Yongchang Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1489954/publications.pdf

Version: 2024-02-01

140 papers	16,656 citations	12322 69 h-index	15249 126 g-index
142 all docs	142 docs citations	142 times ranked	13596 citing authors

#	Article	IF	Citations
1	Cation-Deficient Spinel ZnMn₂O₄ Cathode in Zn(CF₃SO₃)₂ Electrolyte for Rechargeable Aqueous Zn-Ion Battery. Journal of the American Chemical Society, 2016, 138, 12894-12901.	6.6	1,451
2	Rechargeable Aqueous Znâ€“V₂O₅ Battery with High Energy Density and Long Cycle Life. ACS Energy Letters, 2018, 3, 1366-1372.	8.8	766
3	Prestoring Lithium into Stable 3D Nickel Foam Host as Dendriteâ€Free Lithium Metal Anode. Advanced Functional Materials, 2017, 27, 1700348.	7.8	686
4	Tin Nanodots Encapsulated in Porous Nitrogenâ€Doped Carbon Nanofibers as a Freeâ€Standing Anode for Advanced Sodiumâ€Ion Batteries. Advanced Materials, 2015, 27, 6702-6707.	11.1	534
5	Ultrasmall Sn Nanoparticles Embedded in Carbon as Highâ€Performance Anode for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2015, 25, 214-220.	7.8	498
6	Tailoring inorganicâ€“polymer composites for the mass production of solid-state batteries. Nature Reviews Materials, 2021, 6, 1003-1019.	23.3	409
7	Update on anode materials for Na-ion batteries. Journal of Materials Chemistry A, 2015, 3, 17899-17913.	5.2	408
8	Hydrated Layered Vanadium Oxide as a Highly Reversible Cathode for Rechargeable Aqueous Zinc Batteries. Advanced Functional Materials, 2019, 29, 1807331.	7.8	359
9	MnFe₂O₄@C Nanofibers as High-Performance Anode for Sodium-Ion Batteries. Nano Letters, 2016, 16, 3321-3328.	4.5	348
10	3D Hierarchical Porous Î±â€Fe₂O₃ Nanosheets for Highâ€Performance Lithiumâ€Ion Batteries. Advanced Energy Materials, 2015, 5, 1401421.	10.2	321
11	3D Porous Î³â€Fe₂O₃@C Nanocomposite as Highâ€Performance Anode Material of Naâ€Ion Batteries. Advanced Energy Materials, 2015, 5, 1401123.	10.2	320
12	3D Fiber-Network-Reinforced Bicontinuous Composite Solid Electrolyte for Dendrite-free Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2018, 10, 7069-7078.	4.0	318
13	Solventâ€Free Synthesis of Thin, Flexible, Nonflammable Garnetâ€Based Composite Solid Electrolyte for Allâ€Solidâ€State Lithium Batteries. Advanced Energy Materials, 2020, 10, 1903376.	10.2	284
14	Solid polymer electrolyte soft interface layer with 3D lithium anode for all-solid-state lithium batteries. Energy Storage Materials, 2019, 17, 309-316.	9.5	279
15	3D Flexible Carbon Felt Host for Highly Stable Sodium Metal Anodes. Advanced Energy Materials, 2018, 8, 1702764.	10.2	274
16	Highly ordered porous carbon/wax composites for effective electromagnetic attenuation and shielding. Carbon, 2014, 77, 130-142.	5.4	271
17	Intercalated Electrolyte with High Transference Number for Dendriteâ€Free Solidâ€State Lithium Batteries. Advanced Functional Materials, 2019, 29, 1901047.	7.8	266
18	Exfoliated-SnS₂ restacked on graphene as a high-capacity, high-rate, and long-cycle life anode for sodium ion batteries. Nanoscale, 2015, 7, 1325-1332.	2.8	262

#	Article	IF	Citations
19	Design, synthesis, and energy-related applications of metal sulfides. Materials Horizons, 2016, 3, 402-421.	6.4	243
20	Sandwichâ€Like Heterostructures of MoS₂/Graphene with Enlarged Interlayer Spacing and Enhanced Hydrophilicity as Highâ€Performance Cathodes for Aqueous Zincâ€Ion Batteries. Advanced Materials, 2021, 33, e2007480.	11.1	241
21	A graphene-like MoS₂/graphene nanocomposite as a highperformance anode for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 13109-13115.	5.2	238
