

Sodium Metal Anodes: Emerging Solutions to Dendrite

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A functional SrF ₂ coated separator enabling a robust and dendrite-free solid electrolyte interphase on a lithium metal anode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21349-21361.	5.2	47
2	Cationic shield mediated electrodeposition stability in metal electrodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18442-18450.	5.2	7
3	Sodium-ion battery anodes: Status and future trends. <i>EnergyChem</i> , 2019, 1, 100012.	10.1	217
4	Tin nanoparticles embedded in a carbon buffer layer as preferential nucleation sites for stable sodium metal anodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23747-23755.	5.2	77
5	High Coulombic Efficiency Na ⁺ /O ₂ Batteries Enabled by a Bilayer Ionogel/Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7050-7055.	2.1	11
6	Flexible Amalgam Film Enables Stable Lithium Metal Anodes with High Capacities. <i>Angewandte Chemie</i> , 2019, 131, 18637-18641.	1.6	7
7	Electrochemically Stable Sodium Metal/Te/Carbon Nanorods Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1903046.	10.2	33
8	Ni-Particle-Embedded Bilayer Gel Polymer Electrolyte for Highly Stable Lithium Metal Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 8310-8318.	2.5	5
9	Flexible Amalgam Film Enables Stable Lithium Metal Anodes with High Capacities. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18466-18470.	7.2	67
10	A Sodiophilic Interphase-Mediated, Dendrite-Free Anode with Ultrahigh Specific Capacity for Sodium-Metal Batteries. <i>Angewandte Chemie</i> , 2019, 131, 17210-17216.	1.6	49
11	A Sodiophilic Interphase-Mediated, Dendrite-Free Anode with Ultrahigh Specific Capacity for Sodium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17054-17060.	7.2	119
12	Correlation of Structure and Performance of Hard Carbons as Anodes for Sodium Ion Batteries. <i>Chemistry of Materials</i> , 2019, 31, 7288-7299.	3.2	94
13	Mitigating concentration polarization for highly reversible plating/stripping electrochemistry: Li versus Na. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23216-23224.	5.2	11
14	Sulfur-Grafted Hollow Carbon Spheres for Potassium-Ion Battery Anodes. <i>Advanced Materials</i> , 2019, 31, e1900429.	11.1	235
15	Stable cycling of Na metal anodes in a carbonate electrolyte. <i>Chemical Communications</i> , 2019, 55, 14375-14378.	2.2	38
16	Building Better Batteries in the Solid State: A Review. <i>Materials</i> , 2019, 12, 3892.	1.3	168
17	Advances in sodium secondary batteries utilizing ionic liquid electrolytes. <i>Energy and Environmental Science</i> , 2019, 12, 3247-3287.	15.6	129
18	Advanced carbon nanostructures for future high performance sodium metal anodes. <i>Energy Storage Materials</i> , 2020, 25, 811-826.	9.5	114

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19	Three dimensional frameworks of super ionic conductor for thermodynamically and dynamically favorable sodium metal anode. Nano Energy, 2020, 70, 104479.	8.2	34
20	Dendrite-free Potassium Metal Anodes in a Carbonate Electrolyte. Advanced Materials, 2020, 32, e1906735.	11.1	107
21	Metal-Semiconductor Phase Twinned Hierarchical MoS ₂ Nanowires with Expanded Interlayers for Sodium-Ion Batteries with Ultralong Cycle Life. Small, 2020, 16, e1906607.	5.2	74
22	Embedding a percolated dual-conductive skeleton with high sodiophilicity toward stable sodium metal anodes. Nano Energy, 2020, 69, 104387.	8.2	70
23	Site-Specific Sodiation Mechanisms of Selenium in Microporous Carbon Host. Nano Letters, 2020, 20, 918-928.	4.5	30
24	Electrode Engineering by Atomic Layer Deposition for Sodium-Ion Batteries: From Traditional to Advanced Batteries. Advanced Functional Materials, 2020, 30, 1906890.	7.8	36
25	MXene-Based Dendrite-Free Potassium Metal Batteries. Advanced Materials, 2020, 32, e1906739.	11.1	244
26	Research Progresses on Interfaces in Solid-State Sodium Batteries: A Topic Review. Advanced Materials Interfaces, 2020, 7, 2001444.	1.9	23
27	Sodium Deposition with a Controlled Location and Orientation for Dendrite-Free Sodium Metal Batteries. Advanced Energy Materials, 2020, 10, 2002308.	10.2	69
28	Sodium plating and stripping from Na ⁺ -alumina ceramics beyond 1000 Åm/cm ² . Materials Today Energy, 2020, 18, 100515.	2.5	14
29	Review of Emerging Concepts in SEI Analysis and Artificial SEI Membranes for Lithium, Sodium, and Potassium Metal Battery Anodes. Advanced Energy Materials, 2020, 10, 2002297.	10.2	292
30	Recently advances and perspectives of anode-free rechargeable batteries. Nano Energy, 2020, 78, 105344.	8.2	108
31	Revitalising sodium-sulfur batteries for non-high-temperature operation: a crucial review. Energy and Environmental Science, 2020, 13, 3848-3879.	15.6	172
32	Porous BN Nanofibers Enable Long-Cycling Life Sodium Metal Batteries. Small, 2020, 16, e2002671.	5.2	11
33	Novel synthesis of highly phosphorus-doped carbon as an ultrahigh-rate anode for sodium ion batteries. Carbon, 2020, 168, 448-457.	5.4	52
34	Enabling ultrahigh rate and capacity sodium metal anodes with lightweight solid additives. Energy Storage Materials, 2020, 32, 244-252.	9.5	22
35	Different Behaviors of Metal Penetration in Na and Li Solid Electrolytes. ACS Applied Materials & Interfaces, 2020, 12, 53781-53787.	4.0	12
36	Effects of Carbon-Based Electrode Materials for Excess Sodium Metal Anode Engineered Rechargeable Sodium Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 17697-17706.	3.2	10

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37	A review on recent approaches for designing the SEI layer on sodium metal anodes. <i>Materials Advances</i> , 2020, 1, 3143-3166.	2.6	42
38	A New Polyanion Na ₃ Fe ₂ (PO ₄) ₂ O ₇ Cathode with High Electrochemical Performance for Sodium-Ion Batteries. <i>ACS Energy Letters</i> , 2020, 5, 3788-3796.	8.8	62
39	Stack Pressure Effect in Li ₃ PS ₄ and Na ₃ PS ₄ Based Alkali Metal Solid-State Cells: The Dramatic Implication of Interlayer Growth. <i>Chemistry of Materials</i> , 2020, 32, 10501-10510.	3.2	20
40	Biomimetic composite architecture achieves ultrahigh rate capability and cycling life of sodium ion battery cathodes. <i>Applied Physics Reviews</i> , 2020, 7, .	5.5	15
41	Low-Temperature Molten Sodium Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 11456-11462.	2.5	18
42	Toward a Quantum Leap in Sustainable Energy: High-Performance Sodium-Oxygen Battery with Abundant, Low-Cost, and Safe Ingredients. <i>ACS Central Science</i> , 2020, 6, 1866-1868.	5.3	1
43	Flexible Quasi-Solid-State Sodium Battery for Storing Pulse Electricity Harvested from Triboelectric Nanogenerators. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39342-39351.	4.0	19
44	Revealing the role of crystal orientation of protective layers for stable zinc anode. <i>Nature Communications</i> , 2020, 11, 3961.	5.8	378
45	Ion-Solvent Chemistry-Inspired Cation-Additive Strategy to Stabilize Electrolytes for Sodium-Metal Batteries. <i>CheM</i> , 2020, 6, 2242-2256.	5.8	116
46	An Implantable Artificial Protective Layer Enables Stable Sodium Metal Anodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 8688-8694.	2.5	32
47	Visualizing the growth process of sodium microstructures in sodium batteries by in-situ ²³ Na MRI and NMR spectroscopy. <i>Nature Nanotechnology</i> , 2020, 15, 883-890.	15.6	95
48	3D printed rGO/CNT microlattice aerogel for a dendrite-free sodium metal anode. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19843-19854.	5.2	82
49	Effects of Temperature on Amine-Mediated CO ₂ Capture and Conversion in Li Cells. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18877-18885.	1.5	4
50	Stable Potassium Metal Anodes with an All-Aluminum Current Collector through Improved Electrolyte Wetting. <i>Advanced Materials</i> , 2020, 32, e2002908.	11.1	70
51	Room-Temperature Flexible Quasi-Solid-State Rechargeable Na-O ₂ Batteries. <i>ACS Central Science</i> , 2020, 6, 1955-1963.	5.3	25
52	Sodiophilically Graded Gold Coating on Carbon Skeletons for Highly Stable Sodium Metal Anodes. <i>Small</i> , 2020, 16, e2003815.	5.2	37
53	Intrinsically high efficiency sodium metal anode. <i>Science China Chemistry</i> , 2020, 63, 1557-1562.	4.2	7
54	Solid electrolyte interphase (SEI) in potassium ion batteries. <i>Energy and Environmental Science</i> , 2020, 13, 4583-4608.	15.6	187

