for Rechargeable Lithium Metal Battery. <i>Advanced Functional Materials</i> , 2022, 32, 2108706.	7.8	38
4	A Universal Strategy toward Air-Stable and High-Rate $\text{O}_3$ Layered Oxide Cathodes for $\text{Na}^{+}$ Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	77
5	Competitive Doping Chemistry for Nickel-Rich Layered Oxide Cathode Materials. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	55
6	Competitive Doping Chemistry for Nickel-Rich Layered Oxide Cathode Materials. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
7	Prussian-blue materials: Revealing new opportunities for rechargeable batteries. <i>Informa-Materially</i> , 2022, 4, .	8.5	73
8	Hydrogen Isotope Effects on Aqueous Electrolyte for Electrochemical Lithium Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	13
9	Boron-doped three-dimensional MXene host for durable lithium-metal anode. <i>Rare Metals</i> , 2022, 41, 2217-2222.	3.6	16
10	$\text{O}_3$ -Type $\text{Na}_{2/3}\text{Ni}_{1/3}\text{Ti}_{2/3}\text{O}_2$ Layered Oxide as a Stable and High-Rate Anode Material for Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 677-683.	4.0	6
11	Interfacial Evolution of the Solid Electrolyte Interphase and Lithium Deposition in Graphdiyne-Based Lithium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2022, 144, 9354-9362.	6.6	30
12	Layered Oxide Cathode-Electrolyte Interface towards $\text{Na}^{+}$ Ion Batteries: Advances and Perspectives. <i>Chemistry - an Asian Journal</i> , 2022, 17, e202200213.	1.7	7
13	Fullerene-Derivative $\text{C}_{60}$ -(OLi) $_n$ Modified Separators toward Stable Wide-Temperature Lithium Metal Batteries. <i>Chemical Engineering Journal</i> , 2022, 446, 137207.	6.6	9
14	Air-stability of sodium-based layered-oxide cathode materials. <i>Science China Chemistry</i> , 2022, 65, 1076-1087.	4.2	46
15	A N-Rich porous carbon nanocube anchored with Co/Fe dual atoms: an efficient bifunctional catalytic host for $\text{Li}^{+}$ S batteries. <i>Materials Chemistry Frontiers</i> , 2022, 6, 2095-2102.	3.2	11
16	Materials Design for High-Safety Sodium Ion Battery. <i>Advanced Energy Materials</i> , 2021, 11, 2000974.	10.2	282
17	Solidifying Cathode-Electrolyte Interface for Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2000791.	10.2	75
18	Insights into the pre-oxidation process of phenolic resin-based hard carbon for sodium storage. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3911-3917.	3.2	19

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19	Surface Reconstruction-Associated Partially Amorphized Bismuth Oxychloride for Boosted Photocatalytic Water Oxidation. ACS Applied Materials & Interfaces, 2021, 13, 5088-5098.	4.0	18
20	Constructing a stable interface between the sulfide electrolyte and the Li metal anode via a Li <sup>+</sup> -conductive gel polymer interlayer. Materials Chemistry Frontiers, 2021, 5, 5328-5335.	3.2	12
21	Highly Selective Synthesis of Monolayer or Bilayer WSe <sub>2</sub> Single Crystals by Pre-annealing the Solid Precursor. Chemistry of Materials, 2021, 33, 1307-1313.	3.2	20
22	The 2021 battery technology roadmap. Journal Physics D: Applied Physics, 2021, 54, 183001.	1.3	158
23	Stabilizing the Electrochemistry of Lithium-Selenium Battery via In situ Gelated Polymer Electrolyte: A Look from Anode. Chemical Research in Chinese Universities, 2021, 37, 298-303.	1.3	8
24	Advances of polymer binders for silicon-based anodes in high energy density lithium-ion batteries. Information Materials, 2021, 3, 460-501.	8.5	163
25	Two-Dimensional Boron and Nitrogen Dual-Doped Graphitic Carbon as an Efficient Metal-Free Cathodic Electrocatalyst for Lithium-Air Batteries. ChemElectroChem, 2021, 8, 949-956.	1.7	5
26	Bridging Interparticle Li <sup>+</sup> Conduction in a Soft Ceramic Oxide Electrolyte. Journal of the American Chemical Society, 2021, 143, 5717-5726.	6.6	144
