Shenglin Xiong

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165 papers	9,669 citations	51 h-index	95 g-index
172 ext. papers	12,489 ext. citations	11.8 avg, IF	6.92 L-index

#	Paper	IF	Citations
165	Mesoporous Co3O4 and CoO@C Topotactically Transformed from Chrysanthemum-like Co(CO3)0.5(OH)·0.11H2O and Their Lithium-Storage Properties. *Advanced Functional Materials*, **2012**, 22, 861-871	15.6	506
164	Enhanced Capacity and Rate Capability of Nitrogen/Oxygen Dual-Doped Hard Carbon in Capacitive Potassium-Ion Storage. *Advanced Materials*, **2018**, 30, 1700104	24	499
163	Flexible Hybrid Paper Made of Monolayer Co3O4 Microsphere Arrays on rGO/CNTs and Their Application in Electrochemical Capacitors. *Advanced Functional Materials*, **2012**, 22, 2560-2566	15.6	336
162	Unusual Formation of ZnCo2O4 3D Hierarchical Twin Microspheres as a High-Rate and Ultralong-Life Lithium-Ion Battery Anode Material. *Advanced Functional Materials*, **2014**, 24, 3012-3020	15.6	330
161	Embedding MnO@Mn O Nanoparticles in an N-Doped-Carbon Framework Derived from Mn-Organic Clusters for Efficient Lithium Storage. *Advanced Materials*, **2018**, 30, 1704244	24	280
160	One-Step Construction of N,P-Codoped Porous Carbon Sheets/CoP Hybrids with Enhanced Lithium and Potassium Storage. *Advanced Materials*, **2018**, 30, e1802310	24	278
159	Enhancing the cycling stability of Na-ion batteries by bonding SnS2 ultrafine nanocrystals on amino-functionalized graphene hybrid nanosheets. *Energy and Environmental Science*, **2016**, 9, 1430-1438	35.4	277
158	MOF-derived bi-metal embedded N-doped carbon polyhedral nanocages with enhanced lithium storage. *Journal of Materials Chemistry A*, **2017**, 5, 266-274	13	276
157	Flexible and Free-Standing TiCT MXene@Zn Paper for Dendrite-Free Aqueous Zinc Metal Batteries and Nonaqueous Lithium Metal Batteries. *ACS Nano*, **2019**, 13, 11676-11685	16.7	213
156	Commercial expanded graphite as a low-cost, long-cycling life anode for potassium-ion batteries with conventional carbonate electrolyte. *Journal of Power Sources*, **2018**, 378, 66-72	8.9	208
155	Green, Scalable, and Controllable Fabrication of Nanoporous Silicon from Commercial Alloy Precursors for High-Energy Lithium-Ion Batteries. *ACS Nano*, **2018**, 12, 4993-5002	16.7	193
154	Hierarchical Porous Nanosheets Constructed by Graphene-Coated, Interconnected TiO Nanoparticles for Ultrafast Sodium Storage. *Advanced Materials*, **2018**, 30, 1705788	24	191
153	Hollow MnCo2O4 submicrospheres with multilevel interiors: from mesoporous spheres to yolk-in-double-shell structures. *ACS Applied Materials & Interfaces*, **2014**, 6, 24-30	9.5	175
152	Micron-Sized Nanoporous Antimony with Tunable Porosity for High-Performance Potassium-Ion Batteries. *ACS Nano*, **2018**, 12, 12932-12940	16.7	167
151	Vacuum distillation derived 3D porous current collector for stable lithium-metal batteries. *Nano Energy*, **2018**, 47, 503-511	17.1	165
150	Hierarchical Carbon Nanotubes with a Thick Microporous Wall and Inner Channel as Efficient Scaffolds for Lithium–Sulfur Batteries. *Advanced Functional Materials*, **2016**, 26, 1571-1579	15.6	162
149	Serial ionic exchange for the synthesis of multishelled copper sulfide hollow spheres. *Angewandte Chemie - International Edition*, **2012**, 51, 949-52	16.4	158

148	Sole Chemical Confinement of Polysulfides on Nonporous Nitrogen/Oxygen Dual-Doped Carbon at the Kilogram Scale for Lithium–Sulfur Batteries. *Advanced Functional Materials*, **2017**, 27, 1604265	15.6	157