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55	Solid Electrolyte Interphases on Sodium Metal Anodes. <i>Advanced Functional Materials</i> , 2020, 30, 2004891.	7.8	154
56	Interface engineering of inorganic solid-state electrolytes for high-performance lithium metal batteries. <i>Energy and Environmental Science</i> , 2020, 13, 3780-3822.	15.6	96
57	Tutorial review on structure–dendrite growth relations in metal battery anode supports. <i>Chemical Society Reviews</i> , 2020, 49, 7284-7300.	18.7	130
58	Engineering high-energy-density sodium battery anodes for improved cycling with superconcentrated ionic-liquid electrolytes. <i>Nature Materials</i> , 2020, 19, 1096-1101.	13.3	156
59	Core–Shell C@Sb Nanoparticles as a Nucleation Layer for High-Performance Sodium Metal Anodes. <i>Nano Letters</i> , 2020, 20, 4464-4471.	4.5	75
60	Composite sodium metal anodes for practical applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15399-15416.	5.2	36
61	Encapsulating sodium deposition into carbon rhombic dodecahedron guided by sodiophilic sites for dendrite-free Na metal batteries. <i>Energy Storage Materials</i> , 2020, 30, 1-8.	9.5	57
62	Recent Advances in Vanadium-Based Aqueous Rechargeable Zinc-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2000477.	10.2	265
63	Solid-State Electrolyte Materials for Sodium Batteries: Towards Practical Applications. <i>ChemElectroChem</i> , 2020, 7, 2693-2713.	1.7	72
64	Emerging Potassium Metal Anodes: Perspectives on Control of the Electrochemical Interfaces. <i>Accounts of Chemical Research</i> , 2020, 53, 1161-1175.	7.6	105
65	Combining theories and experiments to understand the sodium nucleation behavior towards safe sodium metal batteries. <i>Chemical Society Reviews</i> , 2020, 49, 3783-3805.	18.7	161
66	Building an artificial solid electrolyte interphase with high-uniformity and fast ion diffusion for ultralong-life sodium metal anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16232-16237.	5.2	43
67	Enhanced ionic conductivity of an F [•] -assisted Na ₃ Zr ₂ Si ₂ PO ₁₂ solid electrolyte for solid-state sodium batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12594-12602.	5.2	52
68	Nonwoven rGO Fiber–Aramid Separator for High-Speed Charging and Discharging of Li Metal Anode. <i>Advanced Energy Materials</i> , 2020, 10, 2001479.	10.2	36
69	3D uniform nitrogen-doped carbon skeleton for ultra-stable sodium metal anode. <i>Nano Research</i> , 2020, 13, 2136-2142.	5.8	75
70	Spontaneous and field-induced crystallographic reorientation of metal electrodeposits at battery anodes. <i>Science Advances</i> , 2020, 6, eabb1122.	4.7	143
71	Overcoming the Unfavorable Kinetics of Na ₃ V ₂ (PO ₄) ₂ F ₃ /SnP _x Full-Cell Sodium-Ion Batteries for High Specific Energy and Energy Efficiency. <i>Advanced Functional Materials</i> , 2020, 30, 2003086.	7.8	27
72	Spherical sodium metal deposition and growth mechanism study in three-electrode sodium-ion full-cell system. <i>Journal of Power Sources</i> , 2020, 455, 227919.	4.0	9

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73	Spinel rGO Wrapped CoV ₂ O ₄ Nanocomposite as a Novel Anode Material for Sodium-Ion Batteries. <i>Polymers</i> , 2020, 12, 555.	2.0	15
74	Unveiling the Advances of 2D Materials for Li/Na-S Batteries Experimentally and Theoretically. <i>Matter</i> , 2020, 2, 323-344.	5.0	115
75	Electrode roughness dependent electrodeposition of sodium at the nanoscale. <i>Nano Energy</i> , 2020, 72, 104721.	8.2	54
76	Performance enhanced high-nickel lithium metal batteries through stable cathode and anode electrolyte interfaces. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2875-2883.	2.5	2
77	3D Porous Self-Standing Sb Foam Anode with a Conformal Indium Layer for Enhanced Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20344-20353.	4.0	26
78	A thermodynamically stable quasi-liquid interface for dendrite-free sodium metal anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6822-6827.	5.2	20
79	Review on nanomaterials for next-generation batteries with lithium metal anodes. <i>Nano Select</i> , 2020, 1, 94-110.	1.9	14
80	Dendrite-Free Sodium Metal Batteries Enabled by the Release of Contact Strain on Flexible and Sodiophilic Matrix. <i>Nano Letters</i> , 2020, 20, 6112-6119.	4.5	42
81	Sodium metal anodes: Deposition and dissolution behaviour and SEI formation. <i>Electrochimica Acta</i> , 2020, 354, 136698.	2.6	43
82	Affinity-engineered carbon nanofibers as a scaffold for Na metal anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14757-14768.	5.2	22
83	Design strategies for nonaqueous multivalent-ion and monovalent-ion battery anodes. <i>Nature Reviews Materials</i> , 2020, 5, 276-294.	23.3	284
84	Redox-Active Functional Electrolyte for High-Performance Seawater Batteries. <i>ChemSusChem</i> , 2020, 13, 2220-2224.	3.6	17
85	An amalgam route to stabilize potassium metal anodes over a wide temperature range. <i>Chemical Communications</i> , 2020, 56, 3512-3515.	2.2	43
86	High Capacity Adsorption-Dominated Potassium and Sodium Ion Storage in Activated Crumpled Graphene. <i>Advanced Energy Materials</i> , 2020, 10, 1903280.	10.2	72
87	Dendrite-Free Sodium Metal Anodes Enabled by a Sodium Benzenedithiolate-Rich Protection Layer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6596-6600.	7.2	89
88	Dendrite-Free Sodium Metal Anodes Enabled by a Sodium Benzenedithiolate-Rich Protection Layer. <i>Angewandte Chemie</i> , 2020, 132, 6658-6662.	1.6	33
89	Surface diffusion manifestation in electrodeposition of metal anodes. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11286-11295.	1.3	53
90	Solutions for Dendrite Growth of Electrodeposited Zinc. <i>ACS Omega</i> , 2020, 5, 10225-10227.	1.6	25

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91	An <i>in situ</i> formed LiF protective layer on a Li metal anode with solvent-less cross-linking. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3282-3287.	2.5	17
92	Gradiently Sodiated Alucone as an Interfacial Stabilizing Strategy for Solid-State Na Metal Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2001118.	7.8	53
93	Review of Emerging Potassium-Sulfur Batteries. <i>Advanced Materials</i> , 2020, 32, e1908007.	11.1	91
94	Strain Dependence of Metal Anode Surface Properties. <i>ChemSusChem</i> , 2020, 13, 3147-3153.	3.6	12
95	Toward Green Battery Cells: Perspective on Materials and Technologies. <i>Small Methods</i> , 2020, 4, 2000039.	4.6	177
96	An artificial metal-alloy interphase for high-rate and long-life sodium-sulfur batteries. <i>Energy Storage Materials</i> , 2020, 29, 1-8.	9.5	91
97	Scalable synthesizing nanospherical Na ₄ Fe ₃ (PO ₄) ₂ (P ₂ O ₇) growing on MCNTs as a high-performance cathode material for sodium-ion batteries. <i>Journal of Power Sources</i> , 2020, 461, 228130.	4.0	55
98	Sodium Biphenyl as Anolyte for Sodium-Seawater Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2001249.	7.8	24
99	Rational design of high nitrogen-doped and core-shell/mesoporous carbon nanospheres with high rate capability and cycling longevity for pseudocapacitive sodium storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9768-9775.	5.2	28
100	Sodiophilicity/potassiophilicity chemistry in sodium/potassium metal anodes. <i>Journal of Energy Chemistry</i> , 2020, 51, 1-6.	7.1	69
101	Anode-Free Full Cells: A Pathway to High-Energy Density Lithium-Metal Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2000804.	10.2	232
102	Stabilization Perspective on Metal Anodes for Aqueous Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2000962.	10.2	106
103	A robust, highly reversible, mixed conducting sodium metal anode. <i>Science Bulletin</i> , 2021, 66, 179-186.	4.3	29
104	A room temperature alloying strategy to enable commercial metal foil for efficient Li/Na storage and deposition. <i>Energy Storage Materials</i> , 2021, 34, 708-715.	9.5	15
105	PAANA-induced ductile SEI of bare micro-sized FeS enables high sodium-ion storage performance. <i>Science China Materials</i> , 2021, 64, 105-114.	3.5	23
106	Sodiophilic Zn/SnO ₂ porous scaffold to stabilize sodium deposition for sodium metal batteries. <i>Chemical Engineering Journal</i> , 2021, 404, 126469.	6.6	35
107	Challenges of today for Na-based batteries of the future: From materials to cell metrics. <i>Journal of Power Sources</i> , 2021, 482, 228872.	4.0	169
108	Inorganic sodium solid-state electrolyte and interface with sodium metal for room-temperature metal solid-state batteries. <i>Energy Storage Materials</i> , 2021, 34, 28-44.	9.5	63

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109	Bifunctional Effects of Cation Additive on Na ⁺ Batteries. <i>Angewandte Chemie</i> , 2021, 133, 3242-3248.	1.6	9
110	Bifunctional Effects of Cation Additive on Na ⁺ Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3205-3211.	7.2	35
111	2D Sn/C freestanding frameworks as a robust nucleation layer for highly stable sodium metal anodes with a high utilization. <i>Nano Energy</i> , 2021, 79, 105457.	8.2	46
112	Lithium-activated Sn/graphene alternating nanolayers enable dendrite-free cycling of thin sodium metal anodes in carbonate electrolyte. <i>Energy and Environmental Science</i> , 2021, 14, 382-395.	15.6	65
113	Deeply Cycled Sodium Metal Anodes at Low Temperature and in Lean Electrolyte Conditions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5978-5983.	7.2	49
114	Deeply Cycled Sodium Metal Anodes at Low Temperature and in Lean Electrolyte Conditions. <i>Angewandte Chemie</i> , 2021, 133, 6043-6048.	1.6	33
115	A Self-Sodiophilic Carbon Host Promotes the Cyclability of Sodium Anode. <i>Advanced Functional Materials</i> , 2021, 31, 2007556.	7.8	30
116	In-situ constructing a supersodiophilic fluffy surface layer on a Cu foam host for stable Na metal anodes. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157371.	2.8	15
117	Enhanced processability and electrochemical cyclability of metallic sodium at elevated temperature using sodium alloy composite. <i>Energy Storage Materials</i> , 2021, 35, 310-316.	9.5	26
118	Manipulating Electrode/Electrolyte Interphases of Sodium-Ion Batteries: Strategies and Perspectives. , 2021, 3, 18-41.		90
119	Polymer electrolytes for sodium-ion batteries. <i>Energy Storage Materials</i> , 2021, 36, 10-30.	9.5	82
120	Stable Sodium Metal Anode Enabled by an Interface Protection Layer Rich in Organic Sulfide Salt. <i>Nano Letters</i> , 2021, 21, 619-627.	4.5	58
121	Research Progress and Future Perspectives on Rechargeable Na ⁺ and Na ⁺ Batteries. <i>Energy and Environmental Materials</i> , 2021, 4, 158-177.	7.3	25
122	Metal-organic frameworks containing solid-state electrolytes for lithium metal batteries and beyond. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1771-1794.	3.2	34
123	Electrochemical deposition mechanism of sodium and potassium. <i>Energy Storage Materials</i> , 2021, 36, 91-98.	9.5	30
124	Recent development of Na metal anodes: Interphase engineering chemistries determine the electrochemical performance. <i>Chemical Engineering Journal</i> , 2021, 409, 127943.	6.6	38
125	Hard Carbon Composite Electrodes for Sodium-Ion Batteries with Nano-Zeolite and Carbon Black Additives. <i>Batteries and Supercaps</i> , 2021, 4, 163-172.	2.4	17
126	Sodiated Na _x SnSb nanoparticles embedded in N-doped graphene sponges direct uniform Na nucleation and smooth plating for high efficiency Na metal batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6123-6130.	5.2	9

