

# Yan Yu

## List of Publications by Year in descending order

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427  
papers

40,706  
citations

1163

111  
h-index

3476

182  
g-index

440  
all docs

440  
docs citations

440  
times ranked

24504  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deficient precipitation sensitivity to Sahel land surface forcings among <sc>CMIP5</sc> models. International Journal of Climatology, 2023, 43, 99-122.	1.5	1
2	Enhanced interphasial stability of hard carbon for sodium-ion battery via film-forming electrolyte additive. Nano Research, 2023, 16, 3823-3831.	5.8	10
3	Self-Assembled VS <sub>4</sub> Hierarchitectures with Enhanced Capacity and Stability for Sodium Storage. Energy and Environmental Materials, 2022, 5, 592-598.	7.3	30
4	Air-stable inorganic solid-state electrolytes for high energy density lithium batteries: Challenges, strategies, and prospects. Information Materials, 2022, 4, .	8.5	71
5	Fluorine-induced dual defects in NiP <sub>2</sub> anode with robust sodium storage performance. Nano Research, 2022, 15, 2147-2156.	5.8	16
6	Tin-Based Anode Materials for Stable Sodium Storage: Progress and Perspective. Advanced Materials, 2022, 34, e2106895.	11.1	68
7	Homogeneous Na Deposition Enabling High-Energy Na-Metal Batteries. Advanced Functional Materials, 2022, 32, 2110280.	7.8	38
8	Anisotropic presentation of ligands on cargos modulates degradative function of phagosomes. Biophysical Reports, 2022, 2, 100041.	0.7	4
9	Sequential Assembly Tailored Interior of Porous Carbon Spheres for Boosted Water Decontamination through Peroxymonosulfate Activation. Advanced Functional Materials, 2022, 32, .	7.8	14
10	<i>In Situ</i> Secondary Phase Modified Low-Strain Na <sub>3</sub> Ti(PO <sub>3</sub> ) <sub>3</sub> N Cathode Achieving Fast Kinetics and Ultralong Cycle Life. ACS Energy Letters, 2022, 7, 632-639.	8.8	16
11	Single-phagosome imaging reveals that homotypic fusion impairs phagosome degradative function. Biophysical Journal, 2022, 121, 459-469.	0.2	3
12	Artificial Heterogeneous Interphase Layer with Boosted Ion Affinity and Diffusion for Na/K-Metal Batteries. Advanced Materials, 2022, 34, e2109439.	11.1	73
13	Rapid internal conversion harvested in Co/Mo dichalcogenides hollow nanocages of polysulfides for stable Lithium-Sulfur batteries. Chemical Engineering Journal, 2022, 434, 134498.	6.6	27
14	Engineering of Crosslinked Network and Functional Interlayer to Boost Cathode Performance of Tannin for Potassium Metal Batteries. Advanced Functional Materials, 2022, 32, .	7.8	11
15	A High-Efficiency Mo <sub>2</sub> C Electrocatalyst Promoting the Polysulfide Redox Kinetics for Na-S Batteries. Advanced Materials, 2022, 34, e2200479.	11.1	72
16	Immobile ligands enhance Fc <sup>3</sup> R-TLR2/1 crosstalk by promoting interface overlap of receptor clusters. Biophysical Journal, 2022, 121, 966-976.	0.2	3
17	Structure Engineering of Vanadium Tetrasulfides for High-Capacity and High-Rate Sodium Storage. Small, 2022, 18, e2107058.	5.2	17
18	Energy Spotlight. ACS Energy Letters, 2022, 7, 1125-1127.	8.8	0

