

High-rate electrochemical energy storage through Li⁺ i

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Citation Report

#	ARTICLE	IF	CITATIONS
18	A Quantitative Model for Human Olfactory Receptors. Nature Precedings, 2012, , .	0.1	1
19	Surface-Driven Sodium Ion Energy Storage in Nanocellular Carbon Foams. Nano Letters, 2013, 13, 3909-3914.	4.5	245
20	Ultrahigh capacitive performance from both Co(OH) ₂ /graphene electrode and K ₃ Fe(CN) ₆ electrolyte. Scientific Reports, 2013, 3, 2986.	1.6	158
21	Understanding the origin of high-rate intercalation pseudocapacitance in Nb ₂ O ₅ crystals. Journal of Materials Chemistry A, 2013, 1, 14951.	5.2	134
22	Cation Intercalation and High Volumetric Capacitance of Two-Dimensional Titanium Carbide. Science, 2013, 341, 1502-1505.	6.0	3,329
23	Shape Memory and Superelastic Ceramics at Small Scales. Science, 2013, 341, 1505-1508.	6.0	236
24	Solid-state supercapacitors with ionic liquid based gel polymer electrolyte: Effect of lithium salt addition. Journal of Power Sources, 2013, 243, 211-218.	4.0	69
25	Freestanding MoO ₃ nanobelt/carbon nanotube films for Li-ion intercalation pseudocapacitors. Nano Energy, 2014, 9, 355-363.	8.2	146
26	Synthesis of Nanoparticles-Deposited Double-Walled TiO ₂ -B Nanotubes with Enhanced Performance for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 22199-22208.	4.0	36
27	Synthesis, properties, and performance of nanostructured metal oxides for supercapacitors. Pure and Applied Chemistry, 2014, 86, 611-632.	0.9	32
28	A Flexible Alkaline Rechargeable Ni/Fe Battery Based on Graphene Foam/Carbon Nanotubes Hybrid Film. Nano Letters, 2014, 14, 7180-7187.	4.5	346
29	Conductive two-dimensional titanium carbide "clay"™ with high volumetric capacitance. Nature, 2014, 516, 78-81.	13.7	4,306
30	Superior Pseudocapacitive Behavior of Confined Lignin Nanocrystals for Renewable Energy Storage Materials. ChemSusChem, 2014, 7, 1094-1101.	3.6	132
31	Potential and pH dependent pseudocapacitance of Mo/Mo oxides - An impedance study. Electrochimica Acta, 2014, 137, 647-653.	2.6	12
32	Where Do Batteries End and Supercapacitors Begin?. Science, 2014, 343, 1210-1211.	6.0	4,605
33	Lithium Insertion/Deinsertion Characteristics of Nanostructured Amorphous Tantalum Oxide Thin Films. ChemElectroChem, 2014, 1, 158-164.	1.7	27
34	Pseudocapacitive oxide materials for high-rate electrochemical energy storage. Energy and Environmental Science, 2014, 7, 1597.	15.6	4,223
36	Freestanding functionalized carbon nanotube-based electrode for solid-state asymmetric supercapacitors. Nano Energy, 2014, 6, 1-9.	8.2	182

#	ARTICLE	IF	CITATIONS
37	Synthesis and Characterization of Poly(phenylacetylene)s with Ru(II) <i>bis</i> -Terpyridine Complexes in the Side-Chain. <i>Macromolecular Rapid Communications</i> , 2014, 35, 747-751.	2.0	7
38	Aqueous-Based Chemical Route toward Ambient Preparation of Multicomponent Core-Shell Nanotubes. <i>ACS Nano</i> , 2014, 8, 4004-4014.	7.3	37
39	Electrochemical Kinetics of Nanostructured Nb ₂ O ₅ Electrodes. <i>Journal of the Electrochemical Society</i> , 2014, 161, A718-A725.	1.3	235
40	A Three-Dimensionally Interconnected Carbon Nanotube-Conducting Polymer Hydrogel Network for High-Performance Flexible Battery Electrodes. <i>Advanced Energy Materials</i> , 2014, 4, 1400207.	10.2	280
41	TiO ₂ -coated carbon nanotubes for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1757-1766.	5.2	69
42	Nanostructured Pseudocapacitors Based on Atomic Layer Deposition of V ₂ O ₅ onto Conductive Nanocrystal-based Mesoporous ITO Scaffolds. <i>Advanced Functional Materials</i> , 2014, 24, 6717-6728.	7.8	76
43	Water-Free Titania-Bronze Thin Films with Superfast Lithium-Ion Transport. <i>Advanced Materials</i> , 2014, 26, 7365-7370.	11.1	31
44	High power nano-structured V ₂ O ₅ thin film cathodes by atomic layer deposition. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15044-15051.	5.2	52
45	Anomalous Interfacial Lithium Storage in Graphene/TiO ₂ for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18147-18151.	4.0	65
46	Thin films and nanostructures of niobium pentoxide: fundamental properties, synthesis methods and applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15683-15703.	5.2	253
47	Proton-Insertion-Enhanced Pseudocapacitance Based on the Assembly Structure of Tungsten Oxide. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18901-18910.	4.0	182
48	Mesoporous VO ₂ nanowires with excellent cycling stability and enhanced rate capability for lithium batteries. <i>RSC Advances</i> , 2014, 4, 33332-33337.	1.7	47
49	Bulk Ti ₂ Nb ₁₀ O ₂₉ as long-life and high-power Li-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17258-17262.	5.2	112
50	Introduction of "lattice-voids"™ in high tap density TiO ₂ -B nanowires for enhanced high-rate and high volumetric capacity lithium storage. <i>RSC Advances</i> , 2014, 4, 22989-22994.	1.7	8
51	Three-dimensionally ordered macroporous Li ₃ V ₂ (PO ₄) ₃ /C nanocomposite cathode material for high-capacity and high-rate Li-ion batteries. <i>Nanoscale</i> , 2014, 6, 3302.	2.8	54
52	Strongly Coupled Bi ₂ S ₃ @CNT Hybrids for Robust Lithium Storage. <i>Advanced Energy Materials</i> , 2014, 4, 1400798.	10.2	159
53	Better than crystalline: amorphous vanadium oxide for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18208-18214.	5.2	260
54	High-performance hybrid electrochemical capacitor with binder-free Nb ₂ O ₅ @graphene. <i>RSC Advances</i> , 2014, 4, 37389.	1.7	71

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55	Panoramic View of Electrochemical Pseudocapacitor and Organic Solar Cell Research in Molecularly Engineered Energy Materials (MEEM). <i>Journal of Physical Chemistry C</i> , 2014, 118, 19505-19523.	1.5	19
56	Advanced Hybrid Supercapacitor Based on a Mesoporous Niobium Pentoxide/Carbon as High-Performance Anode. <i>ACS Nano</i> , 2014, 8, 8968-8978.	7.3	380
57	Green energy storage chemistries based on neutral aqueous electrolytes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10739-10755.	5.2	113
58	High-power and high-energy asymmetric supercapacitors based on Li^{+} -intercalation into a $\text{T-Nb}_2\text{O}_5/\text{graphene}$ pseudocapacitive electrode. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17962-17970.	5.2	153
59	Novel polymer Li-ion binder carboxymethyl cellulose derivative enhanced electrochemical performance for Li-ion batteries. <i>Carbohydrate Polymers</i> , 2014, 112, 532-538.	5.1	74
60	Effect of pressure on capacitor electrodes formed with oxide nanoparticles. <i>Journal of Power Sources</i> , 2014, 272, 100-106.	4.0	3
61	Atomic Layer Deposited MoS_2 as a Carbon and Binder Free Anode in Li-ion Battery. <i>Electrochimica Acta</i> , 2014, 146, 706-713.	2.6	73
62	Synthesis, characterization, and catalytic application of ordered mesoporous carbon@niobium oxide composites. <i>Materials Research Bulletin</i> , 2014, 59, 131-136.	2.7	13
63	Sodium Storage and Pseudocapacitive Charge in Textured $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Thin Films. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10616-10624.	1.5	150
64	Possible application of 2D-boron sheets as anode material in lithium ion battery: A DFT and AIMD study. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3856.	5.2	77
65	Crystallization of tin chloride as a promising pseudocapacitor electrode. <i>CrystEngComm</i> , 2014, 16, 4610-4618.	1.3	25
66	What Nano Can Do for Energy Storage. <i>ACS Nano</i> , 2014, 8, 5369-5371.	7.3	191
67	Carboxymethyl cellulose lithium (CMC-Li) as a novel binder and its electrochemical performance in lithium-ion batteries. <i>Cellulose</i> , 2014, 21, 2789-2796.	2.4	40
68	Electrochemical Charge-Transfer Resistance in Carbon Nanotube Composites. <i>Nano Letters</i> , 2014, 14, 1329-1336.	4.5	39
69	Hybrid Device Employing Three-Dimensional Arrays of MnO in Carbon Nanosheets Bridges Battery@Supercapacitor Divide. <i>Nano Letters</i> , 2014, 14, 1987-1994.	4.5	276
70	An experimental and computational study to understand the lithium storage mechanism in molybdenum disulfide. <i>Nanoscale</i> , 2014, 6, 10243-10254.	2.8	103
71	Mechanical Force-Driven Growth of Elongated Bending TiO_2 -based Nanotubular Materials for Ultrafast Rechargeable Lithium Ion Batteries. <i>Advanced Materials</i> , 2014, 26, 6111-6118.	11.1	386
72	Enhanced Cyclability of C/Lithium Iron Phosphate Cathodes with a Novel water-soluble lithium-ion binder. <i>Electrochimica Acta</i> , 2014, 145, 11-18.	2.6	24

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73	Carbon encapsulated ultrasmall SnO ₂ nanoparticles anchoring on graphene/TiO ₂ nanoscrolls for lithium storage. <i>Electrochimica Acta</i> , 2014, 147, 40-46.	2.6	21
74	Hierarchical vanadium pentoxide microflowers with excellent long-term cyclability at high rates for lithium ion batteries. <i>Journal of Power Sources</i> , 2014, 272, 991-996.	4.0	46
75	3D Architecture Materials Made of NiCoAl-LDH Nanoplates Coupled with NiCo-Carbonate Hydroxide Nanowires Grown on Flexible Graphite Paper for Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2014, 4, 1400761.	10.2	251
76	YbCl ₃ electrode in alkaline aqueous electrolyte with high pseudocapacitance. <i>Journal of Colloid and Interface Science</i> , 2014, 424, 84-89.	5.0	37
77	Anion charge storage through oxygen intercalation in LaMnO ₃ perovskite pseudocapacitor electrodes. <i>Nature Materials</i> , 2014, 13, 726-732.	13.3	589
78	Electrochemical capacitor behavior of copper sulfide (CuS) nanoplatelets. <i>Journal of Alloys and Compounds</i> , 2014, 586, 191-196.	2.8	191
79	Microwave- or conventional-hydrothermal synthesis of Co-based materials for electrochemical energy storage. <i>Ceramics International</i> , 2014, 40, 8183-8188.	2.3	9
80	Growth of single-crystalline β -Na _{0.33} V ₂ O ₅ nanowires on conducting substrate: A binder-free electrode for energy storage devices. <i>Journal of Power Sources</i> , 2014, 251, 237-242.	4.0	23
81	Expanded graphite as superior anode for sodium-ion batteries. <i>Nature Communications</i> , 2014, 5, 4033.	5.8	1,472
82	Graphene transition metal oxide hybrid materials. <i>Materials Today</i> , 2014, 17, 253-254.	8.3	39
83	High-Power Electrochemical Energy Storage System Employing Stable Radical Pseudocapacitors. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1324-1328.	7.2	41
86	Universal roles of hydrogen in electrochemical performance of graphene: high rate capacity and atomistic origins. <i>Scientific Reports</i> , 2015, 5, 16190.	1.6	15
87	Recycled Poly(vinyl alcohol) Sponge for Carbon Encapsulation of Size-Tunable Tin Dioxide Nanocrystalline Composites. <i>ChemSusChem</i> , 2015, 8, 2084-2092.	3.6	7
88	Multifunctional Architectures Constructing of PANI Nanoneedle Arrays on MoS ₂ Thin Nanosheets for High-Energy Supercapacitors. <i>Small</i> , 2015, 11, 4123-4129.	5.2	164
89	Self-Stacked Reduced Graphene Oxide Nanosheets Coated with Cobalt-Nickel Hydroxide by One-Step Electrochemical Deposition toward Flexible Electrochromic Supercapacitors. <i>Small</i> , 2015, 11, 4666-4672.	5.2	105
90	A High-Power Symmetric Na-Ion Pseudocapacitor. <i>Advanced Functional Materials</i> , 2015, 25, 5778-5785.	7.8	105
91	Monodispersed Nb ₂ O ₅ Microspheres: Facile Synthesis, Air/Water Interfacial Self-Assembly, Nb ₂ O ₅ -Based Composite Films, and Their Selective NO ₂ Sensing. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500167.	1.9	62
92	UV-Initiated Synthesis of Electroactive High Surface Area Ta and Ti Mesoporous Oxides Composites with Polypyrrole Nanowires within the Pores. <i>ChemNanoMat</i> , 2015, 1, 276-284.	1.5	1

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93	Oxygen Ion-Mediated Pseudocapacitive Charge Storage in Molybdenum Trioxide Nanobelts. <i>ChemNanoMat</i> , 2015, 1, 403-408.	1.5	4
95	Fast and Large Lithium Storage in 3D Porous VN Nanowires-Graphene Composite as a Superior Anode Toward High-Performance Hybrid Supercapacitors. <i>Advanced Functional Materials</i> , 2015, 25, 2270-2278.	7.8	379
96	Fabrication of Nb ₂ O ₅ Nanosheets for High-rate Lithium Ion Storage Applications. <i>Scientific Reports</i> , 2015, 5, 8326.	1.6	123
97	Composites of MnO ₂ nanocrystals and partially graphitized hierarchically porous carbon spheres with improved rate capability for high-performance supercapacitors. <i>Carbon</i> , 2015, 93, 258-265.	5.4	56
98	Amorphous carbon layer contributing Li storage capacity to Nb ₂ O ₅ @C nanosheets. <i>RSC Advances</i> , 2015, 5, 36104-36107.	1.7	44
99	Elucidating surface redox charge storage of phosphorus-incorporated graphenes with hierarchical architectures. <i>Nano Energy</i> , 2015, 15, 576-586.	8.2	85
100	Improved Voltage and Cycling for Li ⁺ Intercalation in High-Capacity Disordered Oxyfluoride Cathodes. <i>Advanced Science</i> , 2015, 2, 1500128.	5.6	56
101	Hydrogen titanate constructed by ultrafine nanobelts as advanced anode materials with high-rate and ultra-long life for lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 104275-104283.	1.7	4
102	High Performance All-Solid-State Flexible Micro-Pseudocapacitor Based on Hierarchically Nanostructured Tungsten Trioxide Composite. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27845-27852.	4.0	47
103	Nitrogen-doped mesoporous carbon of extraordinary capacitance for electrochemical energy storage. <i>Science</i> , 2015, 350, 1508-1513.	6.0	1,821
104	Porosity-Controlled TiNb ₂ O ₇ Microspheres with Partial Nitridation as A Practical Negative Electrode for High-Power Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1401945.	10.2	153
105	Nanocrystalline TiO ₂ (B) as Anode Material for Sodium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2015, 162, A3052-A3058.	1.3	108
106	A colloidal pseudocapacitor: Direct use of Fe(NO ₃) ₃ in electrode can lead to a high performance alkaline supercapacitor system. <i>Journal of Colloid and Interface Science</i> , 2015, 444, 49-57.	5.0	29
107	Hollow Tin Dioxide Microspheres With Multilayered Nanocrystalline Shells for Pseudocapacitor. <i>Electrochimica Acta</i> , 2015, 155, 437-446.	2.6	17
108	Porous Hierarchical Structure Ni(OH) ₂ Nanosheet Array Electrode with Excellent Electrochemical Energy Storage Performance. <i>Electrochimica Acta</i> , 2015, 159, 35-39.	2.6	8
109	Influences of Surface and Ionic Properties on Electricity Generation of an Active Transducer Driven by Water Motion. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 745-749.	2.1	52
110	Ultrafast Self-Assembly of Graphene Oxide-Induced Monolithic NiCo-Carbonate Hydroxide Nanowire Architectures with a Superior Volumetric Capacitance for Supercapacitors. <i>Advanced Functional Materials</i> , 2015, 25, 2109-2116.	7.8	230
111	Single Electrode Capacitances of Porous Carbons in Neat Ionic Liquid Electrolyte at 100°C: A Combined Experimental and Modeling Approach. <i>Journal of the Electrochemical Society</i> , 2015, 162, A5091-A5095.	1.3	32

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112	Adjusting electrode initial potential to obtain high-performance asymmetric supercapacitor based on porous vanadium pentoxide nanotubes and activated carbon nanorods. <i>Journal of Power Sources</i> , 2015, 279, 358-364.	4.0	66
113	Stable Alkali Metal Ion Intercalation Compounds as Optimized Metal Oxide Nanowire Cathodes for Lithium Batteries. <i>Nano Letters</i> , 2015, 15, 2180-2185.	4.5	160
114	In situ synthesis of mesoporous single-grain layer anatase TiO ₂ nanosheets without additives via a mild and simple process for a long-term Li-ion battery. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6455-6463.	5.2	20
115	Oleylamine-assisted hydrothermal synthesis of ultrasmall NbO _x nanoparticles and their in situ conversion to NbO _x @C with highly reversible lithium storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1396-1399.	5.2	36
116	Improved functionality of graphene and carbon nanotube hybrid foam architecture by UV-ozone treatment. <i>Nanoscale</i> , 2015, 7, 7045-7050.	2.8	25
117	Approaching the Downsizing Limit of Silicon for Surface-Controlled Lithium Storage. <i>Advanced Materials</i> , 2015, 27, 1526-1532.	11.1	110
118	Towards Implantable Bio-Supercapacitors: Pseudocapacitance of Ruthenium Oxide Nanoparticles and Nanosheets in Acids, Buffered Solutions, and Bioelectrolytes. <i>Journal of the Electrochemical Society</i> , 2015, 162, A5001-A5006.	1.3	48
119	Sodium Storage Behavior in Natural Graphite using Ether-based Electrolyte Systems. <i>Advanced Functional Materials</i> , 2015, 25, 534-541.	7.8	625
120	Disordered Lithium-Rich Oxyfluoride as a Stable Host for Enhanced Li ⁺ Intercalation Storage. <i>Advanced Energy Materials</i> , 2015, 5, 1401814.	10.2	162
121	Binary cooperative NiCo ₂ O ₄ on the nickel foams with quasi-two-dimensional precursors: a bridge between ⁺ supercapacitor [™] and ⁻ battery [™] in electrochemical energy storage. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5606-5612.	1.3	8
122	Ternary Hybrids of Amorphous Nickel Hydroxide-Carbon Nanotube-Conducting Polymer for Supercapacitors with High Energy Density, Excellent Rate Capability, and Long Cycle Life. <i>Advanced Functional Materials</i> , 2015, 25, 1063-1073.	7.8	288
123	Colloidal pseudocapacitor: Nanoscale aggregation of Mn colloids from MnCl ₂ under alkaline condition. <i>Journal of Power Sources</i> , 2015, 279, 365-371.	4.0	39
124	Surface capacitive contributions: Towards high rate anode materials for sodium ion batteries. <i>Nano Energy</i> , 2015, 12, 224-230.	8.2	371
125	Development of quasi-two-dimensional Nb ₂ O ₅ nanoflakes with thickness-dependent electro-chemical properties. <i>Functional Materials Letters</i> , 2015, 08, 1550007.	0.7	5
126	Unveiling Surface Redox Charge Storage of Interacting Two-Dimensional Heteronanosheets in Hierarchical Architectures. <i>Nano Letters</i> , 2015, 15, 2269-2277.	4.5	80
127	Morphology-engineered and TiO ₂ (B)-introduced anatase TiO ₂ as an advanced anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14721-14730.	5.2	22
128	Design of aqueous redox-enhanced electrochemical capacitors with high specific energies and slow self-discharge. <i>Nature Communications</i> , 2015, 6, 7818.	5.8	300
129	A vertical and cross-linked Ni(OH) ₂ network on cellulose-fiber covered with graphene as a binder-free electrode for advanced asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19077-19084.	5.2	47

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130	Self-assembled Ti ₃ C ₂ T _x MXene film with high gravimetric capacitance. <i>Chemical Communications</i> , 2015, 51, 13531-13533.	2.2	148
131	FeOx and Si nano-dots as dual Li-storage centers bonded with graphene for high performance lithium ion batteries. <i>Nanoscale</i> , 2015, 7, 14344-14350.	2.8	8
132	Charge transfer and storage in nanostructures. <i>Materials Science and Engineering Reports</i> , 2015, 96, 1-69.	14.8	74
133	Ordered-mesoporous Nb ₂ O ₅ /carbon composite as a sodium insertion material. <i>Nano Energy</i> , 2015, 16, 62-70.	8.2	124
134	Two-dimensional titanium carbide electrode with large mass loading for supercapacitor. <i>Journal of Power Sources</i> , 2015, 294, 354-359.	4.0	199
135	H _x MoO ₃ nanobelts with sea water as electrolyte for high-performance pseudocapacitors and desalination devices. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17217-17223.	5.2	33
136	Porous TiNb ₂ O ₇ Nanospheres as ultra Long-life and High-power Anodes for Lithium-ion Batteries. <i>Electrochimica Acta</i> , 2015, 176, 456-462.	2.6	83
137	The effects of heat treatment on optical, structural, electrochromic and bonding properties of Nb ₂ O ₅ thin films. <i>Journal of Alloys and Compounds</i> , 2015, 648, 994-1004.	2.8	69
138	Avoiding Resistance Limitations in High-Performance Transparent Supercapacitor Electrodes Based on Large-Area, High-Conductivity PEDOT:PSS Films. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16495-16506.	4.0	136
139	Facile Synthesis of Nb ₂ O ₅ @Carbon Core-Shell Nanocrystals with Controlled Crystalline Structure for High-Power Anodes in Hybrid Supercapacitors. <i>ACS Nano</i> , 2015, 9, 7497-7505.	7.3	411
140	High Surface Area Tunnels in Hexagonal WO ₃ . <i>Nano Letters</i> , 2015, 15, 4834-4838.	4.5	144
141	Cation-anion double hydrolysis derived layered single metal hydroxide superstructures for boosted supercapacitive energy storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14228-14238.	5.2	69
142	A general strategy to construct uniform carbon-coated spinel LiMn ₂ O ₄ nanowires for ultrafast rechargeable lithium-ion batteries with a long cycle life. <i>Nanoscale</i> , 2015, 7, 13173-13180.	2.8	33
143	Nb ₂ O ₅ /graphene nanocomposites for electrochemical energy storage. <i>RSC Advances</i> , 2015, 5, 59997-60004.	1.7	63
144	Intercalation of cations into partially reduced molybdenum oxide for high-rate pseudocapacitors. <i>Energy Storage Materials</i> , 2015, 1, 1-8.	9.5	92
145	An advanced aqueous sodium-ion supercapacitor with a manganous hexacyanoferrate cathode and a Fe ₃ O ₄ /rGO anode. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16013-16019.	5.2	123
146	Redox Active Polyaniline-h-MoO ₃ Hollow Nanorods for Improved Pseudocapacitive Performance. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9041-9049.	1.5	74
147	Synthesis of nanorod-FeP@C composites with hysteretic lithiation in lithium-ion batteries. <i>Dalton Transactions</i> , 2015, 44, 10297-10303.	1.6	58

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148	Amine-Assisted Delamination of Nb ₂ C MXene for Li-ion Energy Storage Devices. <i>Advanced Materials</i> , 2015, 27, 3501-3506.	11.1	749
149	Na ⁺ intercalation pseudocapacitance in graphene-coupled titanium oxide enabling ultra-fast sodium storage and long-term cycling. <i>Nature Communications</i> , 2015, 6, 6929.	5.8	969
150	Electrochemical lithium storage kinetics of self-organized nanochannel niobium oxide electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2015, 746, 45-50.	1.9	19
151	The Development of Pseudocapacitive Properties in Nanosized-MoO ₂ . <i>Journal of the Electrochemical Society</i> , 2015, 162, A5083-A5090.	1.3	170
152	Facile template-free preparation of hierarchical TiO ₂ hollow microspheres assembled by nanocrystals and their superior cycling performance as anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10829-10836.	5.2	31
153	Intercalation pseudo-capacitive TiNb ₂ O ₇ @carbon electrode for high-performance lithium ion hybrid electrochemical supercapacitors with ultrahigh energy density. <i>Nano Energy</i> , 2015, 15, 104-115.	8.2	263
154	Hydrated vanadium pentoxide with superior sodium storage capacity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8070-8075.	5.2	190
155	The power of Nb-substituted TiO ₂ in Li-ion batteries: Morphology transformation induced by high concentration substitution. <i>Journal of Power Sources</i> , 2015, 288, 401-408.	4.0	16
156	A General Method to Fabricate Free-Standing Electrodes: Sulfonate Directed Synthesis and their Li ⁺ Storage Properties. <i>Chemistry of Materials</i> , 2015, 27, 3957-3965.	3.2	23
157	Quinone-Functionalized Carbon Black Cathodes for Lithium Batteries with High Power Densities. <i>Chemistry of Materials</i> , 2015, 27, 3568-3571.	3.2	112
158	Fast lithium-ion storage of Nb ₂ O ₅ nanocrystals in situ grown on carbon nanotubes for high-performance asymmetric supercapacitors. <i>RSC Advances</i> , 2015, 5, 41179-41185.	1.7	51
159	Physical Interpretation of Cyclic Voltammetry for Hybrid Pseudocapacitors. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11349-11361.	1.5	79
160	Fabrication of urchin-like NiCo ₂ (CO ₃) _{1.5} (OH) ₃ @NiCo ₂ S ₄ on Ni foam by an ion-exchange route and application to asymmetrical supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13308-13316.	5.2	101
161	High rate SnO ₂ @Graphene Dual Aerogel anodes and their kinetics of lithiation and sodiation. <i>Nano Energy</i> , 2015, 15, 369-378.	8.2	129
162	Li ₂ FeSiO ₄ nanorods bonded with graphene for high performance batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9601-9608.	5.2	59
163	A Membrane-Free Ferrocene-Based High-Rate Semiliquid Battery. <i>Nano Letters</i> , 2015, 15, 4108-4113.	4.5	118
164	Co ₃ O ₄ @Reduced Graphene Oxide Nanoribbon for high performance Asymmetric Supercapacitor. <i>Electrochimica Acta</i> , 2015, 169, 276-282.	2.6	70
165	Aerosol-Assisted Heteroassembly of Oxide Nanocrystals and Carbon Nanotubes into 3D Mesoporous Composites for High-Rate Electrochemical Energy Storage. <i>Small</i> , 2015, 11, 3135-3142.	5.2	12

#	ARTICLE	IF	CITATIONS
166	Rational material design for ultrafast rechargeable lithium-ion batteries. <i>Chemical Society Reviews</i> , 2015, 44, 5926-5940.	18.7	857
167	Interconnected Nanorodsâ€“Nanoflakes $\text{Li}_{2}\text{Co}_{2}(\text{MoO}_{4})_{3}$ Framework Structure with Enhanced Electrochemical Properties for Supercapacitors. <i>Advanced Energy Materials</i> , 2015, 5, 1500060.	10.2	42
168	Coordination-driven self-assembly: construction of a $\text{Fe}_{3}\text{O}_{4}$ â€“graphene hybrid 3D framework and its long cycle lifetime for lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 40249-40257.	1.7	16
169	Pseudocapacitance of MXene nanosheets for high-power sodium-ion hybrid capacitors. <i>Nature Communications</i> , 2015, 6, 6544.	5.8	873
171	$\text{MgFe}_{2}\text{O}_{4}$ /reduced graphene oxide composites as high-performance anode materials for sodium ion batteries. <i>Electrochimica Acta</i> , 2015, 180, 616-621.	2.6	47
172	Hybrid layer-by-layer composites based on a conducting polyelectrolyte and $\text{Fe}_{3}\text{O}_{4}$ nanostructures grafted onto graphene for supercapacitor application. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22877-22885.	5.2	40
173	Highly pseudocapacitive Nb-doped TiO_{2} high power anodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22908-22914.	5.2	84
174	A three layer design with mesoporous silica encapsulated by a carbon core and shell for high energy lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22739-22749.	5.2	79
175	Free-Standing <i>Ti</i> - $\text{Nb}_{2}\text{O}_{5}$ /Graphene Composite Papers with Ultrahigh Gravimetric/Volumetric Capacitance for Li-Ion Intercalation Pseudocapacitor. <i>ACS Nano</i> , 2015, 9, 11200-11208.	7.3	349
176	Ultrahigh volumetric capacitance and cyclic stability of fluorine and nitrogen co-doped carbon microspheres. <i>Nature Communications</i> , 2015, 6, 8503.	5.8	529
177	Beyond Li-ion: electrode materials for sodium- and magnesium-ion batteries. <i>Science China Materials</i> , 2015, 58, 715-766.	3.5	241
178	Sodiumâ€“ion Storage in Pyroproteinâ€“Based Carbon Nanoplates. <i>Advanced Materials</i> , 2015, 27, 6914-6921.	11.1	120
179	$\text{Li}_{4}\text{Ti}_{5}\text{O}_{12}$ nanosheets as high-rate and long-life anode materials for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24446-24452.	5.2	61
180	Hierarchical MnO_{2} nanosheet arrays on carbon fiber for high-performance pseudocapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2015, 759, 95-100.	1.9	12
181	Enhancing Faradaic Charge Storage Contribution in Hybrid Pseudocapacitors. <i>Electrochimica Acta</i> , 2015, 182, 639-651.	2.6	29
182	Superelastic Few-Layer Carbon Foam Made from Natural Cotton for All-Solid-State Electrochemical Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25306-25312.	4.0	18
183	Controlling the actuation properties of MXene paper electrodes upon cation intercalation. <i>Nano Energy</i> , 2015, 17, 27-35.	8.2	166
184	Single-Pot Synthesis of TiO_{2} -Faceted N-Doped $\text{Nb}_{2}\text{O}_{5}$ /Reduced Graphene Oxide Nanocomposite for Efficient Photoelectrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17954-17962.	4.0	56

#	ARTICLE	IF	CITATIONS
185	Heterogeneous Nanostructures for Sodium Ion Batteries and Supercapacitors. ChemNanoMat, 2015, 1, 458-476.	1.5	28
186	Electrochemical Synthesis of Binary and Ternary Niobium-Containing Oxide Electrodes Using the <i>p</i> -Benzoquinone/Hydroquinone Redox Couple. Langmuir, 2015, 31, 9502-9510.	1.6	14
187	Self-template synthesis of hollow shell-controlled Li_3VO_4 as a high-performance anode for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 18839-18842.	5.2	57
188	Pseudocapacitance of amorphous TiO_2 @nitrogen doped graphene composite for high rate lithium storage. Electrochimica Acta, 2015, 180, 112-119.	2.6	60
189	High rate sodium ion battery anodes from block copolymer templated mesoporous nickel-cobalt carbonates and oxides. Journal of Materials Chemistry A, 2015, 3, 21060-21069.	5.2	23
190	Titanium doped niobium oxide for stable pseudocapacitive lithium ion storage and its application in 3 V non-aqueous supercapacitors. Journal of Materials Chemistry A, 2015, 3, 21706-21712.	5.2	41
191	Effect of Meso- and Micro-Porosity in Carbon Electrodes on Atomic Layer Deposition of Pseudocapacitive V_2O_5 for High Performance Supercapacitors. Chemistry of Materials, 2015, 27, 6524-6534.	3.2	78
192	Pseudocapacitive behaviours of $\text{Na}_2\text{Ti}_3\text{O}_7$ @CNT coaxial nanocables for high-performance sodium-ion capacitors. Journal of Materials Chemistry A, 2015, 3, 21277-21283.	5.2	187
193	Effect of hydrogenation on performance of $\text{TiO}_2(\text{B})$ nanowire for lithium ion capacitors. Electrochemistry Communications, 2015, 60, 199-203.	2.3	46
194	Electrodeposited Structurally Stable V_2O_5 Inverse Opal Networks as High Performance Thin Film Lithium Batteries. ACS Applied Materials & Interfaces, 2015, 7, 27006-27015.	4.0	81
195	Insertion of Calcium Ion into Prussian Blue Analogue in Nonaqueous Solutions and Its Application to a Rechargeable Battery with Dual Carriers. Journal of Physical Chemistry C, 2015, 119, 27946-27953.	1.5	65
196	Oxidative Intercalation for Monometallic Ni^{2+} - Ni^{3+} Layered Double Hydroxide and Enhanced Capacitance in Exfoliated Nanosheets. Small, 2015, 11, 2044-2050.	5.2	48
197	Reducing CO_2 to dense nanoporous graphene by Mg/Zn for high power electrochemical capacitors. Nano Energy, 2015, 11, 600-610.	8.2	100
198	Supercapacitor electrode materials: nanostructures from 0 to 3 dimensions. Energy and Environmental Science, 2015, 8, 702-730.	15.6	2,096
199	Free-standing Fe_2O_3 nanomembranes enabling ultra-long cycling life and high rate capability for Li-ion batteries. Scientific Reports, 2014, 4, 7452.	1.6	83
200	Supercapacitors Performance Evaluation. Advanced Energy Materials, 2015, 5, 1401401.	10.2	1,090
201	Ultra-Thin Hollow Carbon Nanospheres for Pseudocapacitive Sodium-Ion Storage. ChemElectroChem, 2015, 2, 359-365.	1.7	66
202	Nanoscale spinel LiFeTiO_4 for intercalation pseudocapacitive Li^+ storage. Physical Chemistry Chemical Physics, 2015, 17, 1482-1488.	1.3	35

