

Jun Liu

List of Publications by Year in descending order

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243
papers

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24059
citing authors

#	ARTICLE	IF	CITATIONS
1	The Contact Interface Engineering of All-Sulfide-Based Solid State Batteries via Infiltrating Dissoluble Sulfide Electrolyte. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	4
2	General construction of lithiophilic 3D skeleton for dendrite-free lithium metal anode via a versatile MOF-derived route. <i>Science China Materials</i> , 2022, 65, 337-348.	3.5	38
3	Microstructures constructed by MoSe ₂ /C nanoplates sheathed in N-doped carbon for efficient sodium (potassium) storage. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161746.	2.8	14
4	SnS _x (x = 1, 2) nanoparticles encapsulated in carbon nanospheres with reversible electrochemical behaviors for lithium-ion half/full cells. <i>Chemical Engineering Journal</i> , 2022, 431, 133463.	6.6	12
5	Scalable synthesis of Li ₂ GeO ₃ /expanded graphite as a high-performance anode for Li-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 898, 162893.	2.8	11
6	Pomegranate-like structured Nb ₂ O ₅ /Carbon@N-doped carbon composites as ultrastable anode for advanced sodium/potassium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 84-93.	5.0	32
7	Phase tuning of P2/O3-type layered oxide cathode for sodium ion batteries via a simple Li/F co-doping route. <i>Chemical Engineering Journal</i> , 2022, 431, 134273.	6.6	30
8	Functional catalysts for polysulfide conversion in Li-S batteries: from micro/nanoscale to single atom. <i>Rare Metals</i> , 2022, 41, 1080-1100.	3.6	16
9	A Self-Supporting Covalent Organic Framework Separator with Desolvation Effect for High Energy Density Lithium Metal Batteries. <i>ACS Energy Letters</i> , 2022, 7, 885-896.	8.8	76
10	In-Situ Synthesis of Carbon-Encapsulated Atomic Cobalt as Highly Efficient Polysulfide Electrocatalysts for Highly Stable Lithium-Sulfur Batteries. <i>Small</i> , 2022, 18, e2106640.	5.2	33
11	Synergistic Effect of Lithium Salts with Fillers and Solvents in Composite Electrolytes for Superior Room-Temperature Solid-State Lithium Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 2484-2494.	2.5	36
12	In Situ Construction a Stable Protective Layer in Polymer Electrolyte for Ultralong Lifespan Solid-State Lithium Metal Batteries. <i>Advanced Science</i> , 2022, 9, e2104277.	5.6	78
13	Advances in the Development of Single-Atom Catalysts for High-Energy-Density Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2022, 34, e2200102.	11.1	202
14	Self-Sacrifice Template Construction of Uniform Yolk-Shell ZnS@C for Superior Alkali-Ion Storage. <i>Advanced Science</i> , 2022, 9, e2200247.	5.6	46
15	Construction of SnS-Mo-graphene nanosheets composite for highly reversible and stable lithium/sodium storage. <i>Journal of Materials Science and Technology</i> , 2022, 121, 190-198.	5.6	11
16	Structural Evolution in P2-type Layered Oxide Cathode Materials for Sodium-Ion Batteries. <i>ChemNanoMat</i> , 2022, 8, .	1.5	8
17	Introducing NO ₃ ⁻ into Carbonate-Based Electrolytes via Covalent Organic Framework to Incubate Stable Interface for Li-Metal Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	29
18	Phenyl 4-Fluorobenzene Sulfonate as a Versatile Film-Forming Electrolyte Additive for Wide-Temperature-Range NCM811//Graphite Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 6324-6334.	2.5	13