#	ARTICLE	IF	CITATIONS
19	Advances in the Development of Single-Atom Catalysts for High-Energy-Density Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2022, 34, e2200102.	11.1	202
20	An Open-Ended Ni <sub>3</sub> S <sub>2</sub> -Co <sub>9</sub> S <sub>8</sub> Heterostructures Nanocage Anode with Enhanced Reaction Kinetics for Superior Potassium-Ion Batteries. <i>Advanced Materials</i> , 2022, 34, e2201420.	11.1	68
21	Introducing Metal-Organic Nanotubes to Derive High-Density Bimetal Alloy Nanoparticles Supported on Nanorods for Lithium-Oxygen Batteries. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	5
22	Dual-Color Peak Force Infrared Microscopy. <i>Analytical Chemistry</i> , 2022, 94, 1425-1431.	3.2	5
23	Layer-by-Layer Assembly of CeO <sub>2</sub> @C-rGO Nanocomposites and CNTs as a Multifunctional Separator Coating for Highly Stable Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 18634-18645.	4.0	24
24	Bifunctional Catalyst for Liquid-Solid Redox Conversion in Room-Temperature Sodium-Sulfur Batteries. <i>Small Structures</i> , 2022, 3, .	6.9	21
25	A sodiophilic VN interlayer stabilizing a Na metal anode. <i>Nanoscale Horizons</i> , 2022, 7, 899-907.	4.1	9
26	Room-Temperature Sodium-Sulfur Batteries: Rules for Catalyst Selection and Electrode Design. <i>Advanced Materials</i> , 2022, 34, .	11.1	31
27	3-Trimethylsilyl-2-oxazolidinone, as a multifunctional additive to stabilize FEC-containing electrolyte for sodium metal batteries. <i>Electrochimica Acta</i> , 2022, 425, 140746.	2.6	9
28	Cu-V bimetallic selenide with synergistic effect for high-rate and long-life sodium storage. <i>Journal of Materials Research</i> , 2022, 37, 3308-3317.	1.2	2
29	Single-Atom Iron Anchored Tubular g-C <sub>3</sub> N <sub>4</sub> Catalysts for Ultrafast Fenton-Like Reaction: Roles of High-Valency Iron-Oxo Species and Organic Radicals. <i>Advanced Materials</i> , 2022, 34, .	11.1	93
30	Mesoporous carbon nanosheet-assembled flowers towards superior potassium storage. <i>Chinese Chemical Letters</i> , 2021, 32, 1161-1164.	4.8	35
31	Gallium-based anodes for alkali metal ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 55, 557-571.	7.1	27
32	Carbon-based materials for all-solid-state zinc-air batteries. , 2021, 3, 50-65.		54
33	Vanadate-based electrodes for rechargeable batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1585-1609.	3.2	12
34	Photopolymerized Gel Electrolyte with Unprecedented Room-Temperature Ionic Conductivity for High-Energy-Density Solid-State Sodium Metal Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2002930.	10.2	45
35	Sub-nanometric Manganous Oxide Clusters in Nitrogen Doped Mesoporous Carbon Nanosheets for High-Performance Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2021, 21, 700-708.	4.5	60
36	A Low-Temperature Sodium-Ion Full Battery: Superb Kinetics and Cycling Stability. <i>Advanced Functional Materials</i> , 2021, 31, 2009458.	7.8	77

