

Kai Zhang

List of Publications by Year in descending order

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201
papers

17,810
citations

14614

66
h-index

14702

127
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208
all docs

208
docs citations

208
times ranked

15637
citing authors

#	ARTICLE	IF	CITATIONS
1	Benzoselenol as an organic electrolyte additive in Li-S battery. <i>Nano Research</i> , 2023, 16, 3814-3822.	5.8	20
2	Strong but reversible sorption on polar microplastics enhanced earthworm bioaccumulation of associated organic compounds. <i>Journal of Hazardous Materials</i> , 2022, 423, 127079.	6.5	19
3	Building Homogenous Li_2TiO_3 Coating Layer on Primary Particles to Stabilize Li-Rich Mn-Based Cathode Materials. <i>Small</i> , 2022, 18, e2106337.	5.2	42
4	Biomimetic confined self-assembly of chitin nanocrystals. <i>Nano Today</i> , 2022, 43, 101420.	6.2	7
5	An All-Organic battery with 2.8V output voltage. <i>Chemical Engineering Journal</i> , 2022, 434, 134651.	6.6	8
6	An MXene-Based Metal Anode with Stepped Sodiophilic Gradient Structure Enables a Large Current Density for Rechargeable Na-O ₂ Batteries. <i>Advanced Materials</i> , 2022, 34, e2106565.	11.1	35
7	Direct nitrogen interception from chitin/chitosan for imidazo[1,5-a]pyridines. <i>Chemical Communications</i> , 2022, 58, 6068-6071.	2.2	8
8	Challenges and advances in wide-temperature rechargeable lithium batteries. <i>Energy and Environmental Science</i> , 2022, 15, 1711-1759.	15.6	138
9	Cellulose-Based Soft Actuators. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	1.7	23
10	Anomeric Stereoauxiliary Cleavage of the C-N Bond of α -D-Glucosamine for the Preparation of Imidazo[1,5-a]pyridines. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	10
11	Cellulose Nanopaper: Fabrication, Functionalization, and Applications. <i>Nano-Micro Letters</i> , 2022, 14, 104.	14.4	161
12	Regulating Pseudo-Jahn-Teller Effect and Superstructure in Layered Cathode Materials for Reversible Alkali-Ion Intercalation. <i>Journal of the American Chemical Society</i> , 2022, 144, 7929-7938.	6.6	22
13	Quinone Electrodes for Alkali-Acid Hybrid Batteries. <i>Journal of the American Chemical Society</i> , 2022, 144, 8066-8072.	6.6	23
14	Dynamically Tunable All-Weather Daytime Cellulose Aerogel Radiative Supercooler for Energy-Saving Building. <i>Nano Letters</i> , 2022, 22, 4106-4114.	4.5	65
15	Interfacial structure design for triboelectric nanogenerators. , 2022, 1, .		14
16	Hysteresis Induced by Incomplete Cationic Redox in Li-Rich 3d-Transition-Metal Layered Oxides Cathodes. <i>Advanced Science</i> , 2022, 9, .	5.6	7
17	Recent Progress on Cellulose-Based Ionic Compounds for Biomaterials. <i>Advanced Materials</i> , 2021, 33, e2000717.	11.1	70
18	Multifunctional Reversible Self-Assembled Structures of Cellulose-Derived Phase-Change Nanocrystals. <i>Advanced Materials</i> , 2021, 33, e2005263.	11.1	21