147	Ultrasmall SnS2 nanoparticles anchored on well-distributed nitrogen-doped graphene sheets for Li-ion and Na-ion batteries. *Journal of Materials Chemistry A*, **2016**, 4, 10719-10726	13	144
146	Polymer-assisted synthesis of a 3D hierarchical porous network-like spinel NiCo2O4 framework towards high-performance electrochemical capacitors. *Journal of Materials Chemistry A*, **2013**, 1, 11145	13	140
145	Simple synthesis of yolk-shelled ZnCo2O4 microspheres towards enhancing the electrochemical performance of lithium-ion batteries in conjunction with a sodium carboxymethyl cellulose binder. *Journal of Materials Chemistry A*, **2013**, 1, 15292	13	138
144	Spinel Mn1.5Co1.5O4 core–shell microspheres as Li-ion battery anode materials with a long cycle life and high capacity. *Journal of Materials Chemistry*, **2012**, 22, 23254		129
143	Mesoporous NiO ultrathin nanowire networks topotactically transformed from α-Ni(OH)2 hierarchical microspheres and their superior electrochemical capacitance properties and excellent capability for water treatment. *Journal of Materials Chemistry*, **2012**, 22, 14276		124
142	Systematic Study of Effect on Enhancing Specific Capacity and Electrochemical Behaviors of Lithium–Sulfur Batteries. *Advanced Energy Materials*, **2018**, 8, 1701330	21.8	123
141	Nitrogen/oxygen co-doped monolithic carbon electrodes derived from melamine foam for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 17730-17739	13	121
140	A general method for constructing robust, flexible and freestanding MXene@metal anodes for high-performance potassium-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 9716-9725	13	110
139	Facile synthesis of mesoporous Mn3O4 nanotubes and their excellent performance for lithium-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 10985	13	108
138	Rationally Incorporated MoS/SnS Nanoparticles on Graphene Sheets for Lithium-Ion and Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 27697-27706	9.5	106
137	Nitrogen-Doped Graphene-Supported Mixed Transition-Metal Oxide Porous Particles to Confine Polysulfides for Lithium–Sulfur Batteries. *Advanced Energy Materials*, **2018**, 8, 1800595	21.8	105
136	Hydrothermal Synthesis of Unique Hollow Hexagonal Prismatic Pencils of Co3 V2 O8 ?n H2 O: A New Anode Material for Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2015**, 54, 10787-91	16.4	104
135	Unusual Formation of CoO@C Dandelions Derived from 2D Kagome MOLs for Efficient Lithium Storage. *Advanced Energy Materials*, **2018**, 8, 1703242	21.8	103
134	Boosting Zinc-Ion Storage Capability by Effectively Suppressing Vanadium Dissolution Based on Robust Layered Barium Vanadate. *Nano Letters*, **2020**, 20, 2899-2906	11.5	97
133	Large-scale synthesis of Co2V2O7 hexagonal microplatelets under ambient conditions for highly reversible lithium storage. *Journal of Materials Chemistry A*, **2015**, 3, 16728-16736	13	96
132	Chemical dealloying synthesis of porous silicon anchored by in situ generated graphene sheets as anode material for lithium-ion batteries. *Journal of Power Sources*, **2015**, 287, 177-183	8.9	88
131	Scalable and Physical Synthesis of 2D Silicon from Bulk Layered Alloy for Lithium-Ion Batteries and Lithium Metal Batteries. *ACS Nano*, **2019**, 13, 13690-13701	16.7	88

130	Porosity- and Graphitization-Controlled Fabrication of Nanoporous Silicon@Carbon for Lithium Storage and Its Conjugation with MXene for Lithium-Metal Anode. *Advanced Functional Materials*, **2020**, 30, 1908721	15.6	85
129	Emerging Catalysts to Promote Kinetics of Lithium–Sulfur Batteries. *Advanced Energy Materials*, **2021**, 11, 2002893	21.8	85
