Yongchang Liu

List of Publications by Year in Descending Order

132 papers	11,201 citations	55 h-index	105 g-index
142 ext. papers	13,851 ext. citations	12.2 avg, IF	7.12 L-index

#	Paper	IF	Citations
132	Low-cost layered oxide cathode involving cationic and anionic redox with a complete solid-solution sodium-storage behavior. *Energy Storage Materials*, **2022**, 47, 44-50	19.4	5
131	Self-Propagating Enabling High Lithium Metal Utilization Ratio Composite Anodes for Lithium Metal Batteries. *Nano Letters*, **2021**, 21, 791-797	11.5	24
130	Confining Pyrrhotite Fe S in Carbon Nanotubes Covalently Bonded onto 3D Few-Layer Graphene Boosts Potassium-Ion Storage and Full-Cell Applications. *Small*, **2021**, 17, e2006719	11	16
129	Reaction kinetics in rechargeable zinc-ion batteries. *Journal of Power Sources*, **2021**, 492, 229655	8.9	11
128	High-Energy Aqueous Sodium-Ion Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 11943-11948	16.1	24
127	High-Energy Aqueous Sodium-Ion Batteries. *Angewandte Chemie*, **2021**, 133, 12050-12055	3.6	2
126	Challenges and Recent Progress on Key Materials for Rechargeable Magnesium Batteries. *Advanced Energy Materials*, **2021**, 11, 2000787	21.8	51
125	High Areal Capacity Dendrite-Free Li Anode Enabled by Metal□Organic Framework-Derived Nanorod Array Modified Carbon Cloth for Solid State Li Metal Batteries. *Advanced Functional Materials*, **2021**, 31, 2001973	15.6	41
124	Recent advances in electrospun electrode materials for sodium-ion batteries. *Journal of Energy Chemistry*, **2021**, 54, 225-241	12	34
123	Asymmetric Polymer Electrolyte Constructed by Metal□Organic Framework for Solid-State, Dendrite-Free Lithium Metal Battery. *Advanced Functional Materials*, **2021**, 31, 2007198	15.6	72
122	Current state-of-the-art characterization techniques for probing the layered oxide cathode materials of sodium-ion batteries. *Energy Storage Materials*, **2021**, 35, 400-430	19.4	19
121	A comprehensive understanding of the anionic redox chemistry in layered oxide cathodes for sodium-ion batteries. *Science China Chemistry*, **2021**, 64, 385-402	7.9	15
120	High-performance aqueous Zn□MnO2 batteries enabled by the coupling engineering of K+ pre-intercalation and oxygen defects. *Journal of Materials Chemistry A*, **2021**, 9, 15637-15647	13	7
119	Carbon Cloth: High Areal Capacity Dendrite-Free Li Anode Enabled by Metal□Organic Framework-Derived Nanorod Array Modified Carbon Cloth for Solid State Li Metal Batteries (Adv. Funct. Mater. 2/2021). *Advanced Functional Materials*, **2021**, 31, 2170013	15.6	1
118	In situ generation of a soft□tough asymmetric composite electrolyte for dendrite-free lithium metal batteries. *Journal of Materials Chemistry A*, **2021**, 9, 4018-4025	13	12
117	Boosting oxygen evolution reaction activity by tailoring MOF-derived hierarchical Co-Ni alloy nanoparticles encapsulated in nitrogen-doped carbon frameworks.. *RSC Advances*, **2021**, 11, 10874-10880	3.7	5
116	Sandwich-Like Heterostructures of MoS /Graphene with Enlarged Interlayer Spacing and Enhanced Hydrophilicity as High-Performance Cathodes for Aqueous Zinc-Ion Batteries. *Advanced Materials*, **2021**, 33, e2007480	24	89

115	Molecular Engineering on MoS Enables Large Interlayers and Unlocked Basal Planes for High-Performance Aqueous Zn-Ion Storage. *Angewandte Chemie - International Edition*, **2021**, 60, 20286-20293	16.4	26
114	Molecular Engineering on MoS2 Enables Large Interlayers and Unlocked Basal Planes for High-Performance Aqueous Zn-Ion Storage. *Angewandte Chemie*, **2021**, 133, 20448-20455	3.6	14
113	Zinc anode stabilized by an organic-inorganic hybrid solid electrolyte interphase. *Energy Storage Materials*, **2021**, 43, 375-382	19.4	41