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19	Recent breakthroughs and perspectives of high-energy layered oxide cathode materials for lithium ion batteries. <i>Materials Today</i> , 2021, 43, 132-165.	8.3	174
20	Mitigation of Jahn-Teller distortion and Na ⁺ /vacancy ordering in a distorted manganese oxide cathode material by Li substitution. <i>Chemical Science</i> , 2021, 12, 1062-1067.	3.7	64
21	Nitroxide radical polymers for emerging plastic energy storage and organic electronics: fundamentals, materials, and applications. <i>Materials Horizons</i> , 2021, 8, 803-829.	6.4	69
22	Interfacial engineering facilitating robust Li _{0.35} Ga _{0.15} La ₃ Zr _{1.8} Nb _{0.2} O ₁₂ for all-solid-state lithium batteries. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2077-2084.	2.5	10
23	Electroless Formation of a Fluorinated Li/Na Hybrid Interphase for Robust Lithium Anodes. <i>Journal of the American Chemical Society</i> , 2021, 143, 2829-2837.	6.6	119
24	Covalent Organic Frameworks for Efficient Energy Electrocatalysis: Rational Design and Progress. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000090.	2.8	29
25	Structural Engineering of Covalent Organic Frameworks for Rechargeable Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2003054.	10.2	61
26	Aromaticity/Antiaromaticity Effect on Activity of Transition Metal Macrocyclic Complexes towards Electrocatalytic Oxygen Reduction. <i>ChemSusChem</i> , 2021, 14, 1835-1839.	3.6	10
27	Rechargeable K ₂ CO ₂ Batteries with a KSn Anode and a Carboxyl-Containing Carbon Nanotube Cathode Catalyst. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9540-9545.	7.2	23
28	Rechargeable K ₂ CO ₂ Batteries with a KSn Anode and a Carboxyl-Containing Carbon Nanotube Cathode Catalyst. <i>Angewandte Chemie</i> , 2021, 133, 9626-9631.	1.6	5
29	High-capacity and small-polarization aluminum organic batteries based on sustainable quinone-based cathodes with Al ³⁺ insertion. <i>Cell Reports Physical Science</i> , 2021, 2, 100354.	2.8	32
30	High-Energy-Density Quinone-Based Electrodes with [Al(OTf)] ²⁺ Storage Mechanism for Rechargeable Aqueous Aluminum Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2102063.	7.8	61
31	Opportunities and challenges for aqueous metal-proton batteries. <i>Matter</i> , 2021, 4, 1252-1273.	5.0	63
32	A Low-Strain Potassium-Rich Prussian Blue Analogue Cathode for High Power Potassium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13050-13056.	7.2	90
33	Stable Aqueous Anode-Free Zinc Batteries Enabled by Interfacial Engineering. <i>Advanced Functional Materials</i> , 2021, 31, 2101886.	7.8	162
34	A Low-Strain Potassium-Rich Prussian Blue Analogue Cathode for High Power Potassium-Ion Batteries. <i>Angewandte Chemie</i> , 2021, 133, 13160-13166.	1.6	16
35	Advances and Challenges for the Electrochemical Reduction of CO ₂ to CO: From Fundamentals to Industrialization. <i>Angewandte Chemie</i> , 2021, 133, 20795-20816.	1.6	82
36	Hierarchical Ti ₃ C ₂ T _x MXene/Carbon Nanotubes for Low Overpotential and Long-Life Li-CO ₂ Batteries. <i>ACS Nano</i> , 2021, 15, 8407-8417.	7.3	54