27	Revealing the Superiority of Fast Ion Conductor in Composite Electrolyte for Dendrite-Free Lithium-Metal Batteries. ACS Applied Materials & Interfaces, 2021, 13, 22978-22986.	4.0	18
28	Formulating the Electrolyte Towards High-Energy and Safe Rechargeable Lithium-Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 16554-16560.	7.2	80
29	Formulating the Electrolyte Towards High-Energy and Safe Rechargeable Lithium-Metal Batteries. Angewandte Chemie, 2021, 133, 16690-16696.	1.6	12
30	In-situ encapsulating flame-retardant phosphate into robust polymer matrix for safe and stable quasi-solid-state lithium metal batteries. Energy Storage Materials, 2021, 39, 186-193.	9.5	98
31	Advanced Electrolytes Enabling Safe and Stable Rechargeable Li-Metal Batteries: Progress and Prospects. Advanced Functional Materials, 2021, 31, 2105253.	7.8	102
32	Mo <sub>2</sub> C Electrocatalysts for Kinetically Boosting Polysulfide Conversion in Quasi-Solid-State Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 45651-45660.	4.0	7
33	Boron-doped sodium layered oxide for reversible oxygen redox reaction in Na-ion battery cathodes. Nature Communications, 2021, 12, 5267.	5.8	122
34	Co <sub>3</sub> O <sub>4</sub> modified Ag/g-C <sub>3</sub> N <sub>4</sub> composite as a bifunctional cathode for lithium-oxygen battery. Journal of Energy Chemistry, 2020, 41, 185-193.	7.1	48
35	Stabilizing Polymer-Lithium Interface in a Rechargeable Solid Battery. Advanced Functional Materials, 2020, 30, 1908047.	7.8	59
36	A 3D Lithium/Carbon Fiber Anode with Sustained Electrolyte Contact for Solid-State Batteries. Advanced Energy Materials, 2020, 10, 1903325.	10.2	61

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37	Black phosphorus composites with engineered interfaces for high-rate high-capacity lithium storage. <i>Science</i> , 2020, 370, 192-197.	6.0	336
38	Recent progress and design principles of nanocomposite solid electrolytes. <i>Current Opinion in Electrochemistry</i> , 2020, 22, 195-202.	2.5	9
39	A facile strategy to reconcile 3D anodes and ceramic electrolytes for stable solid-state Li metal batteries. <i>Energy Storage Materials</i> , 2020, 32, 458-464.	9.5	35
40	Chalcogen cathode and its conversion electrochemistry in rechargeable Li/Na batteries. <i>Science China Chemistry</i> , 2020, 63, 1402-1415.	4.2	48
41	A Rational Reconfiguration of Electrolyte for High-Energy and Long-Life Lithium-Chalcogen Batteries. <i>Advanced Materials</i> , 2020, 32, e2000302.	11.1	88
42	Building an Air Stable and Lithium Deposition Regulable Garnet Interface from Moderate-Temperature Conversion Chemistry. <i>Angewandte Chemie</i> , 2020, 132, 12167-12173.	1.6	30
43	High-Efficiency Cathode Sodium Compensation for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e2001419.	11.1	106
44	Enabling a Durable Electrochemical Interface via an Artificial Amorphous Cathode Electrolyte Interphase for Hybrid Solid/Liquid Lithium-Metal Batteries. <i>Angewandte Chemie</i> , 2020, 132, 6647-6651.	1.6	26
45	Building an Air Stable and Lithium Deposition Regulable Garnet Interface from Moderate-Temperature Conversion Chemistry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12069-12075.	7.2	128
46	Enabling a Durable Electrochemical Interface via an Artificial Amorphous Cathode Electrolyte Interphase for Hybrid Solid/Liquid Lithium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6585-6589.	7.2	84
47	An integral interface with dynamically stable evolution on micron-sized SiO <sub>x</sub> particle anode. <i>Nano Energy</i> , 2020, 74, 104890.	8.2	84
48	Exceptional oxygen evolution reactivities on CaCoO <sub>3</sub> and SrCoO <sub>3</sub> . <i>Science Advances</i> , 2019, 5, eaav6262.	4.7	132
49	Facile Synthesis of Carbon-Coated Porous Sb <sub>2</sub> Te <sub>3</sub> Nanoplates with High Alkali Metal Ion Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 29934-29940.	4.0	40