128	Sulfiphilic Few-Layered MoSe2 Nanoflakes Decorated rGO as a Highly Efficient Sulfur Host for Lithium-Sulfur Batteries. *Advanced Energy Materials*, **2019**, 9, 1901896	21.8	84
127	Formation of quasi-mesocrystal ZnMn2O4 twin microspheres via an oriented attachment for lithium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 14236-14244	13	82
126	TiO2 thin films prepared via adsorptive self-assembly for self-cleaning applications. *ACS Applied Materials & Interfaces*, **2012**, 4, 1093-102	9.5	82
125	Selenium in nitrogen-doped microporous carbon spheres for high-performance lithium–selenium batteries. *Journal of Materials Chemistry A*, **2015**, 3, 4539-4546	13	78
124	A titanium-based metal-organic framework as an ultralong cycle-life anode for PIBs. *Chemical Communications*, **2017**, 53, 8360-8363	5.8	77
123	3D Co3O4 and CoO@C wall arrays: morphology control, formation mechanism, and lithium-storage properties. *Journal of Materials Chemistry A*, **2014**, 2, 11597	13	76
122	Layered (NH4)2V6O16·1.5H2O nanobelts as a high-performance cathode for aqueous zinc-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 19130-19139	13	72
121	Mesoporous quasi-single-crystalline NiCo2O4 superlattice nanoribbons with optimizable lithium storage properties. *Journal of Materials Chemistry A*, **2015**, 3, 10336-10344	13	70
120	Hierarchical Microcables Constructed by CoP@C?Carbon Framework Intertwined with Carbon Nanotubes for Efficient Lithium Storage. *Advanced Energy Materials*, **2020**, 10, 1902913	21.8	64
119	Micron-Sized Nanoporous Vanadium Pentoxide Arrays for High-Performance Gel Zinc-Ion Batteries and Potassium Batteries. *Chemistry of Materials*, **2020**, 32, 4054-4064	9.6	62
118	Advances and Perspectives of Cathode Storage Chemistry in Aqueous Zinc-Ion Batteries. *ACS Nano*, **2021**, 15, 9244-9272	16.7	58
117	A General Synthetic Approach for Integrated Nanocatalysts of [email´protected]. *Chemistry of Materials*, **2016**, 28, 326-336	9.6	55
116	Ag nanoprisms with Ag–S attachment. *Scientific Reports*, **2013**, 3, 2177	4.9	52
115	Recent Advances and Perspectives of Zn-Metal Free "Rocking-Chair"-Type Zn-Ion Batteries. *Advanced Energy Materials*, **2021**, 11, 2002529	21.8	52
114	P-doped BN nanosheets decorated graphene as the functional interlayer for Li–S batteries. *Journal of Energy Chemistry*, **2019**, 39, 54-60	12	51
113	Heteroatom-doped 3D porous carbon architectures for highly stable aqueous zinc metal batteries and non-aqueous lithium metal batteries. *Chemical Engineering Journal*, **2020**, 400, 125843	14.7	50

112	ZnO/CoO and ZnCo2O4 Hierarchical Bipyramid Nanoframes: Morphology Control, Formation Mechanism, and Their Lithium Storage Properties. *ACS Applied Materials & Interfaces*, **2015**, 7, 22848-57	9.5	49
111	Design of Robust, Lithiophilic, and Flexible Inorganic-Polymer Protective Layer by Separator Engineering Enables Dendrite-Free Lithium Metal Batteries with LiNi Mn Co O Cathode. *Small*, **2021**, 17, e2007717	11	49
110	Metal-Semiconductor Phase Twinned Hierarchical MoS Nanowires with Expanded Interlayers for Sodium-Ion Batteries with Ultralong Cycle Life. *Small*, **2020**, 16, e1906607	11	46
109	Two-Dimensional Silicon/Carbon from Commercial Alloy and CO for Lithium Storage and Flexible TiCT MXene-Based Lithium-Metal Batteries. *ACS Nano*, **2020**,	16.7	46
108	Stable Aqueous Anode-Free Zinc Batteries Enabled by Interfacial Engineering. *Advanced Functional Materials*, **2021**, 31, 2101886	15.6	46
107	Nonflammable electrolyte for safer non-aqueous sodium batteries. *Journal of Materials Chemistry A*, **2015**, 3, 14539-14544	13	45