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19	Understanding the phenomenon of capacity increasing along cycles: in the case of an ultralong-life and high-rate SnSe-Mo-C anode for lithium storage. <i>Journal of Energy Chemistry</i> , 2022, , .	7.1	4
20	Insight into Reversible Conversion Reactions in SnO ₂ -Based Anodes for Lithium Storage: A Review. <i>Small</i> , 2022, 18, e2201110.	5.2	40
21	Challenges and Modification Strategies of Ni-Rich Cathode Materials Operating at High-Voltage. <i>Nanomaterials</i> , 2022, 12, 1888.	1.9	27
22	Boosting fast and stable symmetric sodium-ion storage by synergistic engineering and amorphous structure. <i>Nano Energy</i> , 2022, 100, 107481.	8.2	16
23	Recent advances in bifunctional catalysts for zinc-air batteries: Synthesis and potential mechanisms. <i>Science China Technological Sciences</i> , 2022, 65, 2221-2245.	2.0	10
24	Construction of Fe ₇ Se ₈ @Carbon nanotubes with enhanced sodium/potassium storage. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 355-363.	5.0	24
25	Dual-Carbon-Confined SnS Nanostructure with High Capacity and Long Cycle Life for Lithium-ion Batteries. <i>Energy and Environmental Materials</i> , 2021, 4, 562-568.	7.3	24
26	Self-supported hierarchical porous Li ₄ Ti ₅ O ₁₂ /carbon arrays for boosted lithium ion storage. <i>Journal of Energy Chemistry</i> , 2021, 54, 754-760.	7.1	25
27	Boosted lithium storage cycling stability of TiP ₂ by in-situ partial self-decomposition and nano-spatial confinement. <i>Journal of Power Sources</i> , 2021, 485, 229337.	4.0	9
28	A nanorod-like Ni-rich layered cathode with enhanced Li ⁺ diffusion pathways for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2830-2839.	5.2	58
29	Stable Lithium Storage at Subzero Temperatures for High-capacity Co ₃ O ₄ @graphene Composite Anodes. <i>ChemNanoMat</i> , 2021, 7, 61-70.	1.5	19
30	Deciphering the Oxygen Absorption Pre-edge: A Caveat on its Application for Probing Oxygen Redox Reactions in Batteries. <i>Energy and Environmental Materials</i> , 2021, 4, 246-254.	7.3	56
31	Cathodes for Aqueous Zn-ion Batteries: Materials, Mechanisms, and Kinetics. <i>Chemistry - A European Journal</i> , 2021, 27, 830-860.	1.7	84
32	Facile Synthesis of Yolk-Shell Bi@C Nanospheres with Superior Li-ion Storage Performances. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 347-353.	1.5	7
33	Challenges and strategies of zinc anode for aqueous zinc-ion batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2201-2217.	3.2	50
34	Freestanding Sodium Vanadate/Carbon Nanotube Composite Cathodes with Excellent Structural Stability and High Rate Capability for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 816-826.	4.0	25
35	Ultrafine ZnS Nanoparticles in the Nitrogen-Doped Carbon Matrix for Long-Life and High-Stable Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11007-11017.	4.0	44
36	Surface/Interface Structure and Chemistry of Lithium-Sulfur Batteries: From Density Functional Theory Calculations™ Perspective. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100007.	2.8	27

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37	Challenges and Development of Composite Solid Electrolytes for All-solid-state Lithium Batteries. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 210-231.	1.3	26
38	Subzero temperature promotes stable lithium storage in SnO ₂ . <i>Energy Storage Materials</i> , 2021, 36, 242-250.	9.5	36