#	ARTICLE	IF	CITATIONS
203	In situ preparation of flower-like $\text{Ni}(\text{OH})_2$ and NiO from nickel formate with excellent capacitive properties as electrode materials for supercapacitors. <i>Materials Chemistry and Physics</i> , 2015, 151, 160-166.	2.0	33
204	A binary A_xB_{1-x} ionic alkaline pseudocapacitor system involving manganese, iron, cobalt, and nickel: formation of electroactive colloids via in situ electric field assisted coprecipitation. <i>Nanoscale</i> , 2015, 7, 1161-1166.	2.8	45
205	Peanut shell hybrid sodium ion capacitor with extreme energy power rivals lithium ion capacitors. <i>Energy and Environmental Science</i> , 2015, 8, 941-955.	15.6	740
206	High Rate Capacity through Redox Electrolytes Confined in Macroporous Electrodes. <i>Journal of the Electrochemical Society</i> , 2015, 162, A86-A91.	1.3	23
207	Reversible Aluminum Ion Intercalation in Prussian Blue Analogs and Demonstration of a High Power Aluminum Ion Asymmetric Capacitor. <i>Advanced Energy Materials</i> , 2015, 5, 1401410.	10.2	142
208	Non-aqueous gel polymer electrolyte with phosphoric acid ester and its application for quasi solid-state supercapacitors. <i>Journal of Power Sources</i> , 2015, 274, 1147-1154.	4.0	62
209	High-rate amorphous SnO_2 nanomembrane anodes for Li-ion batteries with a long cycling life. <i>Nanoscale</i> , 2015, 7, 282-288.	2.8	66
210	Ultrahigh intercalation pseudocapacitance of mesoporous orthorhombic niobium pentoxide from a novel cellulose nanocrystal template. <i>Materials Chemistry and Physics</i> , 2015, 149-150, 495-504.	2.0	52
211	Orthorhombic niobium oxide nanowires for next generation hybrid supercapacitor device. <i>Nano Energy</i> , 2015, 11, 765-772.	8.2	149
212	Phase-controlled synthesis of NiS nanoparticles confined in carbon nanorods for High Performance Supercapacitors. <i>Scientific Reports</i> , 2014, 4, 7054.	1.6	101
213	Ultrathin MoO_2 nanosheets for superior lithium storage. <i>Nano Energy</i> , 2015, 11, 129-135.	8.2	199
214	Synthesis and electrochemical properties of niobium pentoxide deposited on layered carbide-derived carbon. <i>Journal of Power Sources</i> , 2015, 274, 121-129.	4.0	66
215	Solving the Capacitive Paradox of 2D MXene using Electrochemical Quartz Crystal Admittance and In Situ Electronic Conductance Measurements. <i>Advanced Energy Materials</i> , 2015, 5, 1400815.	10.2	283
216	Hybrid supercapacitor-battery materials for fast electrochemical charge storage. <i>Scientific Reports</i> , 2014, 4, 4315.	1.6	274
217	Nb_2O_5 nanoparticles encapsulated in ordered mesoporous carbon matrix as advanced anode materials for Li ion capacitors. <i>RSC Advances</i> , 2016, 6, 71338-71344.	1.7	34
218	Three-dimensional nanotubes composed of carbon-anchored ultrathin MoS_2 nanosheets with enhanced lithium storage. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19792-19797.	1.3	18
219	Molecular Storage of Mg Ions with Vanadium Oxide Nanoclusters. <i>Advanced Functional Materials</i> , 2016, 26, 3446-3453.	7.8	65
220	Graphene-Based Nanocomposites for Energy Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1502159.	10.2	306

#	ARTICLE	IF	CITATIONS
221	High-Performance Hybrid Supercapacitor Based on Graphene-Wrapped Mesoporous Nb_2O_5 Nanospheres Anode and Mesoporous Carbon-Coated Graphene Cathode. <i>ChemElectroChem</i> , 2016, 3, 1360-1368.	1.7	40
222	Self-Supported Nanotube Arrays of Sulfur-Doped TiO_2 Enabling Ultrastable and Robust Sodium Storage. <i>Advanced Materials</i> , 2016, 28, 2259-2265.	11.1	457
223	A High-Energy Lithium-Ion Capacitor by Integration of a 3D Interconnected Titanium Carbide Nanoparticle Chain Anode with a Pyridine-Derived Porous Nitrogen-Doped Carbon Cathode. <i>Advanced Functional Materials</i> , 2016, 26, 3082-3093.	7.8	330
224	Color-Coded Batteries " Electro-Photonic Inverse Opal Materials for Enhanced Electrochemical Energy Storage and Optically Encoded Diagnostics. <i>Advanced Materials</i> , 2016, 28, 5681-5688.	11.1	44
225	A 1.8 V Aqueous Supercapacitor with a Bipolar Assembly of Ion-Exchange Membranes as the Separator. <i>Journal of the Electrochemical Society</i> , 2016, 163, A1853-A1858.	1.3	42
226	A Hierarchical N/S-Codoped Carbon Anode Fabricated Facilely from Cellulose/Polyaniline Microspheres for High-Performance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1501929.	10.2	460
227	Ultrafast Nanocrystalline TiO_2 (B)/Carbon Nanotube Hyperdispersion Prepared via Combined Ultracentrifugation and Hydrothermal Treatments for Hybrid Supercapacitors. <i>Advanced Materials</i> , 2016, 28, 6751-6757.	11.1	58
228	UV-assisted reduction of graphene oxide on Ni foam as high performance electrode for supercapacitors. <i>Carbon</i> , 2016, 107, 917-924.	5.4	25
229	Simulations and Interpretation of Three-Electrode Cyclic Voltammograms of Pseudocapacitive Electrodes. <i>Electrochimica Acta</i> , 2016, 211, 420-429.	2.6	40
230	Macroporous Nanostructured Nb_2O_5 with Surface Nb^{4+} for Enhanced Lithium Ion Storage Properties. <i>ChemNanoMat</i> , 2016, 2, 675-680.	1.5	32
231	Capacitance Enhancement in a Semiconductor Nanostructure-Based Supercapacitor by Solar Light and a Self-Powered Supercapacitor " Photodetector System. <i>Advanced Functional Materials</i> , 2016, 26, 4481-4490.	7.8	133
232	Design of Mixed-Metal Silver Decamolybdate Nanostructures for High Specific Energies at High Power Density. <i>Advanced Materials</i> , 2016, 28, 6966-6975.	11.1	35
233	Improved Electrochemical Performance of Na-Ion Batteries in Ether-Based Electrolytes: A Case Study of ZnS Nanospheres. <i>Advanced Energy Materials</i> , 2016, 6, 1501785.	10.2	229
234	Wet-Chemical Processing of Phosphorus Composite Nanosheets for High-Rate and High-Capacity Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1502409.	10.2	211
235	Neutral pH Gel Electrolytes for $\text{V}_2\text{O}_5 \cdot 0.5\text{H}_2\text{O}$ -Based Energy Storage Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34455-34463.	4.0	10
236	NiO Flowerlike porous hollow nanostructures with an enhanced interfacial storage capability for battery-to-pseudocapacitor transition. <i>Electrochimica Acta</i> , 2016, 222, 1160-1168.	2.6	27
237	3D interconnected macrostructure based on nano-scale pyroprotein units for energy storage. <i>Electrochimica Acta</i> , 2016, 222, 1887-1894.	2.6	2
238	Exploration of $\text{Ca}_{0.5}\text{Ti}_2(\text{PO}_4)_3$ @carbon Nanocomposite as the High-Rate Negative Electrode for Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35336-35341.	4.0	30

#	ARTICLE	IF	CITATIONS
239	Rechargeable Mg ²⁺ /Li hybrid batteries: status and challenges. <i>Journal of Materials Research</i> , 2016, 31, 3125-3141.	1.2	92
240	LiFePO ₄ battery state of charge estimation based on the improved Thevenin equivalent circuit model and Kalman filtering. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, .	0.8	19
241	Geometric consideration of nanostructures for energy storage systems. <i>Journal of Applied Physics</i> , 2016, 119, 025101.	1.1	11
242	Recent advances in nanostructured Nb-based oxides for electrochemical energy storage. <i>Nanoscale</i> , 2016, 8, 8443-8465.	2.8	172
243	Aqueous sol-gel synthesized anatase TiO ₂ nanoplates with high-rate capabilities for lithium-ion and sodium-ion batteries. <i>RSC Advances</i> , 2016, 6, 37160-37166.	1.7	17
244	In situ characterization of electrochemical processes in one dimensional nanomaterials for energy storages devices. <i>Nano Energy</i> , 2016, 24, 165-188.	8.2	97
245	Porous niobium nitride as a capacitive anode material for advanced Li-ion hybrid capacitors with superior cycling stability. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9760-9766.	5.2	84
246	Li ₄ Ti ₅ O ₁₂ /Ketjen Black with open conductive frameworks for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 201, 179-186.	2.6	22
247	Sn@SnO ₂ attached on carbon spheres as additive-free electrode for high-performance pseudocapacitor. <i>Electrochimica Acta</i> , 2016, 209, 350-359.	2.6	23
248	Ultrafast charge-discharge characteristics of a nanosized core-shell structured LiFePO ₄ material for hybrid supercapacitor applications. <i>Energy and Environmental Science</i> , 2016, 9, 2143-2151.	15.6	117
249	Net-like molybdenum selenide-acetylene black supported on Ni foam for high-performance supercapacitor electrodes and hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2016, 302, 437-445.	6.6	159
250	Pseudocapacitive effect and Li ⁺ diffusion coefficient in three-dimensionally ordered macroporous vanadium oxide for energy storage. <i>Electrochemistry Communications</i> , 2016, 69, 46-49.	2.3	29
251	Facile synthesis of 3D hierarchical N-doped graphene nanosheet/cobalt encapsulated carbon nanotubes for high energy density asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9555-9565.	5.2	119
252	A fiber-shaped aqueous lithium ion battery with high power density. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9002-9008.	5.2	132
253	Synthesis and Charge Storage Properties of Hierarchical Niobium Pentoxide/Carbon/Niobium Carbide (MXene) Hybrid Materials. <i>Chemistry of Materials</i> , 2016, 28, 3937-3943.	3.2	210
254	RGO/MnO ₂ /polypyrrole ternary film electrode for supercapacitor. <i>Materials Chemistry and Physics</i> , 2016, 177, 40-47.	2.0	44
255	DNA Aided Formation of Aggregated Nb ₂ O ₅ Nanoassemblies as Anode Material for Dye Sensitized Solar Cell (DSSC) and Supercapacitor Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3174-3188.	3.2	31
256	Ultra-thick graphene bulk supercapacitor electrodes for compact energy storage. <i>Energy and Environmental Science</i> , 2016, 9, 3135-3142.	15.6	347

#	ARTICLE	IF	CITATIONS
257	Organic macromolecule assisted synthesis of ultralong carbon@TiO ₂ nanotubes for high performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 200, 97-105.	2.6	12
258	Transition from Diffusion-Controlled Intercalation into Extrinsic Pseudocapacitive Charge Storage of MoS ₂ by Nanoscale Heterostructuring. <i>Advanced Energy Materials</i> , 2016, 6, 1501115.	10.2	185
259	Multi-scale modelling of supercapacitors: From molecular simulations to a transmission line model. <i>Journal of Power Sources</i> , 2016, 326, 680-685.	4.0	62
260	Study of Ni-doped MnCo ₂ O ₄ Yolk-Shell Submicron-spheres with Fast Li ⁺ Intercalation Pseudocapacitance As An Anode for High-Performance Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2016, 203, 128-135.	2.6	37
261	Tetragonal Tungsten Bronze Framework as Potential Anode for Na-Ion Batteries. <i>Chemistry of Materials</i> , 2016, 28, 3139-3147.	3.2	48
262	100k Cycles and Beyond: Extraordinary Cycle Stability for MnO ₂ Nanowires Imparted by a Gel Electrolyte. <i>ACS Energy Letters</i> , 2016, 1, 57-63.	8.8	35
263	Electrochemical performances of nanostructured vanadium oxides. <i>Ceramics International</i> , 2016, 42, 12084-12091.	2.3	3
264	Redox electrode materials for supercapacities. <i>Journal of Power Sources</i> , 2016, 326, 604-612.	4.0	185
265	The Rising and Receding Fortunes of Electrochemists. <i>ACS Nano</i> , 2016, 10, 3875-3876.	7.3	19
266	Ultrahigh-rate-capability of a layered double hydroxide supercapacitor based on a self-generated electrolyte reservoir. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8421-8427.	5.2	61
267	Towards polyvalent ion batteries: A zinc-ion battery based on NASICON structured Na ₃ V ₂ (PO ₄) ₃ . <i>Nano Energy</i> , 2016, 25, 211-217.	8.2	574
268	Graphene-based nitrogen-doped carbon sandwich nanosheets: a new capacitive process controlled anode material for high-performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8630-8635.	5.2	170
269	Nitrogen-doped hierarchically porous carbon foam: A free-standing electrode and mechanical support for high-performance supercapacitors. <i>Nano Energy</i> , 2016, 25, 193-202.	8.2	287
270	Binding TiO ₂ -B nanosheets with N-doped carbon enables highly durable anodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8172-8179.	5.2	47
271	A high-temperature flexible supercapacitor based on pseudocapacitive behavior of FeOOH in an ionic liquid electrolyte. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8316-8327.	5.2	138
272	Overcoming the Limiting Step of Fe ₂ O ₃ Reduction via in Situ Sulfide Modification. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10334-10342.	4.0	29
273	Electrochemical Behavior of Layered Vanadium Oxychloride in Rechargeable Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2016, 163, A2326-A2332.	1.3	10
274	Microwave Combustion for Modification of Transition Metal Oxides. <i>Advanced Functional Materials</i> , 2016, 26, 7263-7270.	7.8	42

#	ARTICLE	IF	CITATIONS
275	Intercalation of Glucose in NiMn-Layered Double Hydroxide Nanosheets: an Effective Path Way towards Battery-type Electrodes with Enhanced Performance. <i>Electrochimica Acta</i> , 2016, 216, 35-43.	2.6	98
276	A novel pseudocapacitance mechanism of elm seed-like mesoporous MoO ₃ nanosheets as electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14560-14566.	5.2	52
277	Electrochemical characteristics of nano-graphene on a macroporous electrically conductive network prepared by hydrothermal carbonization. <i>Electrochimica Acta</i> , 2016, 215, 515-524.	2.6	5
278	Sodium-ion supercapacitors based on nanoporous pyroproteins containing redox-active heteroatoms. <i>Journal of Power Sources</i> , 2016, 329, 536-545.	4.0	26
279	Eco-friendly polyvinyl alcohol/cellulose nanofiber/Li ⁺ composite separator for high-performance lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 97912-97920.	1.7	43
280	High-performance aqueous asymmetric supercapacitor based on K _{0.3} WO ₃ nanorods and nitrogen-doped porous carbon. <i>Journal of Power Sources</i> , 2016, 330, 219-230.	4.0	31
281	Fabrication of zero to three dimensional nanostructured molybdenum sulfides and their electrochemical and photocatalytic applications. <i>Nanoscale</i> , 2016, 8, 18250-18269.	2.8	79
282	Efficient storage mechanisms for building better supercapacitors. <i>Nature Energy</i> , 2016, 1, .	19.8	1,655
283	Self-Assembled Nb ₂ O ₅ Nanosheets for High Energy High Power Sodium Ion Capacitors. <i>Chemistry of Materials</i> , 2016, 28, 5753-5760.	3.2	254
284	Perovskite SrCo _{0.9} Nb _{0.1} O ₃ as an Anion-Intercalated Electrode Material for Supercapacitors with Ultrahigh Volumetric Energy Density. <i>Angewandte Chemie</i> , 2016, 128, 9728-9731.	1.6	48
285	Recent Advancements in Functionalized Paper-Based Electronics. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20501-20515.	4.0	150
286	Three-Dimensional Porous Nitrogen doped Graphene Hydrogel for High Energy Density supercapacitors. <i>Electrochimica Acta</i> , 2016, 213, 291-297.	2.6	84
287	Reconstruction of Mini-Hollow Polyhedron Mn ₂ O ₃ Derived from MOFs as a High-Performance Lithium Anode Material. <i>Advanced Science</i> , 2016, 3, 1500185.	5.6	83
288	Mesoporous Li _x Mn ₂ O ₄ Thin Film Cathodes for Lithium-Ion Pseudocapacitors. <i>ACS Nano</i> , 2016, 10, 7572-7581.	7.3	247
289	Cubic KTi ₂ (PO ₄) ₃ as electrode materials for sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 67-72.	5.0	20
290	Flexible Nb ₂ O ₅ nanowires/graphene film electrode for high-performance hybrid Li-ion supercapacitors. <i>Journal of Power Sources</i> , 2016, 328, 599-606.	4.0	95
291	Rational selection of amorphous or crystalline V ₂ O ₅ cathode for sodium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25645-25654.	1.3	46
292	Electrochemical and in-situ X-ray diffraction studies of Ti ₃ C ₂ T _x MXene in ionic liquid electrolyte. <i>Electrochemistry Communications</i> , 2016, 72, 50-53.	2.3	134

#	ARTICLE	IF	CITATIONS
293	High Performance Hybrid Energy Storage with Potassium Ferricyanide Redox Electrolyte. ACS Applied Materials & Interfaces, 2016, 8, 23676-23687.	4.0	123
294	Electrochemical capacitors: mechanism, materials, systems, characterization and applications. Chemical Society Reviews, 2016, 45, 5925-5950.	18.7	2,969
295	Electrochemical kinetics of nanostructure LiFePO ₄ /graphitic carbon electrodes. Electrochemistry Communications, 2016, 72, 10-14.	2.3	21
296	Design of Perovskite Oxides as Anion-Intercalation-Type Electrodes for Supercapacitors: Cation Leaching Effect. ACS Applied Materials & Interfaces, 2016, 8, 23774-23783.	4.0	101
297	Atomic Layer Deposition of Amorphous TiO ₂ on Carbon Nanotube Networks and Their Superior Li and Na Ion Storage Properties. Advanced Materials Interfaces, 2016, 3, 1600375.	1.9	75
298	A direct phase separation approach synthesis of hierarchically porous functional carbon as an advanced electrocatalyst for oxygen reduction reaction. Carbon, 2016, 109, 306-313.	5.4	6
299	Ultrafine Nb ₂ O ₅ Nanocrystal Coating on Reduced Graphene Oxide as Anode Material for High Performance Sodium Ion Battery. ACS Applied Materials & Interfaces, 2016, 8, 22213-22219.	4.0	108
300	Electrospinning Synthesis of Mesoporous MnCoNiO _x @Double-Carbon Nanofibers for Sodium-Ion Battery Anodes with Pseudocapacitive Behavior and Long Cycle Life. ACS Applied Materials & Interfaces, 2016, 8, 34342-34352.	4.0	36
301	Advanced Li-Ion Hybrid Supercapacitors Based on 3D Graphene-Foam Composites. ACS Applied Materials & Interfaces, 2016, 8, 25941-25953.	4.0	66
302	Intercalation Pseudocapacitance in Ultrathin VOPO ₄ Nanosheets: Toward High-Rate Alkali-Ion-Based Electrochemical Energy Storage. Nano Letters, 2016, 16, 742-747.	4.5	250
303	Niobium carbide nanofibers as a versatile precursor for high power supercapacitor and high energy battery electrodes. Journal of Materials Chemistry A, 2016, 4, 16003-16016.	5.2	51
304	Electrochemical Thin Layers in Nanostructures for Energy Storage. Accounts of Chemical Research, 2016, 49, 2336-2346.	7.6	24
305	General fabrication of mesoporous Nb ₂ O ₅ nanobelts for lithium ion battery anodes. RSC Advances, 2016, 6, 90489-90493.	1.7	34
306	Introducing Rolled-Up Nanotechnology for Advanced Energy Storage Devices. Advanced Energy Materials, 2016, 6, 1600797.	10.2	49
307	Capacitance enhancement in supercapacitors by incorporating ultra-long hydrated vanadium-oxide nanobelts into graphene. Journal of Alloys and Compounds, 2016, 688, 814-821.	2.8	22
308	Partially Single-Crystalline Mesoporous Nb ₂ O ₅ Nanosheets in between Graphene for Ultrafast Sodium Storage. Advanced Materials, 2016, 28, 7672-7679.	11.1	171
309	Achieving High Aqueous Energy Storage via Hydrogen-Generation Passivation. Advanced Materials, 2016, 28, 7626-7632.	11.1	51
310	Perovskite SrCo _{0.9} Nb _{0.1} O ₃ as an Anion-Intercalated Electrode Material for Supercapacitors with Ultrahigh Volumetric Energy Density. Angewandte Chemie - International Edition, 2016, 55, 9576-9579.	7.2	87

#	ARTICLE	IF	CITATIONS
311	Differentiation of the non-faradaic and pseudocapacitive electrochemical response of graphite felt/CuFeS ₂ composite electrodes. <i>Electrochimica Acta</i> , 2016, 212, 979-991.	2.6	26
312	Electrochemical Energy Storage Applications of CVD Grown Niobium Oxide Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21423-21430.	4.0	29
313	Modulation of Crystal Surface and Lattice by Doping: Achieving Ultrafast Metal-Ion Insertion in Anatase TiO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29186-29193.	4.0	23
314	Mesoporous materials for energy conversion and storage devices. <i>Nature Reviews Materials</i> , 2016, 1, .	23.3	1,031
315	Multidimensional materials and device architectures for future hybrid energy storage. <i>Nature Communications</i> , 2016, 7, 12647.	5.8	1,281
316	A one-step water based strategy for synthesizing hydrated vanadium pentoxide nanosheets from VO ₂ (B) as free-standing electrodes for lithium battery applications. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17988-18001.	5.2	38
317	Bivalence Mn ₅ O ₈ with hydroxylated interphase for high-voltage aqueous sodium-ion storage. <i>Nature Communications</i> , 2016, 7, 13370.	5.8	109
318	Nb ₂ O ₅ microstructures: a high-performance anode for lithium ion batteries. <i>Nanotechnology</i> , 2016, 27, 46LT01.	1.3	23
319	Nanoarchitected Nb ₂ O ₅ hollow, Nb ₂ O ₅ @carbon and NbO ₂ @carbon Core-Shell Microspheres for Ultrahigh-Rate Intercalation Pseudocapacitors. <i>Scientific Reports</i> , 2016, 6, 21177.	1.6	123
320	Scalable salt-templated synthesis of two-dimensional transition metal oxides. <i>Nature Communications</i> , 2016, 7, 11296.	5.8	379
321	Array of nanosheets render ultrafast and high-capacity Na-ion storage by tunable pseudocapacitance. <i>Nature Communications</i> , 2016, 7, 12122.	5.8	1,232
322	Grain Boundaries Enriched Hierarchically Mesoporous MnO/Carbon Microspheres for Superior Lithium Ion Battery Anode. <i>Electrochimica Acta</i> , 2016, 222, 561-569.	2.6	30
323	Chemically Integrated Inorganic-Graphene Two-Dimensional Hybrid Materials for Flexible Energy Storage Devices. <i>Small</i> , 2016, 12, 6183-6199.	5.2	126
324	Investigation into the origin of high stability of γ -MnO ₂ pseudo-capacitive electrode using operando Raman spectroscopy. <i>Nano Energy</i> , 2016, 30, 293-302.	8.2	109
325	Preparation of porous carbon nanofibers derived from PBI/PLLA for supercapacitor electrodes. <i>Nanotechnology</i> , 2016, 27, 425708.	1.3	17
326	Pseudocapacitive Na-Ion Storage Boosts High Rate and Areal Capacity of Self-Branched 2D Layered Metal Chalcogenide Nanoarrays. <i>ACS Nano</i> , 2016, 10, 10211-10219.	7.3	844
327	Nb ₂ O ₅ quantum dots embedded in MOF derived nitrogen-doped porous carbon for advanced hybrid supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17838-17847.	5.2	107
328	Porous structured niobium pentoxide/carbon complex for lithium-ion intercalation pseudocapacitors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 214, 74-80.	1.7	8

#	ARTICLE	IF	CITATIONS
329	Three-dimensional hierarchical nickel-cobalt sulfide nanostructures for high performance electrochemical energy storage electrodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18335-18341.	5.2	49
330	Alternating voltage induced ordered anatase TiO ₂ nanopores: An electrochemical investigation of sodium storage. <i>Journal of Power Sources</i> , 2016, 336, 196-202.	4.0	22
331	Conductive Inks Based on a Lithium Titanate Nanotube Gel for High-Rate Lithium-Ion Batteries with Customized Configuration. <i>Advanced Materials</i> , 2016, 28, 1567-1576.	11.1	178
332	Double-Walled Sb@TiO ₂ Nanotubes as a Superior High-Rate and Ultralong-Life Anode Material for Na-Ion and Li-Ion Batteries. <i>Advanced Materials</i> , 2016, 28, 4126-4133.	11.1	412
333	Superior Sodium Storage in Na ₂ Ti ₃ O ₇ Nanotube Arrays through Surface Engineering. <i>Advanced Energy Materials</i> , 2016, 6, 1502568.	10.2	219
334	Integrated Intercalation-Based and Interfacial Sodium Storage in Graphene-Wrapped Porous Li ₄ Ti ₅ O ₁₂ Nanofibers Composite Aerogel. <i>Advanced Energy Materials</i> , 2016, 6, 1600322.	10.2	141
335	Intercalation Pseudocapacitance of Exfoliated Molybdenum Disulfide for Ultrafast Energy Storage. <i>ChemNanoMat</i> , 2016, 2, 688-691.	1.5	38
336	MoS ₂ -Quantum-Dot-Interspersed Li ₄ Ti ₅ O ₁₂ Nanosheets with Enhanced Performance for Li- and Na-Ion Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 3349-3358.	7.8	128
337	Flexible Sodium-Ion Pseudocapacitors Based on 3D Na ₂ Ti ₃ O ₇ Nanosheet Arrays/Carbon Textiles Anodes. <i>Advanced Functional Materials</i> , 2016, 26, 3703-3710.	7.8	270
338	Layered Orthorhombic Nb ₂ O ₅ @Nb ₄ C ₃ T _x and TiO ₂ @Ti ₃ C ₂ T _x Hierarchical Composites for High Performance Li-Ion Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 4143-4151.	7.8	309
339	Origin and Tunability of Unusually Large Surface Capacitance in Doped Cerium Oxide Studied by Ambient-Pressure X-Ray Photoelectron Spectroscopy. <i>Advanced Materials</i> , 2016, 28, 4692-4697.	11.1	34
340	Two-Dimensional Materials for Beyond-Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1600025.	10.2	533
341	High-Rate Intercalation without Nanostructuring in Metastable Nb ₂ O ₅ Bronze Phases. <i>Journal of the American Chemical Society</i> , 2016, 138, 8888-8899.	6.6	247
342	Mesoporous Mo ₂ C/N-doped carbon heteronanowires as high-rate and long-life anode materials for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10842-10849.	5.2	143
343	Tin/vanadium redox electrolyte for battery-like energy storage capacity combined with supercapacitor-like power handling. <i>Energy and Environmental Science</i> , 2016, 9, 3392-3398.	15.6	121
344	Nitrogen-enriched meso-macroporous carbon fiber network as a binder-free flexible electrode for supercapacitors. <i>Carbon</i> , 2016, 107, 629-637.	5.4	130
345	Scalable synthesis of self-standing sulfur-doped flexible graphene films as recyclable anode materials for low-cost sodium-ion batteries. <i>Carbon</i> , 2016, 107, 67-73.	5.4	101
346	Titanium dioxide nanotrees for high-capacity lithium-ion microbatteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10593-10600.	5.2	46

#	ARTICLE	IF	CITATIONS
347	Porous and high electronic conductivity nitrogen-doped nano-sheet carbon derived from polypyrrole for high-power supercapacitors. <i>Carbon</i> , 2016, 107, 638-645.	5.4	93
348	Mesoporous MoS ₂ as a Transition Metal Dichalcogenide Exhibiting Pseudocapacitive Li and Na ⁺ Charge Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1501937.	10.2	395
349	Controlled SnO ₂ Crystallinity Effectively Dominating Sodium Storage Performance. <i>Advanced Energy Materials</i> , 2016, 6, 1502057.	10.2	180
350	A self-assembled intercalated metal-organic framework electrode with outstanding area capacity for high volumetric energy asymmetric capacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3398-3405.	5.2	34
351	Nanostructured Si@C/NiCo ₂ O ₄ heterostructures for a high performance supercapacitor. <i>RSC Advances</i> , 2016, 6, 15137-15142.	1.7	5
352	New architecture of a petal-shaped Nb ₂ O ₅ nanosheet film on FTO glass for high photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 9581-9588.	1.7	22
353	Electroactive edge site-enriched nickel-cobalt sulfide into graphene frameworks for high-performance asymmetric supercapacitors. <i>Energy and Environmental Science</i> , 2016, 9, 1299-1307.	15.6	623
354	Aqueous Rechargeable Zinc/Aluminum Ion Battery with Good Cycling Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9022-9029.	4.0	111
355	Environmentally-friendly aqueous Li (or Na)-ion battery with fast electrode kinetics and super-long life. <i>Science Advances</i> , 2016, 2, e1501038.	4.7	282
356	Ultrafine SnO ₂ nanoparticles encased in graphene oxide nanoribbons for high-performance lithium ion batteries. <i>Electrochimica Acta</i> , 2016, 191, 215-222.	2.6	22
357	Understanding electrochemical potentials of cathode materials in rechargeable batteries. <i>Materials Today</i> , 2016, 19, 109-123.	8.3	811
358	High power layered titanate nano-sheets as pseudocapacitive lithium-ion battery anodes. <i>Journal of Power Sources</i> , 2016, 305, 115-121.	4.0	28
359	Facile Synthesis of Microsphere Copper Cobalt Carbonate Hydroxides Electrode for Asymmetric Supercapacitor. <i>Electrochimica Acta</i> , 2016, 188, 898-908.	2.6	126
360	Homogeneously dispersed multimetal oxygen-evolving catalysts. <i>Science</i> , 2016, 352, 333-337.	6.0	1,948
361	Electrochemical Transport Phenomena in Hybrid Pseudocapacitors under Galvanostatic Cycling. <i>Journal of the Electrochemical Society</i> , 2016, 163, A229-A243.	1.3	12
362	Preparation of activated carbon paper by a novel method and application as high-performance supercapacitors. <i>Ionics</i> , 2016, 22, 529-534.	1.2	7
363	Single-Nanowire Electrochemical Probe Detection for Internally Optimized Mechanism of Porous Graphene in Electrochemical Devices. <i>Nano Letters</i> , 2016, 16, 1523-1529.	4.5	72
364	Rational Design of Graphene-Reinforced MnO Nanowires with Enhanced Electrochemical Performance for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6303-6308.	4.0	94

#	ARTICLE	IF	CITATIONS
365	Graphene-containing materials for use in supercapacitors. <i>Surface and Coatings Technology</i> , 2016, 303, 176-183.	2.2	11
366	2D amorphous iron phosphate nanosheets with high rate capability and ultra-long cycle life for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4479-4484.	5.2	33
367	Two-dimensional layered MoS ₂ : rational design, properties and electrochemical applications. <i>Energy and Environmental Science</i> , 2016, 9, 1190-1209.	15.6	532
368	High power nano-Nb ₂ O ₅ negative electrodes for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 192, 363-369.	2.6	102
369	VO ₂ nano-sheet negative electrodes for lithium-ion batteries. <i>Electrochemistry Communications</i> , 2016, 64, 56-60.	2.3	46
370	Revisiting Li ⁺ intercalation into various crystalline phases of Nb ₂ O ₅ anchored on graphene sheets as pseudocapacitive electrodes. <i>Journal of Power Sources</i> , 2016, 309, 42-49.	4.0	78
371	Sn ⁴⁺ Ion Decorated Highly Conductive Ti ₃ C ₂ MXene: Promising Lithium-Ion Anodes with Enhanced Volumetric Capacity and Cyclic Performance. <i>ACS Nano</i> , 2016, 10, 2491-2499.	7.3	632
372	Confined growth of Li ₄ Ti ₅ O ₁₂ nanoparticles in nitrogen-doped mesoporous graphene fibers for high-performance lithium-ion battery anodes. <i>Nano Research</i> , 2016, 9, 230-239.	5.8	48
373	Superior high-rate capability of Na ₃ (VO _{0.5}) ₂ (PO ₄) ₂ F ₂ nanoparticles embedded in porous graphene through the pseudocapacitive effect. <i>Chemical Communications</i> , 2016, 52, 3653-3656.	2.2	91
374	Comparative Electrochemical Charge Storage Properties of Bulk and Nanoscale Vanadium Oxide Electrodes. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1445-1458.	1.2	27
375	Structural Modification of Self-Organized Nanoporous Niobium Oxide via Hydrogen Treatment. <i>Chemistry of Materials</i> , 2016, 28, 1453-1461.	3.2	50
376	Origin of additional capacities in selenium-based ZnSe@C nanocomposite Li-ion battery electrodes. <i>Electrochemistry Communications</i> , 2016, 65, 44-47.	2.3	49
377	Comparison of amorphous, pseudohexagonal and orthorhombic Nb ₂ O ₅ for high-rate lithium ion insertion. <i>CrystEngComm</i> , 2016, 18, 2532-2540.	1.3	146
378	Lithium Titanate Confined in Carbon Nanopores for Asymmetric Supercapacitors. <i>ACS Nano</i> , 2016, 10, 3977-3984.	7.3	99
379	Ultra-high power capabilities in amorphous FePO ₄ thin films. <i>Journal of Power Sources</i> , 2016, 306, 454-458.	4.0	13
380	Electrochromic energy storage devices. <i>Materials Today</i> , 2016, 19, 394-402.	8.3	415
381	Annealing synthesis of coralline V ₂ O ₅ nanorod architecture for multicolor energy-efficient electrochromic device. <i>Solar Energy Materials and Solar Cells</i> , 2016, 146, 135-143.	3.0	93
382	Mechanical Milling Assisted Synthesis and Electrochemical Performance of High Capacity LiFeBO ₃ for Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2166-2172.	4.0	18

#	ARTICLE	IF	CITATIONS
383	Engineered nanomembranes for smart energy storage devices. <i>Chemical Society Reviews</i> , 2016, 45, 1308-1330.	18.7	167
384	Electrochemical charge storage in hierarchical carbon manifolds. <i>Carbon</i> , 2016, 99, 267-271.	5.4	12
385	Expanded graphitic materials prepared from micro- and nanometric precursors as anodes for sodium-ion batteries. <i>Electrochimica Acta</i> , 2016, 187, 496-507.	2.6	33
386	Aqueous Rechargeable Alkaline Co _x Ni ₂ S ₂ /TiO ₂ Battery. <i>ACS Nano</i> , 2016, 10, 1007-1016.	7.3	123
387	Introduction and Literature Background. <i>Springer Theses</i> , 2017, , 1-37.	0.0	1
388	Microwave-Assisted Rapid Synthesis of Self-Assembled Nb ₂ O ₅ Nanowires for High-Energy Hybrid Supercapacitors. <i>Chemistry - A European Journal</i> , 2017, 23, 4203-4209.	1.7	53
389	Porous One-Dimensional Nanomaterials: Design, Fabrication and Applications in Electrochemical Energy Storage. <i>Advanced Materials</i> , 2017, 29, 1602300.	11.1	615
390	High Power Lithium-ion Battery based on Spinel Cathode and Hard Carbon Anode. <i>Electrochimica Acta</i> , 2017, 228, 251-258.	2.6	40
391	Ultrafast Dischargeable LiMn ₂ O ₄ Thin-Film Electrodes with Pseudocapacitive Properties for Microbatteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5295-5301.	4.0	50
392	Lithium-free transition metal monoxides for positive electrodes in lithium-ion batteries. <i>Nature Energy</i> , 2017, 2, .	19.8	94
393	Rutile TiO ₂ mesocrystals with tunable subunits as a long-term cycling performance anode for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 699, 455-462.	2.8	19
394	Nano Si embedded SiO _x -Nb ₂ O ₅ -C composite as reversible lithium storage materials. <i>Journal of Alloys and Compounds</i> , 2017, 699, 351-357.	2.8	14
395	Enhanced Li ⁺ Ion Accessibility in MXene Titanium Carbide by Steric Chloride Termination. <i>Advanced Energy Materials</i> , 2017, 7, 1601873.	10.2	212
396	Graphene-based Composites for Electrochemical Energy Storage. <i>Springer Theses</i> , 2017, , .	0.0	10
397	Smart reconstruction of dual-carbon decorated MnO for anode with high-capacity and ultralong-life lithium storage properties. <i>Carbon</i> , 2017, 115, 95-104.	5.4	115
398	Pyrolytic-carbon coating in carbon nanotube foams for better performance in supercapacitors. <i>Journal of Power Sources</i> , 2017, 343, 492-501.	4.0	33
399	Ultra-thin all-solid-state micro-supercapacitors with exceptional performance and device flexibility. <i>Nano Energy</i> , 2017, 33, 387-392.	8.2	42
400	Porous Sandwiched Graphene/Silicon Anodes for Lithium Storage. <i>Electrochimica Acta</i> , 2017, 229, 445-451.	2.6	74