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127	Recent advanced skeletons in sodium metal anodes. Energy and Environmental Science, 0, , .	15.6	69
128	SEI Formation on Sodium Metal Electrodes in Superconcentrated Ionic Liquid Electrolytes and the Effect of Additive Water. ACS Applied Materials & Interfaces, 2021, 13, 5706-5720.	4.0	34
129	Liquid-Phase Synthesis of Nanosized Na ₁₁ Sn ₂ PS ₁₂ Solid Electrolytes for Room Temperature All-Solid-State Sodium Batteries. ACS Applied Energy Materials, 2021, 4, 1467-1473.	2.5	10
130	3D Ag@C Cloth for Stable Anode Free Sodium Metal Batteries. Small Methods, 2021, 5, e2001050.	4.6	51
131	Stabilizing Na metal anode with NaF interface on spent cathode carbon from aluminum electrolysis. Chemical Communications, 2021, 57, 7561-7564.	2.2	11
132	Homogenous metallic deposition regulated by defect-rich skeletons for sodium metal batteries. Energy and Environmental Science, 2021, 14, 6381-6393.	15.6	70
133	Frontiers for Room-Temperature Sodium-Sulfur Batteries. ACS Energy Letters, 2021, 6, 529-536.	8.8	85
134	Advanced Li metal anode by fluorinated metathesis on conjugated carbon networks. Energy and Environmental Science, 2021, 14, 940-954.	15.6	19
135	A biopolymer-based functional separator for stable Li metal batteries with an additive-free commercial electrolyte. Journal of Materials Chemistry A, 2021, 9, 7774-7781.	5.2	25
136	Stable sodium metal anodes with a high utilization enabled by an interfacial layer composed of yolk-shell nanoparticles. Journal of Materials Chemistry A, 2021, 9, 13200-13208.	5.2	21
137	Advanced in situ technology for Li/Na metal anodes: an in-depth mechanistic understanding. Energy and Environmental Science, 2021, 14, 3872-3911.	15.6	27
138	Reactivity-guided formulation of composite solid polymer electrolytes for superior sodium metal batteries. Journal of Materials Chemistry A, 2021, 9, 18632-18643.	5.2	24
139	Engineering nanoreactors for metal-chalcogen batteries. Energy and Environmental Science, 2021, 14, 540-575.	15.6	70
140	A facile method to stabilize sodium metal anodes towards high-performance sodium batteries. Journal of Materials Chemistry A, 2021, 9, 9038-9047.	5.2	34
141	Interphases for Alkali Metal Anodes. , 2022, , 137-145.		0
142	Engineering rGO/MXene Hybrid Film as an Anode Host for Stable Sodium-Metal Batteries. Energy & Fuels, 2021, 35, 4587-4595.	2.5	38
143	Reviving Anode Protection Layer in Na ₂ O Batteries: Failure Mechanism and Resolving Strategy. Advanced Energy Materials, 2021, 11, 2003789.	10.2	22
144	Electroless Formation of a Fluorinated Li/Na Hybrid Interphase for Robust Lithium Anodes. Journal of the American Chemical Society, 2021, 143, 2829-2837.	6.6	119

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145	Isotropic Sulfurized Polyacrylonitrile Interlayer with Homogeneous Na ⁺ Flux Dynamics for Solid-State Na Metal Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2003469.	10.2	31
146	Dendrite-Free and Long-Cycling Sodium Metal Batteries Enabled by Sodium-Ether Cointercalated Graphite Anode. <i>Advanced Functional Materials</i> , 2021, 31, 2009778.	7.8	22
147	Room-Temperature Sodium-Sulfur Batteries and Beyond: Realizing Practical High Energy Systems through Anode, Cathode, and Electrolyte Engineering. <i>Advanced Energy Materials</i> , 2021, 11, 2003493.	10.2	114
148	Synchronous Promotion in Sodiophilicity and Conductivity of Flexible Host via Vertical Graphene Cultivator for Longevous Sodium Metal Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2101233.	7.8	32
149	Addressing the Low Solubility of a Solid Electrolyte Interphase Stabilizer in an Electrolyte by Composite Battery Anode Design. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13354-13361.	4.0	23
150	High-Throughput Ab Initio Investigation of the Elastic Properties of Inorganic Electrolytes for All-Solid-State Na-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 030541.	1.3	8
151	An Overview on Protecting Metal Anodes with Alloy-Type Coating. <i>Batteries and Supercaps</i> , 2021, 4, 1252-1266.	2.4	13
152	The promises, challenges and pathways to room-temperature sodium-sulfur batteries. <i>National Science Review</i> , 2022, 9, nwab050.	4.6	68
153	Solid-State NMR and MRI Spectroscopy for Li/Na Batteries: Materials, Interface, and In Situ Characterization. <i>Advanced Materials</i> , 2021, 33, e2005878.	11.1	35
154	Guiding Sodium Deposition through a Sodiophobic-Sodiophilic Gradient Interfacial Layer for Highly Stable Sodium Metal Anodes. <i>ACS Applied Energy Materials</i> , 2021, 4, 2724-2731.	2.5	32
155	Additive Manufacturing of Electrochemical Energy Storage Systems Electrodes. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000111.	2.8	15
156	Bioselective Synthesis of a Porous Carbon Collector for High-Performance Sodium-Metal Anodes. <i>Journal of the American Chemical Society</i> , 2021, 143, 3280-3283.	6.6	55
157	Hierarchically Designed Nitrogen-Doped MoS ₂ /Silicon Oxycarbide Nanoscale Heterostructure as High-Performance Sodium-Ion Battery Anode. <i>ACS Nano</i> , 2021, 15, 7409-7420.	7.3	78
158	Guided by metal-substrate bonding. <i>Nature Energy</i> , 2021, 6, 331-332.	19.8	4
159	Phase-Transition Interlayer Enables High-Performance Solid-State Sodium Batteries with Sulfide Solid Electrolyte. <i>Advanced Functional Materials</i> , 2021, 31, 2101636.	7.8	15
160	A Decade of Progress on Solid-State Electrolytes for Secondary Batteries: Advances and Contributions. <i>Advanced Functional Materials</i> , 2021, 31, 2100891.	7.8	73
161	Highly stable Na metal anode enabled by a multifunctional hard carbon skeleton. <i>Carbon</i> , 2021, 176, 219-227.	5.4	25
162	Recent Advances in Emerging Non-Lithium Metal-Sulfur Batteries: A Review. <i>Advanced Energy Materials</i> , 2021, 11, 2100770.	10.2	34

#	ARTICLE	IF	CITATIONS
163	A Movable Fe ₂ O ₃ Core in Connected Hierarchical Pores for Ultrafast Intercalation/Deintercalation in Sodium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 5888-5896.	2.5	11
164	Two-dimensional Conducting Metal-Organic Frameworks Enabled Energy Storage Devices. Energy Storage Materials, 2021, 37, 396-416.	9.5	44
165	Probing the Na metal solid electrolyte interphase via cryo-transmission electron microscopy. Nature Communications, 2021, 12, 3066.	5.8	92
166	Status of rechargeable potassium batteries. Nano Energy, 2021, 83, 105792.	8.2	113
167	Dynamic Interfacial Stability Confirmed by Microscopic Optical Operando Experiments Enables High-Rate Anode-Free Na Metal Full Cells. Advanced Science, 2021, 8, 2005006.	5.6	24
168	Hunting Sodium Dendrites in NASICON-Based Solid-State Electrolytes. Energy Material Advances, 2021, 2021, .	4.7	57
169	Stabilisation of the superoxide anion in bis(fluorosulfonyl)imide (FSI) ionic liquid by small chain length phosphonium cations: Voltammetric, DFT modelling and spectroscopic perspectives. Electrochemistry Communications, 2021, 127, 107029.	2.3	4
170	Enabling stable sodium metal cycling by sodiophilic interphase in a polymer electrolyte system. Journal of Energy Chemistry, 2021, 63, 305-311.	7.1	10
171	A Robust Solid-Solid Interface Using Sodium-Tin Alloy Modified Metallic Sodium Anode Paving Way for All-Solid-State Battery. Advanced Energy Materials, 2021, 11, 2101228.	10.2	39
172	Interfacial Protection Engineering of Sodium Nanoparticles toward Dendrite-Free and Long-Life Sodium Metal Battery. Small, 2021, 17, e2102400.	5.2	7
173	Mechanistic Insights into Fast Charging and Discharging of the Sodium Metal Battery Anode: A Comparison with Lithium. Journal of the American Chemical Society, 2021, 143, 13929-13936.	6.6	46
174	Morphology, chemistry, performance trident: Insights from hollow, mesoporous carbon nanofibers for dendrite-free sodium metal batteries. Nano Energy, 2021, 86, 106132.	8.2	34
175	Covalent Organic Frameworks and Their Derivatives for Better Metal Anodes in Rechargeable Batteries. ACS Nano, 2021, 15, 12741-12767.	7.3	71
176	Smoothing the Sodium-Metal Anode with a Self-Regulating Alloy Interface for High-Energy and Sustainable Sodium-Metal Batteries. Advanced Materials, 2021, 33, e2102802.	11.1	50
177	Sodium fluoride-rich solid electrolyte interphase for sodium-metal and sodium-oxygen batteries. Bulletin of the Korean Chemical Society, 2021, 42, 1519-1523.	1.0	13
178	How Can the Electrode Influence the Formation of the Solid Electrolyte Interface?. ACS Energy Letters, 2021, 6, 3307-3320.	8.8	60
179	Porous flexible nitrogen-rich carbon membranes derived from chitosan as free-standing anodes for potassium-ion and sodium-ion batteries. Carbon, 2021, 181, 1-8.	5.4	42
180	From High- to Low-Temperature: The Revival of Sodium-Beta Alumina for Sodium Solid-State Batteries and Supercaps, 2022, 5, .	2.4	29