22	Ultraâ€High Capacity Lithiumâ€Ion Batteries with Hierarchical CoO Nanowire Clusters as Binder Free Electrodes. Advanced Functional Materials, 2015, 25, 1082-1089.	7.8	237
23	Electrospun NaVPO₄F/C Nanofibers as Selfâ€Standing Cathode Material for Ultralong Cycle Life Naâ€Ion Batteries. Advanced Energy Materials, 2017, 7, 1700087.	10.2	209
24	Strong and thermostable polymeric graphene/silica textile for lightweight practical microwave absorption composites. Carbon, 2016, 100, 109-117.	5.4	195
25	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.	5.2	174
26	WS₂ Nanowires as a Highâ€Performance Anode for Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2015, 21, 11878-11884.	1.7	167
27	Spherical nano-Sb@C composite as a high-rate and ultra-stable anode material for sodium-ion batteries. Nano Research, 2015, 8, 3384-3393.	5.8	165
28	Advanced characterizations and measurements for sodium-ion batteries with NASICON-type cathode materials. EScience, 2022, 2, 10-31.	25.0	151
29	Zinc anode stabilized by an organic-inorganic hybrid solid electrolyte interphase. Energy Storage Materials, 2021, 43, 375-382.	9.5	149
30	Approaching the Downsizing Limit of Maricite NaFePO₄ toward Highâ€Performance Cathode for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2018, 28, 1801917.	7.8	142
31	A Novel NASICONâ€Type Na₄MnCr(PO₄)₃ Demonstrating the Energy Density Record of Phosphate Cathodes for Sodiumâ€Ion Batteries. Advanced Materials, 2020, 32, e1906348.	11.1	142
32	Molecular Engineering on MoS₂ Enables Large Interlayers and Unlocked Basal Planes for Highâ€Performance Aqueous Znâ€Ion Storage. Angewandte Chemie - International Edition, 2021, 60, 20286-20293.	7.2	141
33	Two Birds with One Stone: Metalâ€“Organic Framework Derived Microâ€/Nanostructured Ni₂P/Ni Hybrids Embedded in Porous Carbon for Electrocatalysis and Energy Storage. Advanced Functional Materials, 2019, 29, 1901510.	7.8	140
34	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.	5.2	139
35	Facile synthesis of hierarchical porous ZnCo₂O₄ microspheres for high-performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 982-985.	5.2	135
36	Sandwich-structured graphene-like MoS2/C microspheres for rechargeable Mg batteries. Journal of Materials Chemistry A, 2013, 1, 5822.	5.2	132

#	Article	IF	Citations
37	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.	9.5	129
38	Chemical Energy Release Driven Lithiophilic Layer on 1 m² Commercial Brass Mesh toward Highly Stable Lithium Metal Batteries. Nano Letters, 2019, 19, 1832-1837.	4.5	128
39	Challenges and Recent Progress on Key Materials for Rechargeable Magnesium Batteries. Advanced Energy Materials, 2021, 11, 2000787.	10.2	126
40	Synthesis of rGO-supported layered MoS2 for high-performance rechargeable Mg batteries. Nanoscale, 2013, 5, 9562.	2.8	123
41	Hollow Coreâ€“Shell SnO₂/C Fibers as Highly Stable Anodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 21472-21478.	4.0	123
42	Asymmetric Polymer Electrolyte Constructed by Metalâ€“Organic Framework for Solidâ€State, Dendriteâ€Free Lithium Metal Battery. Advanced Functional Materials, 2021, 31, 2007198.	7.8	123
43	Flexible poly(ethylene carbonate)/garnet composite solid electrolyte reinforced by poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlo 232-238.	4.0	121
44	Dendrite-free Na metal plating/stripping onto 3D porous Cu hosts. Energy Storage Materials, 2018, 15, 274-281.	9.5	118