#	ARTICLE	IF	CITATIONS
401	Superior performance of ordered macroporous TiNb ₂ O ₇ anodes for lithium ion batteries: Understanding from the structural and pseudocapacitive insights on achieving high rate capability. Nano Energy, 2017, 34, 15-25.	8.2	351
402	Redox Active Cation Intercalation/Deintercalation in Two-Dimensional Layered MnO ₂ Nanostructures for High-Rate Electrochemical Energy Storage. ACS Applied Materials & Interfaces, 2017, 9, 6282-6291.	4.0	80
403	Materials Design and System Construction for Conventional and New-Concept Supercapacitors. Advanced Science, 2017, 4, 1600382.	5.6	365
404	Fabrication of Nb ₂ O ₅ /C nanocomposites as a high performance anode for lithium ion battery. Chinese Chemical Letters, 2017, 28, 755-758.	4.8	41
405	A Continuous Carbon Nitride Polyhedron Assembly for High-Performance Flexible Supercapacitors. Advanced Functional Materials, 2017, 27, 1606219.	7.8	141
406	Preparation of Three-Dimensional Co ₃ O ₄ /graphene Composite for High-Performance Supercapacitors. Chemical Engineering Communications, 2017, 204, 723-728.	1.5	10
407	Battery-Supercapacitor Hybrid Devices: Recent Progress and Future Prospects. Advanced Science, 2017, 4, 1600539.	5.6	1,223
408	Ultrafast, Highly Reversible, and Cycle-Stable Lithium Storage Boosted by Pseudocapacitance in Sn-Based Alloying Anodes. Advanced Materials, 2017, 29, 1606499.	11.1	102
409	Enhancing Sodium-Ion Storage Behaviors in TiNb ₂ O ₇ by Mechanical Ball Milling. ACS Applied Materials & Interfaces, 2017, 9, 8696-8703.	4.0	70
410	Shedding light on the light-driven lithium ion de-insertion reaction: towards the design of a photo-rechargeable battery. Journal of Materials Chemistry A, 2017, 5, 5927-5933.	5.2	43
411	Nb-Doped Rutile TiO ₂ Mesocrystals with Enhanced Lithium Storage Properties for Lithium Ion Battery. Chemistry - A European Journal, 2017, 23, 5059-5065.	1.7	39
412	Covalent-organic-frameworks derived N-doped porous carbon materials as anode for superior long-life cycling lithium and sodium ion batteries. Carbon, 2017, 116, 686-694.	5.4	260
413	Cubic Prussian blue crystals from a facile one-step synthesis as positive electrode material for superior potassium-ion capacitors. Electrochimica Acta, 2017, 232, 106-113.	2.6	103
414	The critical role of point defects in improving the specific capacitance of γ -MnO ₂ nanosheets. Nature Communications, 2017, 8, 14559.	5.8	208
415	High Intercalation Pseudocapacitance of Free-Standing T-Nb ₂ O ₅ Nanowires@carbon Cloth Hybrid Supercapacitor Electrodes. Journal of the Electrochemical Society, 2017, 164, A820-A825.	1.3	38
416	Preparation and Lithium-Storage Performance of a Novel Hierarchical Porous Carbon from Sucrose Using Mg-Al Layered Double Hydroxides as Template. Electrochimica Acta, 2017, 231, 153-161.	2.6	24
417	Design structure model and renewable energy technology for rechargeable battery towards greener and more sustainable electric vehicle. Renewable and Sustainable Energy Reviews, 2017, 74, 19-25.	8.2	43
418	Swollen Ammoniated MoS ₂ with 1T/2H Hybrid Phases for High-Rate Electrochemical Energy Storage. ACS Sustainable Chemistry and Engineering, 2017, 5, 2509-2515.	3.2	194

#	ARTICLE	IF	CITATIONS
419	Pseudocapacitance-Enhanced Li-Ion Microbatteries Derived by a TiN@TiO ₂ Nanowire Anode. <i>CheM</i> , 2017, 2, 404-416.	5.8	90
420	Enhanced Sodium-Ion Mobility and Electronic Transport of Hydrogen-Incorporated V ₂ O ₅ Electrode Materials. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5974-5982.	1.5	6
421	Pseudocapacitive Sodium Storage in Mesoporous Single-Crystal-like TiO ₂ –Graphene Nanocomposite Enables High-Performance Sodium-Ion Capacitors. <i>ACS Nano</i> , 2017, 11, 2952-2960.	7.3	542
422	Binder-free Ti ₃ C ₂ T _x MXene electrode film for supercapacitor produced by electrophoretic deposition method. <i>Chemical Engineering Journal</i> , 2017, 317, 1026-1036.	6.6	202
423	Self-branched β -MnO ₂ / β -MnO ₂ heterojunction nanowires with enhanced pseudocapacitance. <i>Materials Horizons</i> , 2017, 4, 415-422.	6.4	105
424	A facile method for the synthesis of a C@MoO ₂ hollow yolk–shell structure and its electrochemical properties as a faradaic electrode. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1585-1593.	3.2	24
425	Persistent Electrochemical Performance in Epitaxial VO ₂ (B). <i>Nano Letters</i> , 2017, 17, 2229-2233.	4.5	41
426	Hollow carbon nanobubbles: monocrystalline MOF nanobubbles and their pyrolysis. <i>Chemical Science</i> , 2017, 8, 3538-3546.	3.7	329
427	Recent progresses in high-energy-density all pseudocapacitive-electrode-materials-based asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9443-9464.	5.2	278
428	Nylon-Graphene Composite Nonwovens as Monolithic Conductive or Capacitive Fabrics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8308-8316.	4.0	41
429	Low temperature reduction of graphene oxide film by ammonia solution and its application for high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10098-10105.	1.1	15
430	High-performance sodium-ion batteries and flexible sodium-ion capacitors based on Sb ₂ X ₃ (X = O, S)/carbon fiber cloth. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9169-9176.	5.2	84
431	Novel flower-like graphene foam directly grown on a nickel template by chemical vapor deposition. <i>Carbon</i> , 2017, 120, 103-110.	5.4	34
432	Defect-rich TiO ₂ - γ nanocrystals confined in a mooncake-shaped porous carbon matrix as an advanced Na ion battery anode. <i>Journal of Power Sources</i> , 2017, 354, 179-188.	4.0	87
433	Granadilla-Inspired Structure Design for Conversion/Alloy-Reaction Electrode with Integrated Lithium Storage Behaviors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15470-15476.	4.0	11
434	Collateral Advantages of a Gel Electrolyte for MnO ₂ Nanowire Capacitors: Higher Voltage and Reduced Volume. <i>ACS Energy Letters</i> , 2017, 2, 1162-1169.	8.8	11
435	Toward ultrafast lithium ion capacitors: A novel atomic layer deposition seeded preparation of Li ₄ Ti ₅ O ₁₂ /graphene anode. <i>Nano Energy</i> , 2017, 36, 46-57.	8.2	138
436	Na ₂ Ti ₃ O ₇ @N-doped Carbon Hollow Spheres for Sodium-Ion Batteries with Excellent Rate Performance. <i>Advanced Materials</i> , 2017, 29, 1700989.	11.1	275

#	ARTICLE	IF	CITATIONS
437	Methyl-functionalized MoS ₂ nanosheets with reduced lattice breathing for enhanced pseudocapacitive sodium storage. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13696-13702.	1.3	62
438	Electrochemical behavior of interconnected Ti ₂ Nb ₁₀ O ₂₉ nanoparticles for high-power Li-ion battery anodes. <i>Electrochimica Acta</i> , 2017, 236, 451-459.	2.6	42
439	Three-dimensional holey-graphene/niobia composite architectures for ultrahigh-rate energy storage. <i>Science</i> , 2017, 356, 599-604.	6.0	1,229
440	Charge delivery goes the distance. <i>Science</i> , 2017, 356, 582-583.	6.0	96
441	Manipulating Adsorption/Insertion Mechanisms in Nanostructured Carbon Materials for High-Efficiency Sodium Ion Storage. <i>Advanced Energy Materials</i> , 2017, 7, 1700403.	10.2	662
442	Molybdenum-Tungsten Mixed Oxide Deposited into Titanium Dioxide Nanotube Arrays for Ultrahigh Rate Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18699-18709.	4.0	30
443	ZnSb ₂ O ₆ : an advanced anode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10843-10848.	5.2	34
444	Vertically Aligned Niobium Nanowire Arrays for Fast-Charging Micro-Supercapacitors. <i>Advanced Materials</i> , 2017, 29, 1700671.	11.1	42
445	Carbon Thin Film Wrapped around a Three-Dimensional Nitrogen-Doped Carbon Scaffold for Superior-Performance Supercapacitors. <i>Chemistry - A European Journal</i> , 2017, 23, 9641-9646.	1.7	13
446	Highly Conductive, Lightweight, Low-Tortuosity Carbon Frameworks as Ultrathick 3D Current Collectors. <i>Advanced Energy Materials</i> , 2017, 7, 1700595.	10.2	210
447	Binder-Free N- and O-Rich Carbon Nanofiber Anodes for Long Cycle Life K-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17872-17881.	4.0	194
448	Prestoring Lithium into Stable 3D Nickel Foam Host as Dendrite-Free Lithium Metal Anode. <i>Advanced Functional Materials</i> , 2017, 27, 1700348.	7.8	686
449	Emerging 3D-Printed Electrochemical Energy Storage Devices: A Critical Review. <i>Advanced Energy Materials</i> , 2017, 7, 1700127.	10.2	300
450	Facile preparation of flower-like hierarchical Nb ₂ O ₅ microspheres self-assembled by nanorod for high-power anodes in advanced hybrid supercapacitor. <i>Journal of Alloys and Compounds</i> , 2017, 715, 275-283.	2.8	37
451	Peapod-like Li ₃ VO ₄ /N-Doped Carbon Nanowires with Pseudocapacitive Properties as Advanced Materials for High-Energy Lithium-Ion Capacitors. <i>Advanced Materials</i> , 2017, 29, 1700142.	11.1	298
452	Pseudocapacitive titanium oxynitride mesoporous nanowires with iso-oriented nanocrystals for ultrahigh-rate sodium ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10827-10835.	5.2	94
453	Niobium oxide nanoparticle core/amorphous carbon shell structure for fast reversible lithium storage. <i>Electrochimica Acta</i> , 2017, 240, 316-322.	2.6	34
454	Enhancement of the Ni-Co hydroxide response as Energy Storage Material by Electrochemically Reduced Graphene Oxide. <i>Electrochimica Acta</i> , 2017, 240, 323-340.	2.6	39

#	ARTICLE	IF	CITATIONS
455	Unraveling the Nature of Anomalously Fast Energy Storage in T-Nb ₂ O ₅ . Journal of the American Chemical Society, 2017, 139, 7071-7081.	6.6	171
456	Novel Preparation of N-Doped SnO ₂ Nanoparticles via Laser-Assisted Pyrolysis: Demonstration of Exceptional Lithium Storage Properties. Advanced Materials, 2017, 29, 1603286.	11.1	132
457	Asymmetric Energy Storage Devices Based on Surface-Driven Sodium-Ion Storage. ACS Sustainable Chemistry and Engineering, 2017, 5, 616-624.	3.2	30
458	Oxygen vacancies enhance pseudocapacitive charge storage properties of MoO ₃ ·x. Nature Materials, 2017, 16, 454-460.	13.3	1,632
459	Atomically thin Co ₃ O ₄ nanosheet-coated stainless steel mesh with enhanced capacitive Na ⁺ storage for high-performance sodium-ion batteries. 2D Materials, 2017, 4, 015022.	2.0	44
460	Cyclic voltammetry modeling of proton transport effects on redox charge storage in conductive materials: application to a TiO ₂ mesoporous film. Physical Chemistry Chemical Physics, 2017, 19, 17944-17951.	1.3	18
461	Conductive Carbon Nitride for Excellent Energy Storage. Advanced Materials, 2017, 29, 1701674.	11.1	142
462	Direct successive ionic layer adsorption and reaction (SILAR) synthesis of nickel and cobalt hydroxide composites for supercapacitor applications. Journal of Alloys and Compounds, 2017, 722, 809-817.	2.8	45
463	Mesoporous orthorhombic Nb ₂ O ₅ nanofibers as pseudocapacitive electrodes with ultra-stable Li storage characteristics. Journal of Power Sources, 2017, 360, 434-442.	4.0	68
464	A general approach to 3D porous CQDs/MxOy (M = Co, Ni) for remarkable performance hybrid supercapacitors. Chemical Engineering Journal, 2017, 326, 58-67.	6.6	37
465	Nitrogen-rich hard carbon as a highly durable anode for high-power potassium-ion batteries. Energy Storage Materials, 2017, 8, 161-168.	9.5	408
466	Tuning pseudocapacitive and battery-like lithium intercalation in vanadium dioxide/carbon onion hybrids for asymmetric supercapacitor anodes. Journal of Materials Chemistry A, 2017, 5, 13039-13051.	5.2	41
467	Formation of Porous Cu-Doped CoSe ₂ Connected by Nanoparticles for Efficient Lithium Storage. ChemElectroChem, 2017, 4, 2158-2163.	1.7	29
468	Fully Biodegradable Microsupercapacitor for Power Storage in Transient Electronics. Advanced Energy Materials, 2017, 7, 1700157.	10.2	196
469	Hydrogenated Core-Shell MAX@K ₂ Ti ₈ O ₁₇ Pseudocapacitance with Ultrafast Sodium Storage and Long-Term Cycling. Advanced Energy Materials, 2017, 7, 1700700.	10.2	54
470	Carbon quantum dot-induced self-assembly of ultrathin Ni(OH) ₂ nanosheets: A facile method for fabricating three-dimensional porous hierarchical composite micro-nanostructures with excellent supercapacitor performance. Nano Research, 2017, 10, 3005-3017.	5.8	73
471	Generalized Synthesis of Metal Oxide Nanosheets and Their Application as Li-Ion Battery Anodes. Advanced Materials, 2017, 29, 1701427.	11.1	110
472	Advanced supercapacitor prototype using nanostructured double-sided MnO ₂ /CNT electrodes on flexible graphite foil. Journal of Applied Electrochemistry, 2017, 47, 1035-1044.	1.5	17

#	ARTICLE	IF	CITATIONS
473	Carbon-Coated Li_3VO_4 Spheres as Constituents of an Advanced Anode Material for High-Rate Long-Life Lithium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1701571.	11.1	119
474	Pseudocapacitive Li^+ intercalation in $\text{ZnO}/\text{ZnO}@C$ composites enables high-rate lithium-ion storage and stable cyclability. <i>Ceramics International</i> , 2017, 43, 11998-12004.	2.3	28
475	Growth of highly mesoporous CuCo_2O_4 nanoflakes/ $\text{Ni}(\text{OH})_2$ nanosheets as advanced electrodes for high-performance hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 722, 928-937.	2.8	27
476	Construction of hollow Co_3O_4 cubes as a high-performance anode for lithium ion batteries. <i>New Journal of Chemistry</i> , 2017, 41, 7960-7965.	1.4	28
477	Amphicharge-Storeable Pyropolymers Containing Multitiered Nanopores. <i>Advanced Energy Materials</i> , 2017, 7, 1700629.	10.2	32
478	Construction of hybrid hollow architectures by in-situ rooting ultrafine ZnS nanorods within porous carbon polyhedra for enhanced lithium storage properties. <i>Chemical Engineering Journal</i> , 2017, 326, 680-690.	6.6	147
479	Oxygen vacancies: Effective strategy to boost sodium storage of amorphous electrode materials. <i>Nano Energy</i> , 2017, 38, 304-312.	8.2	92
480	Efficient storage mechanisms and heterogeneous structures for building better next-generation lithium rechargeable batteries. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 1503-1512.	8.2	10
481	Self-Assembled 3D Hierarchical Porous Bi_2MoO_6 Microspheres toward High Capacity and Ultra-Long-Life Anode Material for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21781-21790.	4.0	57
482	FeSe_2 clusters with excellent cyclability and rate capability for sodium-ion batteries. <i>Nano Research</i> , 2017, 10, 3202-3211.	5.8	91
483	$\text{Li}_4\text{Ti}_5\text{O}_{12}$ - $\text{TiO}_2/\text{MoO}_2$ nanoclusters-embedded into carbon nanosheets core/shell porous superstructures boost lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12096-12102.	5.2	28
484	Uniformly-distributed Sb nanoparticles in ionic liquid-derived nitrogen-enriched carbon for highly reversible sodium storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13411-13420.	5.2	79
485	A review on cellulose and lignin based binders and electrodes: Small steps towards a sustainable lithium ion battery. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 1032-1043.	3.6	138
486	Flexible and Wearable Fiber Microsupercapacitors Based on Carbon Nanotube-Agarose Gel Composite Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 19925-19933.	4.0	34
487	Multihierarchical Structure of Hybridized Phosphates Anchored on Reduced Graphene Oxide for High Power Hybrid Energy Storage Devices. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5679-5685.	3.2	49
488	Designing Pseudocapacitance for $\text{Nb}_2\text{O}_5/\text{Carbide-Derived Carbon}$ Electrodes and Hybrid Devices. <i>Langmuir</i> , 2017, 33, 9407-9415.	1.6	67
489	Fabrication of Amorphous Mesoporous $\text{Ni}(\text{OH})_2$ Hollow Spheres with Waxberry-Like Morphology for Supercapacitor Electrodes. <i>ChemElectroChem</i> , 2017, 4, 2314-2320.	1.7	10
490	Hierarchical $\text{MCMB}/\text{CuO}/\text{Cu}$ anode with super-hydrophilic substrate and blind-hole structures for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 719, 353-364.	2.8	10

#	ARTICLE	IF	CITATIONS
491	A superhydrophilic ϵ -nanoglue for stabilizing metal hydroxides onto carbon materials for high-energy and ultralong-life asymmetric supercapacitors. <i>Energy and Environmental Science</i> , 2017, 10, 1958-1965.	15.6	294
492	Smart hybridization of $\text{Sn}_2\text{Nb}_2\text{O}_7/\text{SnO}_2$ @3D carbon nanocomposites with enhanced sodium storage performance through self-buffering effects. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13052-13061.	5.2	23
493	Exploiting Lithium-Ether Co-Intercalation in Graphite for High-Power Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1700418.	10.2	122
494	Hierarchical self-supported C@TiO ₂ -MoS ₂ core-shell nanofiber mats as flexible anode for advanced lithium ion batteries. <i>Applied Surface Science</i> , 2017, 423, 375-382.	3.1	40
495	Three-Dimensional Binder-Free Nanoarchitectures for Advanced Pseudocapacitors. <i>Advanced Materials</i> , 2017, 29, .	11.1	97
496	Solid-state supercapacitor cell based on 3D nanostructured MnO ₂ /CNT microelectrode array on graphite and H ₃ PO ₄ /PVA electrolyte. <i>Diamond and Related Materials</i> , 2017, 74, 222-228.	1.8	14
497	Remarkable improvement in supercapacitor performance by sulfur introduction during a one-step synthesis of nickel hydroxide. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10462-10469.	1.3	20
498	High performance sodium-ion hybrid capacitor based on Na ₂ Ti ₂ O ₄ (OH) ₂ nanostructures. <i>Journal of Power Sources</i> , 2017, 353, 85-94.	4.0	95
499	A 3-D binder-free nanoporous anode for a safe and stable charging of lithium ion batteries. <i>Materials Research Bulletin</i> , 2017, 93, 1-8.	2.7	21
500	Phase control of TiO ₂ nanobelts by microwave irradiation as anode materials with tunable Li-diffusion kinetics. <i>Materials Research Bulletin</i> , 2017, 96, 365-371.	2.7	14
501	Monodispersed Carbon-Coated Cubic NiP ₂ Nanoparticles Anchored on Carbon Nanotubes as Ultra-Long-Life Anodes for Reversible Lithium Storage. <i>ACS Nano</i> , 2017, 11, 3705-3715.	7.3	231
502	Understanding the Li-storage in few layers graphene with respect to bulk graphite: experimental, analytical and computational study. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8662-8679.	5.2	70
503	Pseudocapacitance-tuned high-rate and long-term cyclability of NiCo ₂ S ₄ hexagonal nanosheets prepared by vapor transformation for lithium storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9022-9031.	5.2	87
504	Tetramethyl ammonium cation intercalated layered birnessite manganese dioxide for high-performance intercalation pseudocapacitor. <i>Journal of Power Sources</i> , 2017, 353, 77-84.	4.0	40
505	Preparation of a NbN/graphene nanocomposite by solution impregnation and its application in high-performance Li-ion hybrid capacitors. <i>RSC Advances</i> , 2017, 7, 19967-19975.	1.7	10
506	Ti-Nb ₂ O ₅ quantum dots prepared by electrodeposition for fast Li ion intercalation/deintercalation. <i>Nanotechnology</i> , 2017, 28, 215401.	1.3	13
507	Novel layer-by-layer stacked VS ₂ nanosheets with intercalation pseudocapacitance for high-rate sodium ion charge storage. <i>Nano Energy</i> , 2017, 35, 396-404.	8.2	313
508	A template-free synthesis via alkaline route for Nb ₂ O ₅ /carbon nanotubes composite as pseudo-capacitor material with high-rate performance. <i>Electrochimica Acta</i> , 2017, 235, 175-181.	2.6	40

#	ARTICLE	IF	CITATIONS
509	Aluminum Ion Intercalation Supercapacitors with Ultrahigh Areal Capacitance and Highly Enhanced Cycling Stability: Power Supply for Flexible Electrochromic Devices. <i>Small</i> , 2017, 13, 1700380.	5.2	107
510	Self-Assembled Array of Tethered Manganese Oxide Nanoparticles for the Next Generation of Energy Storage. <i>Scientific Reports</i> , 2017, 7, 44191.	1.6	10
511	Carbon Anode Materials for Advanced Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1602898.	10.2	858
512	Formation of a Surficial Bifunctional Nanolayer on Nb ₂ O ₅ for Ultrastable Electrodes for Lithium Ion Battery. <i>Small</i> , 2017, 13, 1603610.	5.2	74
513	A Review on Design Strategies for Carbon Based Metal Oxides and Sulfides Nanocomposites for High Performance Li and Na Ion Battery Anodes. <i>Advanced Energy Materials</i> , 2017, 7, 1601424.	10.2	486
514	Highly Reversible and Durable Na Storage in Niobium Pentoxide through Optimizing Structure, Composition, and Nanoarchitecture. <i>Advanced Materials</i> , 2017, 29, 1605607.	11.1	122
515	Shape-Controlled TiO ₂ Nanocrystals for Na-Ion Battery Electrodes: The Role of Different Exposed Crystal Facets on the Electrochemical Properties. <i>Nano Letters</i> , 2017, 17, 992-1000.	4.5	162
516	Tuning the interlayer of transition metal oxides for electrochemical energy storage. <i>Journal of Materials Research</i> , 2017, 32, 2-15.	1.2	67
517	Tunable Pseudocapacitance in 3D TiO ₂ Nanomembranes Enabling Superior Lithium Storage Performance. <i>ACS Nano</i> , 2017, 11, 821-830.	7.3	124
518	Long-Lasting Nb ₂ O ₅ -Based Nanocomposite Materials for Li-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2267-2274.	4.0	75
519	Scalable Self-Propagating High-Temperature Synthesis of Graphene for Supercapacitors with Superior Power Density and Cyclic Stability. <i>Advanced Materials</i> , 2017, 29, 1604690.	11.1	186
520	Three-dimensional graphene anchored Fe ₂ O ₃ @C core-shell nanoparticles as supercapacitor electrodes. <i>Journal of Alloys and Compounds</i> , 2017, 696, 956-963.	2.8	39
521	Kinetic characteristics up to 4.8 V of layered LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ cathode materials for high voltage lithium-ion batteries. <i>Electrochimica Acta</i> , 2017, 227, 152-161.	2.6	36
522	Ti ³⁺ -free three-phase Li ₄ Ti ₅ O ₁₂ /TiO ₂ for high-rate lithium ion batteries: Capacity and conductivity enhancement by phase boundaries. <i>Nano Energy</i> , 2017, 32, 294-301.	8.2	110
523	Redox-active organic molecules functionalized nitrogen-doped porous carbon derived from metal-organic framework as electrode materials for supercapacitor. <i>Electrochimica Acta</i> , 2017, 223, 74-84.	2.6	89
524	Na ₂ Ti ₃ O ₇ Nanoplatelets and Nanosheets Derived from a Modified Exfoliation Process for Use as a High-Capacity Sodium-Ion Negative Electrode. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1416-1425.	4.0	72
525	Pillared Structure Design of MXene with Ultralarge Interlayer Spacing for High-Performance Lithium-Ion Capacitors. <i>ACS Nano</i> , 2017, 11, 2459-2469.	7.3	700
526	A high-performance supercapacitor based on activated carbon fibers with an optimized pore structure and oxygen-containing functional groups. <i>Materials Chemistry Frontiers</i> , 2017, 1, 958-966.	3.2	57

#	ARTICLE	IF	CITATIONS
527	Encapsulation of zinc hexacyanoferrate nanocubes with manganese oxide nanosheets for high-performance rechargeable zinc ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23628-23633.	5.2	199
528	Dual-Graphene Rechargeable Sodium Battery. <i>Small</i> , 2017, 13, 1702449.	5.2	64
529	3D nitrogen-doped graphene decorated CoNi ₂ S ₄ @polypyrrole electrode for pseudocapacitor with ultrahigh electrochemical performance. <i>FlatChem</i> , 2017, 6, 1-10.	2.8	9
530	Robust and Conductive Na ₂ Ti ₂ O ₅ Nanowire Arrays for High-Performance Flexible Sodium-Ion Capacitor. <i>Chemistry of Materials</i> , 2017, 29, 9133-9141.	3.2	77
531	Reducing the Charge Carrier Transport Barrier in Functionally Layer-Graded Electrodes. <i>Angewandte Chemie</i> , 2017, 129, 15043-15048.	1.6	23
532	A new layered titanate Na ₂ Li ₂ Ti ₅ O ₁₂ as a high-performance intercalation anode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22208-22215.	5.2	18
533	Nitrogen Rich Carbon Coated TiO ₂ Nanoparticles as Anode for High Performance Lithium-ion Battery. <i>Electrochimica Acta</i> , 2017, 255, 417-427.	2.6	56
534	Exfoliation Mechanism of Graphite Cathode in Ionic Liquids. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36702-36707.	4.0	50
535	High-Voltage Aqueous Magnesium Ion Batteries. <i>ACS Central Science</i> , 2017, 3, 1121-1128.	5.3	256
536	Melt-Spun Fe-Sb Intermetallic Alloy Anode for Performance Enhanced Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39399-39406.	4.0	48
537	Comparison of catalytic activity between Au(110) and Au(111) for the electro-oxidation of methanol and formic acid: Experiment and density functional theory calculation. <i>Electrochimica Acta</i> , 2017, 256, 129-138.	2.6	22
538	Capacitance-enhanced sodium-ion storage in nitrogen-rich hard carbon. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22186-22192.	5.2	85
539	Porous ZrNb ₂₄ O ₆₂ nanowires with pseudocapacitive behavior achieve high-performance lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22297-22304.	5.2	71
540	Synthesis of NiMoS ₄ for High-Performance Hybrid Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2017, 164, A2881-A2888.	1.3	55
541	Reducing the Charge Carrier Transport Barrier in Functionally Layer-Graded Electrodes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14847-14852.	7.2	88
542	Cobalt hexacyanoferrate nanoparticles and MoO ₃ thin films grown on carbon fiber cloth for efficient flexible hybrid supercapacitor. <i>Journal of Power Sources</i> , 2017, 370, 98-105.	4.0	56
543	Flexible Aqueous Li-Ion Battery with High Energy and Power Densities. <i>Advanced Materials</i> , 2017, 29, 1701972.	11.1	175
544	Kraft Lignin as Electrode Material for Sustainable Electrochemical Energy Storage. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700698.	1.9	48

#	ARTICLE	IF	CITATIONS
545	Ultracentrifugation: An effective novel route to ultrafast nanomaterials for hybrid supercapacitors. <i>Current Opinion in Electrochemistry</i> , 2017, 6, 120-126.	2.5	8
546	From capacitance-controlled to diffusion-controlled electrochromism in one-dimensional shape-tailored tungsten oxide nanocrystals. <i>Nano Energy</i> , 2017, 41, 634-645.	8.2	63
547	Organic multi-electron redox couple-induced functionalization for enabling ultrahigh rate and cycling performances of supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25420-25430.	5.2	57
548	High-Level Supercapacitive Performance of Chemically Reduced Graphene Oxide. <i>CheM</i> , 2017, 3, 846-860.	5.8	68
549	Reduced Graphene Oxide/LiI Composite Lithium Ion Battery Cathodes. <i>Nano Letters</i> , 2017, 17, 6893-6899.	4.5	67
550	Fast Sodium Storage in TiO ₂ @CNT@C Nanorods for High-Performance Na ⁺ Ion Capacitors. <i>Advanced Energy Materials</i> , 2017, 7, 1701222.	10.2	296
551	Hydrothermal Preparation, Crystal Chemistry, and Redox Properties of Iron Muscovite Clay. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34024-34032.	4.0	5
552	Optimized K ⁺ pre-intercalation in layered manganese dioxide nanoflake arrays with high intercalation pseudocapacitance. <i>Ceramics International</i> , 2017, 43, 14897-14904.	2.3	29
553	Membranes of carbon nanofibers with embedded MoO ₃ nanoparticles showing superior cycling performance for all-solid-state flexible supercapacitors. <i>Materials Today Energy</i> , 2017, 6, 27-35.	2.5	24
555	Mechanochemical assembly of 3D mesoporous conducting-polymer aerogels for high performance hybrid electrochemical energy storage. <i>Nano Energy</i> , 2017, 41, 193-200.	8.2	20
556	Lithium titanate hydrates with superfast and stable cycling in lithium ion batteries. <i>Nature Communications</i> , 2017, 8, 627.	5.8	110
557	Elucidating the Intercalation Pseudocapacitance Mechanism of MoS ₂ @Carbon Monolayer Interoverlapped Superstructure: Toward High-Performance Sodium-Ion-Based Hybrid Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32745-32755.	4.0	156
558	Interface-engineered MoS ₂ /C nanosheet heterostructure arrays for ultra-stable sodium-ion batteries. <i>Chemical Engineering Science</i> , 2017, 174, 104-111.	1.9	60
559	High purity Mn ₅ O ₈ nanoparticles with a high overpotential to gas evolution reactions for high voltage aqueous sodium-ion electrochemical storage. <i>Frontiers in Energy</i> , 2017, 11, 383-400.	1.2	19
560	Extrinsic pseudocapacitive Li-ion storage of SnS anode via lithiation-induced structural optimization on cycling. <i>Journal of Power Sources</i> , 2017, 366, 1-8.	4.0	54
561	Rational design of Li ₃ VO ₄ @carbon core-shell nanoparticles as Li-ion hybrid supercapacitor anode materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20969-20977.	5.2	34
562	Origin of charge storage in cobalt oxide - Anchored graphene nanocomposites. <i>Carbon</i> , 2017, 125, 168-179.	5.4	19
563	Nonaqueous Hybrid Lithium ⁺ and Sodium ⁺ Ion Capacitors. <i>Advanced Materials</i> , 2017, 29, 1702093.	11.1	699

#	ARTICLE	IF	CITATIONS
564	Accessible 3D Integrative Paper Electrode Shapes: All-Carbon Dual-Ion Batteries with Optimum Packaging Performances. <i>ChemElectroChem</i> , 2017, 4, 3238-3243.	1.7	21
565	Effective Interlayer Engineering of Two-Dimensional VOPO ₄ Nanosheets via Controlled Organic Intercalation for Improving Alkali Ion Storage. <i>Nano Letters</i> , 2017, 17, 6273-6279.	4.5	102
566	Alkaline earth metal vanadates as sodium-ion battery anodes. <i>Nature Communications</i> , 2017, 8, 460.	5.8	136
567	Using Nanoscale Domain Size To Control Charge Storage Kinetics in Pseudocapacitive Nanoporous LiMn ₂ O ₄ Powders. <i>ACS Energy Letters</i> , 2017, 2, 2293-2298.	8.8	51
568	Superior sodium storage performance of additive-free V ₂ O ₅ thin film electrodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16590-16594.	5.2	56
569	Over-Stoichiometric NbO ₂ Nanoparticles for a High Energy and Power Density Lithium Microbattery. <i>ChemNanoMat</i> , 2017, 3, 646-655.	1.5	19
570	Flexible MXene-graphene electrodes with high volumetric capacitance for integrated co-cathode energy conversion/storage devices. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17442-17451.	5.2	211
571	Recent developments of cellulose materials for lithium-ion battery separators. <i>Cellulose</i> , 2017, 24, 4103-4122.	2.4	148
573	Formation of Septuple-Shelled (Co _{2/3} Mn _{1/3})(Co _{5/6} Mn _{1/6}) ₂ O ₄ Hollow Spheres as Electrode Material for Alkaline Rechargeable Battery. <i>Advanced Materials</i> , 2017, 29, 1700550.	11.1	122
574	Nano-confined Mo ₂ C Particles Embedded in a Porous Carbon Matrix: A Promising Anode for Ultra-Stable Na Storage. <i>ChemElectroChem</i> , 2017, 4, 2669-2676.	1.7	17
575	Enabling Flexible Heterostructures for Li-Ion Battery Anodes Based on Nanotube and Liquid-Phase Exfoliated 2D Gallium Chalcogenide Nanosheet Colloidal Solutions. <i>Small</i> , 2017, 13, 1701677.	5.2	71
576	Metallic Vanadium Disulfide Nanosheets as a Platform Material for Multifunctional Electrode Applications. <i>Nano Letters</i> , 2017, 17, 4908-4916.	4.5	230
577	Graphene-anchored NiCoO ₂ nanoarrays as supercapacitor electrode for enhanced electrochemical performance. <i>Electrochimica Acta</i> , 2017, 248, 562-569.	2.6	58
578	Engineering layer structure of MoS ₂ -graphene composites with robust and fast lithium storage for high-performance Li-ion capacitors. <i>Energy Storage Materials</i> , 2017, 9, 195-205.	9.5	153
579	Heterogeneous TiO ₂ @Nb ₂ O ₅ composite as a high-performance anode for lithium-ion batteries. <i>Scientific Reports</i> , 2017, 7, 7204.	1.6	10
580	A practical Li ion battery anode material with high gravimetric/volumetric capacities based on T-Nb ₂ O ₅ /graphite composite. <i>Chemical Engineering Journal</i> , 2017, 328, 844-852.	6.6	33
581	High-rate capability of Na ₂ FePO ₄ F nanoparticles by enhancing surface carbon functionality for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18707-18715.	5.2	70
582	Investigation into the energy storage behaviour of layered \pm -V ₂ O ₅ as a pseudo-capacitive electrode using operando Raman spectroscopy and a quartz crystal microbalance. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24689-24695.	1.3	22