39	Unraveling the Catalytic Activity of Fe ²⁺ -Based Compounds toward Li ₂ S _x in Li ⁺ S Chemical System from d ⁶ Bands. <i>Advanced Energy Materials</i> , 2021, 11, 2100673.	10.2	89
40	Li ₂ CO ₃ induced stable SEI formation: An efficient strategy to boost reversibility and cyclability of Li storage in SnO ₂ anodes. <i>Science China Materials</i> , 2021, 64, 2683-2696.	3.5	17
41	Substantial Doping Engineering in Layered LiNi _{0.5+x} Co _{0.2} Mn _{0.3} O ₂ Materials for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 060534.	1.3	7
42	In-situ introducing TiP ₂ nanocrystals in black phosphorus anode to promote high rate-capacity synergy. <i>Journal of Power Sources</i> , 2021, 499, 229979.	4.0	13
43	Direct Detection and Visualization of the H ⁺ Reaction Process in a VO ₂ Cathode for Aqueous Zinc-Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7076-7084.	2.1	19
44	Li ⁺ S Batteries: Unraveling the Catalytic Activity of Fe ²⁺ -Based Compounds toward Li ₂ S _x in Li ⁺ S Chemical System from d ⁶ Bands (Adv. Tj ETQq0102rgBT / Overlock 1	10.2	89
45	Ultralow Volume Change of P2-Type Layered Oxide Cathode for Na ⁺ Ion Batteries with Controlled Phase Transition by Regulating Distribution of Na ⁺ . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20960-20969.	7.2	59
46	Ultralow Volume Change of P2-Type Layered Oxide Cathode for Na ⁺ Ion Batteries with Controlled Phase Transition by Regulating Distribution of Na ⁺ . <i>Angewandte Chemie</i> , 2021, 133, 21128-21137.	1.6	15
47	Synthesis of amorphous SeP ₂ /C composite by plasma assisted ball milling for high-performance anode materials of lithium and sodium-ion batteries. <i>Progress in Natural Science: Materials International</i> , 2021, 31, 567-574.	1.8	13
48	Multifunctional Metal Phosphides as Superior Host Materials for Advanced Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2021, 27, 13494-13512.	1.7	15
49	Fluorine-substituted O3-type NaNi _{0.4} Mn _{0.25} Ti _{0.3} Co _{0.05} O ₂ -F cathode with improved rate capability and cyclic stability for sodium-ion storage at high voltage. <i>Journal of Energy Chemistry</i> , 2021, 60, 341-350.	7.1	26
50	Fabrication of ZnSe/C Hollow Polyhedrons for Lithium Storage. <i>Chemistry - A European Journal</i> , 2021, 27, 14989-14995.	1.7	4
51	Frontispiece: Multifunctional Metal Phosphides as Superior Host Materials for Advanced Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2021, 27, .	1.7	0
52	Interface engineering for composite cathodes in sulfide-based all-solid-state lithium batteries. <i>Journal of Energy Chemistry</i> , 2021, 60, 32-60.	7.1	64
53	Frontispiece: Cathodes for Aqueous Zn ⁺ Ion Batteries: Materials, Mechanisms, and Kinetics. <i>Chemistry - A European Journal</i> , 2021, 27, .	1.7	0
54	Reversible formation of metastable Sn-rich solid solution in SnO ₂ -based anode for high-performance lithium storage. <i>Applied Materials Today</i> , 2021, 25, 101242.	2.3	3

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55	Micro-sized FeS ₂ @FeSO ₄ core-shell composite for advanced lithium storage. Journal of Alloys and Compounds, 2020, 814, 151922.	2.8	11
56	Recent Progress in Organic-Inorganic Composite Solid Electrolytes for All-Solid-State Lithium Batteries. Chemistry - A European Journal, 2020, 26, 1720-1736.	1.7	100
57	Good cycling stability and high initial efficiency demonstrated in full cells with limited lithium source for an advanced SnO ₂ @Co-C composite anode. Electrochimica Acta, 2020, 334, 135640.	2.6	11