45	Hierarchical Engineering of Porous P2â€Na_{2/3}Ni_{1/3}Mn_{2/3}O₂ Nanofibers Assembled by Nanoparticles Enables Superior Sodiumâ€Ion Storage Cathodes. Advanced Functional Materials, 2020, 30, 1907837.	7.8	117
46	Regulating Uniform Li Plating/Stripping via Dualâ€Conductive Metalâ€Organic Frameworks for Highâ€Rate Lithium Metal Batteries. Advanced Functional Materials, 2020, 30, 2000786.	7.8	114
47	One-pot synthesis of three-dimensional SnS2 hierarchitectures as anode material for lithium-ion batteries. Journal of Power Sources, 2013, 239, 89-93.	4.0	108
48	Hierarchical porous NiCo2S4-rGO composites for high-performance supercapacitors. Electrochimica Acta, 2017, 249, 1-8.	2.6	106
49	CuO Quantum Dots Embedded in Carbon Nanofibers as Binderâ€Free Anode for Sodium Ion Batteries with Enhanced Properties. Small, 2016, 12, 4865-4872.	5.2	105
50	Prelithiated V₂C MXene: A Highâ€Performance Electrode for Hybrid Magnesium/Lithiumâ€Ion Batteries by Ion Cointercalation. Small, 2020, 16, e1906076.	5.2	105
51	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.	5.2	101
52	A wearable microwave absorption cloth. Journal of Materials Chemistry C, 2017, 5, 2432-2441.	2.7	100
53	Highâ€Energy Aqueous Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, 11943-11948.	7.2	100
54	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.	5.2	92

#	Article	IF	Citations
55	Challenges, interface engineering, and processing strategies toward practical <scp>sulfideâ€based allâ€solidâ€state</scp> lithium batteries. InformaÄ•nÃ-MateriÃ¡ly, 2022, 4, .	8.5	92
56	Recent advances in electrospun electrode materials for sodium-ion batteries. Journal of Energy Chemistry, 2021, 54, 225-241.	7.1	91
57	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.	5.2	86
58	Reconstruction of Miniâ€Hollow Polyhedron Mn₂O₃ Derived from MOFs as a Highâ€Performance Lithium Anode Material. Advanced Science, 2016, 3, 1500185.	5.6	83
59	Dualâ€Strategy of Cationâ€Doping and Nanoengineering Enables Fast and Stable Sodiumâ€Ion Storage in a Novel Fe/Mnâ€Based Layered Oxide Cathode. Advanced Science, 2020, 7, 2002199.	5.6	83
60	Research and application progress on key materials for sodium-ion batteries. Sustainable Energy and Fuels, 2017, 1, 986-1006.	2.5	82
61	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.	2.5	82
62	Understanding the superior sodium-ion storage in a novel Na3.5Mn0.5V1.5(PO4)3 cathode. Energy Storage Materials, 2019, 23, 25-34.	9.5	81
63	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.	5.2	81
64	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.	3.1	78
65	Facile fabrication of pompon-like hierarchical CuO hollow microspheres for high-performance lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 1224-1229.	5.2	77
66	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.	5.2	77
67	High Areal Capacity Dendriteâ€Free Li Anode Enabled by Metalâ€“Organic Frameworkâ€Derived Nanorod Array Modified Carbon Cloth for Solid State Li Metal Batteries. Advanced Functional Materials, 2021, 31, 2001973.	7.8	76
68	Ultrafast Rechargeable Zinc Battery Based on High-Voltage Graphite Cathode and Stable Nonaqueous Electrolyte. ACS Applied Materials & Interfaces, 2019, 11, 32978-32986.	4.0	75
69	Realizing a Highâ€Performance Naâ€Storage Cathode by Tailoring Ultrasmall Na₂FePO₄F Nanoparticles with Facilitated Reaction Kinetics. Advanced Science, 2019, 6, 1900649.	5.6	74
70	Unexpected Role of the Interlayer â€œDead Zn²⁺â€•in Strengthening the Nanostructures of VS₂ Cathodes for Highâ€Performance Aqueous Znâ€Ion Storage. Advanced Energy Materials, 2022, 12, .	10.2	74