#	ARTICLE	IF	CITATIONS
181	New Diglyme-based Gel Polymer Electrolytes for Na-based Energy Storage Devices. <i>ChemSusChem</i> , 2021, 14, 4836-4845.	3.6	9
182	Self-standing and high-performance B ₄ C/Sn/acetylene black@reduced graphene oxide films as sodium-ion half/full battery anodes. <i>Applied Materials Today</i> , 2021, 24, 101137.	2.3	5
183	Review on recent progress in manganese-based anode materials for sodium-ion batteries. <i>International Journal of Energy Research</i> , 2022, 46, 667-683.	2.2	13
184	Single Cobalt Atoms Decorated N-doped Carbon Polyhedron Enabled Dendrite-Free Sodium Metal Anode. <i>Small Methods</i> , 2021, 5, e2100833.	4.6	25
185	Progress and innovation of nanostructured sulfur cathodes and metal-free anodes for room-temperature Na-S batteries. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 995-1020.	1.5	1
186	In Situ Constructed Ionic-Electronic Dual-Conducting Scaffold with Reinforced Interface for High-Performance Sodium Metal Anodes. <i>Small</i> , 2021, 17, e2104021.	5.2	17
187	Guiding Uniform Sodium Deposition through Host Modification for Sodium Metal Batteries and Supercaps, 2022, 5, .	2.4	16
188	Liquid Alloying Na-K for Sodium Metal Anodes. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9321-9327.	2.1	9
189	Sodiophilic Au/reduced-graphene-oxide for dendrite free sodium metal anode. <i>Journal of Power Sources</i> , 2021, 507, 230294.	4.0	17
190	Capacity-Limited Na-M foil Anode: toward Practical Applications of Na Metal Anode. <i>Small</i> , 2021, 17, e2102126.	5.2	16
191	Issues and rational design of aqueous electrolyte for Zn-ion batteries. <i>SusMat</i> , 2021, 1, 432-447.	7.8	62
192	Achieving stable Na metal cycling via polydopamine/multilayer graphene coating of a polypropylene separator. <i>Nature Communications</i> , 2021, 12, 5786.	5.8	69
193	N-doped carbon tubes with sodiophilic sites for dendrite free sodium metal anode. <i>Solid State Ionics</i> , 2021, 368, 115711.	1.3	24
194	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
195	Intrinsic low sodium/NASICON interfacial resistance paving the way for room temperature sodium-metal battery. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 418-426.	5.0	28
196	Nitrofullerene as an electrolyte-compatible additive for high-performance sodium metal batteries. <i>Nano Energy</i> , 2021, 89, 106396.	8.2	33
197	Hydrofluoroether-assisted dilution of Na-ion concentrated ionic liquid electrolyte for safe, stable cycling of high-voltage Na-metal batteries. <i>Chemical Engineering Journal</i> , 2021, 425, 130612.	6.6	11
198	Stabilizing sodium metal anode through facile construction of organic-metal interface. <i>Journal of Energy Chemistry</i> , 2022, 66, 133-139.	7.1	24

#	ARTICLE	IF	CITATIONS
199	Uniform nucleation of sodium/lithium in holey carbon nanosheet for stable Na/Li metal anodes. Chemical Engineering Journal, 2022, 427, 130959.	6.6	15
200	Na-iyon Pillerin Anotlarında Karbon Nanoyapıların Kullanımına Özerine Bir Derleme. Journal of Polytechnic, 0, , .	0.4	0
201	Dendrite suppression by anode polishing in zinc-ion batteries. Journal of Materials Chemistry A, 2021, 9, 15355-15362.	5.2	41
202	Recent advances in two-dimensional materials for alkali metal anodes. Journal of Materials Chemistry A, 2021, 9, 5232-5257.	5.2	34
203	Amorphization driven Na-alloying in Si _x Ge _{1-x} alloy nanowires for Na-ion batteries. Journal of Materials Chemistry A, 2021, 9, 20626-20634.	5.2	12
204	Enabling highly reversible sodium metal cycling across a wide temperature range with dual-salt electrolytes. Journal of Materials Chemistry A, 2021, 9, 10992-11000.	5.2	27
205	Additive manufacturing for functionalized nanomaterials breaks limits. , 2021, , 1-34.		5
206	Knocking down the kinetic barriers towards fast-charging and low-temperature sodium metal batteries. Energy and Environmental Science, 2021, 14, 4936-4947.	15.6	96
207	A Protective Layer for Lithium Metal Anode: Why and How. Small Methods, 2021, 5, e2001035.	4.6	55
208	Superior Sodium Metal Anodes Enabled by Sodiophilic Carbonized Coconut Framework with 3D Tubular Structure. Advanced Energy Materials, 2021, 11, 2003699.	10.2	77
209	Controllable constructing alloy dendrites with fractal structure as free-standing electrode for enhanced oxygen evolution. International Journal of Energy Research, 2020, 44, 4249-4259.	2.2	3
210	AlF ₃ -modified anode-electrolyte interface for effective Na dendrites restriction in NASICON-based solid-state electrolyte. Energy Storage Materials, 2020, 30, 170-178.	9.5	86
211	Critical interface between inorganic solid-state electrolyte and sodium metal. Materials Today, 2020, 41, 200-218.	8.3	62
212	SnO ₂ Quantum Dots Enabled Site-Directed Sodium Deposition for Stable Sodium Metal Batteries. Nano Letters, 2021, 21, 816-822.	4.5	46
213	Sodium-Sulfur Batteries Enabled by a Protected Inorganic/Organic Hybrid Solid Electrolyte. ACS Energy Letters, 2021, 6, 345-353.	8.8	34
214	An Ultra-Long-Life Flexible Lithium-Sulfur Battery with Lithium Cloth Anode and Polysulfone-Functionalized Separator. ACS Nano, 2021, 15, 1358-1369.	7.3	53
215	Superionic Conductors via Bulk Interfacial Conduction. Journal of the American Chemical Society, 2020, 142, 18035-18041.	6.6	101
216	An Overview on the Development of Electrochemical Capacitors and Batteries – part II. Anais Da Academia Brasileira De Ciencias, 2020, 92, e20200800.	0.3	3

#	ARTICLE	IF	CITATIONS
217	Implanting a Fire-Extinguishing Alkyl in Sodium Metal Battery Electrolytes via a Functional Molecule. <i>Advanced Functional Materials</i> , 2022, 32, 2109378.	7.8	15
218	A Sodium-Antimony-Telluride Intermetallic Allows Sodium-Metal Cycling at 100% Depth of Discharge and as an Anode-Free Metal Battery. <i>Advanced Materials</i> , 2022, 34, e2106005.	11.1	40
219	Recent Advanced Development of Artificial Interphase Engineering for Stable Sodium Metal Anodes. <i>Small</i> , 2022, 18, e2102250.	5.2	46
220	Ultrastable Na-TiS ₂ battery enabled by in situ construction of gel polymer electrolyte. <i>Journal of Power Sources</i> , 2021, 516, 230653.	4.0	4
221	Revisiting Oxide-Based Sodium Ion Conductors for Next-Generation Batteries. <i>Materia Japan</i> , 2019, 58, 440-448.	0.1	0
222	Current Progress and Future Perspectives of Electrolytes for Rechargeable Aluminum-Ion Batteries. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	20
223	Porosity of Solid Electrolyte Interphases on Alkali Metal Electrodes with Liquid Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51767-51774.	4.0	21
224	Multifunctional Separator Allows Stable Cycling of Potassium Metal Anodes and of Potassium Metal Batteries. <i>Advanced Materials</i> , 2022, 34, e2105855.	11.1	45
225	Liquid Metal-Organic Frameworks In-Situ Derived Interlayer for High-Performance Solid-State Na-Metal Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2102396.	10.2	18
226	Interface Modeling via Tailored Energy Band Alignment: Toward Electrochemically Stabilized All-Solid-State Li-Metal Batteries. <i>Advanced Functional Materials</i> , 2022, 32, 2107555.	7.8	11
227	Homogeneous Na Deposition Enabling High-Energy Na-Metal Batteries. <i>Advanced Functional Materials</i> , 2022, 32, 2110280.	7.8	38
228	Implications of Na-ion solvation on Na anode-electrolyte interphase. <i>Trends in Chemistry</i> , 2022, 4, 48-59.	4.4	26
229	Room-Temperature All-Solid-State Sodium Battery Based on Bulk Interfacial Superionic Conductor. <i>Nano Letters</i> , 2021, 21, 10354-10360.	4.5	14
230	Nanostructured alkali and alkaline earth metal interfaces for high-energy batteries. <i>Frontiers of Nanoscience</i> , 2021, 19, 327-359.	0.3	1
231	Synergistic Manipulation of Na ⁺ Flux and Surface-Preferred Effect Enabling High-Areal-Capacity and Dendrite-Free Sodium Metal Battery. <i>Advanced Science</i> , 2022, 9, e2103845.	5.6	26
232	Flexible composite solid electrolyte with 80 wt% Na _{3.4} Zr _{1.9} Zn _{0.1} Si _{2.2} P _{0.8} O ₁₂ for solid-state sodium batteries. <i>Energy Storage Materials</i> , 2022, 46, 175-181.	9.5	63
233	Ultrastable sodium metal plating/stripping by engineering heterogeneous nucleation on TiO ₂ nanotube arrays. <i>Chemical Engineering Journal</i> , 2022, 431, 134272.	6.6	8
234	Long Cycle Life and High-Rate Sodium Metal Batteries Enabled by Regulating 3D Frameworks with Artificial Solid-State Interphases. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	29