112	Boosting LiV(PO) cathode stability using a concentrated aqueous electrolyte for high-voltage zinc batteries. *Chemical Communications*, **2021**, 57, 4319-4322	5.8	29
111	Advanced characterizations and measurements for sodium-ion batteries with NASICON-type cathode materials. *EScience*, **2021**,		19
110	A three-dimensional interconnected V6O13 nest with a V5+-rich state for ultrahigh Zn ion storage. *Journal of Materials Chemistry A*, **2020**, 8, 10370-10376	13	39
109	A flexible self-charging sodium-ion full battery for self-powered wearable electronics. *Journal of Materials Chemistry A*, **2020**, 8, 13267-13276	13	11
108	Urchin-Like Fe Se Hierarchitectures: A Novel Pseudocapacitive Sodium-Ion Storage Anode with Prominent Rate and Cycling Properties. *Small*, **2020**, 16, e2000504	11	20
107	A Novel NASICON-Type Na MnCr(PO) Demonstrating the Energy Density Record of Phosphate Cathodes for Sodium-Ion Batteries. *Advanced Materials*, **2020**, 32, e1906348	24	66
106	Batteries: Prelithiated V2C MXene: A High-Performance Electrode for Hybrid Magnesium/Lithium-Ion Batteries by Ion Cointercalation (Small 8/2020). *Small*, **2020**, 16, 2070043	11	0
105	Regulating Uniform Li Plating/Stripping via Dual-Conductive Metal-Organic Frameworks for High-Rate Lithium Metal Batteries. *Advanced Functional Materials*, **2020**, 30, 2000786	15.6	71
104	Prelithiated V C MXene: A High-Performance Electrode for Hybrid Magnesium/Lithium-Ion Batteries by Ion Cointercalation. *Small*, **2020**, 16, e1906076	11	64
103	Solvent-Free Synthesis of Thin, Flexible, Nonflammable Garnet-Based Composite Solid Electrolyte for All-Solid-State Lithium Batteries. *Advanced Energy Materials*, **2020**, 10, 1903376	21.8	168
102	Dual Polymer/Liquid Electrolyte with BaTiO3 Electrode for Magnesium Batteries. *ACS Applied Energy Materials*, **2020**, 3, 5882-5892	6.1	10
101	Achieving the robust immobilization of CoP nanoparticles in cellulose nanofiber network-derived carbon chemical bonding for a stable potassium ion storage.. *RSC Advances*, **2020**, 10, 44611-44623	3.7	1
100	All-solid-state sodium batteries enabled by flexible composite electrolytes and plastic-crystal interphase. *Chemical Engineering Journal*, **2020**, 384, 123233	14.7	21
99	Hierarchical Engineering of Porous P2-Na2/3Ni1/3Mn2/3O2 Nanofibers Assembled by Nanoparticles Enables Superior Sodium-Ion Storage Cathodes. *Advanced Functional Materials*, **2020**, 30, 1907837	15.6	64
98	Long-Life Zinc/Vanadium Pentoxide Battery Enabled by a Concentrated Aqueous ZnSO4 Electrolyte with Proton and Zinc Ion Co-Intercalation. *ACS Applied Energy Materials*, **2020**, 3, 11183-11192	6.1	38

97	Dual-Strategy of Cation-Doping and Nanoengineering Enables Fast and Stable Sodium-Ion Storage in a Novel Fe/Mn-Based Layered Oxide Cathode. *Advanced Science*, **2020**, 7, 2002199	13.6	26
96	Self-Chargeable Flexible Solid-State Supercapacitors for Wearable Electronics. *ACS Applied Materials & Interfaces*, **2020**, 12, 44883-44891	9.5	13
95	Single-Crystal □FeO with Engineered Exposed (001) Facet for High-Rate, Long-Cycle-Life Lithium-Ion Battery Anode. *Inorganic Chemistry*, **2019**, 58, 12724-12732	5.1	16
94	High Capacity and Superior Cyclic Performances of All-Solid-State Lithium-Sulfur Batteries Enabled by a High-Conductivity LiSnPS Solid Electrolyte. *ACS Applied Materials & Interfaces*, **2019**, 11, 36774-36781	9.5	35
93	Hydrated Layered Vanadium Oxide as a Highly Reversible Cathode for Rechargeable Aqueous Zinc Batteries. *Advanced Functional Materials*, **2019**, 29, 1807331	15.6	217
92	Understanding the superior sodium-ion storage in a novel Na3.5Mn0.5V1.5(PO4)3 cathode. *Energy Storage Materials*, **2019**, 23, 25-34	19.4	40
91	Realizing a High-Performance Na-Storage Cathode by Tailoring Ultrasmall NaFePOF Nanoparticles with Facilitated Reaction Kinetics. *Advanced Science*, **2019**, 6, 1900649	13.6	40