71	Graphene intercalated in graphene-like MoS 2 : A promising cathode for rechargeable Mg batteries. Journal of Power Sources, 2017, 340, 104-110.	4.0	73
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.	3.1	71

#	Article	IF	Citations
73	High Capacity and Superior Cyclic Performances of All-Solid-State Lithiumâ€“Sulfur Batteries Enabled by a High-Conductivity Li₁₀SnP₂S₁₂ Solid Electrolyte. ACS Applied Materials & Interfaces, 2019, 11, 36774-36781.	4.0	65
74	Self-Propagating Enabling High Lithium Metal Utilization Ratio Composite Anodes for Lithium Metal Batteries. Nano Letters, 2021, 21, 791-797.	4.5	63
75	Solid-state lithium metal batteries enabled with high loading composite cathode materials and ceramic-based composite electrolytes. Journal of Power Sources, 2019, 442, 227230.	4.0	62
76	Early Lithium Plating Behavior in Confined Nanospace of 3D Lithiophilic Carbon Matrix for Stable Solidâ€State Lithium Metal Batteries. Small, 2019, 15, e1904216.	5.2	61
77	Boosting Li₃V₂(PO₄)₃ cathode stability using a concentrated aqueous electrolyte for high-voltage zinc batteries. Chemical Communications, 2021, 57, 4319-4322.	2.2	61
78	Ultrasmall Sn nanoparticles embedded in spherical hollow carbon for enhanced lithium storage properties. Chemical Communications, 2018, 54, 1205-1208.	2.2	60
79	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.	5.2	54
80	All-solid-state sodium batteries enabled by flexible composite electrolytes and plastic-crystal interphase. Chemical Engineering Journal, 2020, 384, 123233.	6.6	53
81	Molecular Engineering on MoS₂ Enables Large Interlayers and Unlocked Basal Planes for Highâ€Performance Aqueous Znâ€Ion Storage. Angewandte Chemie, 2021, 133, 20448-20455.	1.6	52
82	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.	5.2	51
83	Transitionâ€Metal Vacancy Manufacturing and Sodiumâ€Site Doping Enable a Highâ€Performance Layered Oxide Cathode through Cationic and Anionic Redox Chemistry. Advanced Functional Materials, 2021, 31, 2106923.	7.8	50
84	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.	6.6	49
85	Reaction kinetics in rechargeable zinc-ion batteries. Journal of Power Sources, 2021, 492, 229655.	4.0	48
86	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.	5.8	46
87	High-performance aqueous Znâ€“MnO₂ batteries enabled by the coupling engineering of K⁺ pre-intercalation and oxygen defects. Journal of Materials Chemistry A, 2021, 9, 15637-15647.	5.2	46
88	NaV₃O₈ nanosheet@polypyrrole coreâ€“shell composites with good electrochemical performance as cathodes for Na-ion batteries. Nanoscale, 2015, 7, 9261-9267.	2.8	45
89	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.	9.5	45
90	High nitrogen-containing cotton derived 3D porous carbon frameworks for high-performance supercapacitors. Scientific Reports, 2015, 5, 15388.	1.6	44

#	Article	IF	Citations
91	Improved dehydrogenation performance of LiBH₄ by confinement into porous TiO₂ micro-tubes. Journal of Materials Chemistry A, 2014, 2, 9244-9250.	5.2	40
92	A comprehensive understanding of the anionic redox chemistry in layered oxide cathodes for sodium-ion batteries. Science China Chemistry, 2021, 64, 385-402.	4.2	40
93	Urchinâ€Like Fe₃Se₄ Hierarchitectures: A Novel Pseudocapacitive Sodiumâ€Ion Storage Anode with Prominent Rate and Cycling Properties. Small, 2020, 16, e2000504.	5.2	39
94	Confining Pyrrhotite Fe₇S₈ in Carbon Nanotubes Covalently Bonded onto 3D Fewâ€Layer Graphene Boosts Potassiumâ€Ion Storage and Fullâ€Cell Applications. Small, 2021, 17, e2006719.	5.2	39