#	ARTICLE	IF	CITATIONS
235	Designing Advanced Liquid Electrolytes for Alkali Metal Batteries: Principles, Progress, and Perspectives. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	19
236	Stabilizing Sodium Metal Anodes with Surfactant-Based Electrolytes and Unraveling the Atomic Structure of Interfaces by Cryo-TEM. <i>Nano Letters</i> , 2022, 22, 1382-1390.	4.5	48
237	Unveiling the Impact of the Cations and Anions in Ionic Liquid/Glyme Hybrid Electrolytes for Na ⁺ /O ₂ Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4022-4034.	4.0	9
238	Constructing effective interface for room-temperature Beta-Al ₂ O ₃ based sodium metal batteries. <i>Journal of Power Sources</i> , 2022, 523, 231034.	4.0	8
239	Fast Charging Limits of Ideally Stable Metal Anodes in Liquid Electrolytes. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	14
240	A fast and high-efficiency electrochemical exfoliation strategy towards antimonene/carbon composites for selective lubrication and sodium ⁺ ion storage applications. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 4957-4965.	1.3	7
241	Electrolytes/Interphases: Enabling Distinguishable Sulfur Redox Processes in Room-Temperature Sodium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	29
242	Deciphering the Role of Fluoroethylene Carbonate towards Highly Reversible Sodium Metal Anodes. <i>Research</i> , 2022, 2022, 9754612.	2.8	23
243	Highly efficient interface stabilization for ambient-temperature quasi-solid-state sodium metal batteries. <i>Chemical Engineering Journal</i> , 2022, 434, 134679.	6.6	15
244	A hybrid dual-salt polymer electrolyte for sodium metal batteries with stable room temperature cycling performance. <i>Energy Storage Materials</i> , 2022, 46, 182-191.	9.5	14
245	Room-temperature liquid metal engineered iron current collector enables stable and dendrite-free sodium metal batteries in carbonate electrolytes. <i>Journal of Materials Science and Technology</i> , 2022, 115, 156-165.	5.6	18
246	A 3D Hierarchical Host with Enhanced Sodiophilicity Enabling Anode-Free Sodium-Metal Batteries. <i>Advanced Materials</i> , 2022, 34, e2109767.	11.1	79
247	Affinity-Engineered Flexible Scaffold toward Energy-Dense, Highly Reversible Na Metal Batteries. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	11
248	Lignin-Based Materials for Sustainable Rechargeable Batteries. <i>Polymers</i> , 2022, 14, 673.	2.0	16
249	The chemical evolution of solid electrolyte interface in sodium metal batteries. <i>Science Advances</i> , 2022, 8, eabm4606.	4.7	48
250	Fabricating Na/In/C Composite Anode with Natrophilic Na-In Alloy Enables Superior Na Ion Deposition in the EC/PC Electrolyte. <i>Nano-Micro Letters</i> , 2022, 14, 23.	14.4	11
251	Highly Efficient Interface Stabilization for Ambient-Temperature Solid-State Sodium Metal Batteries. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
252	The chain-mail Co@C electrocatalyst accelerating one-step solid-phase redox for advanced Li-Se batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8059-8067.	5.2	11

#	ARTICLE	IF	CITATIONS
253	Assessment on the Stable and High-Capacity Na-Se Batteries with Carbonate Electrolytes. SSRN Electronic Journal, 0, , .	0.4	0
254	A Fast-Charging Cathode for Na-Ion Hybrid Supercapacitor. SSRN Electronic Journal, 0, , .	0.4	0
255	Capillary Force Induced the Sodium Metal Infusion in the Sn@Hcnf Scaffold: A Mechanical Flexible Metallic Battery. SSRN Electronic Journal, 0, , .	0.4	0
256	Controlling Li deposition below the interface. EScience, 2022, 2, 47-78.	25.0	110
258	Robust Room-Temperature Sodium-Sulfur Batteries Enabled by a Sandwich-Structured MXene@C/Polyolefin/MXene@C Dual-Functional Separator. Small, 2022, 18, e2106983.	5.2	17
259	Challenge and Strategies in Room Temperature Sodium-Sulfur Batteries: A Comparison with Lithium-Sulfur Batteries. Small, 2022, 18, e2107368.	5.2	32
260	Review of Multifunctional Separators: Stabilizing the Cathode and the Anode for Alkali (Li, Na, and K) Metal-Sulfur and Selenium Batteries. Chemical Reviews, 2022, 122, 8053-8125.	23.0	132
261	Rooting Zn into metallic Na bulk for energetic metal anode. Science China Materials, 2022, 65, 1789-1796.	3.5	9
262	High-Performance Cycling of Na Metal Anodes in Phosphonium and Pyrrolidinium Fluoro(sulfonyl)imide Based Ionic Liquid Electrolytes. ACS Applied Materials & Interfaces, 2022, 14, 15784-15798.	4.0	24
263	Influence of Porosity of Sulfide-Based Artificial Solid Electrolyte Interphases on Their Performance with Liquid and Solid Electrolytes in Li and Na Metal Batteries. ACS Applied Materials & Interfaces, 2022, 14, 16147-16156.	4.0	11
264	Approaching Practically Accessible and Environmentally Adaptive Sodium Metal Batteries with High Loading Cathodes through In Situ Interlock Interface. Advanced Functional Materials, 2022, 32, .	7.8	21
265	Robust artificial interlayer for columnar sodium metal anode. Nano Energy, 2022, 97, 107203.	8.2	26
266	Towards stable sodium metal battery with high voltage output through dual electrolyte design. Energy Storage Materials, 2022, 48, 466-474.	9.5	10
267	In Operando Closed-cell Transmission Electron Microscopy for Rechargeable Battery Characterization: Scientific Breakthroughs and Practical Limitations. Nano Energy, 2022, 96, 107083.	8.2	7
268	Rationally designed alloy phases for highly reversible alkali metal batteries. Energy Storage Materials, 2022, 48, 223-243.	9.5	20
269	Ion-conductive gradient sodiophilic 3D scaffold induced homogeneous sodium deposition for highly stable sodium metal batteries. Nano Energy, 2022, 97, 107202.	8.2	26
270	FeS ₂ @N-C nanorattles encapsulated in N/S dual-doped graphene/carbon nanotube network composites for high performance and high rate capability anodes of sodium-ion batteries. Chemical Engineering Journal, 2022, 439, 135678.	6.6	28
271	Three-dimensional Au/carbon nanotube-graphene foam hybrid nanostructure for dendrite free sodium metal anode with long cycle stability. Journal of Materials Science and Technology, 2022, 118, 199-207.	5.6	11

#	ARTICLE	IF	CITATIONS
272	Ultrathin salt-free polymer-in-ceramic electrolyte for solid-state sodium batteries. <i>EScience</i> , 2021, 1, 194-202.	25.0	47
273	One-Step Synthesis of Na ¹⁵ Sn Alloy with Internal 3D Na ¹⁵ Sn ⁴ Support for Fast and Stable Na Metal Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 20-26.	2.5	6
274	Hard Carbon Anode with a Sodium Carborane Electrolyte for Fast-Charging All-Solid-State Sodium-Ion Batteries. <i>ACS Energy Letters</i> , 2022, 7, 145-149.	8.8	22
275	Assessment on the Stable and High-Capacity Na-Se Batteries with Carbonate Electrolytes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
276	Sodium Metal Anodes with Self-Correction Function Based on Fluorine-Superdoped CNTs/Cellulose Nanofibrils Composite Paper. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	24
277	An in-situ generated Bi-based sodiophilic substrate with high structural stability for high-performance sodium metal batteries. <i>Journal of Energy Chemistry</i> , 2022, 71, 595-603.	7.1	7
278	Direct-ink writing 3D printed energy storage devices: From material selectivity, design and optimization strategies to diverse applications. <i>Materials Today</i> , 2022, 54, 110-152.	8.3	66
279	Hybridization of 2D Nanomaterials with 3D Graphene Architectures for Electrochemical Energy Storage and Conversion. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	26
280	Molybdenum Carbide Electrocatalyst In Situ Embedded in Porous Nitrogen-Rich Carbon Nanotubes Promotes Rapid Kinetics in Sodium-Metal-Sulfur Batteries. <i>Advanced Materials</i> , 2022, 34, e2106572.	11.1	33
282	Anode-less seawater batteries with a Na-ion conducting solid-polymer electrolyte for power to metal and metal to power energy storage. <i>Energy and Environmental Science</i> , 2022, 15, 2610-2618.	15.6	20
283	Ionic Liquid Electrolytes for Next-generation Electrochemical Energy Devices. <i>EnergyChem</i> , 2022, 4, 100075.	10.1	25
284	Anion-Reinforced Solvation for a Gradient Inorganic-Rich Interphase Enables High-Rate and Stable Sodium Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	12
285	High-rate sodium metal batteries enabled by trifluoromethylfullerene additive. <i>Nano Research</i> , 2022, 15, 7172-7179.	5.8	13
286	Atomic Sn-enabled high-utilization, large-capacity, and long-life Na anode. <i>Science Advances</i> , 2022, 8, eabm7489.	4.7	42
287	Stable sodium metal anodes enabled by an in-situ generated mixed-ion/electron-conducting interface. <i>Chemical Engineering Journal</i> , 2022, 446, 136917.	6.6	5
288	Anion-Reinforced Solvation for a Gradient Inorganic-Rich Interphase Enables High-Rate and Stable Sodium Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	66
289	Low-temperature and high-rate sodium metal batteries enabled by electrolyte chemistry. <i>Energy Storage Materials</i> , 2022, 50, 47-54.	9.5	36
290	Achieving Ultrahigh-Rate Planar and Dendrite-Free Zinc Electroplating for Aqueous Zinc Battery Anodes. <i>Advanced Materials</i> , 2022, 34, e2202552.	11.1	88