#	ARTICLE	IF	CITATIONS
583	Enhanced Electrochemical Lithium-Ion Charge Storage of Iron Oxide Nanosheets. <i>Chemistry of Materials</i> , 2017, 29, 7794-7807.	3.2	28
584	Air-Stable Porous Fe ₂ N Encapsulated in Carbon Microboxes with High Volumetric Lithium Storage Capacity and a Long Cycle Life. <i>Nano Letters</i> , 2017, 17, 5740-5746.	4.5	132
585	Robust Pitaya-Structured Pyrite as High Energy Density Cathode for High-Rate Lithium Batteries. <i>ACS Nano</i> , 2017, 11, 9033-9040.	7.3	247
586	Fabrication of nanoarchitected TiO ₂ (B)/rGO electrode for 4V quasi-solid-state nanohybrid supercapacitors. <i>Electrochimica Acta</i> , 2017, 258, 343-352.	2.6	20
587	Solid-Solution Sulfides Derived from Tunable Layered Double Hydroxide Precursors/Graphene Aerogel for Pseudocapacitors and Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42742-42750.	4.0	27
588	Heterogeneous Ti ₃ Si ₂ @C-Containing Na ₂ Ti ₇ O ₁₅ Architecture for High-Performance Sodium Storage at Elevated Temperatures. <i>ACS Nano</i> , 2017, 11, 12219-12229.	7.3	48
589	General and Scalable Solid-State Synthesis of 2D MPS ₃ (M = Fe, Co, Ni) Nanosheets and Tuning Their Li/Na Storage Properties. <i>Small Methods</i> , 2017, 1, 1700304.	4.6	90
590	Dual-phase spinel Li ₄ Ti ₅ O ₁₂ /anatase TiO ₂ nanosheet anchored 3D reduced graphene oxide aerogel scaffolds as self-supporting electrodes for high-performance Na- and Li-ion batteries. <i>RSC Advances</i> , 2017, 7, 52702-52711.	1.7	11
591	Latest advances in supercapacitors: from new electrode materials to novel device designs. <i>Chemical Society Reviews</i> , 2017, 46, 6816-6854.	18.7	1,567
592	Eco-Friendly and High Performance Supercapacitors for Elevated Temperature Applications Using Recycled Tea Leaves. <i>Global Challenges</i> , 2017, 1, 1700063.	1.8	58
593	Amorphous red phosphorus nanosheets anchored on graphene layers as high performance anodes for lithium ion batteries. <i>Nanoscale</i> , 2017, 9, 18552-18560.	2.8	41
594	The Factors Determining Charge Rate of Magnetite Electrode and the Functional Mechanism of Sulfide on the Reaction. <i>Electrochimica Acta</i> , 2017, 258, 143-152.	2.6	1
595	Controllable Interlayer Spacing of Sulfur-Doped Graphitic Carbon Nanosheets for Fast Sodium-Ion Batteries. <i>Small</i> , 2017, 13, 1700762.	5.2	144
596	Ultra-high-rate pseudocapacitive energy storage in two-dimensional transition metal carbides. <i>Nature Energy</i> , 2017, 2, .	19.8	1,626
597	Reduced graphene oxide decorated with Bi ₂ O _{2.33} nanodots for superior lithium storage. <i>Nano Research</i> , 2017, 10, 3690-3697.	5.8	16
598	Advances in electrode materials for Li-based rechargeable batteries. <i>RSC Advances</i> , 2017, 7, 33789-33811.	1.7	30
599	Capacity Enhancement of Porous Carbon Electrodes during Long-Term Cycling in Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A2000-A2006.	1.3	42
600	Efficient Lithium-Ion Storage by Hierarchical Core-Shell TiO ₂ Nanowires Decorated with MoO ₂ Quantum Dots Encapsulated in Carbon Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23741-23747.	4.0	30

#	ARTICLE	IF	CITATIONS
601	Towards fast and ultralong-life Li-ion battery anodes: embedding ultradispersed TiO ₂ quantum dots into three-dimensional porous graphene-like networks. <i>Electrochimica Acta</i> , 2017, 246, 1183-1192.	2.6	18
602	All-solid-state disordered LiTiS ₂ pseudocapacitor. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15661-15668.	5.2	13
603	Flexible MXene/Graphene Films for Ultrafast Supercapacitors with Outstanding Volumetric Capacitance. <i>Advanced Functional Materials</i> , 2017, 27, 1701264.	7.8	1,354
604	NaFeF ₂ nanocomposite: New type of Na-ion battery cathode material. <i>Nano Research</i> , 2017, 10, 4388-4397.	5.8	17
605	High-rate capability of three-dimensionally ordered macroporous T-Nb ₂ O ₅ through Li ⁺ intercalation pseudocapacitance. <i>Journal of Power Sources</i> , 2017, 361, 80-86.	4.0	139
606	Liquid exfoliation of interlayer spacing-tunable 2D vanadium oxide nanosheets: High capacity and rate handling Li-ion battery cathodes. <i>Nano Energy</i> , 2017, 39, 151-161.	8.2	123
607	Activation of Sodium Storage Sites in Prussian Blue Analogues via Surface Etching. <i>Nano Letters</i> , 2017, 17, 4713-4718.	4.5	225
608	Mesoporous niobium-doped titanium dioxide films from the assembly of crystalline nanoparticles: study on the relationship between the band structure, conductivity and charge storage mechanism. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1978-1988.	5.2	43
609	Free-standing electrodes composed of carbon-coated Li ₄ Ti ₅ O ₁₂ nanosheets and reduced graphene oxide for advanced sodium ion batteries. <i>Journal of Power Sources</i> , 2017, 337, 180-188.	4.0	61
610	A universal strategy for metal oxide anchored and binder-free carbon matrix electrode: A supercapacitor case with superior rate performance and high mass loading. <i>Nano Energy</i> , 2017, 31, 311-321.	8.2	169
611	Pseudocapacitive materials for electrochemical capacitors: from rational synthesis to capacitance optimization. <i>National Science Review</i> , 2017, 4, 71-90.	4.6	215
612	Pseudocapacitive Charge Storage in Thick Composite MoS ₂ Nanocrystal-Based Electrodes. <i>Advanced Energy Materials</i> , 2017, 7, 1601283.	10.2	230
613	Charge storage, electrocatalytic and sensing activities of nest-like nanostructured Co ₃ O ₄ . <i>Journal of Colloid and Interface Science</i> , 2017, 487, 20-30.	5.0	38
614	A High-Performance Lithium-Ion Capacitor Based on 2D Nanosheet Materials. <i>Small</i> , 2017, 13, 1602893.	5.2	70
615	Biredox ionic liquids with solid-like redox density in the liquid state for high-energy supercapacitors. <i>Nature Materials</i> , 2017, 16, 446-453.	13.3	303
616	One-step synthesis of surface-enriched nickel cobalt sulfide nanoparticles on graphene for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2017, 6, 180-187.	9.5	89
617	Formation of Onion-Like NiCo ₂ S ₄ Particles via Sequential Ion-Exchange for Hybrid Supercapacitors. <i>Advanced Materials</i> , 2017, 29, 1605051.	11.1	539
618	Commercial Carbon Molecular Sieves as a Na ⁺ -Storage Anode Material in Dual-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A3649-A3656.	1.3	20

#	ARTICLE	IF	CITATIONS
619	Enhanced Hybrid Supercapacitors Utilizing Nanostructured Metal Oxides. , 2017, , 247-264.		5
620	Hydrothermal-Assisted Sintering Strategy Towards Porous- and Hollow-Structured LiNb ₃ O ₈ Anode Material. Nanoscale Research Letters, 2017, 12, 463.	3.1	11
621	Lanthanide doping induced electrochemical enhancement of Na ₂ Ti ₃ O ₇ anodes for sodium-ion batteries. Chemical Science, 2018, 9, 3421-3425.	3.7	66
622	TiO ₂ nanotubes with different spacing, Fe ₂ O ₃ decoration and their evaluation for Li-ion battery application. Nanotechnology, 2018, 29, 195402.	1.3	25
623	MXene as a Charge Storage Host. Accounts of Chemical Research, 2018, 51, 591-599.	7.6	309
624	Effect of glycine functionalization of 2D titanium carbide (MXene) on charge storage. Journal of Materials Chemistry A, 2018, 6, 4617-4622.	5.2	103
625	Free-anchored Nb ₂ O ₅ @graphene networks for ultrafast-stable lithium storage. Nanotechnology, 2018, 29, 185401.	1.3	17
626	Facile synthesis of nickel-doped Co ₉ S ₈ hollow nanoparticles with large surface-controlled pseudocapacitive and fast sodium storage. Nanotechnology, 2018, 29, 195201.	1.3	19
627	New Iron-Based Intercalation Host for Lithium-Ion Batteries. Chemistry of Materials, 2018, 30, 1956-1964.	3.2	20
628	One-step <i>in situ</i> growth of ZnS nanoparticles on reduced graphene oxides and their improved lithium storage performance using sodium carboxymethyl cellulose binder. RSC Advances, 2018, 8, 9125-9133.	1.7	13
629	Binding Sulfur-Doped Nb ₂ O ₅ Hollow Nanospheres on Sulfur-Doped Graphene Networks for Highly Reversible Sodium Storage. Advanced Functional Materials, 2018, 28, 1800394.	7.8	106
630	Diffusion-Controlled Faradaic Charge Storage in High-Performance Solid Electrolyte-Gated Zinc Oxide Thin-Film Transistors. ACS Applied Materials & Interfaces, 2018, 10, 9782-9791.	4.0	51
631	A high energy and power sodium-ion hybrid capacitor based on nitrogen-doped hollow carbon nanowires anode. Journal of Power Sources, 2018, 382, 116-121.	4.0	36
632	Defect Sites-Rich Porous Carbon with Pseudocapacitive Behaviors as an Ultrafast and Long-Term Cycling Anode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 9353-9361.	4.0	91
633	Facile synthesis of pyrite (FeS ₂ /C) nanoparticles as an electrode material for non-aqueous hybrid electrochemical capacitors. Nanoscale, 2018, 10, 5938-5949.	2.8	48
634	Method Comparison for Deconvoluting Capacitive and Pseudo-Capacitive Contributions to Electrochemical Capacitor Electrode Behavior. Journal of the Electrochemical Society, 2018, 165, A664-A673.	1.3	192
635	Advanced analytical techniques to characterize materials for electrochemical capacitors. Current Opinion in Electrochemistry, 2018, 9, 18-25.	2.5	28
636	Fast Li ⁺ diffusion in interlayer-expanded vanadium disulfide nanosheets for Li ⁺ /Mg ²⁺ hybrid-ion batteries. Journal of Materials Chemistry A, 2018, 6, 5782-5788.	5.2	40

#	ARTICLE	IF	CITATIONS
637	Oxygen vacancy derived local build-in electric field in mesoporous hollow Co_3O_4 microspheres promotes high-performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6967-6976.	5.2	242
638	Engineering Anisotropically Curved Nitrogen-Doped Carbon Nanosheets with Recyclable Binary Flux for Sodium-Ion Storage. <i>ChemSusChem</i> , 2018, 11, 1334-1343.	3.6	10
639	Sulfur film sandwiched between few-layered MoS_2 electrocatalysts and conductive reduced graphene oxide as a robust cathode for advanced lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5899-5909.	5.2	95
640	High-capacity aqueous zinc batteries using sustainable quinone electrodes. <i>Science Advances</i> , 2018, 4, eaao1761.	4.7	716
641	Azo Compounds Derived from Electrochemical Reduction of Nitro Compounds for High Performance Li-Ion Batteries. <i>Advanced Materials</i> , 2018, 30, e1706498.	11.1	134
642	Spontaneous hybrids of graphene and carbon nanotube arrays at the liquid-gas interface for Li-ion battery anodes. <i>Chemical Communications</i> , 2018, 54, 5229-5232.	2.2	16
643	Poly(vinyl alcohol)-Assisted Fabrication of Hollow Carbon Spheres/Reduced Graphene Oxide Nanocomposites for High-Performance Lithium-Ion Battery Anodes. <i>ACS Nano</i> , 2018, 12, 4824-4834.	7.3	141
644	Design of Carbon/Metal Oxide Hybrids for Electrochemical Energy Storage. <i>Chemistry - A European Journal</i> , 2018, 24, 12143-12153.	1.7	37
645	Mesoporous $\text{TiO}_2/\text{TiC}@C$ Composite Membranes with Stable TiO_2 -C Interface for Robust Lithium Storage. <i>IScience</i> , 2018, 3, 149-160.	1.9	45
646	Efficient Sodium Storage in Rolled-Up Amorphous Si Nanomembranes. <i>Advanced Materials</i> , 2018, 30, e1706637.	11.1	87
647	Self-Activating, Capacitive Anion Intercalation Enables High-Power Graphite Cathodes. <i>Advanced Materials</i> , 2018, 30, e1800533.	11.1	121
648	An interpenetrating 3D porous reticular $\text{Nb}_2\text{O}_5@$ carbon thin film for superior sodium storage. <i>Nano Energy</i> , 2018, 48, 448-455.	8.2	97
649	High-Capacity Mg-Organic Batteries Based on Nanostructured Rhodizonate Salts Activated by Mg-Li Dual-Salt Electrolyte. <i>ACS Nano</i> , 2018, 12, 3424-3435.	7.3	115
650	Highly bonded T- $\text{Nb}_2\text{O}_5/\text{rGO}$ nanohybrids for 4 V quasi-solid state asymmetric supercapacitors with improved electrochemical performance. <i>Nano Research</i> , 2018, 11, 4673-4685.	5.8	50
651	Application of materials based on group VB elements in sodium-ion batteries: A review. <i>Journal of Materials Science and Technology</i> , 2018, 34, 1969-1976.	5.6	20
652	Iron-antimony-based hybrid oxides as high-performance anodes for lithium-ion storage. <i>Journal of Power Sources</i> , 2018, 389, 28-36.	4.0	19
653	One-pot hydrothermal synthesis of tungsten diselenide/reduced graphene oxide composite as advanced electrode materials for supercapacitors. <i>Materials Letters</i> , 2018, 223, 57-60.	1.3	35
654	Coral-like Cu-Co-mixed oxide for stable electro-properties of glucose determination. <i>Electrochimica Acta</i> , 2018, 273, 502-510.	2.6	32

#	ARTICLE	IF	CITATIONS
655	High energy density hybrid lithium-ion capacitor enabled by Co ₃ ZnC@N-doped carbon nanopolyhedra anode and microporous carbon cathode. <i>Energy Storage Materials</i> , 2018, 14, 246-252.	9.5	120
656	Anions induced evolution of Co ₃ X ₄ (X = O, S, Se) as sodium-ion anodes: The influences of electronic structure, morphology, electrochemical property. <i>Nano Energy</i> , 2018, 48, 617-629.	8.2	227
657	N-Doped Dual Carbon-Confined 3D Architecture rGO/Fe ₃ O ₄ /AC Nanocomposite for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13470-13478.	4.0	71
658	Formation of Hierarchical Cu-Doped CoSe ₂ Microboxes via Sequential Ion Exchange for High-Performance Sodium-Ion Batteries. <i>Advanced Materials</i> , 2018, 30, e1706668.	11.1	402
659	Interface-rich core-shell ammonium nickel cobalt phosphate for high-performance aqueous hybrid energy storage device without a depressed power density. <i>Electrochimica Acta</i> , 2018, 272, 184-191.	2.6	88
660	Extraordinary pseudocapacitive energy storage triggered by phase transformation in hierarchical vanadium oxides. <i>Nature Communications</i> , 2018, 9, 1375.	5.8	98
661	Designed synthesis of NiCo-LDH and derived sulfide on heteroatom-doped edge-enriched 3D rivet graphene films for high-performance asymmetric supercapacitor and efficient OER. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8109-8119.	5.2	121
662	Synthesis and application of iron-based nanomaterials as anodes of lithium-ion batteries and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9332-9367.	5.2	159
663	Pseudocapacitance of TiO ₂ /CNT Anodes for High-Performance Quasi-Solid-State Li-Ion and Na-Ion Capacitors. <i>Small</i> , 2018, 14, e1704508.	5.2	85
664	Polystyrene activated linear tube carbon nanofiber for durable and high-performance supercapacitors. <i>Surface and Coatings Technology</i> , 2018, 345, 113-122.	2.2	42
665	Pseudocapacitive layered iron vanadate nanosheets cathode for ultrahigh-rate lithium ion storage. <i>Nano Energy</i> , 2018, 47, 294-300.	8.2	87
666	One-pot synthesis of nickel-cobalt hydroxyfluorides nanowires with ultrahigh energy density for an asymmetric supercapacitor. <i>Science Bulletin</i> , 2018, 63, 322-330.	4.3	16
667	Ti ³⁺ Induced Brown TiO ₂ Nanotubes for High Performance Sodium-Ion Hybrid Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5401-5412.	3.2	77
668	Novel inorganic tin phosphate gel: multifunctional material. <i>Chemical Communications</i> , 2018, 54, 2682-2685.	2.2	12
669	Materials for supercapacitors: When Li-ion battery power is not enough. <i>Materials Today</i> , 2018, 21, 419-436.	8.3	335
670	High-rate and ultra-stable Na-ion storage for Ni ₃ S ₂ nanoarrays via self-adaptive pseudocapacitance. <i>Electrochimica Acta</i> , 2018, 265, 709-716.	2.6	70
671	Emergent Pseudocapacitance of 2D Nanomaterials. <i>Advanced Energy Materials</i> , 2018, 8, 1702930.	10.2	226
672	Decoupling electron and ion storage and the path from interfacial storage to artificial electrodes. <i>Nature Energy</i> , 2018, 3, 102-108.	19.8	75

#	ARTICLE	IF	CITATIONS
673	Understanding the Cyclic (In)stability and the Effects of Presence of a Stable Conducting Network on the Electrochemical Performances of Na ₂ Ti ₃ O ₇ . ChemElectroChem, 2018, 5, 1219-1229.	1.7	26
674	A novel flexible electrode with coaxial sandwich structure based polyaniline-coated MoS ₂ nanoflakes on activated carbon cloth. Electrochimica Acta, 2018, 264, 91-100.	2.6	36
675	Three-Dimensional Network Architecture with Hybrid Nanocarbon Composites Supporting Few-Layer MoS ₂ for Lithium and Sodium Storage. ACS Nano, 2018, 12, 1592-1602.	7.3	275
676	Enhancing pseudocapacitive kinetics of nanostructured MnO ₂ through anchoring onto biomass-derived porous carbon. Applied Surface Science, 2018, 440, 1027-1036.	3.1	47
677	Reversible Redox Chemistry of Azo Compounds for Sodium-Ion Batteries. Angewandte Chemie - International Edition, 2018, 57, 2879-2883.	7.2	159
678	Reversible Redox Chemistry of Azo Compounds for Sodium-Ion Batteries. Angewandte Chemie, 2018, 130, 2929-2933.	1.6	33
679	Micro- and Nanocrystalline Inverse Spinel LiCoVO ₄ for Intercalation Pseudocapacitive Li ⁺ Storage with Ultrahigh Energy Density and Long-Term Cycling. ACS Applied Energy Materials, 2018, 1, 393-401.	2.5	4
680	Oxygen-deficient anatase TiO ₂ @C nanospindles with pseudocapacitive contribution for enhancing lithium storage. Journal of Materials Chemistry A, 2018, 6, 4013-4022.	5.2	206
681	Achieving rapid Li-ion insertion kinetics in TiO ₂ mesoporous nanotube arrays for bifunctional high-rate energy storage smart windows. Nanoscale, 2018, 10, 3254-3261.	2.8	38
682	A high-performance asymmetric supercapacitor based on vanadyl phosphate/carbon nanocomposites and polypyrrole-derived carbon nanowires. Nanoscale, 2018, 10, 3709-3719.	2.8	36
683	Assembly of Na ₃ V ₂ (PO ₄) ₂ F ₃ @C nanoparticles in reduced graphene oxide enabling superior Na ⁺ storage for symmetric sodium batteries. RSC Advances, 2018, 8, 2958-2962.	1.7	44
684	Achieving Insertion-Like Capacity at Ultrahigh Rate via Tunable Surface Pseudocapitance. Advanced Materials, 2018, 30, e1706640.	11.1	202
685	Azo compounds as a family of organic electrode materials for alkali-ion batteries. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2004-2009.	3.3	168
686	Tunable Synthesis of Colorful Nitrogen-Doped Titanium Oxide and Its Application in Energy Storage. ACS Applied Energy Materials, 2018, 1, 876-882.	2.5	18
687	Structural Engineering of 2D Nanomaterials for Energy Storage and Catalysis. Advanced Materials, 2018, 30, e1706347.	11.1	297
688	Revisiting the open-framework zinc hexacyanoferrate: The role of ternary electrolyte and sodium-ion intercalation mechanism. Journal of Power Sources, 2018, 380, 135-141.	4.0	33
689	Rate-Limiting Step in Batteries with Metal Oxides as the Energy Materials. ACS Applied Materials & Interfaces, 2018, 10, 7162-7170.	4.0	12
690	Functionalizing New Intercalation Chemistry for Sub-Nanometer-Scaled Interlayer Engineering of 2D Transition Metal Oxides and Chalcogenides. Advanced Materials Interfaces, 2018, 5, 1701385.	1.9	17

#	ARTICLE	IF	CITATIONS
691	Oxygen-deficient Ta ₂ O ₅ nanoporous films as self-supported electrodes for lithium microbatteries. <i>Nano Energy</i> , 2018, 45, 407-412.	8.2	63
692	Few-layer graphitic shells networked by low temperature pyrolysis of zeolitic imidazolate frameworks. <i>Materials Chemistry Frontiers</i> , 2018, 2, 520-529.	3.2	9
693	Dual-Functional Graphene Carbon as Polysulfide Trapper for High-Performance Lithium Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5594-5602.	4.0	83
694	Unusual Formation of CoO@C @Dandelions@Derived from 2D Kagome MOFs for Efficient Lithium Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1703242.	10.2	122
695	Carbon nanofibers (CNFs) supported cobalt- nickel sulfide (CoNi ₂ S ₄) nanoparticles hybrid anode for high performance lithium ion capacitor. <i>Scientific Reports</i> , 2018, 8, 1602.	1.6	46
696	MOF-derived NiS nanorods on graphene as an electrode for high-energy-density supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4003-4012.	5.2	231
697	Revealing Pseudocapacitive Mechanisms of Metal Dichalcogenide SnS ₂ /Graphene@CNT Aerogels for High-Energy Na Hybrid Capacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1702488.	10.2	135
698	Simple microwave synthesis and improved electrochemical performance of Nb-doped MnO ₂ /reduced graphene oxide composite as anode material for lithium-ion batteries. <i>Ionics</i> , 2018, 24, 2583-2590.	1.2	8
699	Robust and conductive two-dimensional metal-organic frameworks with exceptionally high volumetric and areal capacitance. <i>Nature Energy</i> , 2018, 3, 30-36.	19.8	786
700	Highly Defective Layered Double Perovskite Oxide for Efficient Energy Storage via Reversible Pseudocapacitive Oxygen@Anion Intercalation. <i>Advanced Energy Materials</i> , 2018, 8, 1702604.	10.2	99
701	Surface oxo-functionalized hard carbon spheres enabled superior high-rate capability and long-cycle stability for Li-ion storage. <i>Electrochimica Acta</i> , 2018, 260, 430-438.	2.6	21
702	Solvent-Controlled Charge Storage Mechanisms of Spinel Oxide Electrodes in Mg Organohaloaluminate Electrolytes. <i>Nano Letters</i> , 2018, 18, 763-772.	4.5	17
703	An ionic liquid based sodium metal-hybrid supercapacitor-battery. <i>Sustainable Energy and Fuels</i> , 2018, 2, 763-771.	2.5	20
704	Electrodeposition of hydrated vanadium pentoxide on nanoporous carbon cloth for hybrid energy storage. <i>Sustainable Energy and Fuels</i> , 2018, 2, 577-588.	2.5	30
705	High-performance flexible supercapacitors based on electrochemically tailored three-dimensional reduced graphene oxide networks. <i>Scientific Reports</i> , 2018, 8, 640.	1.6	284
706	Hierarchical Porous Nanosheets Constructed by Graphene@Coated, Interconnected TiO ₂ Nanoparticles for Ultrafast Sodium Storage. <i>Advanced Materials</i> , 2018, 30, 1705788.	11.1	247
707	<i>In situ</i> formation/carbonization of quinone-amine polymers towards hierarchical porous carbon foam with high faradaic activity for energy storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2353-2359.	5.2	66
708	Toward an Aqueous Solar Battery: Direct Electrochemical Storage of Solar Energy in Carbon Nitrides. <i>Advanced Materials</i> , 2018, 30, 1705477.	11.1	110

#	ARTICLE	IF	CITATIONS
709	Electrocatalytic hydrogen evolution of palladium nanoparticles electrodeposited on nanographene coated macroporous electrically conductive network. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 2171-2183.	3.8	12
710	GaNb ₁₁ O ₂₉ Nanoweb as High-Performance Anode Materials for Lithium-Ion Batteries. <i>ACS Applied Nano Materials</i> , 2018, 1, 183-190.	2.4	50
711	High-capacity and long-life lithium storage boosted by pseudocapacitance in three-dimensional MnO ₂ /Cu ₂ CNT/graphene anodes. <i>Nanoscale</i> , 2018, 10, 2944-2954.	2.8	28
712	Pseudocapacitive material with 928 ⁻ mAh ⁻ cm ³ particle-level volumetric specific capacity enabled by continuous phase-transition. <i>Chemical Engineering Journal</i> , 2018, 338, 211-217.	6.6	22
713	Bilayered nanoporous graphene/molybdenum oxide for high rate lithium ion batteries. <i>Nano Energy</i> , 2018, 45, 273-279.	8.2	54
714	Highly doped graphene with multi-dopants for high-capacity and ultrastable sodium-ion batteries. <i>Energy Storage Materials</i> , 2018, 13, 134-141.	9.5	98
715	Dual-functional electrochromic and energy-storage electrodes based on tungsten trioxide nanostructures. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2579-2586.	1.2	23
716	Heteroatom doping and activation of carbon nanofibers enabling ultrafast and stable sodium storage. <i>Electrochimica Acta</i> , 2018, 276, 304-310.	2.6	33
717	Accordion-like nanoporous carbon derived from Al-MOF as advanced anode material for sodium ion batteries. <i>Microporous and Mesoporous Materials</i> , 2018, 270, 67-74.	2.2	22
718	Fast and stable lithium-ion storage kinetics of anatase titanium dioxide/carbon onion hybrid electrodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9480-9488.	5.2	43
719	Highly nitrogen doped carbon nanofibers with superior rate capability and cyclability for potassium ion batteries. <i>Nature Communications</i> , 2018, 9, 1720.	5.8	871
720	Ti ₂ Nb ₂ O _{4+5x} anode materials for lithium-ion batteries: a comprehensive review. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9799-9815.	5.2	101
721	Intercalation pseudocapacitance of amorphous titanium dioxide@nanoporous graphene for high-rate and large-capacity energy storage. <i>Nano Energy</i> , 2018, 49, 354-362.	8.2	74
722	High performance MnO@C microcages with a hierarchical structure and tunable carbon shell for efficient and durable lithium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9723-9736.	5.2	212
723	Hierarchical Co ₃ O ₄ @C hollow microspheres with high capacity as an anode material for lithium-ion batteries. <i>Ionics</i> , 2018, 24, 3757-3769.	1.2	13
724	<i>In situ</i> lithiated quinone cathode for ALD/MLD-fabricated high-power thin-film battery. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7027-7033.	5.2	37
725	Tunable pseudocapacitance storage of MXene by cation pillaring for high performance sodium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7794-7806.	5.2	186
726	Surface Functional Groups and Interlayer Water Determine the Electrochemical Capacitance of Ti ₃ C ₂ T _x MXene. <i>ACS Nano</i> , 2018, 12, 3578-3586.	7.3	353

#	ARTICLE	IF	CITATIONS
727	Investigation of iron hexacyanoferrate as a high rate cathode for aqueous batteries: Sodium-ion batteries and lithium-ion batteries. <i>Electrochimica Acta</i> , 2018, 270, 96-103.	2.6	29
728	Opening Magnesium Storage Capability of Two-Dimensional MXene by Intercalation of Cationic Surfactant. <i>ACS Nano</i> , 2018, 12, 3733-3740.	7.3	208
729	Carbon-assisted conversion reaction-based oxide nanomaterials for lithium-ion batteries. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1124-1140.	2.5	30
730	Synergic antimony–niobium pentoxide nanomeshes for high-rate sodium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6225-6232.	5.2	22
731	Tuning Pseudocapacitance via C–S Bonding in WS ₂ Nanorods Anchored on N,S Codoped Graphene for High-Power Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13606-13613.	4.0	62
732	ZnFe ₂ O ₄ nanoparticles-cotton derived hierarchical porous active carbon fibers for high rate-capability supercapacitor electrodes. <i>Carbon</i> , 2018, 134, 15-21.	5.4	76
733	Superelastic 3D few-layer MoS ₂ /carbon framework heterogeneous electrodes for highly reversible sodium-ion batteries. <i>Nano Energy</i> , 2018, 48, 526-535.	8.2	99
734	Methanesulfonic acid-assisted synthesis of N/S co-doped hierarchically porous carbon for high performance supercapacitors. <i>Journal of Power Sources</i> , 2018, 387, 81-90.	4.0	158
735	Sub-5 nm Ultrasmall Metal–Organic Framework Nanocrystals for Highly Efficient Electrochemical Energy Storage. <i>ACS Nano</i> , 2018, 12, 3947-3953.	7.3	110
736	Enhanced pseudocapacitance contribution to outstanding Li-storage performance for a reduced graphene oxide-wrapped FeS composite anode. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7155-7161.	5.2	43
737	Insert Zn Nanoparticles into the 3D Porous Carbon Ultrathin Films as a Superior Anode Material for Lithium Ion Battery. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700355.	1.2	11
738	Epitaxial growth of NiCo ₂ S ₄ /Co ₉ S ₈ @Graphene heterogenous nanocomposites with high-rate lithium storage performance. <i>Journal of Alloys and Compounds</i> , 2018, 747, 926-933.	2.8	14
739	Uniform core–shell nanobiscuits of Fe ₇ S ₈ @C for lithium-ion and sodium-ion batteries with excellent performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7967-7976.	5.2	104
740	Symmetric Sodium-Ion Capacitor Based on Na _{0.44} MnO ₂ Nanorods for Low-Cost and High-Performance Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11689-11698.	4.0	62
741	Pseudocapacitance contribution in boron-doped graphite sheets for anion storage enables high-performance sodium-ion capacitors. <i>Materials Horizons</i> , 2018, 5, 529-535.	6.4	119
742	Metal-organic framework-derived hollow CoS nanobox for high performance electrochemical energy storage. <i>Chemical Engineering Journal</i> , 2018, 341, 618-627.	6.6	94
743	A Flexible and Ultrahigh Energy Density Capacitor via Enhancing Surface/Interface of Carbon Cloth Supported Colloids. <i>Advanced Energy Materials</i> , 2018, 8, 1703329.	10.2	61
744	CNT@rGO@MoCuSe Composite as an Efficient Counter Electrode for Quantum Dot-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10036-10042.	4.0	55

#	ARTICLE	IF	CITATIONS
745	High Interfacial Charge Storage Capability of Carbonaceous Cathodes for Mg Batteries. ACS Nano, 2018, 12, 2998-3009.	7.3	26
746	Biredox ionic liquids: new opportunities toward high performance supercapacitors. Faraday Discussions, 2018, 206, 393-404.	1.6	33
747	H-Nb ₂ O ₅ wired by tetragonal tungsten bronze related domains as high-rate anode for Li-ion batteries. Energy Storage Materials, 2018, 11, 152-160.	9.5	75
748	Durian-like NiS ₂ @rGO nanocomposites and their enhanced rate performance. Chemical Engineering Journal, 2018, 335, 275-281.	6.6	43
749	Binder-free Hybrid Titanium-Niobium Oxide/Carbon Nanofiber Mats for Lithium-ion Battery Electrodes. ChemSusChem, 2018, 11, 159-170.	3.6	30
750	Simple and direct synthesis of ZnO decorated multi-walled carbon nanotube for supercapacitor electrodes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 23-27.	2.3	25
751	High-performance Li-ion hybrid supercapacitors based on microporous pyropolymer nanoplates and orthorhombic Nb ₂ O ₅ nanocomposites. Journal of Industrial and Engineering Chemistry, 2018, 57, 284-289.	2.9	10
752	Pseudocapacitive Li ⁺ intercalation in porous Ti ₂ Nb ₁₀ O ₂₉ nanospheres enables ultra-fast lithium storage. Energy Storage Materials, 2018, 11, 57-66.	9.5	163
753	Phase Boundary Derived Pseudocapacitance Enhanced Nickel-based Composites for Electrochemical Energy Storage Devices. Advanced Energy Materials, 2018, 8, 1701681.	10.2	124
754	Facile synthesis of T-Nb ₂ O ₅ nanosheets/nitrogen and sulfur co-doped graphene for high performance lithium-ion hybrid supercapacitors. Science China Materials, 2018, 61, 273-284.	3.5	16
755	High-performance cobalt carbonate hydroxide nano-dot/NiCo ₂ (CO ₃)(OH) ₂ electrode for asymmetric supercapacitors. Applied Surface Science, 2018, 433, 16-26.	3.1	92
756	Fast sodium storage kinetics of lantern-like Ti _{0.25} Sn _{0.75} S ₂ connected via carbon nanotubes. Energy Storage Materials, 2018, 11, 100-111.	9.5	33
757	Perovskite LaNiO ₃ -x oxide as an anion-intercalated pseudocapacitor electrode. Journal of Alloys and Compounds, 2018, 731, 381-388.	2.8	90
758	Colloidal Supercapattery: Redox Ions in Electrode and Electrolyte. Chemical Record, 2018, 18, 282-292.	2.9	36
759	Ultrathin MoS ₂ nanosheets tightly anchoring onto nitrogen-doped graphene for enhanced lithium storage properties. Chemical Engineering Journal, 2018, 332, 431-439.	6.6	89
760	Nanoporous CuO mesocrystals: Low-temperature synthesis and improved structure-performance relationship for energy storage system. Chemical Engineering Journal, 2018, 331, 326-334.	6.6	21
761	Surface-functionalized graphene-based quasi-solid-state Na-ion hybrid capacitors with excellent performance. Energy Storage Materials, 2018, 11, 8-15.	9.5	60
762	Coupling interconnected MoO ₃ /WO ₃ nanosheets with a graphene framework as a highly efficient anode for lithium-ion batteries. Nanoscale, 2018, 10, 396-402.	2.8	28