95	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.	9.5	39
96	Confined Porous Graphene/SnO_x Frameworks within Polyaniline-Derived Carbon as Highly Stable Lithium-Ion Battery Anodes. ACS Applied Materials & Interfaces, 2016, 8, 13410-13417.	4.0	38
97	Synthesis and characterization of Li2FeP2O7/C nanocomposites as cathode materials for Li-ion batteries. Electrochimica Acta, 2013, 103, 219-225.	2.6	37
98	Highly stable GeO_x@C coreâ€“shell fibrous anodes for improved capacity in lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 19907-19912.	5.2	37
99	A simple strategy toward hierarchically porous graphene/nitrogen-rich carbon foams for high-performance supercapacitors. Journal of Materials Chemistry A, 2017, 5, 24178-24184.	5.2	37
100	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.	5.2	37
101	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.	5.2	37
102	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.	3.8	36
103	Improved dehydrogenation performance of LiBH4 by 3D hierarchical flower-like MoS2 spheres additives. Journal of Power Sources, 2015, 300, 358-364.	4.0	36
104	Single-Crystal Î±-Fe₂O₃ with Engineered Exposed (001) Facet for High-Rate, Long-Cycle-Life Lithium-Ion Battery Anode. Inorganic Chemistry, 2019, 58, 12724-12732.	1.9	34
105	Boosting fast and durable sodium-ion storage by tailoring well-shaped Na0.44MnO2 nanowires cathode. Electrochimica Acta, 2019, 313, 122-130.	2.6	34
106	In situ generation of a softâ€“tough asymmetric composite electrolyte for dendrite-free lithium metal batteries. Journal of Materials Chemistry A, 2021, 9, 4018-4025.	5.2	34
107	Unveiling the Complementary Manganese and Oxygen Redox Chemistry for Stabilizing the Sodiumâ€Ion Storage Behaviors of Layered Oxide Cathodes. Advanced Functional Materials, 2022, 32, .	7.8	34
108	Mesoporous LiFePO4 microspheres for rechargeable lithium-ion batteries. Electrochimica Acta, 2013, 98, 288-293.	2.6	32

#	Article	IF	Citations
109	Self-Chargeable Flexible Solid-State Supercapacitors for Wearable Electronics. ACS Applied Materials & Interfaces, 2020, 12, 44883-44891.	4.0	32
110	Dual Polymer/Liquid Electrolyte with BaTiO₃ Electrode for Magnesium Batteries. ACS Applied Energy Materials, 2020, 3, 5882-5892.	2.5	26
111	Poly(ethylene carbonate)-based electrolytes with high concentration Li salt for all-solid-state lithium batteries. Rare Metals, 2018, 37, 488-496.	3.6	24
112	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.	3.8	22
113	A flexible self-charging sodium-ion full battery for self-powered wearable electronics. Journal of Materials Chemistry A, 2020, 8, 13267-13276.	5.2	22
114	Stabilized Multiâ€Electron Reactions in a Highâ€Energy Na₄Mn_{0.9}CrMg_{0.1}(PO₄)₃ Sodiumâ€Storage Cathode Enabled by the Pinning Effect. Small, 2022, 18, .	5.2	21
115	Boosting Aqueous Zn/MnO₂ Batteries via a Synergy of Edge/Defect-Rich Cathode and Dendrite-Free Anode. ACS Applied Materials & Interfaces, 2022, 14, 4316-4325.	4.0	20
116	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.	1.3	17
117	Density functional theory studies on the B-containing lithium salts. Ionics, 2010, 16, 509-513.	1.2	16
118	A scalable bio-inspired polydopamine-Cu ion interfacial layer for high-performance lithium metal anode. Nano Research, 2019, 12, 2919-2924.	5.8	16
119	Enhanced rate performance of lithium titanium oxide anode material by bromine doping. Ionics, 2015, 21, 3169-3176.	1.2	15
120	Confined Lithium Deposition Triggered by an Integrated Gradient Scaffold for a Lithium-Metal Anode. ACS Applied Materials & Interfaces, 2022, 14, 17539-17546.	4.0	15