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37	Stable sodium metal anode enhanced by advanced electrolytes with SbF <sub>3</sub> additive. <i>Rare Metals</i> , 2021, 40, 433-439.	3.6	24
38	Superior potassium and zinc storage in K-doped VO <sub>2</sub> (B) spheres. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3132-3138.	3.2	14
39	Energy Spotlight. <i>ACS Energy Letters</i> , 2021, 6, 710-712.	8.8	0
40	Frontiers for Room-Temperature Sodium–Sulfur Batteries. <i>ACS Energy Letters</i> , 2021, 6, 529-536.	8.8	85
41	Binding Se into nitrogen-doped porous carbon nanosheets for high-performance potassium storage. <i>Informa – Materials</i> , 2021, 3, 421-431.	8.5	48
42	Innate immune receptor clustering and its role in immune regulation. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	15
43	Liquid-Phase Peak Force Infrared Microscopy for Chemical Nanoimaging and Spectroscopy. <i>Analytical Chemistry</i> , 2021, 93, 3567-3575.	3.2	17
44	A Self-Healing Volume Variation Three-Dimensional Continuous Bulk Porous Bismuth for Ultrafast Sodium Storage. <i>Advanced Functional Materials</i> , 2021, 31, 2011264.	7.8	45
45	Recent Progress on Modification Strategies of Alloy-based Anode Materials for Alkali-ion Batteries. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 200-209.	1.3	6
46	Architectural Engineering Achieves High-Performance Alloying Anodes for Lithium and Sodium Ion Batteries. <i>Small</i> , 2021, 17, e2005248.	5.2	42
47	Two-Dimensional Boron and Nitrogen Dual-Doped Graphitic Carbon as an Efficient Metal-Free Cathodic Electrocatalyst for Lithium-Air Batteries. <i>ChemElectroChem</i> , 2021, 8, 949-956.	1.7	5
48	NASICON Electrodes: A Low-Temperature Sodium-Ion Full Battery: Superb Kinetics and Cycling Stability (Adv. Funct. Mater. 11/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170070.	7.8	1
49	Fast and Reversible Na Intercalation in Nsutite-Type VO <sub>2</sub> Hierarchitectures. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100191.	1.9	2
50	High-voltage aqueous planar symmetric sodium ion micro-batteries with superior performance at low-temperature of ~40°C. <i>Nano Energy</i> , 2021, 82, 105688.	8.2	32
51	Front Cover Image. <i>Informa – Materials</i> , 2021, 3, .	8.5	0
52	Ultrafast Potassium Storage in F-Induced Ultra-High Edge-Defective Carbon Nanosheets. <i>ACS Nano</i> , 2021, 15, 10217-10227.	7.3	79
53	Spatial organization of Fc <sup>3</sup> R and TLR2/1 on phagosome membranes differentially regulates their synergistic and inhibitory receptor crosstalk. <i>Scientific Reports</i> , 2021, 11, 13430.	1.6	4
54	Efficient Stress Dissipation in Well-Aligned Pyramidal SbSn Alloy Nanoarrays for Robust Sodium Storage. <i>Advanced Functional Materials</i> , 2021, 31, 2104798.	7.8	31

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55	Virtual Special Issue of Recent Research Advances in China: Batteries and Energy Storage. <i>Energy &amp; Fuels</i> , 2021, 35, 10945-10948.	2.5	7
56	Advances in metal phosphides for sodium-ion batteries. <i>SusMat</i> , 2021, 1, 359-392.	7.8	109
57	Incorporating Cobalt Nanoparticles in Nitrogen-Doped Mesoporous Carbon Spheres through Composite Micelle Assembly for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 38604-38612.	4.0	17
58	Biomimetic N-doped sea-urchin-structured porous carbon for the anode material of high-energy-density potassium-ion batteries. <i>Electrochimica Acta</i> , 2021, 388, 138565.	2.6	14
59	Individual development plans "experiences made in graduate student training. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5681-5684.	1.9	2
60	Research Progress on Copper-Based Current Collector for Lithium Metal Batteries. <i>Energy &amp; Fuels</i> , 2021, 35, 12921-12937.	2.5	43
61	Boosting potassium storage performance via construction of NbSe <sub>2</sub> -based misfit layered chalcogenides. <i>Energy Storage Materials</i> , 2021, 39, 265-270.	9.5	33
62	Manipulating the Electronic Structure of Nickel <i>via</i> Alloying with Iron: Toward High-Kinetics Sulfur Cathode for Na-S Batteries. <i>ACS Nano</i> , 2021, 15, 15218-15228.	7.3	64
63	Mo <sub>2</sub> W <sub>2</sub> N Heterostructures Embedded in Spherical Carbon Superstructure as Highly Efficient Polysulfide Electrocatalysts for Stable Room-Temperature Na-S Batteries. <i>Advanced Materials</i> , 2021, 33, e2103846.	11.1	78
64	3D Tungsten Disulfide/Carbon Nanotube Networks as Separator Coatings and Cathode Additives for Stable and Fast Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 45547-45557.	4.0	17
65	Design Principles of Sodium/Potassium Protection Layer for High-Power High-Energy Sodium/Potassium-Metal Batteries in Carbonate Electrolytes: a Case Study of Na <sub>2</sub> Te/K <sub>2</sub> Te. <i>Advanced Materials</i> , 2021, 33, e2106353.	11.1	82
66	Enhanced Electrochemical Performance of Na <sub>0.67</sub> Fe <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> Cathode with SnO <sub>2</sub> Modification. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 1130.	1.3	1
67	Quantitative Coassembly for Precise Synthesis of Mesoporous Nanospheres with Pore Structure-Dependent Catalytic Performance. <i>Advanced Materials</i> , 2021, 33, e2103130.	11.1	13
68	Integration of homogeneous and heterogeneous nucleation growth via 3D alloy framework for stable Na/K metal anode. <i>EScience</i> , 2021, 1, 75-82.	25.0	115
69	Status and Challenges of Cathode Materials for Room-Temperature Sodium-Sulfur Batteries. <i>Small Science</i> , 2021, 1, 2100059.	5.8	28
70	Harnessing the Volume Expansion of MoS <sub>3</sub> Anode by Structure Engineering to Achieve High Performance Beyond Lithium-Based Rechargeable Batteries. <i>Advanced Materials</i> , 2021, 33, e2106232.	11.1	83
71	From 0D to 3D: Dimensional Control of Bismuth for Potassium Storage with Superb Kinetics and Cycling Stability. <i>Advanced Energy Materials</i> , 2021, 11, 2102263.	10.2	38
72	Achieving stable Na metal cycling via polydopamine/multilayer graphene coating of a polypropylene separator. <i>Nature Communications</i> , 2021, 12, 5786.	5.8	69