#	ARTICLE	IF	CITATIONS
291	Applying Classical, <i>Ab Initio</i> , and Machine-Learning Molecular Dynamics Simulations to the Liquid Electrolyte for Rechargeable Batteries. <i>Chemical Reviews</i> , 2022, 122, 10970-11021.	23.0	138
292	Active material and interphase structures governing performance in sodium and potassium ion batteries. <i>Chemical Science</i> , 2022, 13, 6121-6158.	3.7	41
293	Phase selection and microstructure evolution within eutectic Ti-Si alloy solidified at containerless state. <i>Science China Technological Sciences</i> , 2022, 65, 1587-1598.	2.0	1
294	Dendrite-free alkali metal electrodeposition from contact-ion-pair state induced by mixing alkaline earth cation. <i>Cell Reports Physical Science</i> , 2022, 3, 100907.	2.8	4
295	Review of room-temperature liquid metals for advanced metal anodes in rechargeable batteries. <i>Energy Storage Materials</i> , 2022, 50, 473-494.	9.5	35
296	Effects of Interfacial Solvation Structures on the Morphological Stability of Potassium Metal Anodes Revealed by <i>Operando</i> Diagnosis. <i>ACS Applied Energy Materials</i> , 2022, 5, 7124-7133.	2.5	6
297	Interfacial Engineering with a Nanoparticle-Decorated Porous Carbon Structure on γ -Alumina Solid-State Electrolytes for Molten Sodium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 25534-25544.	4.0	8
298	Interfacial engineering to achieve an energy density of over 200 Wh kg^{-1} in sodium batteries. <i>Nature Energy</i> , 2022, 7, 511-519.	19.8	130
299	<i>In situ</i> imaging the dynamics of sodium metal deposition and stripping. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14875-14883.	5.2	6
300	High energy density Na-metal batteries enabled by a tailored carbonate-based electrolyte. <i>Energy and Environmental Science</i> , 2022, 15, 3360-3368.	15.6	57
301	Recent advances in solid-state beyond lithium batteries. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 1851-1869.	1.2	14
302	3D-Printed Sodiophilic $\text{V}_2\text{CT}_x/\text{rGO-CNT MXene}$ Microgrid Aerogel for Stable Na Metal Anode with High Areal Capacity. <i>ACS Nano</i> , 2022, 16, 9105-9116.	7.3	60
303	Metallic Sodium Anodes for Advanced Sodium Metal Batteries: Progress, Challenges and Perspective. <i>Chemical Record</i> , 2022, 22, .	2.9	10
304	Enhanced interphasial stability of hard carbon for sodium-ion battery via film-forming electrolyte additive. <i>Nano Research</i> , 2023, 16, 3823-3831.	5.8	10
305	Sodiophilic skeleton based on the packing of hard carbon microspheres for stable sodium metal anode without dead sodium. <i>Journal of Energy Chemistry</i> , 2022, 73, 400-406.	7.1	11
306	Advances in rechargeable magnesium batteries employing graphene-based materials. <i>Carbon</i> , 2022, 197, 264-281.	5.4	4
307	Toward Emerging Sodium-Based Energy Storage Technologies: From Performance to Sustainability. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	33
308	Assessment on the Stable and High-Capacity Na^+Se Batteries with Carbonate Electrolytes. <i>ChemElectroChem</i> , 2022, 9, .	1.7	3

#	ARTICLE	IF	CITATIONS
309	Graphyne Nanotubes as Promising Sodium-Ion Battery Anodes. <i>Catalysts</i> , 2022, 12, 670.	1.6	4
310	A hybrid solid electrolyte for high-energy solid-state sodium metal batteries. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	10
311	Dual-functional hosts derived from metal-organic frameworks reduce dissolution of polyselenides and inhibit dendrite growth in a sodium-selenium battery. <i>Energy Storage Materials</i> , 2022, 51, 249-258.	9.5	22
312	A simple and effective host for sodium metal anode: a 3D-printed high pyrrolic-N doped graphene microlattice aerogel. <i>Journal of Materials Chemistry A</i> , 2022, 10, 16842-16852.	5.2	23
313	Materials, electrodes and electrolytes advances for next-generation lithium-based anode-free batteries. <i>Oxford Open Materials Science</i> , 2022, 2, .	0.5	5
314	Recent Advances in Carbon-Based Current Collectors/Hosts for Alkali Metal Anodes. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	6
315	Review and prospects for room-temperature sodium-sulfur batteries. <i>Materials Research Letters</i> , 2022, 10, 691-719.	4.1	19
316	Elemental Two-Dimensional Materials for Li/Na-Ion Battery Anode Applications. <i>Chemical Record</i> , 2022, 22, .	2.9	10
317	Formation of Na-F-rich Solid Electrolyte Interphase on Na Anode through Additive-Induced Anion-Enriched Structure of Na ⁺ Solvation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	35
318	Stabilizing Metallic Na Anodes via Sodiophilicity Regulation: A Review. <i>Materials</i> , 2022, 15, 4636.	1.3	6
319	Formation of Na-F-rich Solid Electrolyte Interphase on Na Anode through Additive-Induced Anion-Enriched Structure of Na ⁺ Solvation. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	17
320	The current status of sodium metal anodes for improved sodium batteries and its future perspectives. <i>APL Materials</i> , 2022, 10, .	2.2	7
321	Effect of specifically-adsorbed polysulfides on the electron transfer kinetics of sodium metal anodes. <i>Journal of Energy Chemistry</i> , 2022, 74, 26-33.	7.1	5
322	Tailoring Nitrogen Terminals on MXene Enables Fast Charging and Stable Cycling Na-Ion Batteries at Low Temperature. <i>Nano-Micro Letters</i> , 2022, 14, .	14.4	28
323	Architecture design of MXene-based materials for sodium-chemistry based batteries. <i>Nano Energy</i> , 2022, 101, 107590.	8.2	13
324	Design of Three-Dimensional Metallic Biphenylene Networks for Na-Ion Battery Anodes with a Record High Capacity. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32043-32055.	4.0	7
325	Inhibiting dendrite growth of electrodeposited zinc via an applied capacitor. <i>Journal of Electroanalytical Chemistry</i> , 2022, 920, 116597.	1.9	6
326	Dendrite-free and corrosion-resistant sodium metal anode for enhanced sodium batteries. <i>Applied Surface Science</i> , 2022, 600, 154168.	3.1	15

#	ARTICLE	IF	CITATIONS
327	Constructing Bidirectional Fluorine-Rich Electrode/Electrolyte Interphase Via Solvent Redistribution toward Long-Term Sodium Battery. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	7
328	Resource utilization strategies for spent pot lining: A review of the current state. <i>Separation and Purification Technology</i> , 2022, 300, 121816.	3.9	12
329	A high-performance room-temperature magnesium ion battery with self-healing liquid alloy anode mediated with a bifunctional intermetallic compound. <i>Chemical Engineering Journal</i> , 2022, 450, 138176.	6.6	5
330	Progress in the development of solid-state electrolytes for reversible room-temperature sodium-sulfur batteries. <i>Materials Advances</i> , 2022, 3, 6415-6440.	2.6	26
331	Sodiophilic silver nanoparticles anchoring on vertical graphene modified carbon cloth for longevous sodium metal anodes. <i>Ionics</i> , 2022, 28, 4641-4651.	1.2	11
332	Catalytic Effects of Electrodes and Electrolytes in Metal-Sulfur Batteries: Progress and Prospective. <i>Advanced Materials</i> , 2022, 34, .	11.1	22
333	In Situ Plating of Mg Sodiophilic Seeds and Evolving Sodium Fluoride Protective Layers for Superior Sodium Metal Anodes. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	26
334	Carbon-Confined Two-Dimensional Sodiophilic Sites Boosted Dendrite-Free Sodium Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 35873-35882.	4.0	9
335	In Situ Construction of Sodiophilic Alloy Interface Enabled Homogenous Na Nucleation and Deposition for Sodium Metal Anode. <i>Journal of the Electrochemical Society</i> , 2022, 169, 080521.	1.3	10
336	Initial Stages of Sodium Deposition onto Au(111) from [MPPip][TFSI]: An In-situ STM Study for Sodium-ion Battery Electrolytes. <i>ChemElectroChem</i> , 2022, 9, .	1.7	1
337	Highly Reversible Sodium Metal Battery Anodes via Alloying Heterointerfaces. <i>Small</i> , 2022, 18, .	5.2	14
338	Low-Cost, High-Energy Na-Ion Hybrid Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 10675-10684.	3.2	10
339	Design of a 3D mixed conducting scaffold toward stable metallic sodium anodes. <i>Rare Metals</i> , 2022, 41, 3336-3342.	3.6	9
340	Challenges and Opportunities of Ionic Liquid Electrolytes for Rechargeable Batteries. <i>Crystal Growth and Design</i> , 2022, 22, 5770-5784.	1.4	10
341	Tug-of-War in the Selection of Materials for Battery Technologies. <i>Batteries</i> , 2022, 8, 105.	2.1	7
342	Interfacial engineering on metal anodes in rechargeable batteries. <i>EnergyChem</i> , 2022, 4, 100089.	10.1	12
343	Capillary force induced the sodium metal infusion in the Sn@HCNF scaffold: A mechanical flexible metallic battery. <i>Journal of Power Sources</i> , 2022, 545, 231885.	4.0	0
344	Constructing low N/P ratio sodium-based batteries by reversible Na metal electrodeposition on sodiophilic zinc-metal-decorated hard carbons. <i>Journal of Power Sources</i> , 2022, 544, 231862.	4.0	3