106	Metal-organic framework-derived graphene@nitrogen doped carbon@ultrafine TiO nanocomposites as high rate and long-life anodes for sodium ion batteries. *Chemical Communications*, **2016**, 52, 12810-12812	5.8	42
105	One-Step In Situ Formation of N-doped Carbon Nanosheet 3D Porous Networks/TiO2 Hybrids with Ultrafast Sodium Storage. *Advanced Energy Materials*, **2019**, 9, 1803070	21.8	40
104	Quantum-Matter Bi/TiO2 Heterostructure Embedded in N-Doped Porous Carbon Nanosheets for Enhanced Sodium Storage. *Small Structures*, **2021**, 2, 2000085	8.7	40
103	Facile synthesis of N,O-codoped hard carbon on the kilogram scale for fast capacitive sodium storage. *Journal of Materials Chemistry A*, **2018**, 6, 16465-16474	13	39
102	Scalable and Controllable Synthesis of Interface-Engineered Nanoporous Host for Dendrite-Free and High Rate Zinc Metal Batteries. *ACS Nano*, **2021**,	16.7	39
101	Oxygen Defects Engineering of VO2·xH2O Nanosheets via In Situ Polypyrrole Polymerization for Efficient Aqueous Zinc Ion Storage. *Advanced Functional Materials*, **2021**, 31, 2103070	15.6	37
100	Rational Design of Sulfur-Doped Three-Dimensional TiCT MXene/ZnS Heterostructure as Multifunctional Protective Layer for Dendrite-Free Zinc-Ion Batteries. *ACS Nano*, **2021**, 15, 15259-15273	16.7	37
99	Nonflammable Fluorinated Carbonate Electrolyte with High Salt-to-Solvent Ratios Enables Stable Silicon-Based Anode for Next-Generation Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 23229-23235	9.5	36
98	Boosting Selective Nitrogen Reduction via Geometric Coordination Engineering on Single-Tungsten-Atom Catalysts. *Advanced Materials*, **2021**, 33, e2100429	24	36
97	Atomic Tungsten on Graphene with Unique Coordination Enabling Kinetically Boosted Lithium-Sulfur Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 15563-15571	16.4	36
96	Reversible zinc-based anodes enabled by zincophilic antimony engineered MXene for stable and dendrite-free aqueous zinc batteries. *Energy Storage Materials*, **2021**, 41, 343-353	19.4	36
95	Insight into different-microstructured ZnO/graphene-functionalized separators affecting the performance of lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2019**, 7, 4009-4018	13	35

94	Sandwich Structures Constructed by ZnSe?N-C@MoSe2 Located in Graphene for Efficient Sodium Storage. *Advanced Energy Materials*, **2020**, 10, 2002298	21.8	35
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92	Bonding VSe2 ultrafine nanocrystals on graphene toward advanced lithium-sulfur batteries. *Nano Research*, **2020**, 13, 2673-2682	10	33
91	Recently advances and perspectives of anode-free rechargeable batteries. *Nano Energy*, **2020**, 78, 105344	17.1	32
90	Hierarchical Octahedra Constructed by Cu S/MoS ?Carbon Framework with Enhanced Sodium Storage. *Small*, **2020**, 16, e2000952	11	31
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88	Long-life and dendrite-free zinc metal anode enabled by a flexible, green and self-assembled zincophilic biomass engineered MXene based interface. *Chemical Engineering Journal*, **2022**, 431, 134277	14.7	28
87	Recent advances and perspectives of 2D silicon: Synthesis and application for energy storage and conversion. *Energy Storage Materials*, **2020**, 32, 115-150	19.4	28
86	Flexible and stable 3D lithium metal anodes based on self-standing MXene/COF frameworks for high-performance lithium-sulfur batteries. *Nano Research*, **2021**, 14, 3576-3584	10	28
85	One-Pot Synthesis of Size-Controllable Core-Shell CdS and Derived CdS@Zn Cd S Structures for Photocatalytic Hydrogen Production. *Chemistry - A European Journal*, **2017**, 23, 16653-16659	4.8	27