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37	Advances and Challenges for the Electrochemical Reduction of CO ₂ to CO: From Fundamentals to Industrialization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20627-20648.	7.2	408
38	Self-Compounded Nanocomposites: toward Multifunctional Membranes with Superior Mechanical, Gas/Oil Barrier, UV-Shielding, and Photothermal Conversion Properties. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28668-28678.	4.0	7
39	Regulating Electrocatalytic Oxygen Reduction Activity of a Metal Coordination Polymer via d ⁸ Conjugation. <i>Angewandte Chemie</i> , 2021, 133, 17074-17078.	1.6	9
40	On-Chip Integration of a Covalent Organic Framework-Based Catalyst into a Miniaturized Zn-Air Battery with High Energy Density. <i>ACS Energy Letters</i> , 2021, 6, 2491-2498.	8.8	46
41	Regulating Electrocatalytic Oxygen Reduction Activity of a Metal Coordination Polymer via d ⁸ Conjugation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16937-16941.	7.2	74
42	Sulfur-linked carbonyl polymer as a robust organic cathode for rapid and durable aluminum batteries. <i>Journal of Energy Chemistry</i> , 2021, 63, 320-327.	7.1	22
43	Covalent Organic Frameworks and Their Derivatives for Better Metal Anodes in Rechargeable Batteries. <i>ACS Nano</i> , 2021, 15, 12741-12767.	7.3	71
44	Two-Phase Transition Induced Amorphous Metal Phosphides Enabling Rapid, Reversible Alkali-Metal Ion Storage. <i>ACS Nano</i> , 2021, 15, 13486-13494.	7.3	23
45	Tuning Sugar-Based Chiral and Flower-Like Microparticles. <i>Small</i> , 2021, 17, 2102938.	5.2	1
46	Insights into the Ionic Conduction Mechanism of Quasi-Solid Polymer Electrolytes through Multispectral Characterization. <i>Angewandte Chemie</i> , 2021, 133, 22854-22859.	1.6	5
47	Designing Anion-Type Water-Free Zn ²⁺ Solvation Structure for Robust Zn Metal Anode. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23357-23364.	7.2	179
48	Advanced Nanocellulose-Based Composites for Flexible Functional Energy Storage Devices. <i>Advanced Materials</i> , 2021, 33, e2101368.	11.1	251
49	Designing Anion-Type Water-Free Zn ²⁺ Solvation Structure for Robust Zn Metal Anode. <i>Angewandte Chemie</i> , 2021, 133, 23545-23552.	1.6	57
50	Tuning Sugar-Based Chiral and Flower-Like Microparticles (Small 38/2021). <i>Small</i> , 2021, 17, 2170198.	5.2	0
51	Insights into the Ionic Conduction Mechanism of Quasi-Solid Polymer Electrolytes through Multispectral Characterization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22672-22677.	7.2	72
52	Changes and release risk of typical pharmaceuticals and personal care products in sewage sludge during hydrothermal carbonization process. <i>Chemosphere</i> , 2021, 284, 131313.	4.2	9
53	Strategies for boosting carbon electrocatalysts for the oxygen reduction reaction in non-aqueous metal-air battery systems. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6671-6693.	5.2	37
54	In Situ Polymerized Conjugated Poly(pyrene-4,5,9,10-tetraone)/Carbon Nanotubes Composites for High-Performance Cathode of Sodium Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2002917.	10.2	69