121	Highâ€Energy Aqueous Sodiumâ€Ion Batteries. Angewandte Chemie, 2021, 133, 12050-12055.	1.6	13
122	Synergistic effects of des tabilization, catalysis and nanoconfinement on dehydrogenation of LiBH4. International Journal of Hydrogen Energy, 2017, 42, 1354-1360.	3.8	10
123	Enhanced dehydrogenation performance of LiBH4 by confinement in porous NiMnO3 microspheres. International Journal of Hydrogen Energy, 2017, 42, 25824-25830.	3.8	10
124	Boosting oxygen evolution reaction activity by tailoring MOF-derived hierarchical Coâ€“Ni alloy nanoparticles encapsulated in nitrogen-doped carbon frameworks. RSC Advances, 2021, 11, 10874-10880.	1.7	9
125	Recent Advances and Perspectives of Air Stable Sulfideâ€Based Solid Electrolytes for Allâ€Solidâ€State Lithium Batteries. Chemical Record, 2022, 22, .	2.9	9
126	Sodium Ion Batteries: CuO Quantum Dots Embedded in Carbon Nanofibers as Binderâ€Free Anode for Sodium Ion Batteries with Enhanced Properties (Small 35/2016). Small, 2016, 12, 4776-4776.	5.2	7

#	Article	IF	Citations
127	A free-standing and thermostable polymer/plastic crystal electrolyte for all-solid-state lithium batteries. Ionics, 2017, 23, 3339-3345.	1.2	6
128	Achieving the robust immobilization of CoP nanoparticles in cellulose nanofiber network-derived carbon via chemical bonding for a stable potassium ion storage. RSC Advances, 2020, 10, 44611-44623.	1.7	6
129	Lithium-ion Batteries: 3D Hierarchical Porous Î±-Fe2O3Nanosheets for High-Performance Lithium-Ion Batteries (Adv. Energy Mater. 4/2015). Advanced Energy Materials, 2015, 5, .	10.2	5
130	Batteries: Prestoring Lithium into Stable 3D Nickel Foam Host as Dendriteâ€Free Lithium Metal Anode (Adv. Funct. Mater. 24/2017). Advanced Functional Materials, 2017, 27, .	7.8	5
131	Synergistic Adsorption-Catalytic Sites TiN/Ta2O5 with Multidimensional Carbon Structure to Enable High-Performance Li-S Batteries. Nanomaterials, 2021, 11, 2882.	1.9	5
132	Energy Storage: Ultrasmall Sn Nanoparticles Embedded in Carbon as Highâ€Performance Anode for Sodiumâ€Ion Batteries (Adv. Funct. Mater. 2/2015). Advanced Functional Materials, 2015, 25, 340-340.	7.8	4
133	Facile synthesis of three-dimensional porous carbon networks for highly stable sodium storage. Ionics, 2018, 24, 3065-3073.	1.2	4
134	Solidâ€State Lithium Batteries: Intercalated Electrolyte with High Transference Number for Dendriteâ€Free Solidâ€State Lithium Batteries (Adv. Funct. Mater. 28/2019). Advanced Functional Materials, 2019, 29, 1970196.	7.8	4
135	Carbon Cloth: High Areal Capacity Dendriteâ€Free Li Anode Enabled by Metalâ€“Organic Frameworkâ€Derived Nanorod Array Modified Carbon Cloth for Solid State Li Metal Batteries (Adv. Funct. Mater. 2/2021). Advanced Functional Materials, 2021, 31, 2170013.	7.8	4
136	Design Concepts of Transition Metal Dichalcogenides for Highâ€Performance Aqueous Znâ€Ion Storage. Chemistry - A European Journal, 2022, 28, .	1.7	4
137	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.	1.2	3
138	Batteries: Prelithiated V₂C MXene: A Highâ€Performance Electrode for Hybrid Magnesium/Lithiumâ€Ion Batteries by Ion Cointercalation (Small 8/2020). Small, 2020, 16, 2070043.	5.2	3
139	Electrodes: Reconstruction of Miniâ€Hollow Polyhedron Mn₂O₃ Derived from MOFs as a Highâ€Performance Lithium Anode Material (Adv. Sci. 3/2016). Advanced Science, 2016, 3, .	5.6	1
140	A N-doped porous carbon framework with Ag-nanoparticles toward stable lithium metal anodes. Sustainable Energy and Fuels, 2021, 5, 5638-5644.	2.5	0