58	An atomic-confined-space separator for high performance lithium-sulfur batteries. Journal of Materials Chemistry A, 2020, 8, 1896-1903.	5.2	41
59	Monodisperse CoSn and NiSn Nanoparticles Supported on Commercial Carbon as Anode for Lithium- and Potassium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 4414-4422.	4.0	46
60	Recent progress of flexible sulfur cathode based on carbon host for lithium-sulfur batteries. Journal of Materials Science and Technology, 2020, 55, 56-72.	5.6	53
61	Hollow spheres of Mo ₂ C@C as synergistically confining sulfur host for superior Li-S battery cathode. Electrochimica Acta, 2020, 332, 135482.	2.6	33
62	Fe ₃ O ₄ @C Nanotubes Grown on Carbon Fabric as a Free-Standing Anode for High-Performance Li-Ion Batteries. Chemistry - A European Journal, 2020, 26, 14708-14714.	1.7	19
63	A flexible composite solid electrolyte with a highly stable interphase for dendrite-free and durable all-solid-state lithium metal batteries. Journal of Materials Chemistry A, 2020, 8, 18043-18054.	5.2	77
64	A Scalable Approach to Na ₂ FeP ₂ O ₇ @Carbon/Expanded Graphite as a Low-Cost and High-Performance Cathode for Sodium-Ion Batteries. ChemElectroChem, 2020, 7, 3874-3882.	1.7	21
65	Ni-Rich Layered Oxide with Preferred Orientation (110) Plane as a Stable Cathode Material for High-Energy Lithium-Ion Batteries. Nanomaterials, 2020, 10, 2495.	1.9	19
66	Scalable One-Pot Synthesis of Hierarchical Bi@C Bulk with Superior Lithium-Ion Storage Performances. ACS Applied Materials & Interfaces, 2020, 12, 51478-51487.	4.0	29
67	SnS ₂ /g-C ₃ N ₄ /graphite nanocomposites as durable lithium-ion battery anode with high pseudocapacitance contribution. Electrochimica Acta, 2020, 349, 136369.	2.6	29
68	Structural and Electrochemical Properties of Low-Cobalt-Content LiNi _{0.6+x} Co _{0.2} Mn _{0.2} O ₂ (0.0 ≤ x ≤ 0.08). Journal of Materials Chemistry A, 2020, 8, 28253-28263.	4.0	30
69	Frontispiece: Recent Progress of P ₂ -Type Layered Transition-Metal Oxide Cathodes for Sodium-Ion Batteries. Chemistry - A European Journal, 2020, 26, .	1.7	1
70	Flowerlike Ti-Doped MoO ₃ Conductive Anode Fabricated by a Novel NiTi Dealloying Method: Greatly Enhanced Reversibility of the Conversion and Intercalation Reaction. ACS Applied Materials & Interfaces, 2020, 12, 8240-8248.	4.0	13
71	Regulating Lithium Nucleation and Deposition via MOF-Derived Co@C-Modified Carbon Cloth for Stable Li Metal Anode. Advanced Functional Materials, 2020, 30, 1909159.	7.8	170
72	Recent Progress of P ₂ -Type Layered Transition-Metal Oxide Cathodes for Sodium-Ion Batteries. Chemistry - A European Journal, 2020, 26, 7747-7766.	1.7	72

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73	Construction of TiP2O7 nanosheets/rGO hierarchical Flower-like heterostructures for superfast and ultralong lithiation/delithiation process. Applied Surface Science, 2020, 513, 145854.	3.1	13
74	B,N Codoped Graphitic Nanotubes Loaded with Co Nanoparticles as Superior Sulfur Host for Advanced Liâ€“S Batteries. Small, 2020, 16, e1906634.	5.2	50
75	Self-sacrificial template-directed ZnSe@C as high performance anode for potassium-ion batteries. Chemical Engineering Journal, 2020, 387, 124061.	6.6	55
76	High-performance PVDF-HFP based gel polymer electrolyte with a safe solvent in Li metal polymer battery. Journal of Energy Chemistry, 2020, 49, 80-88.	7.1	155