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55	Temperature-Responsive, Manipulable Cavitory Hydrogel Containers by Macroscopic Spatial Surface-Interior Separation. ACS Applied Materials & Interfaces, 2021, 13, 1573-1580.	4.0	6
56	3D Hollow Xerogels with Ordered Cellulose Nanocrystals for Tailored Mechanical Properties. Small, 2021, 17, e2104702.	5.2	7
57	High-Safety and Dendrite-Free Lithium Metal Batteries Enabled by Building a Stable Interface in a Nonflammable Medium-Concentration Phosphate Electrolyte. ACS Applied Materials & Interfaces, 2021, 13, 50869-50877.	4.0	25
58	Mannosylated fluorescent cellulose-based glycopolymers for stable uniform nanoparticles. Journal of Polymer Science, 2021, 59, 170-181.	2.0	2
59	Structure Selectivity of Alkaline Periodate Oxidation on Lignocellulose for Facile Isolation of Cellulose Nanocrystals. Angewandte Chemie - International Edition, 2020, 59, 3218-3225.	7.2	50
60	Electrochemically Derived Graphene-Like Carbon Film as a Superb Substrate for High-Performance Aqueous Zn-Ion Batteries. Advanced Functional Materials, 2020, 30, 1907120.	7.8	78
61	Antifreezing Hydrogel with High Zinc Reversibility for Flexible and Durable Aqueous Batteries by Cooperative Hydrated Cations. Advanced Functional Materials, 2020, 30, 1907218.	7.8	209
62	Thermoresponsive polymers and their biomedical application in tissue engineering – a review. Journal of Materials Chemistry B, 2020, 8, 607-628.	2.9	237
63	Engineering Solid Electrolyte Interphase on Red Phosphorus for Long-Term and High-Capacity Sodium Storage. Chemistry of Materials, 2020, 32, 448-458.	3.2	29
64	Proton Inserted Manganese Dioxides as a Reversible Cathode for Aqueous Zn-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 319-327.	2.5	44
65	Exploring the Interfacial Chemistry between Zinc Anodes and Aqueous Electrolytes via an In Situ Visualized Characterization System. ACS Applied Materials & Interfaces, 2020, 12, 55476-55482.	4.0	58
66	Featuring surface sodium storage properties of confined MoS ₂ /bacterial cellulose-derived carbon nanofibers anode. Applied Surface Science, 2020, 530, 147261.	3.1	13
67	Room-Temperature Flexible Quasi-Solid-State Rechargeable Na ⁺ O ₂ Batteries. ACS Central Science, 2020, 6, 1955-1963.	5.3	25
68	Multifunctionalities of Graphene for Exploiting a Facile Conversion Reaction Route of Perovskite CoSnO ₃ for Highly Reversible Na Ion Storage. Journal of Physical Chemistry Letters, 2020, 11, 7988-7995.	2.1	5
69	Modulating electrolyte structure for ultralow temperature aqueous zinc batteries. Nature Communications, 2020, 11, 4463.	5.8	431
70	Designing Hybrid Chiral Photonic Films with Circularly Polarized Room-Temperature Phosphorescence. ACS Nano, 2020, 14, 11130-11139.	7.3	130
71	A Universal Graphene Quantum Dot Tethering Design Strategy to Synthesize Single-Atom Catalysts. Angewandte Chemie - International Edition, 2020, 59, 21885-21889.	7.2	79
72	A Universal Graphene Quantum Dot Tethering Design Strategy to Synthesize Single-Atom Catalysts. Angewandte Chemie, 2020, 132, 22069-22073.	1.6	9

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73	Structural Colors by Synergistic Birefringence and Surface Plasmon Resonance. ACS Nano, 2020, 14, 16832-16839.	7.3	26
74	In-situ growth poly(N-methylaniline) coating on sulfur cathode for lithium-sulfur battery. Journal of Electroanalytical Chemistry, 2020, 871, 114312.	1.9	17
75	The origin of heavy element doping to relieve the lattice thermal vibration of layered materials for high energy density Li ion cathodes. Journal of Materials Chemistry A, 2020, 8, 12424-12435.	5.2	37
76	A 3D Hydroxylated MXene/Carbon Nanotubes Composite as a Scaffold for Dendrite-free Sodium-Metal Electrodes. Angewandte Chemie - International Edition, 2020, 59, 16705-16711.	7.2	138
77	A 3D Hydroxylated MXene/Carbon Nanotubes Composite as a Scaffold for Dendrite-free Sodium-Metal Electrodes. Angewandte Chemie, 2020, 132, 16848.	1.6	11
78	Electrodeposition Accelerates Metal-Based Batteries. Joule, 2020, 4, 10-11.	11.7	36
79	Molecular Design Strategy for High-Redox-Potential and Poorly Soluble n-Type Phenazine Derivatives as Cathode Materials for Lithium Batteries. ChemSusChem, 2020, 13, 2337-2344.	3.6	35
80	Self-assembled γ -MnO ₂ urchin-like microspheres as a high-performance cathode for aqueous Zn-ion batteries. Science China Materials, 2020, 63, 1196-1204.	3.5	44
81	Novel and legacy per- and polyfluoroalkyl substances (PFASs) in a farmland environment: Soil distribution and biomonitoring with plant leaves and locusts. Environmental Pollution, 2020, 263, 114487.	3.7	46
82	Highly Reversible and Rapid Sodium Storage in GeP ₃ with Synergistic Effect from Outside-In Optimization. ACS Nano, 2020, 14, 4352-4365.	7.3	31
83	Modular Nanocomposite Films with Tunable Physical Organization of Cellulose Nanocrystals for Photonic Encryption. Advanced Optical Materials, 2020, 8, 2000547.	3.6	23
84	Copper(I)-catalyzed azide-alkyne cycloaddition-assisted polymerization of linear glucose-derived copolymers. Journal of Polymer Science, 2020, 58, 1535-1543.	2.0	5
85	Thermoresponsive Water Transportation in Dually Electrostatically Crosslinked Nanocomposite Hydrogels. Macromolecular Rapid Communications, 2019, 40, e1900317.	2.0	4
86	Salt-controlled dissolution in pigment cathode for high-capacity and long-life magnesium organic batteries. Nano Energy, 2019, 65, 103902.	8.2	49
87	The release and earthworm bioaccumulation of endogenous hexabromocyclododecanes (HBCDDs) from expanded polystyrene foam microparticles. Environmental Pollution, 2019, 255, 113163.	3.7	36
88	Interfacial Synthesis of Cellulose-Derived Solvent-Responsive Nanoparticles via Schiff Base Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 16595-16603.	3.2	24
89	Ultrathin carbon-coated FeS ₂ nanooctahedra for sodium storage with long cycling stability. Inorganic Chemistry Frontiers, 2019, 6, 459-464.	3.0	21
90	Occurrence of organophosphate flame retardants in farmland soils from Northern China: Primary source analysis and risk assessment. Environmental Pollution, 2019, 247, 832-838.	3.7	57