50	Short O <sub>2</sub> separation in layered oxide Na <sub>0.67</sub> CoO <sub>2</sub> enables an ultrafast oxygen evolution reaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23473-23479.	3.3	52
51	Green <i>In Situ</i> Growth Solid Electrolyte Interphase Layer with High Rebound Resilience for Long-Life Lithium Metal Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 43200-43205.	4.0	22
52	Introduction to Electrochemical Energy Storage. , 2019, , 1-28.		0
53	Charge Transfer and Storage of an Electrochemical Cell and Its Nano Effects. , 2019, , 29-87.		0
54	Facile synthesis of CuO nanochains as high-rate anode materials for lithium-ion batteries. <i>New Journal of Chemistry</i> , 2019, 43, 6535-6539.	1.4	33

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55	Strategies for improving the storage performance of silicon-based anodes in lithium-ion batteries. Nano Research, 2019, 12, 1739-1749.	5.8	79
56	Double-Layer Polymer Electrolyte for High-Voltage All-Solid-State Rechargeable Batteries. Advanced Materials, 2019, 31, e1805574.	11.1	321
57	Garnet Electrolyte with an Ultralow Interfacial Resistance for Li-Metal Batteries. Journal of the American Chemical Society, 2018, 140, 6448-6455.	6.6	427
58	A High-Energy-Density Potassium Battery with a Polymer-Gel Electrolyte and a Polyaniline Cathode. Angewandte Chemie, 2018, 130, 5547-5551.	1.6	47
59	Stabilizing a High-Energy-Density Rechargeable Sodium Battery with a Solid Electrolyte. Chem, 2018, 4, 833-844.	5.8	195
60	Nitrogen-Doped Perovskite as a Bifunctional Cathode Catalyst for Rechargeable Lithium-Oxygen Batteries. ACS Applied Materials & Interfaces, 2018, 10, 5543-5550.	4.0	100
61	Durable and Efficient Hollow Porous Oxide Spinel Microspheres for Oxygen Reduction. Joule, 2018, 2, 337-348.	11.7	189
62	Stable Lithium Storage in Nitrogen-Doped Carbon-Coated Ferric Oxide Yolk-Shell Nanospindles with Preserved Hollow Space. ChemPlusChem, 2018, 83, 99-107.	1.3	5
63	±-MnO <sub>2</sub> nanorods supported on porous graphitic carbon nitride as efficient electrocatalysts for lithium-air batteries. Journal of Power Sources, 2018, 392, 15-22.	4.0	67
64	A High-Energy-Density Potassium Battery with a Polymer-Gel Electrolyte and a Polyaniline Cathode. Angewandte Chemie - International Edition, 2018, 57, 5449-5453.	7.2	205
65	Na <sub>3</sub> MnZr(PO <sub>4</sub> ) <sub>3</sub> : A High-Voltage Cathode for Sodium Batteries. Journal of the American Chemical Society, 2018, 140, 18192-18199.	6.6	195
66	Polyanthraquinone-Triazine-A Promising Anode Material for High-Energy Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 37023-37030.	4.0	106
67	Li <sub>3</sub> N-Modified Garnet Electrolyte for All-Solid-State Lithium Metal Batteries Operated at 40 °C. Nano Letters, 2018, 18, 7414-7418.	4.5	270
68	Selective CO Evolution from Photoreduction of CO <sub>2</sub> on a Metal-Carbide-Based Composite Catalyst. Journal of the American Chemical Society, 2018, 140, 13071-13077.	6.6	65
69	Room-Temperature Liquid Na-K Anode Membranes. Angewandte Chemie - International Edition, 2018, 57, 14184-14187.	7.2	73
70	Room-Temperature Liquid Na-K Anode Membranes. Angewandte Chemie, 2018, 130, 14380-14383.	1.6	15
71	Polymer lithium-garnet interphase for an all-solid-state rechargeable battery. Nano Energy, 2018, 53, 926-931.	8.2	103
72	Insights into the Improved High-Voltage Performance of Li-Incorporated Layered Oxide Cathodes for Sodium-Ion Batteries. Chem, 2018, 4, 2124-2139.	5.8	128

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73	A Perovskite Electrolyte That Is Stable in Moist Air for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8587-8591.	7.2	103
74	SiO <sub>2</sub> Encapsulated in Graphene Bubble Film: An Ultrastable Li-Ion Battery Anode. <i>Advanced Materials</i> , 2018, 30, e1707430.	11.1	243