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73	An in-situ formed stable interface layer for high-performance sodium metal anode in a non-flammable electrolyte. <i>Energy Storage Materials</i> , 2021, 42, 145-153.	9.5	42
74	Synergetic enhancement of sodium storage in gallium-based heterostructures. <i>Nano Energy</i> , 2021, 89, 106395.	8.2	15
75	Red Phosphorousâ€Derived Protective Layers with High Ionic Conductivity and Mechanical Strength on Dendriteâ€Free Sodium and Potassium Metal Anodes. <i>Advanced Energy Materials</i> , 2021, 11, 2003381.	10.2	102
76	The Progress and Prospect of Tunable Organic Molecules for Organic Lithium-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 47-80.	7.3	130
77	Metalâ€Organic Framework-Derived Nanoconfinements of CoF <sub>2</sub> and Mixed-Conducting Wiring for High-Performance Metal Fluoride-Lithium Battery. <i>ACS Nano</i> , 2021, 15, 1509-1518.	7.3	69
78	Realâ€Time Simultaneous Imaging of Acidification and Proteolysis in Single Phagosomes Using Bifunctional Janus Particle Probes. <i>Angewandte Chemie</i> , 2021, 133, 26938.	1.6	0
79	Realâ€Time Simultaneous Imaging of Acidification and Proteolysis in Single Phagosomes Using Bifunctional Janusâ€Particle Probes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26734-26739.	7.2	10
80	An Efficient Strategy toward Multichambered Carbon Nanoboxes with Multiple Spatial Confinement for Advanced Sodiumâ€Sulfur Batteries. <i>ACS Nano</i> , 2021, 15, 20607-20618.	7.3	38
81	3D porous V <sub>2</sub> O <sub>5</sub> architectures for high-rate lithium storage. <i>Journal of Energy Chemistry</i> , 2020, 40, 15-21.	7.1	38
82	Metal Chalcogenides: Paving the Way for Highâ€Performance Sodium/Potassiumâ€Ion Batteries. <i>Small Methods</i> , 2020, 4, 1900563.	4.6	140
83	Metal Chalcogenides: Metal Chalcogenides: Paving the Way for Highâ€Performance Sodium/Potassiumâ€Ion Batteries (Small Methods 1/2020). <i>Small Methods</i> , 2020, 4, 2070002.	4.6	1
84	Constructing a 3D interconnected Fe@graphitic carbon structure for a highly efficient microwave absorber. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1326-1334.	2.7	17
85	Optimizing the Void Size of Yolkâ€Shell Bi@Void@C Nanospheres for High-Power-Density Sodium-Ion Batteries. <i>Nano Letters</i> , 2020, 20, 758-767.	4.5	129
86	Topotactic Transformation Synthesis of 2D Ultrathin GeS <sub>2</sub> Nanosheets toward High-Rate and High-Energy-Density Sodium-Ion Half/Full Batteries. <i>ACS Nano</i> , 2020, 14, 531-540.	7.3	71
87	A Dualâ€Functional Conductive Framework Embedded with TiNâ€VN Heterostructures for Highly Efficient Polysulfide and Lithium Regulation toward Stable Liâ€S Full Batteries. <i>Advanced Materials</i> , 2020, 32, e1905658.	11.1	276
88	Transition metal chalcogenide anodes for sodium storage. <i>Materials Today</i> , 2020, 35, 131-167.	8.3	186
89	Membrane poration, wrinkling, and compression: deformations of lipid vesicles induced by amphiphilic Janus nanoparticles. <i>Nanoscale</i> , 2020, 12, 20326-20336.	2.8	15
90	gâ€C <sub>3</sub> N <sub>4</sub> Derivative Artificial Organic/Inorganic Composite Solid Electrolyte Interphase Layer for Stable Lithium Metal Anode. <i>Advanced Energy Materials</i> , 2020, 10, 2002647.	10.2	123