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91	Conjugated Nitroxide Radical Polymers: Synthesis and Application in Flexible Energy Storage Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7096-7103.	4.0	32
92	Polyethylenimine Expanded Graphite Oxide Enables High Sulfur Loading and Long-Term Stability of Lithium-Sulfur Batteries. <i>Small</i> , 2019, 15, e1804578.	5.2	30
93	Super-swelling lignin-based biopolymer hydrogels for soil water retention from paper industry waste. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 815-820.	3.6	42
94	Dialdehyde Cellulose as a Bio-Based Robust Adhesive for Wood Bonding. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10452-10459.	3.2	86
95	Pseudocapacitive Behavior and Ultrafast Kinetics from Solvated Ion Cointercalation into MoS_2 for Its Alkali Ion Storage. <i>ACS Applied Energy Materials</i> , 2019, 2, 3726-3735.	2.5	9
96	High-Voltage Charging-Induced Strain, Heterogeneity, and Micro-Cracks in Secondary Particles of a Nickel-Rich Layered Cathode Material. <i>Advanced Functional Materials</i> , 2019, 29, 1900247.	7.8	219
97	Fabrication of a hydrazone-linked covalent organic framework-bound capillary column for gas chromatography separation. <i>Separation Science Plus</i> , 2019, 2, 120-128.	0.3	14
98	Hierarchical flower-like structures composed of cross-shaped vanadium dioxide nanobelts as superior performance anode for lithium and sodium ions batteries. <i>Applied Surface Science</i> , 2019, 480, 882-887.	3.1	31
99	Multi-Responsive Bilayer Hydrogel Actuators with Programmable and Precisely Tunable Motions. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800562.	1.1	37
100	MoSe_2 nanosheets embedded in mesoporous carbon as anode materials for sodium ion batteries. <i>Ionics</i> , 2019, 25, 3143-3152.	1.2	10
101	Liquid-Behaviors-Assisted Fabrication of Multidimensional Birefringent Materials from Dynamic Hybrid Hydrogels. <i>ACS Nano</i> , 2019, 13, 3867-3874.	7.3	54
102	Critical design factors for kinetically favorable P-based compounds toward alloying with Na ions for high-power sodium-ion batteries. <i>Energy and Environmental Science</i> , 2019, 12, 1326-1333.	15.6	58
103	An unprecedented 2D covalent organic framework with an htb net topology. <i>Chemical Communications</i> , 2019, 55, 13454-13457.	2.2	26
104	Manganese based layered oxides with modulated electronic and thermodynamic properties for sodium ion batteries. <i>Nature Communications</i> , 2019, 10, 5203.	5.8	202
105	Efficient synthesis of organosoluble 6-azido-6-deoxy-2,3-O-trimethylsilyl cellulose for click reactions. <i>Carbohydrate Polymers</i> , 2019, 206, 174-178.	5.1	5
106	Remarkable Enhancement in Sodium-Ion Kinetics of $\text{NaFe}_2(\text{CN})_6$ by Chemical Bonding with Graphene. <i>Small Methods</i> , 2018, 2, 1700346.	4.6	40
107	Bifunctional Conducting Polymer Coated CoP Core-Shell Nanowires on Carbon Paper as a Free-Standing Anode for Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1800283.	10.2	104
108	Dually Heterogeneous Hydrogels via Dynamic and Supramolecular Cross-Links Tuning Discontinuous Spatial Ruptures. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4294-4301.	3.2	6