77	Solvent-Free Method Prepared a Sandwich-like Nanofibrous Membrane-Reinforced Polymer Electrolyte for High-Performance All-Solid-State Lithium Batteries. ACS Applied Materials & Interfaces, 2020, 12, 21586-21595.	4.0	46
78	Mechanistic Understanding of Metal Phosphide Host for Sulfur Cathode in High-Energy-Density Lithiumâ€“Sulfur Batteries. ACS Nano, 2019, 13, 8986-8996.	7.3	215
79	Capacity Fading of Ni-Rich NCA Cathodes: Effect of Microcracking Extent. ACS Energy Letters, 2019, 4, 2995-3001.	8.8	297
80	Adding Metal Carbides to Suppress the Crystalline Li15Si4 Formation: A Route toward Cycling Durable Si-Based Anodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 38727-38736.	4.0	26
81	GO@Se@Ni Cathode Materials for Lithium-Selenium Battery. Journal of the Electrochemical Society, 2019, 166, A5259-A5264.	1.3	6
82	Coâ€“Sn Nanocrystalline Solid Solutions as Anode Materials in Lithiumâ€“Ion Batteries with High Pseudocapacitive Contribution. ChemSusChem, 2019, 12, 1451-1458.	3.6	38
83	Co-Substitution Enhances the Rate Capability and Stabilizes the Cyclic Performance of O3-Type Cathode NaNi_{0.45}Mn_{0.25}Ti_{0.3}Co_xO₂ for Sodium-Ion Storage at High Voltage. ACS Applied Materials & Interfaces, 2019, 11, 7906-7913.	4.0	53
84	Nano-spatially confined and interface-controlled lithiationâ€“delithiation in an <i>in situ</i> formed (SnSâ€“SnS₂)/FLG composite: a route to an ultrafast and cycle-stable anode for lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 15320-15332.	5.2	32
85	Selfâ€“Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for Highâ€“Energyâ€“Density Lithiumâ€“Sulfur Batteries. Advanced Materials, 2019, 31, e1902228.	11.1	216
86	Facile Synthesis of Peapodâ€“Like Cu₃Ge/Ge@C as a Highâ€“Capacity and Longâ€“Life Anode for Liâ€“Ion Batteries. Chemistry - A European Journal, 2019, 25, 11486-11493.	1.7	12
87	Facile synthesis of three-dimensional porous interconnected carbon matrix embedded with Sb nanoparticles as superior anode for Na-ion batteries. Chemical Engineering Journal, 2019, 374, 502-510.	6.6	42
88	Joint Charge Storage for Highâ€“Rate Aqueous Zincâ€“Manganese Dioxide Batteries. Advanced Materials, 2019, 31, e1900567.	11.1	299
89	Gel-assisted synthesis of Cu Co S nanosheets for lithium-ion batteries. Applied Surface Science, 2019, 488, 537-545.	3.1	7
90	Plasma milling modified Sb2S3-graphite nanocomposite as a highly reversible alloying-conversion anode material for lithium storage. Electrochimica Acta, 2019, 310, 26-37.	2.6	23

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91	Robust spindle-structured FeP@C for high-performance alkali-ion batteries anode. <i>Electrochimica Acta</i> , 2019, 312, 224-233.	2.6	62
92	Compositionally tuned Ni _x Sn alloys as anode materials for lithium-ion and sodium-ion batteries with a high pseudocapacitive contribution. <i>Electrochimica Acta</i> , 2019, 304, 246-254.	2.6	51
93	MOF-derived hollow TiO ₂ @C/FeTiO ₃ nanoparticles as photoanodes with enhanced full spectrum light PEC activities. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 369-381.	10.8	72
94	Rational synthesis of ternary FeS@TiO ₂ @C nanotubes as anode for superior Na-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 359, 765-774.	6.6	64
95	An EOG-based wheelchair robotic arm system for assisting patients with severe spinal cord injuries. <i>Journal of Neural Engineering</i> , 2019, 16, 026021.	1.8	27
96	Dramatically Enhanced Li ⁺ Ion Storage of ZnO@C Anodes through TiO ₂ Homogeneous Hybridization. <i>Chemistry - A European Journal</i> , 2019, 25, 582-589.	1.7	11