#	ARTICLE	IF	CITATIONS
345	Enhanced ion transport kinetics and sodiophilicity for Na metal batteries enabled by VPO4. <i>Materials Today Chemistry</i> , 2022, 26, 101087.	1.7	0
346	Scenario of High Energy Density and Long Cycling Life in a Novel Na ₃ MnCr ₀ Zr ₉ O ₇ Cathode. <i>Energy and Environmental Materials</i> , 2024, 7, .	7.8	1
347	Montmorillonite as a sodium-ion conductor interface for stable sodium metal anodes. <i>Journal of Power Sources</i> , 2022, 548, 232038.	4.0	10
348	Performance analysis of Na-ion batteries by machine learning. <i>Journal of Power Sources</i> , 2022, 549, 232126.	4.0	5
349	Designing fluorine-free electrolytes for stable sodium metal anodes and high-power seawater batteries via SEI reconstruction. <i>Energy and Environmental Science</i> , 2022, 15, 4109-4118.	15.6	26
350	Effects of alkali ion dopants on the transport mechanisms and the thermal stabilities of imidazolium-based organic ionic plastic crystals. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 25171-25181.	1.3	3
351	Na ₂ B ₁₁ H ₁₃ and Na ₁₁ (B ₁₁ H ₁₄) ₃ (B ₁₁ H ₁₃) ₄ as potential solid-state electrolytes for Na-ion batteries. <i>Dalton Transactions</i> , 2022, 51, 13848-13857.	5.6	4
352	Emerging two-dimensional nanostructured manganese-based materials for electrochemical energy storage: recent advances, mechanisms, challenges, and prospects. <i>Journal of Materials Chemistry A</i> , 2022, 10, 21197-21250.	5.2	43
353	Solid electrolytes for solid-state Li/Na-metal batteries: inorganic, composite and polymeric materials. <i>Chemical Communications</i> , 2022, 58, 12035-12045.	2.2	10
354	Montmorillonite as a Sodium-Ion Conductor Interface for Stable Sodium Metal Anodes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
355	Dual-Use of Seawater Batteries for Energy Storage and Water Desalination. <i>Small</i> , 2022, 18, .	5.2	20
356	Suppression of Gas Crossover and Dendrite Growth in Sodium-Gas Batteries across a Wide Operating Temperature Range. <i>ACS Nano</i> , 2022, 16, 17965-17972.	7.3	3
357	Atomic and Molecular Layer Deposition as Surface Engineering Techniques for Emerging Alkali Metal Rechargeable Batteries. <i>Molecules</i> , 2022, 27, 6170.	1.7	4
358	Promoting Fast Na Ion Transport at Low Temperatures for Sodium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 40985-40991.	4.0	6
359	Sodium Dual-Ion Batteries with Concentrated Electrolytes. <i>ChemSusChem</i> , 2023, 16, .	3.6	7
360	Enhanced High-Rate Capability and Long Cycle Stability of FeS@NCG Nanofibers for Sodium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 44303-44316.	4.0	10
361	Sodiophilic Current Collectors Based on MOF-Derived Nanocomposites for Anode-Less Na-Metal Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	26
362	Stable Sodium-Metal Batteries in Carbonate Electrolytes Achieved by Bifunctional, Sustainable Separators with Tailored Alignment. <i>Advanced Materials</i> , 2022, 34, .	11.1	15

#	ARTICLE	IF	CITATIONS
363	High-Voltage and Intrinsically Safe Sodium Metal Batteries Enabled by Nonflammable Fluorinated Phosphate Electrolytes. ACS Applied Materials & Interfaces, 2022, 14, 43387-43396.	4.0	7
364	Pressure- and Temperature-Dependent Interface Kinetics in Na ₃ Zr ₂ Si ₂ PO ₁₂ -Based All-Solid-State Na Metal Battery. Energy Technology, 0, , 2200658.	1.8	1
365	Liquid metal arene complex for next-generation batteries. Materials Today Energy, 2022, 30, 101156.	2.5	3
366	Deformation-tolerant metal anodes for flexible sodium-air fiber batteries. EScience, 2022, 2, 606-614.	25.0	20
367	An ultra-low concentration electrolyte with fluorine-free bulky anions for stable potassium metal batteries. Nano Research, 2023, 16, 8290-8296.	5.8	5
368	NaF-rich protective layer on PTFE coating microcrystalline graphite for highly stable Na metal anodes. Nano Research, 2023, 16, 2436-2444.	5.8	6
369	Sodiophilic three-dimensional carbon skeleton derived from polyacrylonitrile@zeolitic imidazolate framework fiber for dendrite-free sodium metal anode. Journal of Power Sources, 2022, 551, 232165.	4.0	3
370	Battery materials. , 2023, , 308-363.		0
371	A Carboranyl Electrolyte Enabling Highly Reversible Sodium Metal Anodes via a Fluorine-Free SEI. Angewandte Chemie - International Edition, 2022, 61, .	7.2	29
372	3D Sodiophilic Ti ₃ C ₂ MXene@g-C ₃ N ₄ Hetero-Interphase Raises the Stability of Sodium Metal Anodes. ACS Nano, 2022, 16, 17197-17209.	7.3	26
373	Recent Progress in Rechargeable Sodium Metal Batteries: A Review. Chemistry - A European Journal, 2023, 29, .	1.7	10
374	NaPON Doping of Na ₄ P ₂ S ₇ Glass and Its Effects on the Structure and Properties of Mixed Oxy-Sulfide-Nitride Phosphate Glass. Inorganic Chemistry, 2022, 61, 17469-17484.	1.9	4
375	Gradient Designs for Efficient Sodium Batteries. ACS Energy Letters, 2022, 7, 4106-4117.	8.8	16
376	Regulating Na Electrodeposition by Sodiophilic Grafting onto Porosity-Gradient Gel Polymer Electrolytes for Dendrite-Free Sodium Metal Batteries. ACS Applied Materials & Interfaces, 2022, 14, 47650-47658.	4.0	5
377	A Carboranyl Electrolyte Enabling Highly Reversible Sodium Metal Anodes via a Fluorine-Free SEI. Angewandte Chemie, 0, , .	1.6	0
378	Single-Atom Yttrium Engineering Janus Electrode for Rechargeable Na-S Batteries. Journal of the American Chemical Society, 2022, 144, 18995-19007.	6.6	68
379	Recent Development of Electrolyte Engineering for Sodium Metal Batteries. Batteries, 2022, 8, 157.	2.1	7
380	Locking Active Li Metal through Localized Redistribution of Fluoride Enabling Stable Li-Metal Batteries. Advanced Materials, 2023, 35, .	11.1	26

#	ARTICLE	IF	CITATIONS
381	From lithium to emerging mono- and multivalent-cation-based rechargeable batteries: non-aqueous organic electrolyte and interphase perspectives. <i>Energy and Environmental Science</i> , 2023, 16, 11-52.	15.6	35
382	Sodium-ion conducting pseudosolid electrolyte for energy-dense, sodium-metal batteries. <i>Journal of Power Sources</i> , 2023, 554, 232305.	4.0	2
383	Atomically dispersed Co-N4C2 catalytic sites for wide-temperature Na-Se batteries. <i>Nano Energy</i> , 2023, 105, 108005.	8.2	7
384	Electrode/Electrolyte Interphases of Sodium-Ion Batteries. <i>Energies</i> , 2022, 15, 8615.	1.6	7
385	Phase-structure design for sodium chloride solid electrolytes with outstanding performance: a first-principles approach. <i>Journal of Materials Chemistry A</i> , 2023, 11, 1906-1919.	5.2	5
386	Comprehensive review on latest advances on rechargeable batteries. <i>Journal of Energy Storage</i> , 2023, 57, 106204.	3.9	16
387	3D printed Au/rGO microlattice host for dendrite-free sodium metal anode. <i>Energy Storage Materials</i> , 2023, 55, 631-641.	9.5	22
388	Solid electrolyte membrane-containing rechargeable high-temperature molten salt electrolyte-based batteries. <i>Sustainable Energy and Fuels</i> , 2023, 7, 330-354.	2.5	2
389	Ultra-thin Single-Particle-Layer Sodium Beta-Alumina-Based Composite Polymer Electrolyte Membrane for Sodium-Metal Batteries. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	15
390	Stable Anode-Free All-Solid-State Lithium Battery through Tuned Metal Wetting on the Copper Current Collector. <i>Advanced Materials</i> , 2023, 35, .	11.1	23
391	Metal Anodes with Ultrahigh Reversibility Enabled by the Closest Packing Crystallography for Sustainable Batteries. <i>Advanced Materials</i> , 2023, 35, .	11.1	22
392	Nafion Inhibits Polysulfide Crossover in Hybrid Nonaqueous Redox Flow Batteries. <i>Journal of Physical Chemistry C</i> , 2022, 126, 21188-21195.	1.5	2
393	Probing the Solid-State Chemical Bonding of Energy-Storage-Relevant Na Materials at the Nanoscale using Low-Loss Electron Energy Loss Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2023, 127, 142-153.	1.5	0
394	Designing Solid Electrolyte Interfaces towards Homogeneous Na Deposition: Theoretical Guidelines for Electrolyte Additives and Superior High-Rate Cycling Stability. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	20
395	Designing Solid Electrolyte Interfaces towards Homogeneous Na Deposition: Theoretical Guidelines for Electrolyte Additives and Superior High-Rate Cycling Stability. <i>Angewandte Chemie</i> , 0, , .	1.6	0
396	Lithiophilic Wetting Agent Inducing Interfacial Fluorination for Long-Lifespan Anode-Free Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2023, 13, .	10.2	15
397	Small-Scale Hybrid and Polygeneration Renewable Energy Systems: Energy Generation and Storage Technologies, Applications, and Analysis Methodology. <i>Energies</i> , 2022, 15, 9152.	1.6	9
398	Single-Atom Metallophilic Sites for Liquid NaK Alloy Confinement toward Stable Alkali-Metal Anodes. <i>Advanced Science</i> , 2023, 10, .	5.6	7