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109	Interfacial molecular array behaviors of mixed surfactant systems based on sodium laurylglutamate and the effect on the foam properties. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 1427-1434.	1.3	8
110	Fe/Fe ₃ C@graphitic carbon shell embedded in carbon nanotubes derived from Prussian blue as cathodes for Li ⁺ O ₂ batteries. <i>Materials Chemistry Frontiers</i> , 2018, 2, 376-384.	3.2	39
111	Effect of heteroatom and functionality substitution on the oxidation potential of cyclic nitroxide radicals: role of electrostatics in electrochemistry. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2606-2614.	1.3	40
112	Recent Developments on and Prospects for Electrode Materials with Hierarchical Structures for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1701415.	10.2	436
113	Helical Fibers via Evaporation-Driven Self-Assembly of Surface-Acylated Cellulose Nanowhiskers. <i>Angewandte Chemie</i> , 2018, 130, 16561-16566.	1.6	13
114	Helical Fibers via Evaporation-Driven Self-Assembly of Surface-Acylated Cellulose Nanowhiskers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16323-16328.	7.2	17
115	Impact Dynamics of Aqueous Polymer Droplets on Superhydrophobic Surfaces. <i>Macromolecules</i> , 2018, 51, 7817-7827.	2.2	50
116	All Carbon Dual Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35978-35983.	4.0	93
117	Glycosylated cellulose derivatives with regioselective distributions of pendant glucose moieties. <i>Carbohydrate Polymers</i> , 2018, 196, 154-161.	5.1	2
118	GeP ₃ with soft and tunable bonding nature enabling highly reversible alloying with Na ions. <i>Materials Today Energy</i> , 2018, 9, 126-136.	2.5	31
119	Interlayer-Spacing-Regulated VOPO ₄ Nanosheets with Fast Kinetics for High-Capacity and Durable Rechargeable Magnesium Batteries. <i>Advanced Materials</i> , 2018, 30, e1801984.	11.1	171
120	Triclinic Off-Stoichiometric Na _{3.12} Mn _{2.44} (P ₂ O ₇) ₂ /C Cathode Materials for High-Energy/Power Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24564-24572.	4.0	41
121	Molecular-level anchoring of polymer cathodes on carbon nanotubes towards rapid-rate and long-cycle sodium-ion storage. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1805-1810.	3.2	24
122	Preparation of hydrogels with uniform and gradient chemical structures using dialdehyde cellulose and diamine by aerating ammonia gas. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 383-389.	2.3	6
123	Efficient, Self-Terminating Isolation of Cellulose Nanocrystals through Periodate Oxidation in Pickering Emulsions. <i>ChemSusChem</i> , 2018, 11, 3581-3585.	3.6	20
124	Stable Carbon-Selenium Bonds for Enhanced Performance in Tremella-Like 2D Chalcogenide Battery Anode. <i>Advanced Energy Materials</i> , 2018, 8, 1800927.	10.2	68
125	A reduced graphene oxide-encapsulated phosphorus/carbon composite as a promising anode material for high-performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3683-3690.	5.2	54
126	The impact of the molecular weight on the electrochemical properties of poly(TEMPO methacrylate). <i>Polymer Chemistry</i> , 2017, 8, 1815-1823.	1.9	78