90	Boosting fast and durable sodium-ion storage by tailoring well-shaped Na0.44MnO2 nanowires cathode. *Electrochimica Acta*, **2019**, 313, 122-130	6.7	19
89	Pursuit of a high-capacity and long-life Mg-storage cathode by tailoring sandwich-structured MXene@carbon nanosphere composites. *Journal of Materials Chemistry A*, **2019**, 7, 16712-16719	13	50
88	Intercalated Electrolyte with High Transference Number for Dendrite-Free Solid-State Lithium Batteries. *Advanced Functional Materials*, **2019**, 29, 1901047	15.6	178
87	Solid polymer electrolyte soft interface layer with 3D lithium anode for all-solid-state lithium batteries. *Energy Storage Materials*, **2019**, 17, 309-316	19.4	185
86	Ultrafast Rechargeable Zinc Battery Based on High-Voltage Graphite Cathode and Stable Nonaqueous Electrolyte. *ACS Applied Materials & Interfaces*, **2019**, 11, 32978-32986	9.5	49
85	Solid-State Lithium Batteries: Intercalated Electrolyte with High Transference Number for Dendrite-Free Solid-State Lithium Batteries (Adv. Funct. Mater. 28/2019). *Advanced Functional Materials*, **2019**, 29, 1970196	15.6	3
84	Two Birds with One Stone: Metal□Organic Framework Derived Micro-/Nanostructured Ni2P/Ni Hybrids Embedded in Porous Carbon for Electrocatalysis and Energy Storage. *Advanced Functional Materials*, **2019**, 29, 1901510	15.6	82
83	Early Lithium Plating Behavior in Confined Nanospace of 3D Lithiophilic Carbon Matrix for Stable Solid-State Lithium Metal Batteries. *Small*, **2019**, 15, e1904216	11	44
82	Solid-state lithium metal batteries enabled with high loading composite cathode materials and ceramic-based composite electrolytes. *Journal of Power Sources*, **2019**, 442, 227230	8.9	35
81	A scalable bio-inspired polydopamine-Cu ion interfacial layer for high-performance lithium metal anode. *Nano Research*, **2019**, 12, 2919-2924	10	10
80	Chemical Energy Release Driven Lithiophilic Layer on 1 m Commercial Brass Mesh toward Highly Stable Lithium Metal Batteries. *Nano Letters*, **2019**, 19, 1832-1837	11.5	82

79	Effect of oxygen-containing functional groups in epoxy/reduced graphene oxide composite coatings on corrosion protection and antimicrobial properties. *Applied Surface Science*, **2018**, 448, 351-361	6.7	55
78	3D porous binary-heteroatom doped carbon nanosheet/electrochemically exfoliated graphene hybrids for high performance flexible solid-state supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 8750-8756	13	31
77	Poly(ethylene carbonate)-based electrolytes with high concentration Li salt for all-solid-state lithium batteries. *Rare Metals*, **2018**, 37, 488-496	5.5	20
76	3D Flexible Carbon Felt Host for Highly Stable Sodium Metal Anodes. *Advanced Energy Materials*, **2018**, 8, 1702764	21.8	207
75	3D Fiber-Network-Reinforced Bicontinuous Composite Solid Electrolyte for Dendrite-free Lithium Metal Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 7069-7078	9.5	200
74	Self-standing Na-storage anode of Fe2O3 nanodots encapsulated in porous N-doped carbon nanofibers with ultra-high cyclic stability. *Nano Research*, **2018**, 11, 4026-4037	10	35
73	Co2P nanoparticles encapsulated in 3D porous N-doped carbon nanosheet networks as an anode for high-performance sodium-ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 2139-2147	13	77
72	Reverse microemulsion synthesis of nickel-cobalt hexacyanoferrate/reduced graphene oxide nanocomposites for high-performance supercapacitors and sodium ion batteries. *Applied Surface Science*, **2018**, 434, 1285-1292	6.7	56
71	Facile synthesis of three-dimensional porous carbon networks for highly stable sodium storage. *Ionics*, **2018**, 24, 3065-3073	2.7	3
70	Ultrasmall Sn nanoparticles embedded in spherical hollow carbon for enhanced lithium storage properties. *Chemical Communications*, **2018**, 54, 1205-1208	5.8	51