75	A Perovskite Electrolyte That Is Stable in Moist Air for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2018, 130, 8723-8727.	1.6	7
76	Stable Sodium Storage of Red Phosphorus Anode Enabled by a Dual-Protection Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30479-30486.	4.0	24
77	Graphitic Nanocarbon-Selenium Cathode with Favorable Rate Capability for Li-Se Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 8759-8765.	4.0	54
78	Photocatalytic CO <sub>2</sub> Reduction by Carbon-Coated Indium-Oxide Nanobelts. <i>Journal of the American Chemical Society</i> , 2017, 139, 4123-4129.	6.6	434
79	A Plastic-Crystal Electrolyte Interphase for All-Solid-State Sodium Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5541-5545.	7.2	160
80	Enhanced Visible-Light-Driven Photocatalytic H <sub>2</sub> Evolution from Water on Noble-Metal-Free CdS-Nanoparticle-Dispersed Mo <sub>2</sub> C@C Nanospheres. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5449-5456.	3.2	77
81	Methods for the Stabilization of Nanostructured Electrode Materials for Advanced Rechargeable Batteries. <i>Small Methods</i> , 2017, 1, 1700094.	4.6	50
82	Solid-State Lithium Metal Batteries Promoted by Nanotechnology: Progress and Prospects. <i>ACS Energy Letters</i> , 2017, 2, 1385-1394.	8.8	314
83	An Inverse Aluminum Battery: Putting the Aluminum as the Cathode. <i>ACS Energy Letters</i> , 2017, 2, 1534-1538.	8.8	19
84	Stable Li Plating/Stripping Electrochemistry Realized by a Hybrid Li Reservoir in Spherical Carbon Granules with 3D Conducting Skeletons. <i>Journal of the American Chemical Society</i> , 2017, 139, 5916-5922.	6.6	410
85	Hybrid Polymer/Garnet Electrolyte with a Small Interfacial Resistance for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2017, 129, 771-774.	1.6	72
86	Hybrid Polymer/Garnet Electrolyte with a Small Interfacial Resistance for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 753-756.	7.2	449
87	Rechargeable Sodium All-Solid-State Battery. <i>ACS Central Science</i> , 2017, 3, 52-57.	5.3	332
88	Porous Coconut Shell Carbon Offering High Retention and Deep Lithiation of Sulfur for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33855-33862.	4.0	107
89	The Origin of Superior Performance of Co(OH) <sub>2</sub> in Hybrid Supercapacitors. <i>CheM</i> , 2017, 3, 26-28.	5.8	43
90	Advanced Porous Carbon Materials for High-Efficient Lithium Metal Anodes. <i>Advanced Energy Materials</i> , 2017, 7, 1700530.	10.2	208

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91	Atom-Thick Interlayer Made of CVD-Grown Graphene Film on Separator for Advanced Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 43696-43703.	4.0	79
92	Rational design of Si@carbon with robust hierarchically porous custard-apple-like structure to boost lithium storage. Nano Energy, 2017, 39, 253-261.	8.2	126
93	Biotemplated synthesis of three-dimensional porous MnO/C-N nanocomposites from renewable rapeseed pollen: An anode material for lithium-ion batteries. Nano Research, 2017, 10, 1-11.	5.8	208
94	Progress of rechargeable lithium metal batteries based on conversion reactions. National Science Review, 2017, 4, 54-70.	4.6	128
95	Binder/Collector-Free Te Cathodes: Elastic Carbon Nanotube Aerogel Meets Tellurium Nanowires: A Binder- and Collector-Free Electrode for Li-Te Batteries (Adv. Funct. Mater. 21/2016). Advanced Functional Materials, 2016, 26, 3747-3747.	7.8	0
96	Built-in Carbon Nanotube Network inside a Biomass-Derived Hierarchically Porous Carbon to Enhance the Performance of the Sulfur Cathode in a Li-S Battery. ChemNanoMat, 2016, 2, 712-718.	1.5	52
97	Graphene-Wrapped Graphitic Carbon Hollow Spheres: Bioinspired Synthesis and Applications in Batteries and Supercapacitors. ChemNanoMat, 2016, 2, 540-546.	1.5	28