84	Serial Ionic Exchange for the Synthesis of Multishelled Copper Sulfide Hollow Spheres. *Angewandte Chemie*, **2012**, 124, 973-976	3.6	27
83	Dealloying: An effective method for scalable fabrication of 0D, 1D, 2D, 3D materials and its application in energy storage. *Nano Today*, **2021**, 37, 101094	17.9	27
82	Covalent Organic Frameworks and Their Derivatives for Better Metal Anodes in Rechargeable Batteries. *ACS Nano*, **2021**,	16.7	27
81	An innovative Au-CdS/ZnS-RGO architecture for efficient photocatalytic hydrogen evolution. *Journal of Materials Chemistry A*, **2018**, 6, 2895-2899	13	25
80	Superior Sodium Metal Anodes Enabled by Sodiophilic Carbonized Coconut Framework with 3D Tubular Structure. *Advanced Energy Materials*, **2021**, 11, 2003699	21.8	25
79	Strongly Coupled W2C Atomic Nanoclusters on N/P-Codoped Graphene for Kinetically Enhanced Sulfur Host. *Advanced Materials Interfaces*, **2019**, 6, 1802088	4.6	24
78	Designed Formation of MnO2@NiO/NiMoO4 Nanowires@Nanosheets Hierarchical Structures with Enhanced Pseudocapacitive Properties. *ChemElectroChem*, **2016**, 3, 1347-1353	4.3	24
77	N-doped carbon nanotubes formed in a wide range of temperature and ramping rate for fast sodium storage. *Journal of Energy Chemistry*, **2020**, 49, 136-146	12	23

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75	Loading Fe3O4 nanoparticles on paper-derived carbon scaffold toward advanced lithium–sulfur batteries. *Journal of Energy Chemistry*, **2021**, 52, 1-11	12	23
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73	New Insights into the Electrochemistry Superiority of Liquid Na-K Alloy in Metal Batteries. *Small*, **2019**, 15, e1804916	11	20
72	A High-Rate and Ultrastable Aqueous Zinc-Ion Battery with a Novel MgV O 1.7H O Nanobelt Cathode. *Small*, **2021**, 17, e2100318	11	19
71	Boosting the potassium-ion storage performance of a carbon anode by chemically regulating oxygen-containing species. *Chemical Communications*, **2019**, 55, 14147-14150	5.8	19
70	One-Step Construction of MoSSe/N-Doped Carbon Flower-like Hierarchical Microspheres with Enhanced Sodium Storage. *ACS Applied Materials & Interfaces*, **2019**, 11, 44342-44351	9.5	18
69	Defect-Selectivity and "Order in Disorder" Engineering in Carbon for Durable and Fast Potassium Storage. *Advanced Materials*, **2021**, e2108621	24	18
68	Hydrothermal Synthesis of ZnWO4 Hierarchical Hexangular Microstars for Enhanced Lithium-Storage Properties. *European Journal of Inorganic Chemistry*, **2017**, 2017, 734-740	2.3	17
67	Unusual formation of NiCoO@MnO/nickel foam/MnO sandwich as advanced electrodes for hybrid supercapacitors. *Dalton Transactions*, **2019**, 48, 7403-7412	4.3	17
66	Heteroatom dopings and hierarchical pores of graphene for synergistic improvement of lithium–sulfur battery performance. *Inorganic Chemistry Frontiers*, **2018**, 5, 1053-1061	6.8	17
65	Interface engineering and heterometal doping Mo-NiS/Ni(OH)2 for overall water splitting. *Nano Research*, **2021**, 14, 3466-3473	10	17
64	Design of safe, long-cycling and high-energy lithium metal anodes in all working conditions: Progress, challenges and perspectives. *Energy Storage Materials*, **2021**, 38, 157-189	19.4	17
63	Enhancing the safety and electrochemical performance of ether based lithium sulfur batteries by introducing an efficient flame retarding additive. *RSC Advances*, **2016**, 6, 53560-53565	3.7	17
62	General formation of Mn-based transition metal oxide twin-microspheres with enhanced lithium storage properties. *RSC Advances*, **2015**, 5, 26863-26871	3.7	16