69	Immobilization of tungsten disulfide nanosheets on active carbon fibers as electrode materials for high performance quasi-solid-state asymmetric supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 7835-7841	13	27
68	In situ synthesis of a highly active Na2Ti3O7 nanosheet on an activated carbon fiber as an anode for high-energy density supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 16186-16195	13	42
67	Flexible poly(ethylene carbonate)/garnet composite solid electrolyte reinforced by poly(vinylidene fluoride-hexafluoropropylene) for lithium metal batteries. *Journal of Power Sources*, **2018**, 392, 232-238	8.9	81
66	Biowaste-derived 3D honeycomb-like porous carbon with binary-heteroatom doping for high-performance flexible solid-state supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 160-166	13	106
65	MOF-derived and nitrogen-doped ZnSe polyhedra encapsulated by reduced graphene oxide as the anode for lithium and sodium storage. *Journal of Materials Chemistry A*, **2018**, 6, 23621-23627	13	71
64	Approaching the Downsizing Limit of Maricite NaFePO4 toward High-Performance Cathode for Sodium-Ion Batteries. *Advanced Functional Materials*, **2018**, 28, 1801917	15.6	92
63	Rechargeable Aqueous Zn/V2O5 Battery with High Energy Density and Long Cycle Life. *ACS Energy Letters*, **2018**, 3, 1366-1372	20.1	486
62	Dendrite-free Na metal plating/stripping onto 3D porous Cu hosts. *Energy Storage Materials*, **2018**, 15, 274-281	19.4	77

61	Synergistic effects of des tabilization, catalysis and nanoconfinement on dehydrogenation of LiBH4. *International Journal of Hydrogen Energy*, **2017**, 42, 1354-1360	6.7	9
60	Three-dimensional porous carbon-coated graphene composite as high-stable and long-life anode for sodium-ion batteries. *Chemical Engineering Journal*, **2017**, 316, 645-654	14.7	41
59	A wearable microwave absorption cloth. *Journal of Materials Chemistry C*, **2017**, 5, 2432-2441	7.1	74
58	Electrospun NaVPO4F/C Nanofibers as Self-Standing Cathode Material for Ultralong Cycle Life Na-Ion Batteries. *Advanced Energy Materials*, **2017**, 7, 1700087	21.8	150
57	Prestoring Lithium into Stable 3D Nickel Foam Host as Dendrite-Free Lithium Metal Anode. *Advanced Functional Materials*, **2017**, 27, 1700348	15.6	500
56	Research and application progress on key materials for sodium-ion batteries. *Sustainable Energy and Fuels*, **2017**, 1, 986-1006	5.8	55
55	A free-standing and thermostable polymer/plastic crystal electrolyte for all-solid-state lithium batteries. *Ionics*, **2017**, 23, 3339-3345	2.7	5
54	Graphene and polydopamine double-wrapped porous carbon-sulfur cathode materials for lithium-sulfur batteries with high capacity and cycling stability. *Ionics*, **2017**, 23, 3329-3337	2.7	3
53	Graphene highly scattered in porous carbon nanofibers: a binder-free and high-performance anode for sodium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 1698-1705	13	75
52	Enhanced dehydrogenation performance of LiBH4 by confinement in porous NiMnO3 microspheres. *International Journal of Hydrogen Energy*, **2017**, 42, 25824-25830	6.7	6
51	A simple strategy toward hierarchically porous graphene/nitrogen-rich carbon foams for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2017**, 5, 24178-24184	13	29
50	Red phosphorus nanoparticles embedded in porous N-doped carbon nanofibers as high-performance anode for sodium-ion batteries. *Energy Storage Materials*, **2017**, 9, 170-178	19.4	103
49	Hierarchical porous NiCo2S4-rGO composites for high-performance supercapacitors. *Electrochimica Acta*, **2017**, 249, 1-8	6.7	78
48	Batteries: Prestoring Lithium into Stable 3D Nickel Foam Host as Dendrite-Free Lithium Metal Anode (Adv. Funct. Mater. 24/2017). *Advanced Functional Materials*, **2017**, 27,	15.6	4