97	High sulfur loading in activated bamboo-derived porous carbon as a superior cathode for rechargeable Li ⁺ S batteries. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3517-3525.	2.3	13
98	Flexible and Self-Supported Sulfur Cathode for High-Energy-Density Lithium-Sulfur Batteries. <i>ECS Meeting Abstracts</i> , 2019, . .	0.0	0
99	C@MoS ₂ @PPy sandwich-like nanotube arrays as an ultrastable and high-rate flexible anode for Li/Na-ion batteries. <i>Energy Storage Materials</i> , 2018, 14, 118-128.	9.5	65
100	A General Metal-Organic Framework (MOF)-Derived Selenidation Strategy for In Situ Carbon-Encapsulated Metal Selenides as High-Rate Anodes for Na ⁺ Ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1707573.	7.8	325
101	Highly reversible conversion reaction in Sn ₂ Fe@SiO _x nanocomposite: A high initial Coulombic efficiency and long lifetime anode for lithium storage. <i>Energy Storage Materials</i> , 2018, 13, 257-266.	9.5	32
102	Nanoconfined Oxidation Synthesis of N-Doped Carbon Hollow Spheres and MnO ₂ Encapsulated Sulfur Cathode for Superior Li ⁺ S Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 4472-4472.	1.7	1
103	Enabling a highly reversible conversion reaction in a lithiated nano-SnO ₂ film coated with Al ₂ O ₃ by atomic layer deposition. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4374-4385.	5.2	26
104	Rational synthesis of Li ₄ Ti ₅ O ₁₂ /N-C nanotube arrays as advanced high-rate electrodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3857-3863.	5.2	54
105	Sodium Ion Stabilized Vanadium Oxide Nanowire Cathode for High-Performance Zinc Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702463.	10.2	650
106	Unveiling critical size of coarsened Sn nanograins for achieving high round-trip efficiency of reversible conversion reaction in lithiated SnO ₂ nanocrystals. <i>Nano Energy</i> , 2018, 45, 255-265.	8.2	80
107	Low-Defect and Low-Porosity Hard Carbon with High Coulombic Efficiency and High Capacity for Practical Sodium Ion Battery Anode. <i>Advanced Energy Materials</i> , 2018, 8, 1703238.	10.2	414
108	High-Voltage Lithium-Metal Batteries Enabled by Localized High-Concentration Electrolytes. <i>Advanced Materials</i> , 2018, 30, e1706102.	11.1	761

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109	A scalable ternary SnO ₂ /Co ²⁺ composite as a high initial coulombic efficiency, large capacity and long lifetime anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7206-7220.	5.2	74
110	Nanoconfined Oxidation Synthesis of N-Doped Carbon Hollow Spheres and MnO ₂ Encapsulated Sulfur Cathode for Superior Li-ion Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 4573-4582.	1.7	34
111	Water-Lubricated Intercalation in V ₂ O ₅ /H ₂ O for High-Capacity and High-Rate Aqueous Rechargeable Zinc Batteries. <i>Advanced Materials</i> , 2018, 30, 1703725.	11.1	1,084
112	AgP ₂ C as an anode for high rate performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 762, 246-253.	2.8	14
113	A nanorod FeP@phosphorus-doped carbon composite for high-performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 763, 296-304.	2.8	30
114	Stable cycling of high-voltage lithium metal batteries in ether electrolytes. <i>Nature Energy</i> , 2018, 3, 739-746.	19.8	767
115	FeP@C Nanotube Arrays Grown on Carbon Fabric as a Low Potential and Freestanding Anode for High-Performance Li-ion Batteries. <i>Small</i> , 2018, 14, e1800793.	5.2	94