#	ARTICLE	IF	CITATIONS
763	Ultrathin Graphdiyne Nanosheets Grown In situ on Copper Nanowires and Their Performance as Lithium-Ion Battery Anodes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 774-778.	7.2	257
764	Vertically Aligned MoS ₂ Nanosheets Patterned on Electrochemically Exfoliated Graphene for High-Performance Lithium and Sodium Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1702254.	10.2	274
765	In situ carbon encapsulation of vertical MoS ₂ arrays with SnO ₂ for durable high rate lithium storage: dominant pseudocapacitive behavior. <i>Nanoscale</i> , 2018, 10, 741-751.	2.8	41
766	Self-Supported 3D Array Electrodes for Sodium Microbatteries. <i>Advanced Functional Materials</i> , 2018, 28, 1704880.	7.8	108
767	In-plane Assembled Orthorhombic Nb ₂ O ₅ Nanorod Films with High-Rate Li ⁺ Intercalation for High-Performance Flexible Li-Ion Capacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1704330.	7.8	207
768	Flexible WS ₂ @CNFs Membrane Electrode with Outstanding Lithium Storage Performance Derived from Capacitive Behavior. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701080.	1.9	25
769	In situ formation of NbO _x @NbN microcomposites: seeking potential in photocatalytic and Li-ion battery applications. <i>New Journal of Chemistry</i> , 2018, 42, 1300-1308.	1.4	8
770	FUNDAMENTALS OF RECHARGEABLE BATTERIES AND ELECTROCHEMICAL POTENTIALS OF ELECTRODE MATERIALS. , 2018, , 397-451.		3
771	BEYOND LI ION: ELECTRODE MATERIALS FOR SODIUM AND MAGNESIUM-ION BATTERIES. , 2018, , 639-755.		0
772	Hierarchical TiO ₂ imbedded with graphene quantum dots for high-performance lithium storage. <i>Chemical Communications</i> , 2018, 54, 1413-1416.	2.2	60
773	Nanostructured Na ₂ Ti ₉ O ₁₉ for Hybrid Sodium-Ion Capacitors with Excellent Rate Capability. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 437-447.	4.0	63
774	Expanded biomass-derived hard carbon with ultra-stable performance in sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1513-1522.	5.2	198
775	Rapid redox kinetics in uniform sandwich-structured mesoporous Nb ₂ O ₅ /graphene/mesoporous Nb ₂ O ₅ nanosheets for high-performance sodium-ion supercapacitors. <i>Energy Storage Materials</i> , 2018, 13, 223-232.	9.5	117
776	Ultrathin Graphdiyne Nanosheets Grown In situ on Copper Nanowires and Their Performance as Lithium-Ion Battery Anodes. <i>Angewandte Chemie</i> , 2018, 130, 782-786.	1.6	41
777	N-doped one-dimensional carbonaceous backbones supported MoSe ₂ nanosheets as superior electrodes for energy storage and conversion. <i>Chemical Engineering Journal</i> , 2018, 334, 2190-2200.	6.6	88
778	Roll-to-Roll Laser-Printed Graphene-Graphitic Carbon Electrodes for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1033-1038.	4.0	29
779	Recent Smart Methods for Achieving High-Energy Asymmetric Supercapacitors. <i>Small Methods</i> , 2018, 2, 1700230.	4.6	147
780	VS ₄ Nanoparticles Anchored on Graphene Sheets as a High-Rate and Stable Electrode Material for Sodium Ion Batteries. <i>ChemSusChem</i> , 2018, 11, 735-742.	3.6	93

#	ARTICLE	IF	CITATIONS
781	Vanadium dioxide-anchored porous carbon nanofibers as a Na ⁺ intercalation pseudocapacitance material for development of flexible and super light electrochemical energy storage systems. <i>Applied Materials Today</i> , 2018, 10, 72-85.	2.3	88
782	CuGaS ₂ nanoplates: a robust and self-healing anode for Li/Na ion batteries in a wide temperature range of 268–318 K. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1086-1093.	5.2	44
783	Enhanced capability and cyclability of flexible TiO ₂ -reduced graphene oxide hybrid paper electrode by incorporating monodisperse anatase TiO ₂ quantum dots. <i>Electrochimica Acta</i> , 2018, 259, 474-484.	2.6	12
784	Oriented Multiwalled Organic Co(OH) ₂ Nanotubes for Energy Storage. <i>Advanced Functional Materials</i> , 2018, 28, 1702320.	7.8	26
785	Two-dimensional organic cathode materials for alkali-metal-ion batteries. <i>Journal of Energy Chemistry</i> , 2018, 27, 86-98.	7.1	56
786	Biphase Cobalt-Manganese Oxide with High Capacity and Rate Performance for Aqueous Sodium-ion Electrochemical Energy Storage. <i>Advanced Functional Materials</i> , 2018, 28, 1703266.	7.8	25
787	Advanced Energy Storage Devices: Basic Principles, Analytical Methods, and Rational Materials Design. <i>Advanced Science</i> , 2018, 5, 1700322.	5.6	1,043
788	Embedding ZnSe nanodots in nitrogen-doped hollow carbon architectures for superior lithium storage. <i>Nano Research</i> , 2018, 11, 966-978.	5.8	114
789	MoS ₂ nanosheets with expanded interlayer spacing for enhanced sodium storage. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 3099-3105.	3.0	41
790	All-porous heterostructure of reduced graphene oxide-polypyrrole-nanoporous gold for a planar flexible supercapacitor showing outstanding volumetric capacitance and energy density. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22858-22869.	5.2	51
791	A new strategy for the construction of 3D TiO ₂ nanowires/reduced graphene oxide for high-performance lithium/sodium batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24256-24266.	5.2	43
792	Tunable pseudocapacitive contribution in nanosheet-constructed titania hierarchical tubes to achieve superior lithium-storage properties by phase control. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24298-24310.	5.2	23
793	A rechargeable aqueous Zn ²⁺ -battery with high power density and a long cycle-life. <i>Energy and Environmental Science</i> , 2018, 11, 3168-3175.	15.6	258
794	Engineering of a TiO ₂ anode toward a record high Initial coulombic efficiency enabling high-performance low-temperature Na-ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22840-22850.	5.2	26
795	A Procedure for Evaluating the Capacity Associated with Battery-Type Electrode and Supercapacitor-Type One in Composite Electrodes. <i>Journal of the Electrochemical Society</i> , 2018, 165, A4034-A4040.	1.3	34
796	Intercalation pseudocapacitance of expanded graphite in sodium-ion capacitors. <i>Micro and Nano Letters</i> , 2018, 13, 669-672.	0.6	2
797	Insight into the intercalation mechanism of WSe ₂ onions toward metal ion capacitors: sodium rivals lithium. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21605-21617.	5.2	35
798	Probing enhanced lithium-ion transport kinetics in 2D holey nanoarchitected electrodes. <i>Nano Futures</i> , 2018, 2, 035008.	1.0	15

#	ARTICLE	IF	CITATIONS
799	Enhancing Pseudocapacitive Process for Energy Storage Devices: Analyzing the Charge Transport Using Electro-kinetic Study and Numerical Modeling. , 0, , .		7
800	Layered-Structure SbPO ₄ /Reduced Graphene Oxide: An Advanced Anode Material for Sodium Ion Batteries. ACS Nano, 2018, 12, 12869-12878.	7.3	87
801	Heteroepitaxial Growth of T-Nb ₂ O ₅ on SrTiO ₃ . Nanomaterials, 2018, 8, 895.	1.9	8
802	A Nitrogen-Rich 2D sp ² -Carbon-Linked Conjugated Polymer Framework as a High-Performance Cathode for Lithium-Ion Batteries. Angewandte Chemie, 2019, 131, 859-863.	1.6	71
803	Evidence for Fast Lithium-Ion Diffusion and Charge-Transfer Reactions in Amorphous TiO _x Nanotubes: Insights for High-Rate Electrochemical Energy Storage. ACS Applied Materials & Interfaces, 2018, 10, 42513-42523.	4.0	28
804	Atomic Substitution Enabled Synthesis of Vacancy-Rich Two-Dimensional Black TiO ₂ Nanoflakes for High-Performance Rechargeable Magnesium Batteries. ACS Nano, 2018, 12, 12492-12502.	7.3	116
805	Honeycomb-like Hard Carbon Derived from Pine Pollen as High-Performance Anode Material for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 42796-42803.	4.0	129
806	Controlling the morphology, size and phase of Nb ₂ O ₅ crystals for high electrochemical performance. Chinese Chemical Letters, 2018, 29, 1785-1790.	4.8	56
807	Two-Dimensional Unilamellar Cation-Deficient Metal Oxide Nanosheet Superlattices for High-Rate Sodium Ion Energy Storage. ACS Nano, 2018, 12, 12337-12346.	7.3	111
808	Mesoporous niobium pentoxide/carbon composite electrodes for sodium-ion capacitors. Journal of Power Sources, 2018, 408, 82-90.	4.0	41
809	MnO ₂ /CdS/N-doped Graphite Nanocomposite for High-Performance Supercapacitors. International Journal of Electrochemical Science, 2018, 13, 642-654.	0.5	7
810	Asymmetric-Layered Tin Thiophosphate: An Emerging 2D Ternary Anode for High-Performance Sodium Ion Full Cell. ACS Nano, 2018, 12, 12902-12911.	7.3	45
811	Amorphization as a Pathway to Fast Charging Kinetics in Atomic Layer Deposition-Derived Titania Films for Lithium Ion Batteries. Chemistry of Materials, 2018, 30, 8871-8882.	3.2	22
812	Lithium Permeability Increase in Nanosized Amorphous Silicon Layers. Journal of Physical Chemistry C, 2018, 122, 28528-28536.	1.5	12
813	Nb ₂ O ₅ Nanoparticles Anchored on an N-Doped Graphene Hybrid Anode for a Sodium-Ion Capacitor with High Energy Density. ACS Omega, 2018, 3, 15943-15951.	1.6	30
814	Homologous Hierarchical Porous Hollow Carbon Spheres Anode and Bowls Cathode Enabling High-Energy Sodium-Ion Hybrid Capacitors. ACS Applied Materials & Interfaces, 2018, 10, 44483-44493.	4.0	67
815	WSe ₂ /Reduced Graphene Oxide Nanocomposite with Superfast Sodium Ion Storage Ability as Anode for Sodium Ion Capacitors. Journal of the Electrochemical Society, 2018, 165, A3642-A3647.	1.3	26
816	Metal-Organic Framework-Derived Sea-Cucumber-like FeS ₂ @C Nanorods with Outstanding Pseudocapacitive Na-Ion Storage Properties. ACS Applied Energy Materials, 2018, 1, 6234-6241.	2.5	47

#	ARTICLE	IF	CITATIONS
817	Two-dimensional holey ZnFe ₂ O ₄ nanosheet/reduced graphene oxide hybrids by self-link of nanoparticles for high-rate lithium storage. <i>Electrochimica Acta</i> , 2018, 292, 390-398.	2.6	22
818	Facile synthesis of Nb ₂ O ₅ /carbon nanocomposites as advanced anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2018, 292, 63-71.	2.6	77
819	Boosting long-cycle-life energy storage with holey graphene supported TiNb ₂ O ₇ network nanostructure for lithium ion hybrid supercapacitors. <i>Journal of Power Sources</i> , 2018, 403, 66-75.	4.0	80
820	Self-Healing Lamellar Structure Boosts Highly Stable Zinc-Storage Property of Bilayered Vanadium Oxides. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35079-35089.	4.0	169
822	Self-adaptive electrochemical reconstruction boosted exceptional Li ⁺ ion storage in a Cu ₃ P@C anode. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18821-18826.	5.2	60
823	Quasi-parallel arrays with a 2D-on-2D structure for electrochemical supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24717-24727.	5.2	44
824	TiO ₂ /MoO ₂ Nanocomposite as Anode Materials for High Power Li-ion Batteries with Exceptional Capacity. <i>International Journal of Electrochemical Science</i> , 2018, 13, 5120-5140.	0.5	6
825	Plasma of Hierarchical Graphene Survives SnS Bundles for Ultrastable and High Volumetric Na ⁺ Storage. <i>Advanced Materials</i> , 2018, 30, e1804833.	11.1	117
826	Nitrogen-Doped TiO ₂ @C Composite Nanofibers with High-Capacity and Long-Cycle Life as Anode Materials for Sodium-Ion Batteries. <i>Nano-Micro Letters</i> , 2018, 10, 71.	14.4	59
827	Self-Assembled Binary Organic Granules with Multiple Lithium Uptake Mechanisms toward High-Energy Flexible Lithium-Ion Hybrid Supercapacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1802273.	10.2	68
828	Capacitive Organic Anode Based on Fluorinated-Contorted Hexabenzocoronene: Applicable to Lithium-Ion and Sodium-Ion Storage Cells. <i>Advanced Science</i> , 2018, 5, 1801365.	5.6	35
829	Tin Nanoparticles Encapsulated Carbon Nanoboxes as High-Performance Anode for Lithium-Ion Batteries. <i>Frontiers in Chemistry</i> , 2018, 6, 533.	1.8	18
830	Self-Improving Na Ion Storage in Oxygen Deficient, Carbon Coated Self-Organized TiO ₂ Nanotubes. <i>ACS Applied Energy Materials</i> , 2018, 1, 6646-6653.	2.5	12
831	Fast Na ⁺ Intercalation in Zinc Vanadate for High-Performance Na ⁺ Ion Hybrid Capacitor. <i>Advanced Energy Materials</i> , 2018, 8, 1802800.	10.2	72
832	High Energy Density CNT/NaI Composite Cathodes for Sodium-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801342.	1.9	9
833	Hybrid Graphene Ribbon/Carbon Electrodes for High-Performance Energy Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1802439.	10.2	23
834	Approaching Theoretical Capacities in Thick Lithium Vanadium Phosphate Electrodes at High Charge/Discharge Rates. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15608-15617.	3.2	14
835	Nitrogen and Phosphorus Dual-Doped Graphene Aerogel Confined Monodisperse Iron Phosphide Nanodots as an Ultrafast and Long-Term Cycling Anode Material for Sodium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15083-15091.	3.2	53

#	ARTICLE	IF	CITATIONS
836	Facile Fabrication of Nitrogen-Doped Porous Carbon as Superior Anode Material for Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1802386.	10.2	393
837	Ultra-small V ₂ O ₃ embedded N-doped porous carbon nanorods with superior cycle stability for sodium-ion capacitors. <i>Journal of Power Sources</i> , 2018, 405, 37-44.	4.0	54
838	Boosting Sodium Storage of Double-Shell Sodium Titanate Microspheres Constructed from 2D Ultrathin Nanosheets via Sulfur Doping. <i>Advanced Materials</i> , 2018, 30, e1804157.	11.1	79
839	Ultrathin Ti ₂ Nb ₂ O ₉ Nanosheets with Pseudocapacitive Properties as Superior Anode for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2018, 30, e1804378.	11.1	117
840	The influence of the electrolyte composition on the electrochemical behaviour of cathodic materials for organic radical batteries. <i>Journal of Power Sources</i> , 2018, 405, 142-149.	4.0	23
841	Nanocasting and Direct Synthesis Strategies for Mesoporous Carbons as Supercapacitor Electrodes. <i>Chemistry of Materials</i> , 2018, 30, 7391-7412.	3.2	92
842	Using the Surface Features of Plant Matter to Create All-Polymer Pseudocapacitors with High Areal Capacitance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38574-38580.	4.0	11
843	Atomic-level structure engineering of metal oxides for high-rate oxygen intercalation pseudocapacitance. <i>Science Advances</i> , 2018, 4, eaau6261.	4.7	164
844	Hierarchical FeCo ₂ O ₄ @polypyrrole Core/Shell Nanowires on Carbon Cloth for High-Performance Flexible All-Solid-State Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14945-14954.	3.2	117
845	Surface-Confined Fabrication of Ultrathin Nickel Cobalt-Layered Double Hydroxide Nanosheets for High-Performance Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1803272.	7.8	215
846	Edge-Nitrogen-Rich Carbon Dots Pillared Graphene Blocks with Ultrahigh Volumetric/Gravimetric Capacities and Ultralong Life for Sodium-Ion Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1802042.	10.2	107
847	Insights on the Proton Insertion Mechanism in the Electrode of Hexagonal Tungsten Oxide Hydrate. <i>Journal of the American Chemical Society</i> , 2018, 140, 11556-11559.	6.6	128
848	Puzzles and confusions in supercapacitor and battery: Theory and solutions. <i>Journal of Power Sources</i> , 2018, 401, 213-223.	4.0	220
849	Redox Chemistry of Molybdenum Trioxide for Ultrafast Hydrogen-Ion Storage. <i>Angewandte Chemie</i> , 2018, 130, 11743-11747.	1.6	20
850	3D self-assembled VS ₄ microspheres with high pseudocapacitance as highly efficient anodes for Na-ion batteries. <i>Nanoscale</i> , 2018, 10, 21671-21680.	2.8	47
851	An Aqueous Rechargeable Zinc-Organic Battery with Hybrid Mechanism. <i>Advanced Functional Materials</i> , 2018, 28, 1804975.	7.8	462
852	Pseudocapacitive Lithium Storage in Three-Dimensional Cobalt-Doped MnO/Nitrogen-Doped Reduced Graphene Oxide Aerogels as High-Rate Anode Material. <i>ChemElectroChem</i> , 2018, 5, 3419-3425.	1.7	5
853	Rational design of La _{0.85} Sr _{0.15} MnO ₃ @NiCo ₂ O ₄ Core-Shell architecture supported on Ni foam for high performance supercapacitors. <i>Journal of Power Sources</i> , 2018, 402, 213-220.	4.0	95

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854	Design and Mechanisms of Asymmetric Supercapacitors. <i>Chemical Reviews</i> , 2018, 118, 9233-9280.	23.0	2,379
855	Adjusting the yolk-shell structure of carbon spheres to boost the capacitive K ⁺ storage ability. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23318-23325.	5.2	69
856	Fabrication of a Mo-Doped Strontium Cobaltite Perovskite Hybrid Supercapacitor Cell with High Energy Density and Excellent Cycling Life. <i>ChemSusChem</i> , 2018, 11, 4123-4130.	3.6	89
857	Synthesis of N-doped carbon nanosheets with controllable porosity derived from bio-oil for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19653-19663.	5.2	120
858	Porous Anatase-TiO ₂ (B) Dual-Phase Nanorods Prepared from <i>in Situ</i> Pyrolysis of a Single Molecule Precursor Offer High Performance Lithium-Ion Storage. <i>Inorganic Chemistry</i> , 2018, 57, 12245-12254.	1.9	17
859	Sheet-membrane Mn-doped nickel hydroxide encapsulated <i>via</i> heterogeneous Ni ₃ S ₂ nanoparticles for efficient alkaline battery-supercapacitor hybrid devices. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19020-19029.	5.2	55
860	Bioinspired Architectures and Heteroatom Doping To Construct Metal-Oxide-Based Anode for High-Performance Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 16902-16909.	1.7	20
861	Hierarchical T-Nb ₂ O ₅ nanostructure with hybrid mechanisms of intercalation and pseudocapacitance for potassium storage and high-performance potassium dual-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17889-17895.	5.2	112
862	Large Intercalation Pseudocapacitance in 2D VO ₂ (B): Breaking through the Kinetic Barrier. <i>Advanced Materials</i> , 2018, 30, e1803594.	11.1	50
863	Quantum-Mediated Controlled Synthesis of Dual Oxides of Molybdenum from MoS ₂ : Quantification of Supercapacitor Efficacy. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3871-3884.	1.7	16
864	Improved Specific Capacity of Nb ₂ O ₅ by Coating on Carbon Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2018, 5, 3468-3477.	1.7	8
865	Electrophoretic Deposition of Mesoporous Niobium(V)Oxide Nanoscopic Films. <i>Chemistry of Materials</i> , 2018, 30, 6549-6558.	3.2	16
866	Self-standing NASICON-type electrodes with high mass loading for fast-cycling all-phosphate sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18304-18317.	5.2	44
867	Rationally designed hierarchical porous CNFs/Co ₃ O ₄ nanofiber-based anode for realizing high lithium ion storage. <i>RSC Advances</i> , 2018, 8, 30794-30801.	1.7	16
868	A High-Performance Sodium-Ion Hybrid Capacitor Constructed by Metal-Organic Framework-Derived Anode and Cathode Materials. <i>Advanced Functional Materials</i> , 2018, 28, 1800757.	7.8	205
869	Nonhierarchical Heterostructured Fe ₂ O ₃ /Mn ₂ O ₃ Porous Hollow Spheres for Enhanced Lithium Storage. <i>Small</i> , 2018, 14, e1800659.	5.2	83
870	A 2D Conductive Organic-Inorganic Hybrid with Extraordinary Volumetric Capacitance at Minimal Swelling. <i>Advanced Materials</i> , 2018, 30, e1800400.	11.1	34
871	Single crystalline SnO ₂ nanorods functionalized with TiO ₂ nanospheres and their electrochemical properties. <i>Ceramics International</i> , 2018, 44, 14471-14479.	2.3	7

#	ARTICLE	IF	CITATIONS
872	Holey graphene-wrapped porous TiNb ₂ O ₆ microparticles as high-performance intercalation pseudocapacitive anode materials for lithium-ion capacitors. <i>NPG Asia Materials</i> , 2018, 10, 406-416.	3.8	55
873	Caging Nb ₂ O ₅ Nanowires in PECVD-Derived Graphene Capsules toward Bendable Sodium-Ion Hybrid Supercapacitors. <i>Advanced Materials</i> , 2018, 30, e1800963.	11.1	155
874	Strong Coupling of MoS ₂ Nanosheets and Nitrogen-Doped Graphene for High-Performance Pseudocapacitive Lithium Storage. <i>Small</i> , 2018, 14, e1704410.	5.2	89
875	Exposed high-energy facets in ultradispersed sub-10%nm SnO ₂ nanocrystals anchored on graphene for pseudocapacitive sodium storage and high-performance quasi-solid-state sodium-ion capacitors. <i>NPG Asia Materials</i> , 2018, 10, 429-440.	3.8	50
876	Dual-step synthesis of 3-dimensional niobium oxide “Zinc oxide. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
877	Metallic 1T phase MoS ₂ nanosheets decorated hollow cobalt sulfide polyhedra for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12613-12622.	5.2	46
878	Screen-printable microscale hybrid device based on MXene and layered double hydroxide electrodes for powering force sensors. <i>Nano Energy</i> , 2018, 50, 479-488.	8.2	176
879	Sodium storage in a promising MoS ₂ “carbon anode: elucidating structural and interfacial transitions in the intercalation process and conversion reactions. <i>Nanoscale</i> , 2018, 10, 11165-11175.	2.8	26
880	Ultrafast Zn ²⁺ Intercalation and Deintercalation in Vanadium Dioxide. <i>Advanced Materials</i> , 2018, 30, e1800762.	11.1	485
881	Versatile MnO ₂ /CNT Putty-Like Composites for High-Rate Lithium-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800362.	1.9	16
882	Effects of Constituent Materials on Heat Generation in Individual EDLC Electrodes. <i>Journal of the Electrochemical Society</i> , 2018, 165, A1547-A1557.	1.3	26
883	Identifying the Origin and Contribution of Surface Storage in TiO ₂ (B) Nanotube Electrode by In Situ Dynamic Valence State Monitoring. <i>Advanced Materials</i> , 2018, 30, e1802200.	11.1	90
884	Mg ₂ Nb ₃₄ O ₈₇ Porous Microspheres for Use in High-Energy, Safe, Fast-Charging, and Stable Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23711-23720.	4.0	58
885	High Volumetric Quasi-Solid-State Sodium-Ion Capacitor under High Mass Loading Conditions. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800472.	1.9	35
886	A High-Rate and Stable Quasi-Solid-State Zinc-Ion Battery with Novel 2D Layered Zinc Orthovanadate Array. <i>Advanced Materials</i> , 2018, 30, e1803181.	11.1	571
887	Ultrafast Aqueous Potassium-Ion Batteries Cathode for Stable Intermittent Grid-Scale Energy Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1801413.	10.2	136
888	Encapsulation of NiCo ₂ O ₄ in nitrogen-doped reduced graphene oxide for sodium ion capacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14146-14154.	5.2	46
889	FeP@C Nanotube Arrays Grown on Carbon Fabric as a Low Potential and Freestanding Anode for High-Performance Li-Ion Batteries. <i>Small</i> , 2018, 14, e1800793.	5.2	94

#	ARTICLE	IF	CITATIONS
890	Electrochemical activated MoO ₂ /Mo ₂ N heterostructured nanobelts as superior zinc rechargeable battery cathode. <i>Energy Storage Materials</i> , 2018, 15, 374-379.	9.5	87
891	Ti-Nb ₂ O ₅ nanoparticle enabled pseudocapacitance with fast Li-ion intercalation. <i>Nanoscale</i> , 2018, 10, 14165-14170.	2.8	29
892	Review of Hybrid Ion Capacitors: From Aqueous to Lithium to Sodium. <i>Chemical Reviews</i> , 2018, 118, 6457-6498.	23.0	741
893	Cobalt Disulfide Nanoparticles Embedded in Porous Carbonaceous Micro-Polyhedrons Interlinked by Carbon Nanotubes for Superior Lithium and Sodium Storage. <i>ACS Nano</i> , 2018, 12, 7220-7231.	7.3	234
894	Hierarchical Cobalt-Based Metal-Organic Framework for High-Performance Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 13362-13367.	1.7	60
895	Molten-salt chemical exfoliation process for preparing two-dimensional mesoporous Si nanosheets as high-rate Li-storage anode. <i>Nano Research</i> , 2018, 11, 6294-6303.	5.8	35
896	Dopamine-derived N-doped carbon encapsulating hollow Sn ₄ P ₃ microspheres as anode materials with superior sodium storage performance. <i>Journal of Alloys and Compounds</i> , 2018, 769, 45-52.	2.8	34
897	Self-Templating Synthesis of Cobalt Hexacyanoferrate Hollow Structures with Superior Performance for Na-Ion Hybrid Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29496-29504.	4.0	87
898	A Flexible Sulfur-Enriched Nitrogen Doped Multichannel Hollow Carbon Nanofibers Film for High Performance Sodium Storage. <i>Small</i> , 2018, 14, e1802218.	5.2	103
899	Advances of TiO ₂ as Negative Electrode Materials for Sodium-Ion Batteries. <i>Advanced Materials Technologies</i> , 2018, 3, 1800004.	3.0	68
900	Metal organic frameworks derived cobalt sulfide/reduced graphene oxide composites with fast reaction kinetic and excellent structural stability for sodium storage. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 407-415.	5.0	36
901	A facile solvent regulated method for phase control of two-dimensional nickel-cobalt hydroxide nanosheets: Towards improved performance hybrid supercapacitors. <i>Materials Chemistry and Physics</i> , 2018, 218, 172-181.	2.0	13
902	Recent progress on sodium ion batteries: potential high-performance anodes. <i>Energy and Environmental Science</i> , 2018, 11, 2310-2340.	15.6	561
903	Fabrication of Lithiophilic Copper Foam with Interfacial Modulation toward High-Rate Lithium Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27764-27770.	4.0	78
904	N-S co-doped C@SnS nanoflakes/graphene composite as advanced anode for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2018, 353, 606-614.	6.6	93
905	Fast and reversible redox reaction of polyNi(salphen)@reduced graphene oxide/multiwall carbon nanotubes composite for supercapacitors. <i>Electrochimica Acta</i> , 2018, 284, 355-365.	2.6	12
906	In-Situ Growth of Zeolitic Imidazolate Framework-derived Nanoporous Carbon@K _{0.5} Mn ₂ O ₄ for High-Performance 2.4-V Aqueous Asymmetric Supercapacitors. <i>ChemSusChem</i> , 2018, 11, 3167-3174.	3.6	52
907	Cation-Disordered Li ₃ VO ₄ : Reversible Li Insertion/Deinsertion Mechanism for Quasi Li-Rich Layered Li _{1+x} [V _{1/2} Li _{1/2}]O ₂ (x = 0-1). <i>Chemistry of Materials</i> , 2018, 30, 4926-4934.	3.2	26

#	ARTICLE	IF	CITATIONS
908	Controlling the Dimensions of 2D MXenes for Ultrahigh-Rate Pseudocapacitive Energy Storage. ACS Applied Materials & Interfaces, 2018, 10, 25949-25954.	4.0	118
909	Redox-Driven Route for Widening Voltage Window in Asymmetric Supercapacitor. ACS Nano, 2018, 12, 8494-8505.	7.3	164
910	Niobium tungsten oxides for high-rate lithium-ion energy storage. Nature, 2018, 559, 556-563.	13.7	612
911	Mesoporous Graphitic Carbon@Encapsulated Fe ₂ O ₃ Nanocomposite as High-Rate Anode Material for Sodium-Ion Batteries. Chemistry - A European Journal, 2018, 24, 14786-14793.	1.7	29
912	A stable high-power Na ₂ Ti ₃ O ₇ /LiNi _{0.5} Mn _{1.5} O ₄ Li-ion hybrid energy storage device. Electrochimica Acta, 2018, 284, 30-37.	2.6	12
913	Preparation of ternary phase Li ₄ Ti ₅ O ₁₂ /anatase/rutile nanocomposites with defects and their enhanced capability for lithium ion storage. Journal of Alloys and Compounds, 2018, 769, 463-470.	2.8	8
914	Review of electrical energy storage technologies, materials and systems: challenges and prospects for large-scale grid storage. Energy and Environmental Science, 2018, 11, 2696-2767.	15.6	1,467
915	Flexible Electronics Based on Micro/Nanostructured Paper. Advanced Materials, 2018, 30, e1801588.	11.1	249
916	Copper-Diphosphide Composites: A Key Factor Evaluation and Capacity Enhancement Route for High-Energy Lithium-Ion Storage. ACS Applied Energy Materials, 2018, 1, 3674-3683.	2.5	15
917	Direct observation of pseudocapacitive sodium storage behavior in molybdenum dioxide anodes. Journal of Power Sources, 2018, 397, 113-123.	4.0	10
918	Construction of Hierarchical MoSe ₂ Hollow Structures and Its Effect on Electrochemical Energy Storage and Conversion. ACS Applied Materials & Interfaces, 2018, 10, 25483-25492.	4.0	53
919	Two-Dimensional Double Hydroxide Nanoarchitecture with High Areal and Volumetric Capacitance. ACS Omega, 2018, 3, 7204-7213.	1.6	33
920	Controlling the Reaction of Nanoparticles for Hollow Metal Oxide Nanostructures. Journal of the American Chemical Society, 2018, 140, 9070-9073.	6.6	65
921	Potassium vanadates with stable structure and fast ion diffusion channel as cathode for rechargeable aqueous zinc-ion batteries. Nano Energy, 2018, 51, 579-587.	8.2	425
922	Fractal (Ni _x Co _{1-x}) ₉ Se ₈ Nanodendrite Arrays with Highly Exposed () Surface for Wearable, All-Solid-State Supercapacitor. Advanced Energy Materials, 2018, 8, 1801392.	10.2	183
923	Three-dimensional microflowers assembled by carbon-encapsulated-SnS nanosheets for superior Li-ion storage performance. Journal of Alloys and Compounds, 2018, 767, 361-367.	2.8	25
924	Vapor-Infiltration Approach toward Selenium/Reduced Graphene Oxide Composites Enabling Stable and High-Capacity Sodium Storage. ACS Nano, 2018, 12, 7397-7405.	7.3	60
925	Battery Electrode Materials with Omnivalent Cation Storage for Fast and Charge-Efficient Ion Removal of Asymmetric Capacitive Deionization. Advanced Functional Materials, 2018, 28, 1802665.	7.8	117

#	ARTICLE	IF	CITATIONS
926	Towards nanoscale electrical measurements in liquid by advanced KPFM techniques: a review. Reports on Progress in Physics, 2018, 81, 086101.	8.1	70
927	Visible-light-driven photocatalytic degradation of 4-CP and the synergistic reduction of Cr(VI) on one-pot synthesized amorphous Nb ₂ O ₅ nanorods/graphene heterostructured composites. Chemical Engineering Journal, 2018, 353, 100-114.	6.6	60
928	Thick and freestanding MXene/PANI pseudocapacitive electrodes with ultrahigh specific capacitance. Journal of Materials Chemistry A, 2018, 6, 22123-22133.	5.2	267
929	One-pot synthesis of Li ₃ VO ₄ particles with thin nitrogen-doped carbon coating layers as an anode material for lithium-ion batteries. Journal of Alloys and Compounds, 2018, 767, 657-665.	2.8	28
930	Encapsulation of CoS _x Nanocrystals into N/S Co-Doped Honeycomb-Like 3D Porous Carbon for High-Performance Lithium Storage. Advanced Science, 2018, 5, 1800829.	5.6	172
931	Rational Design of Hierarchical TiO ₂ /Epitaxially Aligned MoS ₂ -Carbon Coupled Interface Nanosheets Core/Shell Architecture for Ultrastable Sodium- and Lithium-Sulfur Batteries. Small Methods, 2018, 2, 1800119.	4.6	49
932	Fabrication Sandwich-Like V ₂ O ₅ Nanosheets Anchor in Graphene Towards High Energy Lithium Cathode Materials. Energy Technology, 2018, 6, 2115-2119.	1.8	8
933	Effect of Redox Electrolyte on the Specific Capacitance of SrRuO ₃ -Reduced Graphene Oxide Nanocomposites. Journal of Physical Chemistry C, 2018, 122, 11641-11650.	1.5	15
934	Ni-Sn-based hybrid composite anodes for high-performance lithium-ion batteries. Electrochimica Acta, 2018, 278, 25-32.	2.6	45
935	Surface tiny grain-dependent enhanced rate performance of MoO ₃ nanobelts with pseudocapacitance contribution for lithium-ion battery anode. Journal of Power Sources, 2018, 392, 87-93.	4.0	39
936	Influence of Ti ₃ C ₂ T _x (MXene) intercalation pseudocapacitance on electrochemical performance of Co-MOF binder-free electrode. Ceramics International, 2018, 44, 14425-14431.	2.3	81
937	Redox Chemistry of Molybdenum Trioxide for Ultrafast Hydrogen-Ion Storage. Angewandte Chemie - International Edition, 2018, 57, 11569-11573.	7.2	116
938	A facile strategy for the synthesis of graphene/V ₂ O ₅ nanospheres and graphene/VN nanospheres derived from a single graphene oxide-wrapped VO _x nanosphere precursor for hybrid supercapacitors. RSC Advances, 2018, 8, 27924-27934.	1.7	9
939	One step synthesis of rGO-Ni ₃ S ₂ nano-cubes composite for high-performance supercapacitor electrodes. International Journal of Hydrogen Energy, 2018, 43, 17780-17787.	3.8	51
940	Progress of metal-phosphide electrodes for advanced sodium-ion batteries. Functional Materials Letters, 2018, 11, 1830001.	0.7	22
941	Double-Layer N,S-Codoped Carbon Protection of MnS Nanoparticles Enabling Ultralong-Life and High-Rate Lithium Ion Storage. ACS Applied Energy Materials, 2018, 1, 4867-4873.	2.5	22
942	2D Nanospace Confined Synthesis of Pseudocapacitance-Dominated MoS ₂ -In ₂ Ti ₃ C ₂ Superstructure for Ultrafast and Stable Li/Na-Ion Batteries. Advanced Functional Materials, 2018, 28, 1804306.	7.8	194
943	Designing Three-Dimensional Architectures for High-Performance Electron Accepting Pseudocapacitors. Journal of the American Chemical Society, 2018, 140, 10960-10964.	6.6	78