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127	Construction of Four Coordination Polymers based on 2-[4-(Pyridine-4-yl)phenyl]-1 <i>H</i> -imidazole-4,5-dicarboxylic Acid. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 593-600.	0.6	8
128	Molecular insight into the micro-behaviors of CH ₄ and CO ₂ in montmorillonite slit-nanopores. <i>Molecular Simulation</i> , 2017, 43, 1004-1011.	0.9	38
129	Formation of Uniform Multi-Stimuli-Responsive and Multiblock Hydrogels from Dialdehyde Cellulose. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5313-5319.	3.2	52
130	Self-assembly of 3D neat porous carbon aerogels with NaCl as template and flux for sodium-ion batteries. <i>Journal of Power Sources</i> , 2017, 359, 529-538.	4.0	53
131	Structural and chemical synergistic effect of CoS nanoparticles and porous carbon nanorods for high-performance sodium storage. <i>Nano Energy</i> , 2017, 35, 281-289.	8.2	247
132	Robust Heterogeneous Hydrogels with Dynamic Nanocrystal-Polymer Interface. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600810.	2.0	8
133	Spatial and temporal distributions of hexabromocyclododecanes in the vicinity of an expanded polystyrene material manufacturing plant in Tianjin, China. <i>Environmental Pollution</i> , 2017, 222, 338-347.	3.7	37
134	Probing the Binding Interfaces of Histone-Aptamer by Photo Cross-Linking Mass Spectrometry. <i>ACS Chemical Biology</i> , 2017, 12, 57-62.	1.6	6
135	Impact of Viscous Droplets on Superamphiphobic Surfaces. <i>Langmuir</i> , 2017, 33, 144-151.	1.6	67
136	Thermoreversible Self-Assembly of Perfluorinated Core-Coronas Cellulose-Nanoparticles in Dry State. <i>Advanced Materials</i> , 2017, 29, 1702473.	11.1	19
137	Construction of a hydrazone-linked chiral covalent organic framework-silica composite as the stationary phase for high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2017, 1519, 100-109.	1.8	110
138	Few-layered MoS ₂ /C with expanding d-spacing as a high-performance anode for sodium-ion batteries. <i>Nanoscale</i> , 2017, 9, 12189-12195.	2.8	100
139	Cobalt phosphide nanoparticles embedded in nitrogen-doped carbon nanosheets: Promising anode material with high rate capability and long cycle life for sodium-ion batteries. <i>Nano Research</i> , 2017, 10, 4337-4350.	5.8	97
140	Flower-like MoSe ₂ /C Composite with Expanded (002) Planes of Few-layer MoSe ₂ as the Anode for High-Performance Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 14004-14010.	1.7	74
141	Submillimeter-Sized Bubble Entrapment and a High-Speed Jet Emission during Droplet Impact on Solid Surfaces. <i>Langmuir</i> , 2017, 33, 7225-7230.	1.6	49
142	Lanthanide contraction effect on the crystal structures of 2D lanthanide coordination polymers based on 2-(trifluoromethyl)-1 <i>H</i> -imidazole-4,5-dicarboxylic acid. <i>Structural Chemistry</i> , 2017, 28, 577-586.	1.0	9
143	Bismuth Nanoparticles Embedded in Carbon Spheres as Anode Materials for Sodium/Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2016, 22, 2333-2338.	1.7	123
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