98	The Electrochemistry with Lithium versus Sodium of Selenium Confined To Slit Micropores in Carbon. Nano Letters, 2016, 16, 4560-4568.	4.5	140
99	Subzero-Temperature Cathode for a Sodium-Ion Battery. Advanced Materials, 2016, 28, 7243-7248.	11.1	406
100	Rice husk-derived hierarchical silicon/nitrogen-doped carbon/carbon nanotube spheres as low-cost and high-capacity anodes for lithium-ion batteries. Nano Energy, 2016, 25, 120-127.	8.2	454
101	Photocatalytic CO <sub>2</sub> reduction highly enhanced by oxygen vacancies on Pt-nanoparticle-dispersed gallium oxide. Nano Research, 2016, 9, 1689-1700.	5.8	141
102	Combining Nitrogen-Doped Graphene Sheets and MoS <sub>2</sub> : A Unique Film-Foam-Film Structure for Enhanced Lithium Storage. Angewandte Chemie, 2016, 128, 12975-12980.	1.6	44
103	Combining Nitrogen-Doped Graphene Sheets and MoS <sub>2</sub> : A Unique Film-Foam-Film Structure for Enhanced Lithium Storage. Angewandte Chemie - International Edition, 2016, 55, 12783-12788.	7.2	172
104	Covalently Connected Carbon Nanostructures for Current Collectors in Both the Cathode and Anode of Li-S Batteries. Advanced Materials, 2016, 28, 9094-9102.	11.1	184
105	Novel Hydrogel-Derived Bifunctional Oxygen Electrocatalyst for Rechargeable Air Cathodes. Nano Letters, 2016, 16, 6516-6522.	4.5	241
106	Conductive Carbon Network inside a Sulfur-Impregnated Carbon Sponge: A Bioinspired High-Performance Cathode for Li-S Battery. ACS Applied Materials & Interfaces, 2016, 8, 22261-22269.	4.0	54
107	Facile Synthesis of MoS <sub>2</sub> /Reduced Graphene Oxide@Polyaniline for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 21373-21380.	4.0	183
108	Fluorine-Doped Antiperovskite Electrolyte for All-Solid-State Lithium-Ion Batteries. Angewandte Chemie, 2016, 128, 10119-10122.	1.6	29

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109	Graphene Sandwiched by Sulfur-Confined Mesoporous Carbon Nanosheets: A Kinetically Stable Cathode for Li-S Batteries. ACS Applied Materials & Interfaces, 2016, 8, 33704-33711.	4.0	56
110	Liquid Na Alloy Anode Enables Dendrite-Free Potassium Batteries. Advanced Materials, 2016, 28, 9608-9612.	11.1	235
111	Plating a Dendrite-Free Lithium Anode with a Polymer/Ceramic/Polymer Sandwich Electrolyte. Journal of the American Chemical Society, 2016, 138, 9385-9388.	6.6	844
112	Fluorine-Doped Antiperovskite Electrolyte for All-Solid-State Lithium-Ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 9965-9968.	7.2	192
113	Na <sub>x</sub> MV(PO <sub>4</sub> ) <sub>3</sub> (M = Mn, Fe, Ni) Structure and Properties for Sodium Extraction. Nano Letters, 2016, 16, 7836-7841.	4.5	229
114	Mastering the interface for advanced all-solid-state lithium rechargeable batteries. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13313-13317.	3.3	237
115	Electrocatalytic performances of g-C <sub>3</sub> N <sub>4</sub> -LaNiO <sub>3</sub> composite as bi-functional catalysts for lithium-oxygen batteries. Scientific Reports, 2016, 6, 24314.	1.6	56
116	Ion-Catalyzed Synthesis of Microporous Hard Carbon Embedded with Expanded Nanographite for Enhanced Lithium/Sodium Storage. Journal of the American Chemical Society, 2016, 138, 14915-14922.	6.6	360
117	Carbon Nanostructures: Covalently Connected Carbon Nanostructures for Current Collectors in Both the Cathode and Anode of Li-S Batteries (Adv. Mater. 41/2016). Advanced Materials, 2016, 28, 9016-9016.	11.1	5
118	Elastic Carbon Nanotube Aerogel Meets Tellurium Nanowires: A Binder- and Collector-Free Electrode for Li-Te Batteries. Advanced Functional Materials, 2016, 26, 3580-3588.	7.8	73
119	Nickel-Doped La <sub>0.8</sub> Sr <sub>0.2</sub> Mn <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> Nanoparticles Containing Abundant Oxygen Vacancies as an Optimized Bifunctional Catalyst for Oxygen Cathode in Rechargeable Lithium-Air Batteries. ACS Applied Materials & Interfaces, 2016, 8, 6520-6528.	4.0	176