#	ARTICLE	IF	CITATIONS
944	Biomass-derived nitrogen/oxygen co-doped hierarchical porous carbon with a large specific surface area for ultrafast and long-life sodium-ion batteries. <i>Applied Surface Science</i> , 2018, 462, 713-719.	3.1	41
945	LaB6 nanowires for supercapacitors. <i>Materials Today Energy</i> , 2018, 10, 28-33.	2.5	25
946	A photochromic zinc-based coordination polymer for a Li-ion battery anode with high capacity and stable cycling stability. <i>Dalton Transactions</i> , 2018, 47, 13222-13228.	1.6	24
947	High-rate and durable aqueous zinc ion battery using dendritic V10O24·12H2O cathode material with large interlamellar spacing. <i>Electrochimica Acta</i> , 2018, 287, 60-67.	2.6	128
948	The interlocked <i>in situ</i> fabrication of graphene@prussian blue nanocomposite as high-performance supercapacitor. <i>Dalton Transactions</i> , 2018, 47, 13126-13134.	1.6	28
949	Sodium Ion Capacitor Using Pseudocapacitive Layered Ferric Vanadate Nanosheets Cathode. <i>IScience</i> , 2018, 6, 212-221.	1.9	63
950	MoO ₃ nanosheet arrays as superior anode materials for Li- and Na-ion batteries. <i>Nanoscale</i> , 2018, 10, 16040-16049.	2.8	49
951	Coprecipitation Reaction System Synthesis and Lithium-Ion Capacitor Energy Storage Application of the Porous Structural Bimetallic Sulfide CoMoS ₄ Nanoparticles. <i>ACS Omega</i> , 2018, 3, 8803-8812.	1.6	18
952	High-performance sodium-ion hybrid capacitors based on an interlayer-expanded MoS ₂ /rGO composite: surpassing the performance of lithium-ion capacitors in a uniform system. <i>NPG Asia Materials</i> , 2018, 10, 775-787.	3.8	71
953	Facile Strategy to Low-Cost Synthesis of Hierarchically Porous, Active Carbon of High Graphitization for Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21573-21581.	4.0	38
954	Designing pinecone-like and hierarchical manganese cobalt sulfides for advanced supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12782-12793.	5.2	93
955	Vanadium-Based Cathode Materials for Rechargeable Multivalent Batteries: Challenges and Opportunities. <i>Electrochemical Energy Reviews</i> , 2018, 1, 169-199.	13.1	142
956	Constructing T-Nb ₂ O ₅ @Carbon hollow core-shell nanostructures for high-rate hybrid supercapacitor. <i>Journal of Power Sources</i> , 2018, 396, 88-94.	4.0	35
957	Electrochemical properties of novel FeV ₂ O ₄ as an anode for Na-ion batteries. <i>Scientific Reports</i> , 2018, 8, 8839.	1.6	22
958	Ultrasmall MoC nanoparticles embedded in 3D frameworks of nitrogen-doped porous carbon as anode materials for efficient lithium storage with pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13705-13716.	5.2	48
959	Nitrogen and phosphorous dual-doped graphene aerogel with rapid capacitive response for sodium-ion batteries. <i>Carbon</i> , 2018, 139, 1117-1125.	5.4	62
960	Nitrogenated Urchin-like Nb ₂ O ₅ Microspheres with Extraordinary Pseudocapacitive Properties for Lithium-ion Capacitors. <i>ChemElectroChem</i> , 2018, 5, 1516-1524.	1.7	36
961	A novel oxygen vacancy introduced microstructural reconstruction of SnO ₂ -graphene nanocomposite: Demonstration of enhanced electrochemical performance for sodium storage. <i>Electrochimica Acta</i> , 2018, 282, 351-361.	2.6	20

#	ARTICLE	IF	CITATIONS
962	Phosphorus-doped TiO ₂ -B nanowire arrays boosting robust pseudocapacitive properties for lithium storage. <i>Journal of Power Sources</i> , 2018, 396, 327-334.	4.0	43
963	A pyrolyzed polyacrylonitrile/selenium disulfide composite cathode with remarkable lithium and sodium storage performances. <i>Science Advances</i> , 2018, 4, eaat1687.	4.7	225
964	Low-Resistance Porous Nanocellular MnSe Electrodes for High-Performance All-Solid-State Battery-Supercapacitor Hybrid Devices. <i>Advanced Materials Technologies</i> , 2018, 3, 1800074.	3.0	58
965	Bottom-up self-assembly of nano-netting cluster microspheres as high-performance lithium storage materials. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13321-13330.	5.2	16
966	Observation of Pseudocapacitive Effect and Fast Ion Diffusion in Bimetallic Sulfides as an Advanced Sodium-ion Battery Anode. <i>Advanced Energy Materials</i> , 2018, 8, 1703155.	10.2	374
967	Synthesis of amorphous nickel-cobalt-manganese hydroxides for supercapacitor-battery hybrid energy storage system. <i>Energy Storage Materials</i> , 2019, 17, 194-203.	9.5	236
968	Engineering 2D Architectures toward High-Performance Micro-Supercapacitors. <i>Advanced Materials</i> , 2019, 31, e1802793.	11.1	202
969	Ultrahigh rate sodium-ion storage of SnS/SnS ₂ heterostructures anchored on S-doped reduced graphene oxide by ion-assisted growth. <i>Carbon</i> , 2019, 143, 21-29.	5.4	41
970	Microwave/freeze casting assisted fabrication of carbon frameworks derived from embedded upholder in tremella for superior performance supercapacitors. <i>Energy Storage Materials</i> , 2019, 18, 447-455.	9.5	70
971	Structurally disordered Ta ₂ O ₅ aerogel for high-rate and highly stable Li-ion and Na-ion storage through surface redox pseudocapacitance. <i>Electrochimica Acta</i> , 2019, 321, 134645.	2.6	27
972	Theoretical validation of the step potential electrochemical spectroscopy (SPECS) and multiple potential step chronoamperometry (MUSCA) methods for pseudocapacitive electrodes. <i>Electrochimica Acta</i> , 2019, 321, 134648.	2.6	3
973	Two-dimensional Nb ₂ O ₅ holey nanosheets prepared by a graphene sacrificial template method for high performance Mg ²⁺ /Li ⁺ hybrid ion batteries. <i>Nanoscale</i> , 2019, 11, 16222-16227.	2.8	24
974	Multifunctional Nanocomposites with High Strength and Capacitance Using 2D MXene and 1D Nanocellulose. <i>Advanced Materials</i> , 2019, 31, e1902977.	11.1	253
975	A 4 V Class Potassium Metal Battery with Extremely Low Overpotential. <i>ACS Nano</i> , 2019, 13, 9306-9314.	7.3	76
976	Design, synthesis and lithium-ion storage capability of Al _{0.5} Nb _{24.5} O ₆₂ . <i>Journal of Materials Chemistry A</i> , 2019, 7, 19862-19871.	5.2	96
977	Core-shell structured Si@C nanocomposite for high-performance Li-ion batteries with a highly viscous gel as precursor. <i>Journal of Power Sources</i> , 2019, 438, 227001.	4.0	41
978	Trimetallic MOF-Derived Cu _{0.39} Zn _{0.14} Co _{2.47} O ₄ "CuO Interwoven with Carbon Nanotubes on Copper Foam for Superior Lithium Storage with Boosted Kinetics. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15684-15695.	3.2	25
979	Fluorine substitution enabling pseudocapacitive intercalation of sodium ions in niobium oxyfluoride. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20813-20823.	5.2	18

#	ARTICLE	IF	CITATIONS
980	A New View of Supercapacitors: Integrated Supercapacitors. <i>Advanced Energy Materials</i> , 2019, 9, 1901081.	10.2	315
981	Enabling Superior Electrochemical Properties for Highly Efficient Potassium Storage by Impregnating Ultrafine Sb Nanocrystals within Nanochannel-Containing Carbon Nanofibers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14578-14583.	7.2	332
982	Enabling Superior Electrochemical Properties for Highly Efficient Potassium Storage by Impregnating Ultrafine Sb Nanocrystals within Nanochannel-Containing Carbon Nanofibers. <i>Angewandte Chemie</i> , 2019, 131, 14720-14725.	1.6	53
983	Nb ₂ O ₅ /RGO Nanocomposite Modified Separators with Robust Polysulfide Traps and Catalytic Centers for Boosting Performance of Lithium-Sulfur Batteries. <i>Small</i> , 2019, 15, e1902363.	5.2	83
984	Wider Voltage Window, High Capacity and Ultra-Long Life of an Na 0.91 MnO ₂ Cathode for an Aqueous High-Performance Supercapacitor. <i>Batteries and Supercaps</i> , 2019, 2, 948-955.	2.4	7
985	Enhancing the Rate Capability of Niobium Oxide Electrode through Rare-Earth Doping Engineering. <i>Batteries and Supercaps</i> , 2019, 2, 924-928.	2.4	11
986	Mixed molybdenum and vanadium oxide nanoparticles with excellent high-power performance as Li-ion battery negative electrodes. <i>Electrochimica Acta</i> , 2019, 322, 134695.	2.6	9
987	Heterostructured MXene and g-C ₃ N ₄ for high-rate lithium intercalation. <i>Nano Energy</i> , 2019, 65, 104030.	8.2	54
988	Designed Formation of Hybrid Nanobox Composed of Carbon Sheathed CoSe ₂ Anchored on Nitrogen-Doped Carbon Skeleton as Ultrastable Anode for Sodium-Ion Batteries. <i>Small</i> , 2019, 15, e1902881.	5.2	79
989	Hydrothermal synthesis of hierarchical CoMoO ₄ microspheres and their lithium storage properties as anode for lithium ion batteries. <i>Materials Today Communications</i> , 2019, 20, 100578.	0.9	13
990	Synthesis of three-dimensional free-standing WSe ₂ /C hybrid nanofibers as anodes for high-capacity lithium/sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19898-19908.	5.2	35
991	Achieving high energy density in a 4.5 V all nitrogen-doped graphene based lithium-ion capacitor. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19909-19921.	5.2	65
992	Metal-free energy storage systems: combining batteries with capacitors based on a methylene blue functionalized graphene cathode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19668-19675.	5.2	138
993	Tailoring MoS ₂ Ultrathin Sheets Anchored on Graphene Flexible Supports for Superstable Lithium-Ion Battery Anodes. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900197.	1.2	7
994	A Nonaqueous Na-Ion Hybrid Micro-Supercapacitor with Wide Potential Window and Ultrahigh Areal Energy Density. <i>Batteries and Supercaps</i> , 2019, 2, 918-923.	2.4	30
995	Porous Î±-MnSe Microsphere Cathode Material for High-Performance Aluminum Batteries. <i>ChemElectroChem</i> , 2019, 6, 4437-4443.	1.7	20
996	Chemical Bonding Construction of Reduced Graphene Oxide-Anchored Few-Layer Bismuth Oxychloride for Synergistically Improving Sodium-Ion Storage. <i>Chemistry of Materials</i> , 2019, 31, 7311-7319.	3.2	44
997	Fast-Charging High-Energy Battery-Supercapacitor Hybrid: Anodic Reduced Graphene Oxide-Vanadium(IV) Oxide Sheet-on-Sheet Heterostructure. <i>ACS Nano</i> , 2019, 13, 10776-10786.	7.3	104

#	ARTICLE	IF	CITATIONS
998	Creating Sandwich-like Ti ₃ C ₂ /TiO ₂ /rGO as Anode Materials with High Energy and Power Density for Li-Ion Hybrid Capacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 15394-15403.	3.2	57
999	CoS nanosheets wrapping on bowl-like hollow carbon spheres with enhanced compact density for sodium-ion batteries. Nanotechnology, 2019, 30, 425402.	1.3	17
1000	Polyethylene Glycolâ€“Na ⁺ Interface of Vanadium Hexacyanoferrate Cathode for Highly Stable Rechargeable Aqueous Sodium-Ion Battery. ACS Applied Materials & Interfaces, 2019, 11, 28762-28768.	4.0	41
1001	Fabrication of SnO ₂ /pyrolytic carbon nanosphere via methods of precursor atomization and combustion as a high reversibility anode for sodium storage. Journal of Solid State Chemistry, 2019, 277, 556-563.	1.4	4
1002	Interlaced NiMn-LDH nanosheet decorated NiCo ₂ O ₄ nanowire arrays on carbon cloth as advanced electrodes for high-performance flexible solid-state hybrid supercapacitors. Dalton Transactions, 2019, 48, 12168-12176.	1.6	41
1003	Advances in 3D Thinâ€“Film Liâ€“Ion Batteries. Advanced Materials Interfaces, 2019, 6, 1900805.	1.9	88
1004	General Synthetic Strategy for Pomegranate-like Transition-Metal Phosphides@N-Doped Carbon Nanostructures with High Lithium Storage Capacity. , 2019, 1, 265-271.		35
1005	Biomassâ€“Derived Carbon: A Valueâ€“Added Journey Towards Constructing Highâ€“Energy Supercapacitors in an Asymmetric Fashion. ChemSusChem, 2019, 12, 4353-4382.	3.6	51
1006	Hydrothermal synthesis of VS ₄ /CNTs composite with petal-shape structures performing a high specific capacity in a large potential range for high-performance symmetric supercapacitors. Journal of Colloid and Interface Science, 2019, 554, 191-201.	5.0	57
1007	A two-dimensional assembly of ultrafine cobalt oxide nanocrystallites anchored on single-layer Ti ₃ C ₂ T _x nanosheets with enhanced lithium storage for Li-ion batteries. Nanoscale, 2019, 11, 16755-16766.	2.8	35
1008	Constructing a buffering and conducting carbon nanotubes-interweaved layer on graphite flakes for high-rate and long-term K-storage properties. Journal of Power Sources, 2019, 436, 226847.	4.0	24
1009	The In-Situ Synthesis of a 3D SnS/N-Doped Graphene Composite with Enhanced Electrochemical Performance as a Low-Cost Anode Material in Sodium Ion Batteries. Materials, 2019, 12, 2030.	1.3	8
1010	Promoting Highly Reversible Sodium Storage of Iron Sulfide Hollow Polyhedrons via Cobalt Incorporation and Graphene Wrapping. Advanced Energy Materials, 2019, 9, 1901584.	10.2	71
1011	Defect-Assisted Selective Surface Phosphorus Doping to Enhance Rate Capability of Titanium Dioxide for Sodium Ion Batteries. ACS Nano, 2019, 13, 9247-9258.	7.3	173
1012	Shapeâ€“Assisted 2D MOF/Graphene Derived Hybrids as Exceptional Lithiumâ€“Ion Battery Electrodes. Advanced Functional Materials, 2019, 29, 1902539.	7.8	118
1013	High-Efficiency Electrocatalytic Water Oxidation on Trimetal-Based Feâ€“Coâ€“Cr Oxide. ACS Applied Energy Materials, 2019, 2, 5584-5590.	2.5	7
1014	Electrostatic force-driven anchoring of Ni(OH) ₂ nanocrystallites on single-layer MoS ₂ for high-performance asymmetric hybrid supercapacitors. Electrochimica Acta, 2019, 320, 134591.	2.6	39
1015	A pHâ€“Tailored Anodic Deposition of Hydrous RuO ₂ for Supercapacitors. ChemistrySelect, 2019, 4, 8122-8128.	0.7	7

#	ARTICLE	IF	CITATIONS
1016	A synergetic strategy for an advanced electrode with Fe ₃ O ₄ embedded in a 3D N-doped porous graphene framework and a strong adhesive binder for lithium/potassium ion batteries with an ultralong cycle lifespan. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19430-19441.	5.2	64
1017	A Large Scalable and Low-Cost Sulfur/Nitrogen Dual-Doped Hard Carbon as the Negative Electrode Material for High-Performance Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901379.	10.2	195
1018	In Situ Revealing the Electroactivity of P ₁ C ₂ O and P ₁ C ₂ C Bonds in Hard Carbon for High-Capacity and Long-Life Li/K-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901676.	10.2	202
1019	Sustainable Low-Temperature Activation to Customize Pore Structure and Heteroatoms of Biomass-Derived Carbon Enabling Unprecedented Durable Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14629-14638.	3.2	47
1020	Intercalation pseudocapacitance in a NASICON-structured Na ₂ CrTi(PO ₄) ₃ @carbon nanocomposite: towards high-rate and long-lifespan sodium-ion-based energy storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20604-20613.	5.2	18
1021	Manipulation of 2D carbon nanoplates with a core-shell structure for high-performance potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19929-19938.	5.2	44
1022	Layered metal vanadates with different interlayer cations for high-rate Na-ion storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16109-16116.	5.2	26
1023	Cu nanowires paper interlinked with cobalt oxide films for enhanced sensing and energy storage. <i>Chemical Communications</i> , 2019, 55, 9031-9034.	2.2	18
1024	Synthesis of urchin-like Ni ₃ Si ₂ O ₅ (OH) ₄ hierarchical hollow spheres/GO composite with enhanced electrochemical properties for high-performance hybrid supercapacitors. <i>Dalton Transactions</i> , 2019, 48, 11749-11762.	1.6	30
1025	An amorphous Zn-P/graphite composite with chemical bonding for ultra-reversible lithium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16785-16792.	5.2	30
1026	A novel intercalation pseudocapacitive electrode material: VO(OH) ₂ /CNT composite with cross-linked structure for high performance flexible symmetric supercapacitors. <i>Applied Surface Science</i> , 2019, 492, 746-755.	3.1	21
1027	Fabrication of Porous Carbon with Controllable Nitrogen Doping as Anode for High-Performance Potassium-Ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 3699-3707.	1.7	28
1028	Interior Supported Hierarchical TiO ₂ @Co ₃ O ₄ Derived from MOF-on-MOF Architecture with Enhanced Electrochemical Properties for Lithium Storage. <i>ChemElectroChem</i> , 2019, 6, 3657-3666.	1.7	29
1029	Electrospun VSe _{1.5} /CNF composite with excellent performance for alkali metal ion batteries. <i>Nanoscale</i> , 2019, 11, 16308-16316.	2.8	50
1030	Conversion pseudocapacitance-contributing and robust hetero-nanostructural perovskite KCo _{0.54} Mn _{0.46} F ₃ nanocrystals anchored on graphene nanosheet anodes for advanced lithium-ion capacitors, batteries and their hybrids. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18257-18266.	5.2	39
1031	Artificial Solid Electrolyte Interphase for Suppressing Surface Reactions and Cathode Dissolution in Aqueous Zinc Ion Batteries. <i>ACS Energy Letters</i> , 2019, 4, 2776-2781.	8.8	155
1032	Seamless mode transfer control for master-slave microgrid. <i>IET Power Electronics</i> , 2019, 12, 3158-3165.	1.5	19
1033	Aqueous asymmetric supercapacitor based on RuO ₂ -WO ₃ electrodes. <i>Electrochimica Acta</i> , 2019, 325, 134879.	2.6	53

#	ARTICLE	IF	CITATIONS
1034	Unlocking the Potential of Disordered Rocksalts for Aqueous Zinc-Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1904369.	11.1	171
1035	Compressible All-In-One Supercapacitor with Adjustable Output Voltage Based on Polypyrrole-Coated Melamine Foam. <i>Advanced Electronic Materials</i> , 2019, 5, 1900724.	2.6	34
1036	Dendrite-Free Flexible Fiber-Shaped Zn Battery with Long Cycle Life in Water and Air. <i>Advanced Energy Materials</i> , 2019, 9, 1901434.	10.2	87
1037	2D Titania-Carbon Superlattices Vertically Encapsulated in 3D Hollow Carbon Nanospheres Embedded with 0D TiO ₂ Quantum Dots for Exceptional Sodium-Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14125-14128.	7.2	47
1038	General and Scalable Fabrication of Core-Shell Metal Sulfides@C Anchored on 3D N-Doped Foam toward Flexible Sodium Ion Batteries. <i>Small</i> , 2019, 15, e1903259.	5.2	62
1039	Ultrahigh Rate Performance of Hollow Antimony Nanoparticles Impregnated in Open Carbon Boxes for Sodium-Ion Battery under Elevated Temperature. <i>Small</i> , 2019, 15, e1903521.	5.2	33
1040	Heterocarbides Reinforced Electrochemical Energy Storage. <i>Small</i> , 2019, 15, 1903652.	5.2	7
1041	SnS ₂ /Co ₃ S ₄ Hollow Nanocubes Anchored on S-Doped Graphene for Ultrafast and Stable Na-Ion Storage. <i>Small</i> , 2019, 15, e1903873.	5.2	57
1042	Unravelling H ⁺ /Zn ²⁺ Synergistic Intercalation in a Novel Phase of Manganese Oxide for High-Performance Aqueous Rechargeable Battery. <i>Small</i> , 2019, 15, e1904545.	5.2	133
1043	Superior Lithium Storage Capacity of MnS Nanoparticles Embedded in S-Doped Carbonaceous Mesoporous Frameworks. <i>Advanced Energy Materials</i> , 2019, 9, 1902077.	10.2	108
1044	Controlled growth of polypyrrole microtubes on disposable pencil graphite electrode and their supercapacitor behavior. <i>Electrochimica Acta</i> , 2019, 324, 134875.	2.6	20
1045	A-site cation-ordered double perovskite PrBaCo ₂ O ₅ + δ oxide as an anion-inserted pseudocapacitor electrode with outstanding stability. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151830.	2.8	20
1046	Hierarchically porous carbon materials derived from MIL-88(Fe) for superior high-rate and long cycling-life sodium ions batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019, 852, 113525.	1.9	7
1047	Rational design of nitrogen doped hierarchical porous carbon for optimized zinc-ion hybrid supercapacitors. <i>Nano Research</i> , 2019, 12, 2835-2841.	5.8	144
1048	Structure robustness and Li ⁺ diffusion kinetics in amorphous and graphitized carbon based Sn/C composites for lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019, 854, 113529.	1.9	16
1049	Metallic porous nitride single crystals at two-centimeter scale delivering enhanced pseudocapacitance. <i>Nature Communications</i> , 2019, 10, 4727.	5.8	36
1050	Designing In-Situ-Formed Interphases Enables Highly Reversible Cobalt-Free LiNiO ₂ Cathode for Li-ion and Li-metal Batteries. <i>Joule</i> , 2019, 3, 2550-2564.	11.7	167
1051	“Giving comes before receiving”: High performance wide temperature range Li-ion battery with Li ₅ V ₂ (PO ₄) ₃ as both cathode material and extra Li donor. <i>Nano Energy</i> , 2019, 66, 104175.	8.2	34

#	ARTICLE	IF	CITATIONS
1052	Framework Doping of Ni Enhances Pseudocapacitive Na-Ion Storage of (Ni)MnO ₂ Layered Birnessite. <i>Chemistry of Materials</i> , 2019, 31, 8774-8786.	3.2	51
1053	Coupling Niobia Nanorods with a Multicomponent Carbon Network for High Power Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44196-44203.	4.0	14
1054	Organic molecule electrode with high capacitive performance originating from efficient collaboration between caffeic acid and graphene & graphene nanomesh hydrogel. <i>Electrochimica Acta</i> , 2019, 326, 134953.	2.6	21
1055	A facile strategy to prepare (N, Ni, P) tri-doped echinus-like porous carbon spheres as advanced anode for lithium ion batteries. <i>Nanotechnology</i> , 2019, 30, 495403.	1.3	5
1056	Nanostructured Metal-Organic Conjugated Coordination Polymers with Ligand Tailoring for Superior Rechargeable Energy Storage. <i>Small</i> , 2019, 15, e1903188.	5.2	57
1057	Flexible free-standing paper electrodes based on reduced graphene oxide/ $\text{Na}_x\text{V}_2\text{O}_5 \cdot n\text{H}_2\text{O}$ nanocomposite for high-performance aqueous zinc-ion batteries. <i>Electrochimica Acta</i> , 2019, 328, 135137.	2.6	54
1058	Controllable synthesis of uniform mesoporous H-Nb ₂ O ₅ /rGO nanocomposites for advanced lithium ion hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 693-703.	5.2	86
1059	High-quality in situ fabricated Nb Josephson junctions with black phosphorus barriers. <i>Superconductor Science and Technology</i> , 2019, 32, 115005.	1.8	4
1060	Challenges of Fast Charging for Electric Vehicles and the Role of Red Phosphorous as Anode Material: Review. <i>Energies</i> , 2019, 12, 3897.	1.6	24
1061	Printable magnesium-ion quasi-solid-state asymmetric supercapacitors for flexible solar-charging integrated units. <i>Nature Communications</i> , 2019, 10, 4913.	5.8	162
1062	Capacity Contribution Induced by Pseudo-Capacitance Adsorption Mechanism of Anode Carbonaceous Materials Applied in Potassium-ion Battery. <i>Frontiers in Chemistry</i> , 2019, 7, 640.	1.8	13
1063	In Situ Growth of Hierarchical Ni-Mn-O Solid Solution on a Flexible and Porous Ni Electrode for High-Performance All-Solid-State Asymmetric Supercapacitors. <i>Chemistry - A European Journal</i> , 2019, 25, 15131-15140.	1.7	17
1064	Electrostatically Assembling 2D Nanosheets of MXene and MOF-Derivatives into 3D Hollow Frameworks for Enhanced Lithium Storage. <i>Small</i> , 2019, 15, e1904255.	5.2	138
1065	Confined Interlayer Water Promotes Structural Stability for High-Rate Electrochemical Proton Intercalation in Tungsten Oxide Hydrates. <i>ACS Energy Letters</i> , 2019, 4, 2805-2812.	8.8	88
1066	Confining MOF-derived SnSe nanoplatelets in nitrogen-doped graphene cages via direct CVD for durable sodium ion storage. <i>Nano Research</i> , 2019, 12, 3051-3058.	5.8	70
1067	Unexpected intercalation-dominated potassium storage in WS ₂ as a potassium-ion battery anode. <i>Nano Research</i> , 2019, 12, 2997-3002.	5.8	77
1068	Nanosized MoSe ₂ @Carbon Matrix: A Stable Host Material for the Highly Reversible Storage of Potassium and Aluminum Ions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44333-44341.	4.0	56
1069	Mechanism of Zn-Ion Intercalation/Deintercalation in a Zn-Polypyrrole Secondary Battery in Aqueous and Bio-Ionic liquid Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45098-45107.	4.0	38

#	ARTICLE	IF	CITATIONS
1070	Oxygen/Fluorine Dual-Doped Porous Carbon Nanopolyhedra Enabled Ultrafast and Highly Stable Potassium Storage. <i>Advanced Functional Materials</i> , 2019, 29, 1906126.	7.8	123
1071	Hierarchically Organized Ultrathin NiO Nanofibers/Highly Defective-rGO Heteronanocomposite: An Advanced Electrode Material for Asymmetric Supercapacitors. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900889.	1.9	35
1072	2D Titania-Carbon Superlattices Vertically Encapsulated in 3D Hollow Carbon Nanospheres Embedded with OD TiO ₂ Quantum Dots for Exceptional Sodium-Ion Storage. <i>Angewandte Chemie</i> , 2019, 131, 14263-14266.	1.6	13
1073	Ultrafine SnO ₂ nanoparticles encapsulated in 3D porous carbon as a high-performance anode material for potassium-ion batteries. <i>Journal of Power Sources</i> , 2019, 441, 227191.	4.0	47
1074	Impacts of weather on cycling and walking on twin trails in Seattle. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 77, 573-588.	3.2	32
1075	Nitrogen-doped Carbon with Modulated Surface Chemistry and Porous Structure by a Stepwise Biomass Activation Process towards Enhanced Electrochemical Lithium-Ion Storage. <i>Scientific Reports</i> , 2019, 9, 15032.	1.6	24
1076	Time domain modelling of concurrent insertion and capacitive storage using Laplace domain representations of impedance. <i>Journal of Electroanalytical Chemistry</i> , 2019, 850, 113379.	1.9	5
1077	Heterostructured TiO ₂ Spheres with Tunable Interiors and Shells toward Improved Packing Density and Pseudocapacitive Sodium Storage. <i>Advanced Materials</i> , 2019, 31, e1904589.	11.1	73
1078	NaCa _{0.6} V ₆ O ₁₆ ·3H ₂ O as an Ultra-Stable Cathode for Zn-Ion Batteries: The Roles of Pre-Inserted Dual-Cations and Structural Water in V ₃ O ₈ Layer. <i>Advanced Energy Materials</i> , 2019, 9, 1901968.	10.2	196
1079	Synthesis and Operando Sodiation Mechanistic Study of Nitrogen-Doped Porous Carbon Coated Bimetallic Sulfide Hollow Nanocubes as Advanced Sodium Ion Battery Anode. <i>Advanced Energy Materials</i> , 2019, 9, 1902312.	10.2	74
1080	Exploiting the Condensation Reactions of Acetophenone to Engineer Carbon-Encapsulated Nb ₂ O ₅ Nanocrystals for High-Performance Li and Na Energy Storage Systems. <i>Advanced Energy Materials</i> , 2019, 9, 1902813.	10.2	49
1081	Phosphorization-Induced Void-Containing Fe ₃ O ₄ Nanoparticles Enabling Low Lithiation/Delithiation Potential for High-Performance Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 5060-5069.	1.7	10
1082	Scalable and green production of porous graphene nanosheets for flexible supercapacitors. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	7
1083	Conductive 2D metal-organic framework for high-performance cathodes in aqueous rechargeable zinc batteries. <i>Nature Communications</i> , 2019, 10, 4948.	5.8	398
1084	Electrolyte selection for supercapacitive devices: a critical review. <i>Nanoscale Advances</i> , 2019, 1, 3807-3835.	2.2	702
1085	Pseudo-capacitive Behavior of Graphene Oxide Paper in AlCl ₃ and 1-ethyl-3-methylimidazolium Chloride (Molar Ratio of 1.3:1) Solution and its Application for Aluminium Ion Batteries. <i>International Journal of Electrochemical Science</i> , 2019, , 9610-9621.	0.5	1
1086	Ultra-High Mass-Loading Cathode for Aqueous Zinc-Ion Battery Based on Graphene-Wrapped Aluminum Vanadate Nanobelts. <i>Nano-Micro Letters</i> , 2019, 11, 69.	14.4	122
1087	Layered cobalt hydroxalcite as an advanced lithium-ion anode material with high capacity and rate capability. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21264-21269.	5.2	7

#	ARTICLE	IF	CITATIONS
1088	Ionic and Electronic Conduction in TiNb_2O_7 . Journal of the American Chemical Society, 2019, 141, 16706-16725.	6.6	134
1089	Ultrahigh-capacity tetrahydroxybenzoquinone grafted graphene material as a novel anode for lithium-ion batteries. Carbon, 2019, 155, 445-452.	5.4	33
1090	Controllable oxygen-incorporated interlayer-expanded ReS_2 nanosheets deposited on hollow mesoporous carbon spheres for improved redox kinetics of Li-ion storage. Journal of Materials Chemistry A, 2019, 7, 22070-22078.	5.2	10
1091	Mechanistic understanding of monovalent cation transport in eumelanin pigments. Journal of Materials Chemistry B, 2019, 7, 6355-6361.	2.9	15
1092	A paradigm of storage batteries. Energy and Environmental Science, 2019, 12, 3203-3224.	15.6	154
1093	Design of 2D mesoporous Zn/Co-based metal-organic frameworks as a flexible electrode for energy storage and conversion. Journal of Power Sources, 2019, 438, 227057.	4.0	53
1094	Investigating the large potential window of NiCo_2O_4 supercapacitors in neutral aqueous electrolyte. Electrochimica Acta, 2019, 321, 134681.	2.6	31
1095	Enhanced Cathode and Anode Compatibility for Boosting Both Energy and Power Densities of Na/K-Ion Hybrid Capacitors. Matter, 2019, 1, 893-910.	5.0	65
1096	Single-Crystal Fe_2O_3 with Engineered Exposed (001) Facet for High-Rate, Long-Cycle-Life Lithium-Ion Battery Anode. Inorganic Chemistry, 2019, 58, 12724-12732.	1.9	34
1097	Synthesis of 2D $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Nanosheets via the "Insertion-Exfoliation-Lithiation" Process. ACS Applied Energy Materials, 2019, 2, 7321-7329.	2.5	11
1098	Sn-C and Se-C Co-Bonding SnSe /Few-Layered Graphene Micro-Nano Structure: Route to a Densely Compacted and Durable Anode for Lithium/Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 36685-36696.	4.0	83
1099	Hierarchical TiO_2 -x nanoarchitectures on Ti foils as binder-free anodes for hybrid Li-ion capacitors. Journal of Colloid and Interface Science, 2019, 555, 791-800.	5.0	25
1100	Hybridizing $\hat{\Gamma}$ -type $\text{Na}_x\text{V}_2\text{O}_5 \cdot n\text{H}_2\text{O}$ with graphene towards high-performance aqueous zinc-ion batteries. Electrochimica Acta, 2019, 321, 134689.	2.6	45
1101	Anchoring of gold nanoparticles into aligned TiO_2 nanotube: Improved supercapacitive performance. Nano Structures Nano Objects, 2019, 20, 100381.	1.9	5
1102	Aqueous Cathodic Exfoliation Strategy toward Solution-Processable and Phase-Preserved MoS_2 Nanosheets for Energy Storage and Catalytic Applications. ACS Applied Materials & Interfaces, 2019, 11, 36991-37003.	4.0	43
1103	Intercalation pseudocapacitance in chemically stable $\text{Au-}\hat{\Gamma}\text{-Fe}_2\text{O}_3\text{-Mn}_3\text{O}_4$ composite nanorod: Towards highly efficient solid-state symmetric supercapacitor device. Electrochimica Acta, 2019, 324, 134865.	2.6	28
1104	A case study of $\hat{\Gamma}^2$ - and $\hat{\Gamma}$ - MnO_2 with different crystallographic forms on ion-storage in rechargeable aqueous zinc ion battery. Electrochimica Acta, 2019, 324, 134867.	2.6	64
1105	Electrolyte Effect on the Electrochemical Performance of Mild Aqueous Zinc-Electrolytic Manganese Dioxide Batteries. ACS Applied Materials & Interfaces, 2019, 11, 37524-37530.	4.0	47