116	Stabilizing the Nanostructure of SnO ₂ Anodes by Transition Metals: A Route to Achieve High Initial Coulombic Efficiency and Stable Capacities for Lithium Storage. <i>Advanced Materials</i> , 2017, 29, 1605006.	11.1	306
117	A ZnGeP ₂ /C anode for lithium-ion and sodium-ion batteries. <i>Electrochemistry Communications</i> , 2017, 77, 85-88.	2.3	37
118	New Nanoconfined Galvanic Replacement Synthesis of Hollow Sb@C Yolk-Shell Spheres Constituting a Stable Anode for High-Rate Li/Na-Ion Batteries. <i>Nano Letters</i> , 2017, 17, 2034-2042.	4.5	386
119	Amorphous FeF ₃ /C nanocomposite cathode derived from metal-organic frameworks for sodium ion batteries. <i>RSC Advances</i> , 2017, 7, 24004-24010.	1.7	43
120	Ilmenite Nanotubes for High Stability and High Rate Sodium-Ion Battery Anodes. <i>ACS Nano</i> , 2017, 11, 5120-5129.	7.3	109
121	Design of porous Si/graphite electrodes with long cycle stability and controlled swelling. <i>Energy and Environmental Science</i> , 2017, 10, 1427-1434.	15.6	140
122	Transition-metal redox evolution in LiNi _{0.5} Mn _{0.3} Co _{0.2} O ₂ electrodes at high potentials. <i>Journal of Power Sources</i> , 2017, 360, 294-300.	4.0	62
123	MoS ₂ /cotton-derived carbon fibers with enhanced cyclic performance for sodium-ion batteries. <i>Applied Surface Science</i> , 2017, 413, 169-174.	3.1	26
124	Facile synthesis of self-supported Mn ₃ O ₄ @C nanotube arrays constituting an ultrastable and high-rate anode for flexible Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8555-8565.	5.2	41
125	Self-Supported CoP Nanorod Arrays Grafted on Stainless Steel as an Advanced Integrated Anode for Stable and Long-Life Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 5198-5204.	1.7	75
126	Metal-Organic Framework-Derived NiSb Alloy Embedded in Carbon Hollow Spheres as Superior Lithium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2516-2525.	4.0	116

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127	Hollow bean-pod-like SiO ₂ -supported-SnO ₂ /C nanocomposites for durable lithium and sodium storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1629-1636.	5.2	44
128	MoS ₂ Nanosheets with Conformal Carbon Coating as Stable Anode Materials for Sodium-Ion Batteries. <i>Electrochimica Acta</i> , 2017, 254, 172-180.	2.6	53
129	Non-encapsulation approach for high-performance Li-S batteries through controlled nucleation and growth. <i>Nature Energy</i> , 2017, 2, 813-820.	19.8	326
130	Effects of Anion Mobility on Electrochemical Behaviors of Lithium-Sulfur Batteries. <i>Chemistry of Materials</i> , 2017, 29, 9023-9029.	3.2	35
131	Inhibiting grain coarsening and inducing oxygen vacancies: the roles of Mn in achieving a highly reversible conversion reaction and a long life SnO ₂ -Mn-graphite ternary anode. <i>Energy and Environmental Science</i> , 2017, 10, 2017-2029.	15.6	152
132	Robust Pitaya-Structured Pyrite as High Energy Density Cathode for High-Rate Lithium Batteries. <i>ACS Nano</i> , 2017, 11, 9033-9040.	7.3	247
133	Facile synthesis of uniform MoO ₂ /Mo ₂ CT _x heteromicrospheres as high-performance anode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2017, 363, 392-403.	4.0	34
134	From ZnSn(OH) ₆ to SnS ₂ : Topotactic transformation synthesis of SnS ₂ hierarchical microcubes with superior Li-ion storage performance. <i>Materials Research Bulletin</i> , 2017, 96, 28-34.	2.7	10
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