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91	Self-Formed Electronic/Ionic Conductive $\text{Fe}_3\text{S}_4$ @ $\text{SS@SS@SSO.9Na}_3\text{SbS}_4$ ...0.1NaI Composite for High-Performance Room-Temperature All-Solid-State Sodium-Sulfur Battery. <i>Small</i> , 2020, 16, e2001574.	10.2	43
92	Unraveling the Nature of Excellent Potassium Storage in Small-Molecule Se@Peapod-Like N-Doped Carbon Nanofibers. <i>Advanced Materials</i> , 2020, 32, e2003879.	11.1	104
93	Boosting Potassium Storage by Integration Advantageous of Defect Engineering and Spatial Confinement: A Case Study of $\text{Sb}_2\text{Se}_3$ . <i>Small</i> , 2020, 16, e2005272.	5.2	43
94	Sodium-Ion Batteries: Ostwald Ripening Tailoring Hierarchically Porous $\text{Na}_3\text{V}_2(\text{PO}_4)_2\text{O}_2\text{F}$ Hollow Nanospheres for Superior High-Rate and Ultrastable Sodium Ion Storage ( <i>Small</i> 48/2020). <i>Small</i> , 2020, 16, 2070263.	5.2	2
95	Chebyshev polynomial method to Landauer-Büttiker formula of quantum transport in nanostructures. <i>AIP Advances</i> , 2020, 10, .	0.6	3
96	Vanadium-Based Materials: Next Generation Electrodes Powering the Battery Revolution?. <i>Accounts of Chemical Research</i> , 2020, 53, 1660-1671.	7.6	89
97	Phase Engineering of Iron-Cobalt Sulfides for Zn-Air and Na-Ion Batteries. <i>ACS Nano</i> , 2020, 14, 10438-10451.	7.3	53
98	Enhanced Pseudo-Capacitive Contributions to High-Performance Sodium Storage in $\text{TiO}_2/\text{C}$ Nanofibers via Double Effects of Sulfur Modification. <i>Nano-Micro Letters</i> , 2020, 12, 165.	14.4	34
99	Ostwald Ripening Tailoring Hierarchically Porous $\text{Na}_3\text{V}_2(\text{PO}_4)_2\text{O}_2\text{F}$ Hollow Nanospheres for Superior High-Rate and Ultrastable Sodium Ion Storage. <i>Small</i> , 2020, 16, e2004925.	5.2	34
100	Post-Lithium battery materials and technology. <i>EcoMat</i> , 2020, 2, e12048.	6.8	6
101	Hierarchical Microtubes Constructed by $\text{MoS}_2$ Nanosheets with Enhanced Sodium Storage Performance. <i>ACS Nano</i> , 2020, 14, 15577-15586.	7.3	79
102	Sodium Ion Microscale Electrochemical Energy Storage Device: Present Status and Future Perspective. <i>Small Structures</i> , 2020, 1, 2000053.	6.9	47
103	Integrating Conductivity, Captivity, and Immobility Ability into N/O Dual-Doped Porous Carbon Nanocage Anchored with CNT as an Effective Se Host for Advanced K-Se Battery. <i>Advanced Functional Materials</i> , 2020, 30, 2003871.	7.8	45
104	Progress and Prospects of Transition Metal Sulfides for Sodium Storage. <i>Advanced Fiber Materials</i> , 2020, 2, 314-337.	7.9	74
105	$\text{VOPO}_4 \cdot 2\text{H}_2\text{O}$ Nanosheet Cathode for Enhanced Sodium Storage. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	8
106	Sodium Ion Microscale Electrochemical Energy Storage Device: Present Status and Future Perspective. <i>Small Structures</i> , 2020, 1, 2070003.	6.9	3
107	Macrophage activation on $\phi$ epagocytic synapse-arrays: Spacing of nanoclustered ligands directs TLR1/2 signaling with an intrinsic limit. <i>Science Advances</i> , 2020, 6, .	4.7	15
108	Simultaneous Nanoscale Imaging of Chemical and Architectural Heterogeneity on Yeast Cell Wall Particles. <i>Langmuir</i> , 2020, 36, 6169-6177.	1.6	23