#	ARTICLE	IF	CITATIONS
1106	Construction of Hierarchical NiCo ₂ O ₄ @Ni-MOF Hybrid Arrays on Carbon Cloth as Superior Battery-Type Electrodes for Flexible Solid-State Hybrid Supercapacitors. ACS Applied Materials & Interfaces, 2019, 11, 37675-37684.	4.0	169
1107	Commercial-Level Energy Storage via Free-Standing Stacking Electrodes. Matter, 2019, 1, 1694-1709.	5.0	19
1108	Yolk-shelled Sb@C nanoconfined nitrogen/sulfur co-doped 3D porous carbon microspheres for sodium-ion battery anode with ultralong high-rate cycling. Nano Energy, 2019, 66, 104133.	8.2	56
1109	High electrical conductivity-induced enhancement effect of electrochemical performance in mesoporous NiCo ₂ S ₄ nanorod-based supercapacitor. Journal of Energy Storage, 2019, 26, 100955.	3.9	18
1110	Entire synergistic contribution of electrodeposited battery-type NiCo ₂ O ₄ @Ni _{4.5} Co _{4.5} S ₈ composite for high-performance supercapacitors. Journal of Power Sources, 2019, 439, 227097.	4.0	74
1111	Two-Dimensional Mesoporous Heterostructure Delivering Superior Pseudocapacitive Sodium Storage via Bottom-Up Monomicelle Assembly. Journal of the American Chemical Society, 2019, 141, 16755-16762.	6.6	99
1112	Biomorphic carbon derived from corn husk as a promising anode materials for potassium ion battery. Electrochimica Acta, 2019, 324, 134902.	2.6	64
1113	Al ³⁺ ion intercalation pseudocapacitance study of W ₁₈ O ₄₉ nanostructure. Journal of Power Sources, 2019, 438, 227028.	4.0	58
1114	Graphene Oxide Wrapped CuV ₂ O ₆ Nanobelts as High-Capacity and Long-Life Cathode Materials of Aqueous Zinc-Ion Batteries. ACS Nano, 2019, 13, 12081-12089.	7.3	254
1115	Boosting Sodium Storage of Fe _{1-x} S/MoS ₂ Composite via Heterointerface Engineering. Nano-Micro Letters, 2019, 11, 80.	14.4	77
1116	MoP-protected Mo oxide nanotube arrays for long-term stable supercapacitors. Applied Materials Today, 2019, 17, 227-235.	2.3	17
1117	Li ⁺ intercalation pseudocapacitance in Sn-based metal-organic framework for high capacity and ultra-stable Li ion storage. Journal of Power Sources, 2019, 440, 227162.	4.0	35
1118	Molecular Cooperative Assembly-Mediated Synthesis of Ultra-High-Performance Hard Carbon Anodes for Dual-Carbon Sodium Hybrid Capacitors. ACS Nano, 2019, 13, 11935-11946.	7.3	29
1119	Effects of the composition of reduced graphene oxide/carbon nanofiber nanocomposite on charge storage behaviors. Composites Part B: Engineering, 2019, 178, 107500.	5.9	30
1120	Carbon dioxide to solid carbon at the surface of iron nanoparticle: Hollow nanocarbons for sodium ion battery anode application. Journal of CO ₂ Utilization, 2019, 34, 588-595.	3.3	4
1121	Rapid Assemble of MnC ₂ O ₄ Microtubes Using a Microchannel Reactor and Their Use as an Anode Material for Lithium-ion Batteries. Electrochimica Acta, 2019, 321, 134673.	2.6	24
1122	Ultrathin Ni _{0.85} Se nanosheets supported by Ni skeleton with high performance toward hybrid supercapacitors. Journal of Energy Storage, 2019, 26, 100972.	3.9	7
1123	Design and Tuning of the Electrochemical Properties of Vanadium-Based Cation-Disordered Rock-Salt Oxide Positive Electrode Material for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 39848-39858.	4.0	21

#	ARTICLE	IF	CITATIONS
1124	MOF-derived Cu@C loaded with SnO _x as a superior anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2019, 326, 134960.	2.6	24
1125	Dual-phase nanostructuring of layered metal oxides for high-performance aqueous rechargeable potassium ion microbatteries. <i>Nature Communications</i> , 2019, 10, 4292.	5.8	66
1126	Rational Design of Mixed Solvent and Porous Graphene-Supported Spinel Oxide Electrodes for High-Rate and Long Cycle-Life Mg Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37595-37601.	4.0	3
1127	Mn and Co co-doped perovskite fluorides KNiF ₃ with enhanced capacitive performance. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 546-555.	5.0	30
1128	Insights into the intrinsic capacity of interlayer-expanded MoS ₂ as a Li-ion intercalation host. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1187-1195.	5.2	32
1129	Flexible all-solid-state fiber-shaped Ni@Fe batteries with high electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 520-530.	5.2	70
1130	Cellular carbon-wrapped FeSe ₂ nanocavities with ultrathin walls and multiple rooms for ion diffusion-confined ultrafast sodium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4469-4479.	5.2	101
1131	Designing oxygen bonding between reduced graphene oxide and multishelled Mn ₃ O ₄ hollow spheres for enhanced performance of supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6686-6694.	5.2	103
1132	Nickel/cobalt metal-organic framework derived 1D hierarchical NiCo ₂ O ₄ /NiO/carbon nanofibers for advanced sodium storage. <i>Chemical Engineering Journal</i> , 2019, 364, 123-131.	6.6	73
1133	Diffusion-free Grotthuss topochemistry for high-rate and long-life proton batteries. <i>Nature Energy</i> , 2019, 4, 123-130.	19.8	446
1134	Li-salt mediated Mg-rhodizonate batteries based on ultra-large cathode grains enabled by K-ion pillaring. <i>Energy Storage Materials</i> , 2019, 22, 218-227.	9.5	37
1135	Sn-SnO ₂ hybrid nanoclusters embedded in carbon nanotubes with enhanced electrochemical performance for advanced lithium ion batteries. <i>Journal of Power Sources</i> , 2019, 415, 126-135.	4.0	84
1136	High performance potassium-ion battery anode based on biomorphic N-doped carbon derived from walnut septum. <i>Journal of Power Sources</i> , 2019, 415, 165-171.	4.0	139
1137	MoSe ₂ nanosheets-wrapped flexible carbon cloth as binder-free anodes for high-rate lithium and sodium ion storages. <i>Electrochimica Acta</i> , 2019, 301, 29-38.	2.6	56
1138	Metal organic framework derived Nb ₂ O ₅ @C nanoparticles grown on reduced graphene oxide for high-energy lithium ion capacitors. <i>Chemical Communications</i> , 2019, 55, 2692-2695.	2.2	61
1139	Ultrafast Li-ion migration in holey-graphene-based composites constructed by a generalized <i>in situ</i> method towards high capacity energy storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4788-4796.	5.2	34
1140	Atomic Sulfur Covalently Engineered Interlayers of Ti ₃ C ₂ MXene for Ultra-Fast Sodium-Ion Storage by Enhanced Pseudocapacitance. <i>Advanced Functional Materials</i> , 2019, 29, 1808107.	7.8	213
1141	Understanding the Different Diffusion Mechanisms of Hydrated Protons and Potassium Ions in Titanium Carbide MXene. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7087-7095.	4.0	36

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1142	Phosphorusâ€Modulationâ€Triggered Surface Disorder in Titanium Dioxide Nanocrystals Enables Exceptional Sodiumâ€Storage Performance. <i>Angewandte Chemie</i> , 2019, 131, 4062-4066.	1.6	11
1143	Phosphorusâ€Modulationâ€Triggered Surface Disorder in Titanium Dioxide Nanocrystals Enables Exceptional Sodiumâ€Storage Performance. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4022-4026.	7.2	56
1144	High-throughput fabrication of 3D N-doped graphenic framework coupled with Fe ₃ C@porous graphite carbon for ultrastable potassium ion storage. <i>Energy Storage Materials</i> , 2019, 22, 185-193.	9.5	91
1145	Synthesis of conducting polymer-intercalated vanadate nanofiber composites using a sonochemical method for high performance pseudocapacitor applications. <i>Journal of Power Sources</i> , 2019, 414, 460-469.	4.0	36
1146	Nanosheet-based Nb ₁₂ O ₂₉ hierarchical microspheres for enhanced lithium storage. <i>Chemical Communications</i> , 2019, 55, 2493-2496.	2.2	92
1147	Microwave-assisted hydrothermal synthesis and electrochemical characterization of niobium pentoxide/carbon nanotubes composites. <i>Journal of Materials Research</i> , 2019, 34, 592-599.	1.2	11
1148	Exploring the sodium ion storage mechanism of gallium sulfide (Ga ₂ S ₃): a combined experimental and theoretical approach. <i>Nanoscale</i> , 2019, 11, 3208-3215.	2.8	24
1149	ZnSe embedded in N-doped carbon nanocubes as anode materials for high-performance Li-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 364, 503-513.	6.6	97
1150	Hybrid energy storage mechanisms for sulfur-decorated Ti ₃ C ₂ MXene anode material for high-rate and long-life sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 366, 460-467.	6.6	128
1151	Inkjet printed pseudocapacitive electrodes on laser-induced graphene for electrochemical energy storage. <i>Materials Today Energy</i> , 2019, 12, 155-160.	2.5	35
1152	Quantification of Pseudocapacitive Contribution in Nanocageâ€Shaped Siliconâ€Carbon Composite Anode. <i>Advanced Energy Materials</i> , 2019, 9, 1803480.	10.2	75
1153	Tiâ€Doped Ultraâ€Small CoO Nanoparticles Embedded in an Octahedral Carbon Matrix with Enhanced Lithium and Sodium Storage. <i>ChemElectroChem</i> , 2019, 6, 917-927.	1.7	21
1154	Fewâ€Layered Tin Sulfide Nanosheets Supported on Reduced Graphene Oxide as a Highâ€Performance Anode for Potassiumâ€Ion Batteries. <i>Small</i> , 2019, 15, e1804806.	5.2	160
1155	Facile synthesis of MnO ₂ nanorods grown on porous carbon for supercapacitor with enhanced electrochemical performance. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 466-475.	5.0	23
1156	Synthesis of ultrathin and hierarchically porous carbon nanosheets based on interlayer-confined inorganic/organic coordination for high performance supercapacitors. <i>Journal of Power Sources</i> , 2019, 414, 383-392.	4.0	39
1157	Hierarchical NiSe ₂ spheres composed of tiny nanoparticles for high performance asymmetric supercapacitors. <i>CrystEngComm</i> , 2019, 21, 994-1000.	1.3	48
1158	Understanding the formation of ultrathin mesoporous Li ₄ Ti ₅ O ₁₂ nanosheets and their application in high-rate, long-life lithium-ion anodes. <i>Nanoscale</i> , 2019, 11, 520-531.	2.8	33
1159	TiO ₂ -B nanowires <i>via</i> topological conversion with enhanced lithium-ion intercalation properties. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3842-3847.	5.2	37

#	ARTICLE	IF	CITATIONS
1160	A Universal Converse Voltage Process for Triggering Transition Metal Hybrids In Situ Phase Restruction toward Ultrahigh-Rate Supercapacitors. <i>Advanced Materials</i> , 2019, 31, e1901241.	11.1	81
1161	A Bipolar and Self-Polymerized Phthalocyanine Complex for Fast and Tunable Energy Storage in Dual-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10204-10208.	7.2	78
1162	Electrochemically Induced Amorphization and Unique Lithium and Sodium Storage Pathways in FeSbO ₄ Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20082-20090.	4.0	14
1163	Expanded hydrated vanadate for high-performance aqueous zinc-ion batteries. <i>Energy and Environmental Science</i> , 2019, 12, 2273-2285.	15.6	512
1164	Competing with other polyanionic cathode materials for potassium-ion batteries via fine structure design: new layered KVOPO ₄ with a tailored particle morphology. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15244-15251.	5.2	72
1165	Nanosheet-assembled hierarchical Li ₄ Ti ₅ O ₁₂ microspheres for high-volumetric-density and high-rate Li-ion battery anode. <i>Energy Storage Materials</i> , 2019, 21, 361-371.	9.5	57
1166	A Bipolar and Self-Polymerized Phthalocyanine Complex for Fast and Tunable Energy Storage in Dual-Ion Batteries. <i>Angewandte Chemie</i> , 2019, 131, 10310-10314.	1.6	24
1167	Nano-spatially confined and interface-controlled lithiation-delithiation in an in situ formed (SnS ₂ /SnS ₂ -S)/FLG composite: a route to an ultrafast and cycle-stable anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15320-15332.	5.2	32
1168	N/O Codoped Porous Carbons with Layered Structure for High-Rate Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11219-11227.	3.2	31
1169	The Effect of Air on Electrochemical Behavior of Activated Carbon at Negative Potentials in Aqueous Li ₂ SO ₄ Electrolyte. <i>International Journal of Electrochemical Science</i> , 2019, 14, 6257-6266.	0.5	1
1170	A new strategy to prepare Ge/GeO ₂ -reduced graphene oxide microcubes for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2019, 318, 314-321.	2.6	25
1171	An air-stable electrochromic conjugated microporous polymer as an emerging electrode material for hybrid energy storage systems. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16397-16405.	5.2	96
1172	Integrating Fast Potential-Fringe Battery Reactions for High-Voltage Battery-Supercapacitor Hybrid Energy Storage Systems. <i>Batteries and Supercaps</i> , 2019, 2, 766-773.	2.4	10
1173	Porous Nb ₄ N ₅ /rGO Nanocomposite for Ultrahigh-Energy-Density Lithium-Ion Hybrid Capacitor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24114-24121.	4.0	31
1174	Preparation of Nb ₂ O ₅ with an air filter-like structure and its excellent electrochemical performance in supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 802, 668-674.	2.8	5
1175	Construction of V ₂ O ₅ /NaV ₆ O ₁₅ biphasic composites as aqueous zinc-ion battery cathode. <i>Journal of Electroanalytical Chemistry</i> , 2019, 847, 113246.	1.9	27
1176	Core-niobium pentoxide carbon-shell nanoparticles decorating multiwalled carbon nanotubes as electrode for electrochemical capacitors. <i>Journal of Power Sources</i> , 2019, 434, 226737.	4.0	23
1177	Ternary Anode Design for Sustainable Battery Technology: An Off-Stoichiometric Sn/SnSiO _x + ₂ @C Composite Recycled from Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	2

#	ARTICLE	IF	CITATIONS
1178	Facile Synthesis of Peapod-Like $\text{Cu}_3\text{Ge}/\text{Ge}@C$ as a High-Capacity and Long-Life Anode for Li-ion Batteries. <i>Chemistry - A European Journal</i> , 2019, 25, 11486-11493.	1.7	12
1179	Intermetallic SnSb nanodots embedded in carbon nanotubes reinforced nanofabric electrodes with high reversibility and rate capability for flexible Li-ion batteries. <i>Nanoscale</i> , 2019, 11, 13282-13288.	2.8	27
1180	The Ultrahigh-Rate Performance of Alkali Ion-Pre-Intercalated Manganese Oxides in Aqueous Li_2SO_4 , Na_2SO_4 , K_2SO_4 and MgSO_4 Electrolytes. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1875-A1883.	1.3	13
1181	Pillaring-Effect Induced Ultrahigh-Rate Pseudocapacitive Energy Storage Based on Layered Double Hydroxide Nanoplate Arrays. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 11954-11963.	1.8	5
1182	Meso-porous amorphous Ge: Synthesis and mechanism of an anode material for Na and K storage. <i>Nano Research</i> , 2019, 12, 1824-1830.	5.8	22
1183	All-Climate Aqueous Dual-Ion Hybrid Battery with Ultrahigh Rate and Ultralong Life Performance. <i>ACS Applied Energy Materials</i> , 2019, 2, 4370-4378.	2.5	50
1184	Understanding the Role of Overpotentials in Lithium Ion Conversion Reactions: Visualizing the Interface. <i>ACS Nano</i> , 2019, 13, 7825-7832.	7.3	16
1185	The multi-yolk/shell structure of $\text{FeP}@$ foam-like graphenic scaffolds: strong $\text{P}-\text{C}$ bonds and electrolyte- and binder-optimization boost potassium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15673-15682.	5.2	69
1186	Hetero-layered MoS_2/C composites enabling ultrafast and durable Na storage. <i>Energy Storage Materials</i> , 2019, 21, 115-123.	9.5	46
1187	Sulfur-Grafted Hollow Carbon Spheres for Potassium-Ion Battery Anodes. <i>Advanced Materials</i> , 2019, 31, e1900429.	11.1	235
1188	Joint Charge Storage for High-Rate Aqueous Zinc-Manganese Dioxide Batteries. <i>Advanced Materials</i> , 2019, 31, e1900567.	11.1	299
1189	Wrinkled Carbon-Coated NiCo_2O_4 Nanoclusters Constructed by Self-Encapsulation of Cellulose Nanonetwork for Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10840-10846.	3.2	19
1190	Freestanding CNT-modified graphitic carbon foam as a flexible anode for potassium ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15774-15781.	5.2	87
1191	In Situ Fabrication of Branched TiO_2/C Nanofibers as Binder-Free and Free-Standing Anodes for High-Performance Sodium-Ion Batteries. <i>Small</i> , 2019, 15, 1901584.	5.2	39
1192	FeS_2 hollow nanospheres as high-performance anode for sodium ion battery and their surface pseudocapacitive properties. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	13
1193	Supramolecule Self-Assembly Promoted Porous N, P Co-Doped Reduced Graphene Oxide for High Energy Density Supercapacitors. <i>ACS Applied Energy Materials</i> , 2019, 2, 4084-4091.	2.5	45
1194	Influence of single-nanoparticle electrochromic dynamics on the durability and speed of smart windows. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12666-12671.	3.3	38
1195	Kinetics Enhanced Nitrogen-Doped Hierarchical Porous Hollow Carbon Spheres Boosting Advanced Potassium-Ion Hybrid Capacitors. <i>Advanced Functional Materials</i> , 2019, 29, 1903496.	7.8	267

#	ARTICLE	IF	CITATIONS
1196	Towards a durable high performance anode material for lithium storage: stabilizing N-doped carbon encapsulated FeS nanosheets with amorphous TiO ₂ . Journal of Materials Chemistry A, 2019, 7, 16541-16552.	5.2	30
1197	Microporous Organic Polymer-Derived Nitrogen-Doped Porous Carbon Spheres for Efficient Capacitive Energy Storage. ChemElectroChem, 2019, 6, 3327-3336.	1.7	18
1198	Nitrogen/sulphur co-doped porous carbon derived from wasted wet wipes as promising anode material for high performance capacitive potassium-ion storage. Materials Today Energy, 2019, 13, 195-204.	2.5	36
1199	Carbon Cloth Modified with Metal-Organic Framework Derived CC@CoMoO ₄ -Co(OH) ₂ Nanosheets Array as a Flexible Energy Storage Material. ChemElectroChem, 2019, 6, 3355-3366.	1.7	14
1200	Proton-assisted creation of controllable volumetric oxygen vacancies in ultrathin CeO _{2-x} for pseudocapacitive energy storage applications. Nature Communications, 2019, 10, 2594.	5.8	75
1201	Roadmap of in-plane electrochemical capacitors and their advanced integrated systems. Energy Storage Materials, 2019, 21, 219-239.	9.5	30
1202	Synthesis of polycrystalline K _{0.25} V ₂ O ₅ nanoparticles as cathode for aqueous zinc-ion battery. Journal of Alloys and Compounds, 2019, 801, 82-89.	2.8	56
1203	Role of Fe doping in tuning photocatalytic and photoelectrochemical properties of TiO ₂ for photodegradation of methylene blue. Optics and Laser Technology, 2019, 118, 170-178.	2.2	66
1204	A Flexible Film toward High-Performance Lithium Storage: Designing Nanosheet-Assembled Hollow Single-Hole Ni-Co-Mn-O Spheres with Oxygen Vacancy Embedded in 3D Carbon Nanotube/Graphene Network. Small, 2019, 15, e1901343.	5.2	22
1205	Nb ⁵⁺ -doped P2-type Mn-based layered oxide cathode with an excellent high-rate cycling stability for sodium-ion batteries. Ionics, 2019, 25, 4775-4786.	1.2	17
1206	Introduction to Electrochemical Energy Storage. , 2019, , 1-28.		0
1207	Nanoscale Parallel Circuitry Based on Interpenetrating Conductive Assembly for Flexible and High-Power Zinc Ion Battery. Advanced Functional Materials, 2019, 29, 1901336.	7.8	145
1208	Yolk-shell N-doped carbon coated FeS ₂ nanocages as a high-performance anode for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 14051-14059.	5.2	84
1209	Intercalation of Layered Materials from Bulk to 2D. Advanced Materials, 2019, 31, e1808213.	11.1	120
1210	Fast Electrochemical Storage Process in Sputtered Nb ₂ O ₅ Porous Thin Films. ACS Nano, 2019, 13, 5826-5832.	7.3	29
1211	Energy storage: pseudocapacitance in prospect. Chemical Science, 2019, 10, 5656-5666.	3.7	99
1212	High-rate and stable iron phosphide nanorods anode for sodium-ion battery. Electrochimica Acta, 2019, 314, 142-150.	2.6	32
1213	Low-temperature electroless synthesis of mesoporous aluminum nanoparticles on graphene for high-performance lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 13917-13921.	5.2	13

#	ARTICLE	IF	CITATIONS
1214	Gel-assisted synthesis of Cu Co S nanosheets for lithium-ion batteries. <i>Applied Surface Science</i> , 2019, 488, 537-545.	3.1	7
1215	Unzipped carbon nanotubes for aluminum battery. <i>Energy Storage Materials</i> , 2019, 23, 72-78.	9.5	64
1216	Oneâ€Dimensional Nanostructured Pseudocapacitive Materials: Design, Synthesis and Applications in Supercapacitors. <i>Batteries and Supercaps</i> , 2019, 2, 820-841.	2.4	92
1217	Carbon coated amorphous bimetallic sulfide hollow nanocubes towards advanced sodium ion battery anode. <i>Carbon</i> , 2019, 150, 378-387.	5.4	58
1218	Vacancy defective perovskite Na _{0.85} Ni _{0.45} Co _{0.55} F _{3.56} nanocrystal anodes for advanced lithium-ion storage driven by surface conversion and insertion hybrid mechanisms. <i>Chemical Communications</i> , 2019, 55, 6739-6742.	2.2	30
1219	Electrochemical Techniques in Battery Research: A Tutorial for Nonelectrochemists. <i>Advanced Energy Materials</i> , 2019, 9, 1900747.	10.2	216
1220	A kinetically well-matched full-carbon sodium-ion capacitor. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13540-13549.	5.2	116
1221	An Autotransferable gâ€C ₃ N ₄ Li ⁺ â€Modulating Layer toward Stable Lithium Anodes. <i>Advanced Materials</i> , 2019, 31, e1900342.	11.1	205
1222	A Crystalline, 2D Polyarylimide Cathode for Ultrastable and Ultrafast Li Storage. <i>Advanced Materials</i> , 2019, 31, e1901478.	11.1	192
1223	Sizeâ€Independent Fast Ion Intercalation in Twoâ€Dimensional Titania Nanosheets for Alkaliâ€Metalâ€Ion Batteries. <i>Angewandte Chemie</i> , 2019, 131, 8832-8837.	1.6	13
1224	Aging mechanism of MoS ₂ nanosheets confined in N-doped mesoporous carbon spheres for sodium-ion batteries. <i>Nano Energy</i> , 2019, 62, 299-309.	8.2	119
1225	Graphene quantum dots modification of yolk-shell Co ₃ O ₄ @CuO microspheres for boosted lithium storage performance. <i>Chemical Engineering Journal</i> , 2019, 373, 985-994.	6.6	73
1226	Metallic 1T phase MoS ₂ /MnO composites with improved cyclability for lithium-ion battery anodes. <i>Journal of Alloys and Compounds</i> , 2019, 796, 25-32.	2.8	22
1227	Oneâ€Step Synthesis of 2â€Ethylhexylamine Pillared Vanadium Disulfide Nanoflowers with Ultralarge Interlayer Spacing for Highâ€Performance Magnesium Storage. <i>Advanced Energy Materials</i> , 2019, 9, 1900145.	10.2	131
1228	Pseudocapacitive T-Nb ₂ O ₅ /N-doped carbon nanosheets anode enable high performance lithium-ion capacitors. <i>Journal of Electroanalytical Chemistry</i> , 2019, 842, 82-88.	1.9	33
1229	3D Interlaced Networks of VO(OH) ₂ Nanoflakes Wrapped with Graphene Oxide Nanosheets as Electrodes for Energy Storage Devices. <i>ACS Applied Nano Materials</i> , 2019, 2, 2934-2945.	2.4	83
1230	Li-Ions Transport Promoting and Highly Stable Solidâ€Electrolyte Interface on Si in Multilayer Si/C through Thickness Control. <i>ACS Nano</i> , 2019, 13, 5602-5610.	7.3	42
1231	Nitrogen/oxygen co-doped mesoporous carbon octahedrons for high-performance potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12317-12324.	5.2	110

#	ARTICLE	IF	CITATIONS
1232	Complications When Differentiating Charge Transfer Processes in Electrochemical Capacitor Materials: Assessment of Cyclic Voltammetry Data. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1370-A1379.	1.3	36
1233	Strongly Coupled Pyridine@VO ₂ N ₂ O ₅ Nanowires with Intercalation Pseudocapacitance and Stabilized Layer for High Energy Sodium Ion Capacitors. <i>Small</i> , 2019, 15, e1900379.	5.2	35
1234	Graphitic Carbon Nitride (g-C ₃ N ₄) Derived Na-Rich Graphene with Tuneable Interlayer Distance as a High-Rate Anode for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1901261.	11.1	362
1235	Surface-Confined SnS ₂ @C/rGO as High-Performance Anode Materials for Sodium and Potassium-Ion Batteries. <i>ChemSusChem</i> , 2019, 12, 2689-2700.	3.6	98
1236	Templated manganese oxide by pyrolysis route as a promising candidate cathode for asymmetric supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2019, 843, 54-60.	1.9	15
1237	Hierarchical N-doped graphene coated 1D cobalt oxide microrods for robust and fast lithium storage at elevated temperature. <i>Electrochimica Acta</i> , 2019, 310, 70-77.	2.6	55
1238	Bi ₂ MoO ₆ Microsphere with Double-Polyaniline Layers toward Ultrastable Lithium Energy Storage by Reinforced Structure. <i>Inorganic Chemistry</i> , 2019, 58, 6410-6421.	1.9	26
1239	Surface chemistry of tube-in-tube nanostructured cuprous sulfide@void@carbon in catalytical polysulfide conversion. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12815-12824.	5.2	5
1240	Capacitive Sodium-Ion Storage Based on Double-Layered Mesoporous Graphene with High Capacity and Charging/Discharging Rate. <i>ChemSusChem</i> , 2019, 12, 4323-4331.	3.6	7
1241	Ni ₂ P Nanosheets on Carbon Cloth: An Efficient Flexible Electrode for Sodium-Ion Batteries. <i>Inorganic Chemistry</i> , 2019, 58, 6579-6583.	1.9	35
1242	Controlled synthesis of MOF-derived quadruple-shelled CoS ₂ hollow dodecahedrons as enhanced electrodes for supercapacitors. <i>Electrochimica Acta</i> , 2019, 312, 54-61.	2.6	81
1243	Ultra-fast NH ₄ ⁺ Storage: Strong H Bonding between NH ₄ ⁺ and Bi-layered V ₂ O ₅ . <i>Chem</i> , 2019, 5, 1537-1551.	5.8	207
1244	Size-Independent Fast Ion Intercalation in Two-Dimensional Titania Nanosheets for Alkali-Metal-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8740-8745.	7.2	53
1245	Self-assembled Prussian blue "polypyrrole nanocomposites for energy storage application. <i>Journal of Applied Electrochemistry</i> , 2019, 49, 631-638.	1.5	5
1246	Unveiling of the energy storage mechanisms of multi-modified (Nb ₂ O ₅ @C)/rGO nanoarrays as anode for high voltage supercapacitors with formulated ionic liquid electrolytes. <i>Electrochimica Acta</i> , 2019, 313, 532-543.	2.6	35
1247	Nitrogen and Phosphorus Codoped Vertical Graphene/Carbon Cloth as a Binder-Free Anode for Flexible Advanced Potassium Ion Full Batteries. <i>Small</i> , 2019, 15, e1901285.	5.2	115
1248	Hierarchically porous carbon supported Sn ₄ P ₃ as a superior anode material for potassium-ion batteries. <i>Energy Storage Materials</i> , 2019, 23, 367-374.	9.5	120
1249	Alkali-induced 3D crinkled porous Ti ₃ C ₂ MXene architectures coupled with NiCoP bimetallic phosphide nanoparticles as anodes for high-performance sodium-ion batteries. <i>Energy and Environmental Science</i> , 2019, 12, 2422-2432.	15.6	299

#	ARTICLE	IF	CITATIONS
1250	Tuning Anionic Chemistry To Improve Kinetics of Mg Intercalation. <i>Chemistry of Materials</i> , 2019, 31, 3183-3191.	3.2	91
1251	Multivalent metal ion hybrid capacitors: a review with a focus on zinc-ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13810-13832.	5.2	312
1252	Engineering Ultrathin MoS ₂ Nanosheets Anchored on N-Doped Carbon Microspheres with Pseudocapacitive Properties for High-Performance Lithium-Ion Capacitors. <i>Small Methods</i> , 2019, 3, 1900081.	4.6	96
1253	Carbon-decorated flower-like ZnO as high-performance anode materials for Li-ion batteries. <i>Ionics</i> , 2019, 25, 4129-4136.	1.2	10
1254	Surface modification of Na ₂ Ti ₃ O ₇ nanofibre arrays using N-doped graphene quantum dots as advanced anodes for sodium-ion batteries with ultra-stable and high-rate capability. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12751-12762.	5.2	83
1255	Vertically-aligned nanostructures for electrochemical energy storage. <i>Nano Research</i> , 2019, 12, 2002-2017.	5.8	45
1256	Electrochemical investigations of Nb ₂ O ₅ /carbon materials from filter paper, microfibrillated and bacterial celluloses by sustainable reductive mineralization. <i>Electrochimica Acta</i> , 2019, 313, 478-487.	2.6	6
1257	A Metal-free Battery with Pure Ionic Liquid Electrolyte. <i>IScience</i> , 2019, 15, 16-27.	1.9	43
1258	MoP hollow nanospheres encapsulated in 3D reduced graphene oxide networks as high rate and ultralong cycle performance anodes for sodium-ion batteries. <i>Nanoscale</i> , 2019, 11, 7129-7134.	2.8	47
1259	MoS ₂ -Coupled Carbon Nanosheets Encapsulated on Sodium Titanate Nanowires as Super-Durable Anode Material for Sodium-Ion Batteries. <i>Advanced Science</i> , 2019, 6, 1900028.	5.6	49
1260	V ₂ O ₅ Nanospheres with Mixed Vanadium Valences as High Electrochemically Active Aqueous Zinc-Ion Battery Cathode. <i>Nano-Micro Letters</i> , 2019, 11, 25.	14.4	274
1261	Nitrogen/Oxygen Co-Doped Hierarchically Porous Carbon for High-Performance Potassium Storage. <i>Chemistry - A European Journal</i> , 2019, 25, 7359-7365.	1.7	59
1262	Nanoengineering mesoporous graphene-based anatase/bronze TiO ₂ heterostructures for pseudocapacitance-enhanced lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 790, 683-692.	2.8	9
1263	Insights into the Crystallinity of Layer-Structured Transition Metal Dichalcogenides on Potassium Ion Battery Performance: A Case Study of Molybdenum Disulfide. <i>Small</i> , 2019, 15, e1900497.	5.2	62
1264	Rational Surface Tailoring Oxygen Functional Groups on Carbon Spheres for Capacitive Mechanistic Study. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13214-13224.	4.0	58
1265	A facile strategy for the synthesis of three-dimensional heterostructure self-assembled MoSe ₂ nanosheets and their application as an anode for high-energy lithium-ion hybrid capacitors. <i>Nanoscale</i> , 2019, 11, 7263-7276.	2.8	57
1266	Bimetal-organic frameworks derived ternary metal sulphide nanoparticles embedded in porous carbon spheres/carbon nanotubes as high-performance lithium storage materials. <i>Chemical Engineering Journal</i> , 2019, 370, 89-97.	6.6	22
1267	3D rGO aerogel with superior electrochemical performance for K ⁺ Ion battery. <i>Energy Storage Materials</i> , 2019, 19, 306-313.	9.5	70

#	ARTICLE	IF	CITATIONS
1268	Understanding aggregation hindered Li-ion transport in transition metal oxide at mesoscale. <i>Energy Storage Materials</i> , 2019, 19, 439-445.	9.5	32
1269	Ultrathin γ -MnO ₂ nanosheets as cathode for aqueous rechargeable zinc ion battery. <i>Electrochimica Acta</i> , 2019, 304, 370-377.	2.6	207
1270	Hierarchical MoS ₂ –carbon porous nanorods towards atomic interfacial engineering for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7553-7564.	5.2	31
1271	T-Nb ₂ O ₅ embedded carbon nanosheets with superior reversibility and rate capability as an anode for high energy Li-ion capacitors. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1055-1065.	2.5	23
1272	Flow effects on silicate dissolution and ion transport at an aqueous interface. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6970-6975.	1.3	10
1273	Sandwich-like NiCo layered double hydroxide/reduced graphene oxide nanocomposite cathodes for high energy density asymmetric supercapacitors. <i>Dalton Transactions</i> , 2019, 48, 5193-5202.	1.6	224
1274	Freestanding film made by necklace-like N-doped hollow carbon with hierarchical pores for high-performance potassium-ion storage. <i>Energy and Environmental Science</i> , 2019, 12, 1605-1612.	15.6	349
1275	Preparation of ZnNb ₂ O ₆ /N-doped carbon composites for lithium ion storage. <i>Chemical Engineering Journal</i> , 2019, 368, 764-771.	6.6	28
1276	Lithium ion capacitors (LICs): Development of the materials. <i>Energy Storage Materials</i> , 2019, 19, 314-329.	9.5	180
1277	Facile fabrication of 2D stanene nanosheets <i>via</i> a dealloying strategy for potassium storage. <i>Chemical Communications</i> , 2019, 55, 3983-3986.	2.2	17
1278	Superior lithium-storage properties derived from a high pseudocapacitance behavior for a peony-like holey Co ₃ O ₄ anode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8327-8334.	5.2	45
1279	<i>In situ</i> N-doped carbon modified (Co _{0.5} Ni _{0.5}) ₉ S ₈ solid-solution hollow spheres as high-capacity anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8268-8276.	5.2	79
1280	Definitions of Pseudocapacitive Materials: A Brief Review. <i>Energy and Environmental Materials</i> , 2019, 2, 30-37.	7.3	1,026
1281	Intercalation Pseudocapacitance Boosting Ultrafast Sodium Storage in Prussian Blue Analogs. <i>ChemSusChem</i> , 2019, 12, 2415-2420.	3.6	28
1282	A high over-potential binder-free electrode constructed of Prussian blue and MnO ₂ for high performance aqueous supercapacitors. <i>Nano Research</i> , 2019, 12, 1061-1069.	5.8	62
1283	Novel GaNb ₄₉ O ₁₂₄ microspheres with intercalation pseudocapacitance for ultrastable lithium-ion storage. <i>Ceramics International</i> , 2019, 45, 12211-12217.	2.3	20
1284	Electrochemical intercalation of MoO ₃ -MoS ₂ composite electrodes: Charge storage mechanism of non-hydrated cations. <i>Electrochimica Acta</i> , 2019, 307, 176-187.	2.6	29
1285	Carbon-based materials for lithium-ion capacitors. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1265-1279.	3.2	94