61	MnO2 nanotubes with a water soluble binder as high performance sodium storage materials. *RSC Advances*, **2016**, 6, 103579-103584	3.7	16
60	A novel bifunctional additive for 5 V-class, high-voltage lithium ion batteries. *RSC Advances*, **2016**, 6, 7224-7228	3.7	16
59	Systematic Exploration of the Role of a Modified Layer on the Separator in the Electrochemistry of Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 30306-30313	9.5	16

58	Layer-by-Layer Stacked (NH4)2V4O9·0.5H2O Nanosheet Assemblies with Intercalation Pseudocapacitance for High Rate Aqueous Zinc Ion Storage. *ACS Applied Energy Materials*, **2020**, 3, 5343-5352	6.1	15
57	Sponge Assembled by Graphene Nanocages with Double Active Sites to Accelerate Alkaline HER Kinetics. *Nano Letters*, **2020**, 20, 8375-8383	11.5	15
56	TiO -Based Heterostructures with Different Mechanism: A General Synergistic Effect toward High-Performance Sodium Storage. *Small*, **2020**, 16, e2004054	11	15
55	Green and facile synthesis of nanosized polythiophene as an organic anode for high-performance potassium-ion battery. *Functional Materials Letters*, **2018**, 11, 1840003	1.2	14
54	Electrochemically Activated Vanadium Oxide Cathode for Advanced Aqueous Zn-Ion Batteries.. *Nano Letters*, **2021**,	11.5	14
53	A novel Lithium/Sodium hybrid aqueous electrolyte for hybrid supercapacitors based on LiFePO4 and activated carbon. *Functional Materials Letters*, **2016**, 09, 1642008	1.2	13
52	Mental-organic framework derived CuO hollow spheres as high performance anodes for sodium ion battery. *Materials Technology*, **2016**, 31, 497-500	2.1	13
51	Integrating Bi@C Nanospheres in Porous Hard Carbon Frameworks for Ultrafast Sodium Storage.. *Advanced Materials*, **2022**, e2202673	24	13
50	Facile hydrothermal growth of VO2 nanowire, nanorod and nanosheet arrays as binder free cathode materials for sodium batteries. *RSC Advances*, **2016**, 6, 14314-14320	3.7	12
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47	Biphenyl as overcharge protection additive for nonaqueous sodium batteries. *RSC Advances*, **2015**, 5, 96649-96652	3.7	11
46	Nanostructures inducing distinctive photocatalytic and photoelectrochemical performance via the introduction of rGO into CdZnS. *Nanoscale*, **2019**, 11, 5571-5579	7.7	9
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43	High-Safety and High-Voltage Lithium Metal Batteries Enabled by a Nonflammable Ether-Based Electrolyte with Phosphazene as a Cosolvent. *ACS Applied Materials & Interfaces*, **2021**, 13, 10141-10148	9.5	9
42	High-Surface-Area Nitrogen/Phosphorus Dual-Doped Hierarchical Porous Carbon Derived from Biochar for Sulfur Holder. *ChemistrySelect*, **2018**, 3, 10175-10181	1.8	9
41	WSe2 Flakelets on N-doped Graphene for Accelerating Polysulfide Redox and Regulating Li Plating. *Angewandte Chemie - International Edition*, **2021**,	16.4	9

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39	Controlled synthesis of copper reinforced nanoporous silicon microsphere with boosted electrochemical performance. *Journal of Power Sources*, **2020**, 455, 227967	8.9	8
38	Enhancing the electrode performance of Co3O4 through Co3O4@a-TiO2 core–shell microcubes with controllable pore size. *RSC Advances*, **2015**, 5, 40899-40906	3.7	7
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36	Atomic Tungsten on Graphene with Unique Coordination Enabling Kinetically Boosted Lithium–Sulfur Batteries. *Angewandte Chemie*, **2021**, 133, 15691-15699	3.6	7
35	KOH Chemical-Activated Porous Carbon Sponges for Monolithic Supercapacitor Electrodes. *ACS Applied Energy Materials*, **2021**, 4, 6768-6776	6.1	7