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109	Oxygen vacancies in metal oxides: recent progress towards advanced catalyst design. <i>Science China Materials</i> , 2020, 63, 2089-2118.	3.5	208
110	Advances in K-Q (Q= S, Se and Se S ) batteries. <i>Materials Today</i> , 2020, 39, 9-22.	8.3	21
111	Boosting High-Performance in Lithium-Sulfur Batteries via Dilute Electrolyte. <i>Nano Letters</i> , 2020, 20, 5391-5399.	4.5	93
112	3D Flexible, Conductive, and Recyclable Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene-Melamine Foam for High-Areal-Capacity and Long-Lifetime Alkali-Metal Anode. <i>ACS Nano</i> , 2020, 14, 8678-8688.	7.3	164
113	The Synergetic Effect of Lithium Bisoxalatodifluorophosphate and Fluoroethylene Carbonate on Dendrite Suppression for Fast Charging Lithium Metal Batteries. <i>Small</i> , 2020, 16, e2001989.	5.2	41
114	Lithium Difluorophosphate-Based Dual-Salt Low Concentration Electrolytes for Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001440.	10.2	121
115	A High-Capacity Ammonium Vanadate Cathode for Zinc-Ion Battery. <i>Nano-Micro Letters</i> , 2020, 12, 67.	14.4	85
116	Lithiophilic Zn Sites in Porous CuZn Alloy Induced Uniform Li Nucleation and Dendrite-free Li Metal Deposition. <i>Nano Letters</i> , 2020, 20, 2724-2732.	4.5	134
117	Development and challenge of advanced nonaqueous sodium ion batteries. <i>EnergyChem</i> , 2020, 2, 100031.	10.1	37
118	Sodium Ion Batteries: Toward High Energy Density All Solid-State Sodium Batteries with Excellent Flexibility ( <i>Adv. Energy Mater.</i> 12/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070055.	10.2	2
119	Hybrid Cathodes Composed of K <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> and Carbon Materials with Boosted Charge Transfer for K-Ion Batteries. <i>Surfaces</i> , 2020, 3, 1-10.	1.0	9
120	Regulating Lithium Nucleation and Deposition via MOF-Derived Co-Modified Carbon Cloth for Stable Li Metal Anode. <i>Advanced Functional Materials</i> , 2020, 30, 1909159.	7.8	170
121	Guidelines and trends for next-generation rechargeable lithium and lithium-ion batteries. <i>Chemical Society Reviews</i> , 2020, 49, 1569-1614.	18.7	1,326
122	Ionogel-based sodium ion micro-batteries with a 3D Na-ion diffusion mechanism enable ultrahigh rate capability. <i>Energy and Environmental Science</i> , 2020, 13, 821-829.	15.6	82
123	A High-Temperature Na-Ion Battery: Boosting the Rate Capability and Cycle Life by Structure Engineering. <i>Small</i> , 2020, 16, e1906669.	5.2	37
124	Toward High Energy Density All Solid-State Sodium Batteries with Excellent Flexibility. <i>Advanced Energy Materials</i> , 2020, 10, 1903698.	10.2	111
125	Advantageous Functional Integration of Adsorption-Intercalation-Conversion Hybrid Mechanisms in 3D Flexible Nb <sub>2</sub> O <sub>5</sub> @Hard Carbon@MoS <sub>2</sub> @Soft Carbon Fiber Paper Anodes for Ultrafast and Super-Stable Sodium Storage. <i>Advanced Functional Materials</i> , 2020, 30, 1908665.	7.8	67
126	Sodium/Potassium-Ion Batteries: Boosting the Rate Capability and Cycle Life by Combining Morphology, Defect and Structure Engineering. <i>Advanced Materials</i> , 2020, 32, e1904320.	11.1	335