#	ARTICLE	IF	CITATIONS
399	Anode-free Na metal batteries developed by nearly fully reversible Na plating on the Zn surface. <i>Nanoscale</i> , 2023, 15, 3255-3262.	2.8	11
400	The role of an elastic interphase in suppressing gas evolution and promoting uniform electroplating in sodium metal anodes. <i>Energy and Environmental Science</i> , 2023, 16, 535-545.	15.6	12
401	Stable Cycling of Sodium Metal Anodes Enabled by a Sodium/Silica Gel Host. <i>ChemElectroChem</i> , 0, , .	1.7	1
402	Tuning Li Nucleation by a Hybrid Lithiophilic Protective Layer for High-Performance Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 3089-3098.	4.0	4
403	Design of Phosphide Anodes Harvesting Superior Sodium Storage: Progress, Challenges, and Perspectives. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	30
404	Achieving Ultra-Stable All-Solid-State Sodium Metal Batteries with Anion-Trapping 3D Fiber Network Enhanced Polymer Electrolyte. <i>Small</i> , 2023, 19, .	5.2	14
405	Bowl-shaped hollow carbon wrapped in graphene grown in situ by chemical vapor deposition as an advanced anode material for sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2023, 637, 283-290.	5.0	15
406	An extended π -conjugated organosulfide-based cathode for highly reversible sodium metal batteries. <i>Journal of Materials Chemistry A</i> , 2023, 11, 8694-8699.	5.2	2
407	Influence of Potassium Metal Support Interactions on Dendrite Growth. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	2
408	2023 roadmap for potassium-ion batteries. <i>JPhys Energy</i> , 2023, 5, 021502.	2.3	15
409	Ionic liquid electrolytes for sodium-ion batteries to control thermal runaway. <i>Journal of Energy Chemistry</i> , 2023, 81, 321-338.	7.1	17
410	A two-dimensional cation-deficient $\text{Ti}_{0.87}\text{O}_2$ artificial protection layer for stable sodium metal anodes. <i>Materials Today Energy</i> , 2023, 34, 101271.	2.5	1
411	Multi-functional stainless steel composite frames stabilize the sodium metal battery. <i>Journal of Materials Science and Technology</i> , 2023, 149, 112-118.	5.6	4
412	Increase ionic conductivity of a $\text{Zn}^{2+}/\text{F}^{\sim}$ synergy $\text{Na}_3\text{Zr}_2\text{Si}_2\text{PO}_{12}$ solid electrolyte for sodium metal batteries. <i>Journal of the European Ceramic Society</i> , 2023, 43, 4443-4450.	2.8	5
413	Optimizing the Fermi Level of a 3D Current Collector with $\text{Ni}_3\text{S}_2/\text{Ni}_3\text{P}$ Heterostructure for Dendrite-Free Sodium Metal Batteries. <i>Advanced Materials</i> , 2023, 35, .	11.1	20
414	Nanodesigns for $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ -based cathode in sodium-ion batteries: a topical review. <i>Nanotechnology</i> , 2023, 34, 202003.	1.3	6
415	Development of titanium and yttrium doped sodium-cobalt oxide cathods and their behaviour in cells with electrolytes based on NaTDSi salt with NaPF ₆ salt additive. <i>Journal of Power Sources</i> , 2023, 562, 232761.	4.0	1
416	Organosulfur Materials for Rechargeable Batteries: Structure, Mechanism, and Application. <i>Chemical Reviews</i> , 2023, 123, 1262-1326.	23.0	45

#	ARTICLE	IF	CITATIONS
417	Rapidly Constructing Sodium Fluoride-Rich Interface by Pressure and Diglyme-Induced Defluorination Reaction for Stable Sodium Metal Anode. <i>Small</i> , 2023, 19, .	5.2	10
418	Ultrahigh Nitrogen Content Carbon Nanosheets for High Stable Sodium Metal Anodes. <i>Advanced Science</i> , 2023, 10, .	5.6	11
419	The Role of Pulse Duty Cycle and Frequency on Dendritic Compression. <i>Journal of Physical Chemistry C</i> , 2023, 127, 4407-4415.	1.5	1
420	Functionalized Halloysite Scaffold Controls Sodium Dendrite Growth. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 11949-11960.	4.0	6
421	Development of All-Solid-State Li-Ion Batteries: From Key Technical Areas to Commercial Use. <i>Batteries</i> , 2023, 9, 157.	2.1	9
422	Dendrite-Free Sodium Metal Anodes Via Solid Electrolyte Interphase Engineering With a Covalent Organic Framework Separator. <i>Advanced Energy Materials</i> , 2023, 13, .	10.2	25
423	Superior metal storage behavior of Zn-containing porous carbon nanostructures for Na and Li metal batteries. <i>Journal of Materials Chemistry A</i> , 2023, 11, 7276-7285.	5.2	2
424	Toward the Advanced Next-Generation Solid-State Na-S Batteries: Progress and Prospects. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	11
425	Influence of Potassium Metal-Support Interactions on Dendrite Growth. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	6
426	Rationally Integrating 2D Confinement and High Sodiophilicity toward SnO ₂ /Ti ₃ C ₂ T _x Composites for High-Performance Sodium-Metal Anodes. <i>Small</i> , 2023, 19, .	5.2	5
427	Toward Complete Transformation of Sodium Polysulfides by Regulating the Second-Shell Coordinating Environment of Atomically Dispersed Fe. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	8
428	Toward Complete Transformation of Sodium Polysulfides by Regulating the Second-Shell Coordinating Environment of Atomically Dispersed Fe. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
429	Reversing the Chemical and Structural Changes of Prussian White After Exposure to Humidity to Enable Aqueous Electrode Processing for Sodium-ion Batteries. <i>Journal of the Electrochemical Society</i> , 2023, 170, 030540.	1.3	7
431	Polyethylene Oxide/Sodium Sulfonamide Polymethacrylate Blends as Highly Conducting Single-Ion Solid Polymer Electrolytes. <i>Energy & Fuels</i> , 2023, 37, 5519-5529.	2.5	4
432	Multifunctionalized Safe Separator Toward Practical Sodium-Metal Batteries with High-Performance under High Mass Loading. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	14
433	Fluorinated ethylene carbonate as additive to glyme electrolytes for robust sodium solid electrolyte interface. <i>Cell Reports Physical Science</i> , 2023, 4, 101356.	2.8	5
434	Rationalized Electroepitaxy toward Scalable Single-Crystal Zn Anodes. <i>Advanced Materials</i> , 2023, 35, .	11.1	15
435	Moss-like Growth of Metal Electrodes: On the Role of Competing Faradaic Reactions and Fast Charging. <i>ACS Energy Letters</i> , 2023, 8, 2113-2121.	8.8	5

#	ARTICLE	IF	CITATIONS
436	Na ₃ Zr ₂ Si ₂ PO ₁₂ Solid Electrolyte Membrane for High-Performance Seawater Battery. <i>Advanced Science</i> , 2023, 10, .	5.6	4
437	Construction of Inorganic/Organic Hybrid Layer for Stable Na Metal Anode Operated under Wide Temperatures. <i>Small</i> , 2023, 19, .	5.2	8
438	Superoxide-based Na-O ₂ batteries: Background, current status and future prospects. <i>Nano Energy</i> , 2023, 112, 108466.	8.2	4
439	Electrolyte Wettability Issues and Challenges of Electrode Materials in Electrochemical Energy Storage, Energy Conversion, and Beyond. <i>Advanced Science</i> , 2023, 10, .	5.6	16
454	Elucidating solid electrolyte interphase formation in sodium-based batteries: key reductive reactions and inorganic composition. <i>Journal of Materials Chemistry A</i> , 0, , .	5.2	1
465	Reversible Sodium-Sulfur Batteries Enabled by a Synergistic Dual-Additive Design. <i>ACS Energy Letters</i> , 2023, 8, 2746-2752.	8.8	1
469	Recent progress and strategic perspectives of inorganic solid electrolytes: fundamentals, modifications, and applications in sodium metal batteries. <i>Chemical Society Reviews</i> , 2023, 52, 4933-4995.	18.7	23
476	Achieving high-performance sodium metal anodes: From structural design to reaction kinetic improvement. <i>Nano Research</i> , 2024, 17, 1288-1312.	5.8	0
487	Two-dimensional MXenes for flexible energy storage devices. <i>Energy and Environmental Science</i> , 2023, 16, 4191-4250.	15.6	12
496	From non-carbon host toward carbon-free lithium-sulfur batteries. <i>Nano Research</i> , 2024, 17, 1337-1365.	5.8	0
500	Self-healing Ga-based liquid metal/alloy anodes for rechargeable batteries. <i>Nano Research</i> , 2024, 17, 1366-1383.	5.8	0
526	3D mixed ion/electron-conducting scaffolds for stable sodium metal anodes. <i>Nanoscale</i> , 2024, 16, 3379-3392.	2.8	0
547	Metal electrodes for next-generation rechargeable batteries. , 2024, 1, 79-92.		0
554	Recent advances in electrolyte molecular design for alkali metal batteries. <i>Chemical Science</i> , 2024, 15, 4238-4274.	3.7	0
559	Strategies to enable micro-sized alloy anodes for high-energy and long-life alkali-ion batteries. , 0, , .		0
563	Graphene-Based Lithium/Sodium Metal Anodes. <i>Engineering Materials</i> , 2024, , 371-390.	0.3	0
565	Aqueous and Non-aqueous Electrolytes for Na-ion Batteries. , 2024, , 39-67.		0
566	Na-ion Solid Electrolytes for Solid-state Batteries. , 2024, , 172-199.		0

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