34	Dual-Functional NbN Ultrafine Nanocrystals Enabling Kinetically Boosted Lithium–Sulfur Batteries. *Advanced Functional Materials*,2111586	15.6	6
33	A channel-confined strategy for synthesizing CoN-CoOx/C as efficient oxygen reduction electrocatalyst for advanced zinc-air batteries. *Nano Research*,1	10	6
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30	One-Step, Vacuum-Assisted Construction of Micrometer-Sized Nanoporous Silicon Confined by Uniform Two-Dimensional N-Doped Carbon toward Advanced Li Ion and MXene-Based Li Metal Batteries.. *ACS Nano*, **2022**,	16.7	5
29	Zero-Strain Structure for Efficient Potassium Storage Nitrogen-Enriched Carbon Dual-Confinement CoP Composite. *Advanced Energy Materials*,2103341	21.8	5
28	Recent progress, mechanisms, and perspectives for crystal and interface chemistry applying to the Zn metal anodes in aqueous zinc-ion batteries. *SusMat*,		5
27	Boosting Na Storage Ability of Bimetallic Mo W Se with Expanded Interlayers. *Chemistry - A European Journal*, **2020**, 26, 9580-9588	4.8	4
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24	Systematic Study of Alkali Cations Intercalated Titanium Dioxide Effect on Sodium and Lithium Storage. *Small*, **2020**, 16, e2001391	11	4
23	Bimetal CoNi Active Sites on Mesoporous Carbon Nanosheets to Kinetically Boost Lithium-Sulfur Batteries. *Small*, **2021**, 17, e2100414	11	4

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21	Defect-Selectivity and Order-in-Disorder Engineering in Carbon for Durable and Fast Potassium Storage (Adv. Mater. 7/2022). *Advanced Materials*, **2022**, 34, 2270056	24	4
20	Rationally Designed Three-Layered TiO @amorphous MoS @Carbon Hierarchical Microspheres for Efficient Potassium Storage.. *Small*, **2022**, e2107819	11	3
19	Porous lithium cobalt oxide fabricated from metal-organic frameworks as a high-rate cathode for lithium-ion batteries.. *RSC Advances*, **2020**, 10, 31889-31893	3.7	3
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17	N-Doped carbon coated NiCo2O4 nanorods for efficient electrocatalytic oxygen evolution. *Inorganic Chemistry Frontiers*, **2021**, 8, 3740-3747	6.8	3
16	Dual-Functional MgO Nanocrystals Satisfying Both Polysulfides and Li Regulation toward Advanced Lithium-Sulfur Full Batteries. *Small*, **2021**, 17, e2103744	11	3
15	Recent progress on preparation and applications of layered double hydroxides. *Chinese Chemical Letters*, **2021**,	8.1	3
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6	Room-temperature liquid metal engineered iron current collector enables stable and dendrite-free sodium metal batteries in carbonate electrolytes. *Journal of Materials Science and Technology*, **2022**, 115, 156-165	9.1	1
5	Electrocatalytic oxygen reduction of COF-derived porous Fe-Nx nanoclusters/carbon catalyst and application for high performance Zn-air battery. *Microporous and Mesoporous Materials*, **2022**, 330, 111609	5.3	1

List of Publications

4	Metal-organic frameworks and their derivatives in stable Zn metal anodes for aqueous Zn-ion batteries **2021**,		1
3	LiF-rich and self-repairing interface induced by MgF2 engineered separator enables dendrite-free lithium metal batteries. *Chemical Engineering Journal*, **2022**, 442, 136243	14.7	1
2	Ultrastable and High-Rate 2D Siloxene Anode Enabled by Covalent Organic Framework Engineering for Advanced Lithium-Ion Batteries.. *Small Methods*, **2022**, e2200306	12.8	1
1	Green and Facile Synthesis of Nanosized Polythiophene as an Organic Anode for High-Performance Potassium-Ion Battery **2021**, 159-166		