47	MOF-derived CoSe2 microspheres with hollow interiors as high-performance electrocatalysts for the enhanced oxygen evolution reaction. *Journal of Materials Chemistry A*, **2017**, 5, 15310-15314	13	123
46	Enhanced Interface Stability of Polymer Electrolytes Using Organic Cage-Type Cucurbit[6]uril for Lithium Metal Batteries. *Journal of the Electrochemical Society*, **2017**, 164, A1834-A1840	3.9	15
45	Graphene intercalated in graphene-like MoS2: A promising cathode for rechargeable Mg batteries. *Journal of Power Sources*, **2017**, 340, 104-110	8.9	54
44	Cation-Deficient Spinel ZnMnO Cathode in Zn(CFSO) Electrolyte for Rechargeable Aqueous Zn-Ion Battery. *Journal of the American Chemical Society*, **2016**, 138, 12894-12901	16.4	1011

43	Sodium Ion Batteries: CuO Quantum Dots Embedded in Carbon Nanofibers as Binder-Free Anode for Sodium Ion Batteries with Enhanced Properties (Small 35/2016). *Small*, **2016**, 12, 4776-4776	11	4
42	Nitrogen-doped hierarchically porous carbon derived from ZIF-8 and its improved effect on the dehydrogenation of LiBH4. *International Journal of Hydrogen Energy*, **2016**, 41, 17175-17182	6.7	18
41	Design, synthesis, and energy-related applications of metal sulfides. *Materials Horizons*, **2016**, 3, 402-421	14.4	190
40	Strong and thermostable polymeric graphene/silica textile for lightweight practical microwave absorption composites. *Carbon*, **2016**, 100, 109-117	10.4	160
39	CuO Quantum Dots Embedded in Carbon Nanofibers as Binder-Free Anode for Sodium Ion Batteries with Enhanced Properties. *Small*, **2016**, 12, 4865-4872	11	82
38	MnFe2O4@C Nanofibers as High-Performance Anode for Sodium-Ion Batteries. *Nano Letters*, **2016**, 16, 3321-8	11.5	283
37	Confined Porous Graphene/SnOx Frameworks within Polyaniline-Derived Carbon as Highly Stable Lithium-Ion Battery Anodes. *ACS Applied Materials & Interfaces*, **2016**, 8, 13410-7	9.5	32
36	Reconstruction of Mini-Hollow Polyhedron MnO Derived from MOFs as a High-Performance Lithium Anode Material. *Advanced Science*, **2016**, 3, 1500185	13.6	70
35	Energy Storage: Ultrasmall Sn Nanoparticles Embedded in Carbon as High-Performance Anode for Sodium-Ion Batteries (Adv. Funct. Mater. 2/2015). *Advanced Functional Materials*, **2015**, 25, 340-340	15.6	3
34	Ultra-High Capacity Lithium-Ion Batteries with Hierarchical CoO Nanowire Clusters as Binder Free Electrodes. *Advanced Functional Materials*, **2015**, 25, 1082-1089	15.6	222
33	Update on anode materials for Na-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 17899-17913	13	341
32	NaV3O8 nanosheet@polypyrrole core-shell composites with good electrochemical performance as cathodes for Na-ion batteries. *Nanoscale*, **2015**, 7, 9261-7	7.7	33
31	Highly stable GeOx@C core–shell fibrous anodes for improved capacity in lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 19907-19912	13	31
30	Spherical nano-Sb@C composite as a high-rate and ultra-stable anode material for sodium-ion batteries. *Nano Research*, **2015**, 8, 3384-3393	10	145
29	Hollow Core-Shell SnO2/C Fibers as Highly Stable Anodes for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 21472-8	9.5	116
28	Facile synthesis of hierarchical porous ZnCo2O4 microspheres for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 982-985	13	120
27	3D Hierarchical Porous α-Fe2O3 Nanosheets for High-Performance Lithium-Ion Batteries. *Advanced Energy Materials*, **2015**, 5, 1401421	21.8	267
26	Double shelled hollow SnO2/polymer microsphere as a high-capacity anode material for superior reversible lithium ion storage. *Journal of Materials Chemistry A*, **2015**, 3, 1068-1076	13	48

25	3D Porous □Fe2O3@C Nanocomposite as High-Performance Anode Material of Na-Ion Batteries. *Advanced Energy Materials*, **2015**, 5, 1401123	21.8	285