120	Flexible nitrogen-doped graphene/SnO <sub>2</sub> foams promise kinetically stable lithium storage. Nano Energy, 2015, 13, 482-490.	8.2	140
121	Carambola-shaped LiFePO <sub>4</sub> /C nanocomposites: directing synthesis and enhanced Li storage properties. Journal of Materials Chemistry A, 2015, 3, 116-120.	5.2	16
122	Peptide Self-Assembled Biofilm with Unique Electron Transfer Flexibility for Highly Efficient Visible-Light-Driven Photocatalysis. ACS Nano, 2015, 9, 11258-11265.	7.3	73
123	General and Straightforward Synthetic Route to Phenolic Resin Gels Templated by Chitosan Networks. Chemistry of Materials, 2014, 26, 6915-6918.	3.2	45
124	A High-Energy Room-Temperature Sodium-Sulfur Battery. Advanced Materials, 2014, 26, 1261-1265.	11.1	525
125	Carbon Nanofibers Decorated with Molybdenum Disulfide Nanosheets: Synergistic Lithium Storage and Enhanced Electrochemical Performance. Angewandte Chemie - International Edition, 2014, 53, 11552-11556.	7.2	326
126	Batteries: A High-Energy Room-Temperature Sodium-Sulfur Battery (Adv. Mater. 8/2014). Advanced Materials, 2014, 26, 1308-1308.	11.1	3



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127	Copper germanate nanowire/reduced graphene oxide anode materials for high energy lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11404.	5.2	73
128	A novel polymer electrolyte with improved high-temperature-tolerance up to 170°C for high-temperature lithium-ion batteries. <i>Journal of Power Sources</i> , 2013, 244, 234-239.	4.0	61
129	Encapsulation of Sulfur in a Hollow Porous Carbon Substrate for Superior Li-S Batteries with Long Lifespan. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 321-325.	1.2	90
130	Lithium-Sulfur Batteries: Electrochemistry, Materials, and Prospects. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13186-13200.	7.2	2,329
131	Enhanced working temperature of PEO-based polymer electrolyte via porous PTFE film as an efficient heat resister. <i>Solid State Ionics</i> , 2013, 245-246, 1-7.	1.3	32
132	High-safety lithium-sulfur battery with prelithiated Si/C anode and ionic liquid electrolyte. <i>Electrochimica Acta</i> , 2013, 91, 58-61.	2.6	127
133	Tuning the porous structure of carbon hosts for loading sulfur toward long lifespan cathode materials for Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6602.	5.2	189
134	An Advanced Selenium-Carbon Cathode for Rechargeable Lithium-Selenium Batteries. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8363-8367.	7.2	391
135	Batteries: Encapsulation of Sulfur in a Hollow Porous Carbon Substrate for Superior Li-S Batteries with Long Lifespan (Part. Part. Syst. Charact. 4/2013). <i>Particle and Particle Systems Characterization</i> , 2013, 30, 392-392.	1.2	1
136	Nanoparticles Engineering for Lithium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 737-753.	1.2	22
137	Synthesis of Nanostructured SnO <sub>2</sub> /C Microfibers with Improved Performances as Anode Material for Li-Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 2581-2585.	0.9	11
138	Nanocarbon Networks for Advanced Rechargeable Lithium Batteries. <i>Accounts of Chemical Research</i> , 2012, 45, 1759-1769.	7.6	533
139	Smaller Sulfur Molecules Promise Better Lithium-Sulfur Batteries. <i>Journal of the American Chemical Society</i> , 2012, 134, 18510-18513.	6.6	1,499
140	Ionothermal synthesis of sulfur-doped porous carbons hybridized with graphene as superior anode materials for lithium-ion batteries. <i>Chemical Communications</i> , 2012, 48, 10663.	2.2	278
141	Improved kinetics of LiNi <sub>1/3</sub> Mn <sub>1/3</sub> Co <sub>1/3</sub> O <sub>2</sub> cathode material through reduced graphene oxide networks. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2934.	1.3	97
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