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127	Constructing Co <sub>3</sub> O <sub>4</sub> Nanowires on Carbon Fiber Film as a Lithiophilic Host for Stable Lithium Metal Anodes. Chemistry - an Asian Journal, 2020, 15, 1057-1066.	1.7	13
128	Boosting Potassium Storage Performance of the Cu <sub>2</sub> S Anode <i>via</i> Morphology Engineering and Electrolyte Chemistry. ACS Nano, 2020, 14, 6024-6033.	7.3	156
129	Heterostructures of 2D Molybdenum Dichalcogenide on 2D Nitrogen-Doped Carbon: Superior Potassium-Ion Storage and Insight into Potassium Storage Mechanism. Advanced Materials, 2020, 32, e2000958.	11.1	192
130	Boosting the potassium storage performance of carbon anode via integration of adsorption-intercalation hybrid mechanisms. Nano Energy, 2020, 73, 104807.	8.2	60
131	A Mixed Lithium-Ion Conductive Li <sub>2</sub> S/Li <sub>2</sub> Se Protection Layer for Stable Lithium Metal Anode. Advanced Functional Materials, 2020, 30, 2001607.	7.8	158
132	Binding Nanosized Cobalt Chalcogenides in B,N-Codoped Graphene for Enhanced Sodium Storage. Small Methods, 2019, 3, 1800170.	4.6	48
133	2D material as anode for sodium ion batteries: Recent progress and perspectives. Energy Storage Materials, 2019, 16, 323-343.	9.5	222
134	Lithium-Sulfur Batteries: Self-Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for High-Energy-Density Lithium-Sulfur Batteries (Adv. Mater. 33/2019). Advanced Materials, 2019, 31, 1970236.	11.1	8
135	Three-Dimensional Ordered Macroporous Metal-Organic Framework Single Crystal-Derived Nitrogen-Doped Hierarchical Porous Carbon for High-Performance Potassium-Ion Batteries. Nano Letters, 2019, 19, 4965-4973.	4.5	246
136	A Novel Protective Strategy on High-Voltage LiCoO <sub>2</sub> Cathode for Fast Charging Applications: Li <sub>1.6</sub> Mg <sub>1.6</sub> Sn <sub>2.8</sub> O <sub>8</sub> Double Layer Structure via SnO <sub>2</sub> Surface Modification. Small Methods, 2019, 3, 1900355.	4.6	22
137	Mechanistic Understanding of Metal Phosphide Host for Sulfur Cathode in High-Energy-Density Lithium-Sulfur Batteries. ACS Nano, 2019, 13, 8986-8996.	7.3	215
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