24	Exfoliated-SnS□restacked on graphene as a high-capacity, high-rate, and long-cycle life anode for sodium ion batteries. *Nanoscale*, **2015**, 7, 1325-32	7.7	229
23	High nitrogen-containing cotton derived 3D porous carbon frameworks for high-performance supercapacitors. *Scientific Reports*, **2015**, 5, 15388	4.9	38
22	Enhanced rate performance of lithium titanium oxide anode material by bromine doping. *Ionics*, **2015**, 21, 3169-3176	2.7	13
21	WS2 Nanowires as a High-Performance Anode for Sodium-Ion Batteries. *Chemistry - A European Journal*, **2015**, 21, 11878-84	4.8	135
20	Tin Nanodots Encapsulated in Porous Nitrogen-Doped Carbon Nanofibers as a Free-Standing Anode for Advanced Sodium-Ion Batteries. *Advanced Materials*, **2015**, 27, 6702-7	24	445
19	Lithium-ion Batteries: 3D Hierarchical Porous □Fe2O3 Nanosheets for High-Performance Lithium-Ion Batteries (Adv. Energy Mater. 4/2015). *Advanced Energy Materials*, **2015**, 5,	21.8	5
18	Improved dehydrogenation performance of LiBH4 by 3D hierarchical flower-like MoS2 spheres additives. *Journal of Power Sources*, **2015**, 300, 358-364	8.9	29
17	Ultrasmall Sn Nanoparticles Embedded in Carbon as High-Performance Anode for Sodium-Ion Batteries. *Advanced Functional Materials*, **2015**, 25, 214-220	15.6	443
16	A graphene-like MoS2/graphene nanocomposite as a highperformance anode for lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 13109-13115	13	210
15	Facile fabrication of pompon-like hierarchical CuO hollow microspheres for high-performance lithium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 1224-1229	13	72
14	Improved dehydrogenation performance of LiBH4 by confinement into porous TiO2 micro-tubes. *Journal of Materials Chemistry A*, **2014**, 2, 9244-9250	13	30
13	A synergistic effect between nanoconfinement of carbon aerogels and catalysis of CoNiB nanoparticles on dehydrogenation of LiBH4. *International Journal of Hydrogen Energy*, **2014**, 39, 917-926	6.7	32
12	Highly ordered porous carbon/wax composites for effective electromagnetic attenuation and shielding. *Carbon*, **2014**, 77, 130-142	10.4	242
11	One-pot synthesis of three-dimensional SnS2 hierarchitectures as anode material for lithium-ion batteries. *Journal of Power Sources*, **2013**, 239, 89-93	8.9	97
10	Synthesis and characterization of Li2FeP2O7/C nanocomposites as cathode materials for Li-ion batteries. *Electrochimica Acta*, **2013**, 103, 219-225	6.7	32
9	Synthesis of rGO-supported layered MoS2 for high-performance rechargeable Mg batteries. *Nanoscale*, **2013**, 5, 9562-7	7.7	100
8	Sandwich-structured graphene-like MoS2/C microspheres for rechargeable Mg batteries. *Journal of Materials Chemistry A*, **2013**, 1, 5822	13	114

7	Mesoporous LiFePO4 microspheres for rechargeable lithium-ion batteries. *Electrochimica Acta*, **2013**, 98, 288-293	6.7	31
6	Density functional theory studies on the B-containing lithium salts. *Ionics*, **2010**, 16, 509-513	2.7	14
5	Challenges, interface engineering, and processing strategies toward practical sulfide-based all-solid-state lithium batteries. *Informa Materily*,	23.1	9
4	Tailoring inorganic olymer composites for the mass production of solid-state batteries. *Nature Reviews Materials*,	73.3	82
3	Transition-Metal Vacancy Manufacturing and Sodium-Site Doping Enable a High-Performance Layered Oxide Cathode through Cationic and Anionic Redox Chemistry. *Advanced Functional Materials*,2106923	15.6	11
2	Unexpected Role of the Interlayer ead Zn 2+ n Strengthening the Nanostructures of VS 2 Cathodes for High-Performance Aqueous Zn-Ion Storage. *Advanced Energy Materials*,2104001	21.8	9
1	Unveiling the Complementary Manganese and Oxygen Redox Chemistry for Stabilizing the Sodium-Ion Storage Behaviors of Layered Oxide Cathodes. *Advanced Functional Materials*,2203424	15.6	7