#	ARTICLE	IF	CITATIONS
1286	Mesoporous CoSe ₂ nanoclusters threaded with nitrogen-doped carbon nanotubes for high-performance sodium-ion battery anodes. <i>Chemical Engineering Journal</i> , 2019, 370, 1008-1018.	6.6	131
1287	Co ₉ S ₈ embedded into N/S doped carbon composites: <i>in situ</i> derivation from a sulfonate-based metal-organic framework and its electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10331-10337.	5.2	75
1288	3D mesoporous reduced graphene oxide with remarkable supercapacitive performance. <i>Carbon</i> , 2019, 148, 354-360.	5.4	24
1290	Ni-Al layered double hydroxide with regulated interlayer spacing as electrode for aqueous asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2019, 368, 905-913.	6.6	88
1291	Charge Storage by Electrochemical Reaction of Water Bilayers Absorbed on MoS ₂ Monolayers. <i>Scientific Reports</i> , 2019, 9, 3980.	1.6	16
1292	Progressively Exposing Active Facets of 2D Nanosheets toward Enhanced Pseudocapacitive Response and High-Rate Sodium Storage. <i>Advanced Materials</i> , 2019, 31, e1900526.	11.1	83
1293	Fiber-in-Tube Design of Co ₉ S ₈ -Carbon/Co ₉ S ₈ : Enabling Efficient Sodium Storage. <i>Angewandte Chemie</i> , 2019, 131, 6305-6309.	1.6	15
1294	Fiber-in-Tube Design of Co ₉ S ₈ -Carbon/Co ₉ S ₈ : Enabling Efficient Sodium Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6239-6243.	7.2	137
1295	Hybridization design of materials and devices for flexible electrochemical energy storage. <i>Energy Storage Materials</i> , 2019, 19, 212-241.	9.5	163
1296	A recyclable route to produce biochar with a tailored structure and surface chemistry for enhanced charge storage. <i>Green Chemistry</i> , 2019, 21, 2095-2103.	4.6	23
1297	Three-dimensional ordered porous electrode materials for electrochemical energy storage. <i>NPG Asia Materials</i> , 2019, 11, .	3.8	215
1298	Biomass derived interconnected hierarchical micro-meso-macro- porous carbon with ultrahigh capacitance for supercapacitors. <i>Carbon</i> , 2019, 147, 540-549.	5.4	374
1299	Amorphous Fe Co Ni oxide for oxygen evolution reaction. <i>Materials Today Energy</i> , 2019, 12, 311-317.	2.5	38
1300	Rational design of few-layer MoSe ₂ confined within ZnSe/C hollow porous spheres for high-performance lithium-ion and sodium-ion batteries. <i>Nanoscale</i> , 2019, 11, 6766-6775.	2.8	143
1301	Identification of Phase Control of Carbon-Confined Nb ₂ O ₅ Nanoparticles toward High-Performance Lithium Storage. <i>Advanced Energy Materials</i> , 2019, 9, 1802695.	10.2	161
1302	Rare earth incorporated electrode materials for advanced energy storage. <i>Coordination Chemistry Reviews</i> , 2019, 390, 32-49.	9.5	126
1303	Molecularly Coupled Two-Dimensional Titanium Oxide and Carbide Sheets for Wearable and High-Rate Quasi-Solid-State Rechargeable Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1901576.	7.8	15
1304	Mosaic rGO layers on lithium metal anodes for the effective mediation of lithium plating and stripping. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12214-12224.	5.2	44

#	ARTICLE	IF	CITATIONS
1305	Ionic liquids to monitor the nano-structuration and the surface functionalization of material electrodes: a proof of concept applied to cobalt oxyhydroxide. <i>Nanoscale Advances</i> , 2019, 1, 2240-2249.	2.2	11
1306	Synergistic effect of N-doping and rich oxygen vacancies induced by nitrogen plasma endows TiO ₂ superior sodium storage performance. <i>Electrochimica Acta</i> , 2019, 309, 242-252.	2.6	44
1307	Preparation and electrochemical performance of nitrogen-enriched activated carbon derived from silkworm pupae waste. <i>RSC Advances</i> , 2019, 9, 9878-9886.	1.7	18
1308	Theory and experiments join forces to characterize the electrocatalytic interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7611-7613.	3.3	5
1309	Na ₃ V ₂ (PO ₄) ₃ nanoparticles confined in functional carbon framework towards high-rate and ultralong-life sodium storage. <i>Journal of Alloys and Compounds</i> , 2019, 791, 296-306.	2.8	30
1310	Sandwich-type nanoporous CoO/N-doped carbon multi-layers with ultrahigh lithium storage and long-life stability. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10610-10618.	5.2	22
1311	Investigation of Na ₃ V ₂ (PO ₄) ₂ O ₂ F as a sodium ion battery cathode material: Influences of morphology and voltage window. <i>Nano Energy</i> , 2019, 60, 510-519.	8.2	69
1312	The dealloyingâ€“lithiation/delithiationâ€“realloying mechanism of a breithauptite (NiSb) nanocrystal embedded nanofabric anode for flexible Li-ion batteries. <i>Nanoscale</i> , 2019, 11, 8803-8811.	2.8	24
1313	Sb ₂ O ₅ /Co-containing carbon polyhedra as anode material for high-performance lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 370, 800-809.	6.6	72
1314	Size-dependent capacitive behavior of homogeneous MnO nanoparticles on carbon cloth as electrodes for symmetric solid-state supercapacitors with high performance. <i>Electrochimica Acta</i> , 2019, 307, 442-450.	2.6	20
1315	High volumetric capacity Fe ₂ TeO ₆ as a novel anode material for alkali-ion batteries. <i>Materials Letters</i> , 2019, 246, 157-160.	1.3	10
1316	Novel Subâ€“5 nm Layered Niobium Phosphate Nanosheets for Highâ€“Voltage, Cationâ€“Intercalation Typed Electrochemical Energy Storage in Wearable Pseudocapacitors. <i>Advanced Energy Materials</i> , 2019, 9, 1900111.	10.2	57
1317	An Investigation into the Chargeâ€“Storage Mechanism of MnO@Graphite as Anode for Lithiumâ€“Ion Batteries at Low Temperature. <i>ChemElectroChem</i> , 2019, 6, 2248-2253.	1.7	27
1318	MOF-derived hierarchical nanosheet arrays constructed by interconnected NiCo-alloy@NiCo-sulfide core-shell nanoparticles for high-performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 370, 666-676.	6.6	158
1319	Yolkâ€“shell Nb ₂ O ₅ microspheres as intercalation pseudocapacitive anode materials for high-energy Li-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11234-11240.	5.2	80
1320	Toward High Powerâ€“High Energy Sodium Cathodes: A Case Study of Bicontinuous Ordered Network of 3D Porous Na ₃ (VO) ₂ (PO ₄) ₂ F/rGO with Pseudocapacitance Effect. <i>Small</i> , 2019, 15, e1900356.	5.2	54
1321	Study of pseudocapacitive contribution to superior energy storage of 3D heterostructure CoWO ₄ /Co ₃ O ₄ nanocone arrays. <i>Journal of Power Sources</i> , 2019, 418, 202-210.	4.0	121
1322	Triazine based polyimide framework derived N-doped porous carbons: a study of their capacitive behaviour in aqueous acidic electrolyte. <i>Materials Chemistry Frontiers</i> , 2019, 3, 680-689.	3.2	29

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1323	An Aqueous Dual-Ion Battery Cathode of Mn ₃ O ₄ via Reversible Insertion of Nitrate. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5286-5291.	7.2	92
1324	Hierarchical Micro-Nano Sheet Arrays of Nickel-Cobalt Double Hydroxides for High-Rate Ni-Zn Batteries. <i>Advanced Science</i> , 2019, 6, 1802002.	5.6	202
1325	Niobium-Based Oxides Toward Advanced Electrochemical Energy Storage: Recent Advances and Challenges. <i>Small</i> , 2019, 15, e1804884.	5.2	130
1326	Conformal Hollow Carbon Sphere Coated on Sn ₄ P ₃ Microspheres as High-Rate and Cycle-Stable Anode Materials with Superior Sodium Storage Capability. <i>ACS Applied Energy Materials</i> , 2019, 2, 1756-1764.	2.5	38
1327	Multicore-Shell Bi@N-doped Carbon Nanospheres for High Power Density and Long Cycle Life Sodium- and Potassium-Ion Anodes. <i>Advanced Functional Materials</i> , 2019, 29, 1809195.	7.8	268
1328	Rice husk derived porous carbon decorated with hierarchical molybdenum disulfide microflowers: Synergistic lithium storage performance and lithiation kinetics. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7438-7447.	3.8	18
1329	Constructing hierarchical MoO ₂ /N-doped carbon hydrangea-like spheres with superior lithium storage properties. <i>Journal of Alloys and Compounds</i> , 2019, 787, 45-52.	2.8	24
1330	Structural Modification of V ₂ O ₅ as High-Performance Aqueous Zinc-Ion Battery Cathode. <i>Journal of the Electrochemical Society</i> , 2019, 166, A480-A486.	1.3	75
1331	A physically crosslinked, self-healing hydrogel electrolyte for nano-wire PANI flexible supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 367, 139-148.	6.6	119
1332	Quantitative characterization of a voltage-dependent pseudocapacitance on heteroatom-enriched nanoporous carbons. <i>Electrochimica Acta</i> , 2019, 302, 71-77.	2.6	8
1333	Pomegranate-like MoC@C composites as stable anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 786, 284-291.	2.8	14
1334	Nanostructured Metal Oxides for Supercapacitor Applications. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 247-303.	0.3	5
1335	Robust rope supercapacitor constructed by programmed graphene composite fibers with high and stable performance. <i>Carbon</i> , 2019, 146, 329-336.	5.4	18
1336	Thermal-induced interlayer defect engineering toward super high-performance sodium ion capacitors. <i>Nano Energy</i> , 2019, 59, 17-25.	8.2	36
1337	Towards establishing standard performance metrics for batteries, supercapacitors and beyond. <i>Chemical Society Reviews</i> , 2019, 48, 1272-1341.	18.7	824
1338	Superior Sodium Storage of Carbon-Coated NaV ₆ O ₁₅ Nanotube Cathode: Pseudocapacitance Versus Intercalation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10631-10641.	4.0	35
1339	An Aqueous Dual-Ion Battery Cathode of Mn ₃ O ₄ via Reversible Insertion of Nitrate. <i>Angewandte Chemie</i> , 2019, 131, 5340-5345.	1.6	16
1340	Constructing metallic zinc-cobalt sulfide hierarchical core-shell nanosheet arrays derived from 2D metal-organic-frameworks for flexible asymmetric supercapacitors with ultrahigh specific capacitance and performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7138-7150.	5.2	82

#	ARTICLE	IF	CITATIONS
1341	LiFePO ₄ Particles Embedded in Fast Bifunctional Conductor rGO&C@Li ₃ V ₂ (PO ₄) ₃ Nanosheets as Cathodes for High-Performance Li-Ion Hybrid Capacitors. <i>Advanced Functional Materials</i> , 2019, 29, 1807895.	7.8	42
1342	Carbon-Coated MoSe ₂ /MXene Hybrid Nanosheets for Superior Potassium Storage. <i>ACS Nano</i> , 2019, 13, 3448-3456.	7.3	372
1343	MoNb ₁₂ O ₃₃ as a new anode material for high-capacity, safe, rapid and durable Li ⁺ storage: structural characteristics, electrochemical properties and working mechanisms. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6522-6532.	5.2	157
1344	Perovskite KNi _{0.1} Co _{0.9} F ₃ as a pseudocapacitive conversion anode for high-performance nonaqueous Li-ion capacitors and dual-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8315-8326.	5.2	43
1345	Prussian White Hierarchical Nanotubes with Surface-Controlled Charge Storage for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1806405.	7.8	124
1346	Voltage-Control of Magnetism in All-Solid-State and Solid/Liquid Magnetoelectric Composites. <i>Advanced Materials</i> , 2019, 31, e1806662.	11.1	82
1347	Co-B Nanoflakes as Multifunctional Bridges in ZnCo ₂ O ₄ Micro-Nanospheres for Superior Lithium Storage with Boosted Kinetics and Stability. <i>Advanced Energy Materials</i> , 2019, 9, 1803612.	10.2	114
1348	Tailored synthesis of antimony-based alloy/oxides nanosheets for high-performance sodium-ion battery anodes. <i>Journal of Power Sources</i> , 2019, 414, 470-478.	4.0	17
1349	Cation-exchange synthesis of manganese vanadate nanosheets and its application in lithium-ion battery. <i>Journal of Solid State Chemistry</i> , 2019, 273, 287-294.	1.4	27
1350	Nano/Microstructured Silicon-Graphite Composite Anode for High-Energy-Density Li-Ion Battery. <i>ACS Nano</i> , 2019, 13, 2624-2633.	7.3	219
1351	Hierarchical N/S co-doped carbon anodes fabricated through a facile ionothermal polymerization for high-performance sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6363-6373.	5.2	57
1352	Beyond Activated Carbon: Graphite-Cathode-Derived Li-Ion Pseudocapacitors with High Energy and High Power Densities. <i>Advanced Materials</i> , 2019, 31, e1807712.	11.1	67
1353	Comparison of Charge Storage Properties of Prussian Blue Analogues Containing Cobalt and Copper. <i>Metals</i> , 2019, 9, 1343.	1.0	1
1354	Electrical conductivity inversion for Nb ₂ O ₅ nanostructure thin films at different temperatures. <i>Materials Research Express</i> , 2019, 6, 126459.	0.8	34
1355	Hierarchical Composite of Rose-Like VS ₂ @S/N-Doped Carbon with Expanded (001) Planes for Superior Li-Ion Storage. <i>Small</i> , 2019, 15, e1903904.	5.2	64
1356	V3S4 Nanosheets Anchored on N, S Co-Doped Graphene with Pseudocapacitive Effect for Fast and Durable Lithium Storage. <i>Nanomaterials</i> , 2019, 9, 1638.	1.9	18
1357	Rational design of Ni/Ni ₂ P heterostructures encapsulated in 3D porous carbon networks for improved lithium storage. <i>Dalton Transactions</i> , 2019, 48, 16000-16007.	1.6	7
1358	A long-cycle and high-rate Si/SiO _x /nitrogen-doped carbon composite as an anode material for lithium-ion batteries. <i>New Journal of Chemistry</i> , 2019, 43, 18220-18228.	1.4	15

#	ARTICLE	IF	CITATIONS
1359	Surfacing amorphous Ni ²⁺ B nanoflakes on NiCo ₂ O ₄ nanospheres as multifunctional bridges for promoting lithium storage behaviors. <i>Nanoscale</i> , 2019, 11, 22550-22558.	2.8	20
1360	Zinc niobate materials: crystal structures, energy-storage capabilities and working mechanisms. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25537-25547.	5.2	63
1361	Dual-doped hierarchical porous carbon derived from biomass for advanced supercapacitors and lithium ion batteries. <i>RSC Advances</i> , 2019, 9, 32382-32394.	1.7	32
1362	Improved pseudocapacitive charge storage in highly ordered mesoporous TiO ₂ /carbon nanocomposites as high-performance Li-ion hybrid supercapacitor anodes. <i>RSC Advances</i> , 2019, 9, 37882-37888.	1.7	9
1363	Ball-milling synthesis of ultrafine Na _y FexMn _{1-x} [Fe(CN) ₆] as high-performance cathode in sodium-ion batteries. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	19
1364	Unraveling the Na-ion storage performance of a vertically aligned interlayer-expanded two-dimensional MoS ₂ @C@MoS ₂ heterostructure. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24557-24568.	5.2	60
1365	An intercalation pseudocapacitance-driven perovskite NaNbO ₃ anode with superior kinetics and stability for advanced lithium-based dual-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22884-22888.	5.2	43
1366	Ultrafine Co _{1-x} S Attached to Porous Interconnected Carbon Skeleton for Sodium-Ion Batteries. <i>Langmuir</i> , 2019, 35, 16487-16495.	1.6	28
1367	Ti ²⁺ Based Oxide Anode Materials for Advanced Electrochemical Energy Storage: Lithium/Sodium Ion Batteries and Hybrid Pseudocapacitors. <i>Small</i> , 2019, 15, e1904740.	5.2	121
1368	Three-Dimensional Monolithic Organic Battery Electrodes. <i>ACS Nano</i> , 2019, 13, 14357-14367.	7.3	22
1369	Towards fast-charging technologies in Li ⁺ /Na ⁺ storage: from the perspectives of pseudocapacitive materials and non-aqueous hybrid capacitors. <i>Nanoscale</i> , 2019, 11, 19225-19240.	2.8	44
1370	Cable-like heterogeneous porous carbon fibers with ultrahigh-rate capability and long cycle life for fast charging lithium-ion storage devices. <i>Nanoscale</i> , 2019, 11, 20893-20902.	2.8	1
1371	Rod-like anhydrous V ₂ O ₅ assembled by tiny nanosheets as a high-performance cathode material for aqueous zinc-ion batteries. <i>RSC Advances</i> , 2019, 9, 30556-30564.	1.7	46
1372	MoS ₂ /carbon composites prepared by ball-milling and pyrolysis for the high-rate and stable anode of lithium ion capacitors. <i>RSC Advances</i> , 2019, 9, 42316-42323.	1.7	16
1373	An advanced cathode material for high-power Li-ion storage full cells with a long lifespan. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22444-22452.	5.2	1
1374	Micropipette Contact Method to Investigate High-Energy Cathode Materials by using an Ionic Liquid. <i>ChemElectroChem</i> , 2019, 6, 195-201.	1.7	25
1375	Two-dimensional porous carbon-coated sandwich-like mesoporous SnO ₂ /graphene/mesoporous SnO ₂ nanosheets towards high-rate and long cycle life lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 361, 329-341.	6.6	152
1376	Synthesis of T-Nb ₂ O ₅ thin-films deposited by Atomic Layer Deposition for miniaturized electrochemical energy storage devices. <i>Energy Storage Materials</i> , 2019, 16, 581-588.	9.5	40

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1377	Facile synthesis of hierarchical lychee-like Zn ₃ V ₃ O ₈ @C/rGO nanospheres as high-performance anodes for lithium ion batteries. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 627-635.	5.0	33
1378	Rational design of few-layered ReS ₂ nanosheets/N-doped mesoporous carbon nanocomposites for high-performance pseudocapacitive lithium storage. <i>Chemical Engineering Journal</i> , 2019, 356, 1052-1061.	6.6	19
1379	Fe ₃ O ₄ nanorods in N-doped carbon matrix with pseudo-capacitive behaviors as an excellent anode for subzero lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 772, 557-564.	2.8	42
1380	Pseudocapacitance behavior on Fe ₃ O ₄ -pillared SiO _x microsphere wrapped by graphene as high performance anodes for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 355, 805-814.	6.6	85
1381	Cornlike ordered N-doped carbon coated hollow Fe ₃ O ₄ by magnetic self-assembly for the application of Li-ion battery. <i>Chemical Engineering Journal</i> , 2019, 356, 746-755.	6.6	76
1382	Silver nanowire/nickel hydroxide nanosheet composite for a transparent electrode and all-solid-state supercapacitor. <i>Nanoscale Advances</i> , 2019, 1, 140-146.	2.2	38
1383	Pseudocapacitive Co ₉ S ₈ /graphene electrode for high-rate hybrid supercapacitors. <i>Carbon</i> , 2019, 141, 134-142.	5.4	110
1384	Boosting the cycling stability of transition metal compounds-based supercapacitors. <i>Energy Storage Materials</i> , 2019, 16, 545-573.	9.5	489
1385	Defect engineering activating (Boosting) zinc storage capacity of MoS ₂ . <i>Energy Storage Materials</i> , 2019, 16, 527-534.	9.5	199
1386	Synthesis of K _{0.25} V ₂ O ₅ hierarchical microspheres as a high-rate and long-cycle cathode for lithium metal batteries. <i>Journal of Alloys and Compounds</i> , 2019, 772, 852-860.	2.8	14
1387	Co ₉ S ₈ @carbon yolk-shell nanocages as a high performance direct conversion anode material for sodium ion batteries. <i>Energy Storage Materials</i> , 2019, 18, 51-58.	9.5	89
1388	Hierarchical architecture of coupling graphene and 2D WS ₂ for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2019, 298, 313-320.	2.6	67
1389	Ultrafine polycrystalline titania nanofibers for superior sodium storage. <i>Journal of Energy Chemistry</i> , 2019, 38, 153-161.	7.1	4
1390	Understanding the Lithium Storage Mechanism of Ti ₃ C ₂ T _x MXene. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1099-1109.	1.5	115
1391	Multiple templates fabrication of hierarchical porous carbon for enhanced rate capability in potassium-ion batteries. <i>Materials Today Energy</i> , 2019, 11, 182-191.	2.5	39
1392	Single entity electrochemistry for the elucidation of lithiation kinetics of TiO ₂ particles in non-aqueous batteries. <i>Nano Energy</i> , 2019, 57, 827-834.	8.2	16
1393	Assembling 2D MXenes into Highly Stable Pseudocapacitive Electrodes with High Power and Energy Densities. <i>Advanced Materials</i> , 2019, 31, e1806931.	11.1	238
1394	One-Step In Situ Formation of N-doped Carbon Nanosheet 3D Porous Networks/TiO ₂ Hybrids with Ultrafast Sodium Storage. <i>Advanced Energy Materials</i> , 2019, 9, 1803070.	10.2	55

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1395	Pseudocapacitive Graphene-Wrapped Porous VO ₂ Microspheres for Ultrastable and Ultrahigh-Rate Sodium-Ion Storage. <i>ChemElectroChem</i> , 2019, 6, 1400-1406.	1.7	7
1396	High-mass loading electrodes with exceptional areal capacitance and cycling performance through a hierarchical network of MnO ₂ nanoflakes and conducting polymer gel. <i>Journal of Power Sources</i> , 2019, 412, 655-663.	4.0	27
1397	Boosting the rate capability of multichannel porous TiO ₂ nanofibers with well-dispersed Cu nanodots and Cu ²⁺ -doping derived oxygen vacancies for sodium-ion batteries. <i>Nano Research</i> , 2019, 12, 2211-2217.	5.8	34
1398	Progress and perspective on two-dimensional unilamellar metal oxide nanosheets and tailored nanostructures from them for electrochemical energy storage. <i>Energy Storage Materials</i> , 2019, 19, 281-298.	9.5	34
1399	Hierarchical 3D electrodes for electrochemical energy storage. <i>Nature Reviews Materials</i> , 2019, 4, 45-60.	23.3	554
1400	Mesoporous Sn ₄ P ₃ -graphene aerogel composite as a high-performance anode in sodium ion batteries. <i>Applied Surface Science</i> , 2019, 475, 12-19.	3.1	60
1401	Hybrid energy storage devices: Advanced electrode materials and matching principles. <i>Energy Storage Materials</i> , 2019, 21, 22-40.	9.5	160
1402	Onion-like nanospheres organized by carbon encapsulated few-layer MoS ₂ nanosheets with enhanced lithium storage performance. <i>Journal of Power Sources</i> , 2019, 413, 327-333.	4.0	104
1403	Investigating the Role of Glass and Quartz Substrates on the Formation of Interfacial Droplets. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1151-1159.	1.5	13
1404	Coaxial Carbon Nanotube Supported TiO ₂ @MoO ₂ @Carbon Core-Shell Anode for Ultrafast and High-Capacity Sodium Ion Storage. <i>ACS Nano</i> , 2019, 13, 671-680.	7.3	41
1405	Suppression of Electrochemically Driven Phase Transitions in Nanostructured MoS ₂ Pseudocapacitors Probed Using <i>in Operando</i> X-ray Diffraction. <i>ACS Nano</i> , 2019, 13, 1223-1231.	7.3	36
1406	Monocrystal Cu ₃ Mo ₂ O ₉ Confined in Polyaniline Protective Layer: an Effective Strategy for Promoting Lithium Storage Stability. <i>ChemElectroChem</i> , 2019, 6, 1688-1695.	1.7	12
1407	Nickel vanadate microspheres with numerous nanocavities synthesized by spray drying process as an anode material for Li-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 780, 326-333.	2.8	24
1408	The Charge Storage Mechanisms of 2D Cation-Intercalated Manganese Oxide in Different Electrolytes. <i>Advanced Energy Materials</i> , 2019, 9, 1802707.	10.2	89
1409	Pseudocapacitance contribution to three-dimensional micro-sized silicon@Fe ₃ O ₄ @few-layered graphene for high-rate and long-life lithium ion batteries. <i>Materials Today Communications</i> , 2019, 18, 66-73.	0.9	27
1410	All Hierarchical Core-Shell Heterostructures as Novel Binder-Free Electrode Materials for Ultrahigh-Energy-Density Wearable Asymmetric Supercapacitors. <i>Advanced Science</i> , 2019, 6, 1801379.	5.6	70
1411	Conductive Polypyrrole Coated Hollow NiCo ₂ O ₄ Microspheres as Anode Material with Improved Pseudocapacitive Contribution and Enhanced Conductivity for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 690-699.	1.7	34
1412	Two-dimensional materials for lithium/sodium-ion capacitors. <i>Materials Today Energy</i> , 2019, 11, 30-45.	2.5	88

#	ARTICLE	IF	CITATIONS
1413	Ultrathin Sb ₂ S ₃ nanosheet anodes for exceptional pseudocapacitive contribution to multi-battery charge storage. <i>Energy Storage Materials</i> , 2019, 20, 36-45.	9.5	51
1414	Pseudocapacitive Li-ion storage boosts high-capacity and long-life performance in multi-layer CoFe ₂ O ₄ /rGO/C composite. <i>Nanotechnology</i> , 2019, 30, 045401.	1.3	3
1415	Self-assembled mesoporous Nb ₂ O ₅ as a high performance anode material for rechargeable lithium ion batteries. <i>Materials Research Express</i> , 2019, 6, 035502.	0.8	8
1416	Study on the effect of liquid nitrogen cold-quenching on electrochemical characteristic of TiO ₂ complex flakes with edged-curved derived from MAX as anode for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 780, 482-490.	2.8	6
1417	Quasi-Hodgkin-Huxley Neurons with Leaky Integrate-and-Fire Functions Physically Realized with Memristive Devices. <i>Advanced Materials</i> , 2019, 31, e1803849.	11.1	87
1418	Sulfur and nitrogen enriched graphene foam scaffolds for aqueous rechargeable zinc-iodine battery. <i>Electrochimica Acta</i> , 2019, 296, 755-761.	2.6	102
1419	A Nitrogen-Rich 2D sp ² -Carbon-Linked Conjugated Polymer Framework as a High-Performance Cathode for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 849-853.	7.2	275
1420	Hierarchical NiCo ₂ S ₄ @NiCoP core-shell nanocolumn arrays on nickel foam as a binder-free supercapacitor electrode with enhanced electrochemical performance. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 34-44.	5.0	80
1421	Na ₃ V ₂ (PO ₄) ₃ /N-doped Carbon Nanocomposites with Sandwich Structure for Cheap, Ultrahigh-Rate, and Long-Life Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 2020-2028.	1.7	16
1422	Carbon nanotubes enhanced Sb ₆ O ₁₃ as a new anode material for sodium-ion batteries. <i>Ionics</i> , 2019, 25, 523-531.	1.2	9
1423	Pt-decorated graphene network materials for supercapacitors with enhanced power density. <i>Carbon</i> , 2019, 145, 281-289.	5.4	22
1424	A Facile Approach To Improve Electrochemical Capacitance of Carbons by in Situ Electrochemical Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5999-6008.	4.0	10
1425	Carbon Nanofiber Elastically Confined Nanoflowers: A Highly Efficient Design for Molybdenum Disulfide-Based Flexible Anodes Toward Fast Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5183-5192.	4.0	45
1426	Exploration and Size Engineering from Natural Chalcopyrite to High-Performance Electrode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6154-6165.	4.0	43
1427	Lithium intercalation into bilayer graphene. <i>Nature Communications</i> , 2019, 10, 275.	5.8	136
1428	Constructing surface-driven lithium ion storage structure for high performance hybrid capacitor. <i>Electrochimica Acta</i> , 2019, 299, 163-172.	2.6	23
1429	Thermal analysis and crystal growth of doped Nb ₂ O ₅ . <i>Journal of Crystal Growth</i> , 2019, 509, 60-65.	0.7	7
1430	Approaching the Lithiation Limit of MoS ₂ While Maintaining Its Layered Crystalline Structure to Improve Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3521-3526.	7.2	62

#	ARTICLE	IF	CITATIONS
1431	Graphene oxide wrapped Cu ₃ V ₂ O ₇ (OH) ₂ ·2H ₂ O nanocomposite with enhanced electrochemical performance for lithium-ion storage. <i>Nanotechnology</i> , 2019, 30, 184003.	1.3	3
1432	Flexible Sub-Micro Carbon Fiber@CNTs as Anodes for Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5015-5021.	4.0	69
1433	Vertically Grown Few-Layer MoS ₂ Nanosheets on Hierarchical Carbon Nanocages for Pseudocapacitive Lithium Storage with Ultrahigh-Rate Capability and Long-Term Recyclability. <i>Chemistry - A European Journal</i> , 2019, 25, 3843-3848.	1.7	11
1434	Transition-Metal Oxynitride: A Facile Strategy for Improving Electrochemical Capacitor Storage. <i>Advanced Materials</i> , 2019, 31, e1806088.	11.1	91
1435	Approaching the Lithiation Limit of MoS ₂ While Maintaining Its Layered Crystalline Structure to Improve Lithium Storage. <i>Angewandte Chemie</i> , 2019, 131, 3559-3564.	1.6	18
1436	Chrysanthemum derived hierarchically porous nitrogen-doped carbon as high performance anode material for Lithium/Sodium ion batteries. <i>Powder Technology</i> , 2019, 344, 89-95.	2.1	28
1437	Ultrastable and High-Performance Zn/VO ₂ Battery Based on a Reversible Single-Phase Reaction. <i>Chemistry of Materials</i> , 2019, 31, 699-706.	3.2	227
1438	Inducing [001]-orientation in Nb ₂ O ₅ capsule-nanostructure for promoted Li ⁺ diffusion process. <i>Electrochimica Acta</i> , 2019, 298, 449-458.	2.6	23
1439	A facile strategy toward sodium-ion batteries with ultra-long cycle life and high initial Coulombic Efficiency: Free-standing porous carbon nanofiber film derived from bacterial cellulose. <i>Energy Storage Materials</i> , 2019, 22, 105-112.	9.5	87
1440	LiF Splitting Catalyzed by Dual Metal Nanodomains for an Efficient Fluoride Conversion Cathode. <i>ACS Nano</i> , 2019, 13, 2490-2500.	7.3	27
1441	Pseudocapacitive performance of binder-free nanostructured TT-Nb ₂ O ₅ /FTO electrode in aqueous electrolyte. <i>Nanotechnology</i> , 2019, 30, 025401.	1.3	7
1442	Hierarchical design of hollow Co-Ni LDH nanocages strung by MnO ₂ nanowire with enhanced pseudocapacitive properties. <i>Energy Storage Materials</i> , 2019, 19, 370-378.	9.5	127
1443	3D N-doped hybrid architectures assembled from 0D T-Nb ₂ O ₅ embedded in carbon microtubes toward high-rate Li-ion capacitors. <i>Nano Energy</i> , 2019, 56, 118-126.	8.2	105
1444	Efficient 3D Printed Pseudocapacitive Electrodes with Ultrahigh MnO ₂ Loading. <i>Joule</i> , 2019, 3, 459-470.	11.7	352
1445	Additive-Free Nb ₂ O ₅ ~TiO ₂ Hybrid Anode towards Low-Cost and Safe Lithium-Ion Batteries: A Green Electrode Material Produced in an Environmentally Friendly Process. <i>Batteries and Supercaps</i> , 2019, 2, 160-167.	2.4	9
1446	Highly efficient synthesis of 2D VN nanoparticles/carbon sheet nanocomposites and their application as supercapacitor electrodes. <i>Applied Surface Science</i> , 2019, 466, 982-988.	3.1	25
1447	Mesoporous Nb ₂ O ₅ microspheres with filled and yolk-shell structure as anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 776, 722-730.	2.8	22
1448	Advanced Li-ion hybrid capacitors based on the nanostructured ruthenium oxide on MWCNTs. <i>Applied Surface Science</i> , 2019, 466, 724-729.	3.1	5

#	ARTICLE	IF	CITATIONS
1449	Surface-controlled Nb ₂ O ₅ nanoparticle networks for fast Li transport and storage. <i>Journal of Materials Science</i> , 2019, 54, 2493-2500.	1.7	17
1450	Review on Nanoarchitected Current Collectors for Pseudocapacitors. <i>Small Methods</i> , 2019, 3, 1800341.	4.6	43
1451	N/S codoped carbon microboxes with expanded interlayer distance toward excellent potassium storage. <i>Chemical Engineering Journal</i> , 2019, 358, 1147-1154.	6.6	112
1452	Synergistic Coupling of Ether Electrolyte and 3D Electrode Enables Titanates with Extraordinary Coulombic Efficiency and Rate Performance for Sodium-Ion Capacitors. <i>Small Methods</i> , 2019, 3, 1800371.	4.6	41
1453	A 3D Porous MgFe ₂ O ₄ Integrative Electrode as a Binder-Free Anode with High Rate Capability and Long Cycle Lifetime. <i>ChemElectroChem</i> , 2019, 6, 757-763.	1.7	6
1454	A High-Performance Dual-Ion Battery Enabled by Conversion-Type Manganese Silicate Anodes with Enhanced Ion Accessibility. <i>ChemElectroChem</i> , 2019, 6, 1040-1046.	1.7	10
1455	Defect-Rich Soft Carbon Porous Nanosheets for Fast and High-Capacity Sodium-Ion Storage. <i>Advanced Energy Materials</i> , 2019, 9, 1803260.	10.2	214
1456	Graphene Network Scaffolded Flexible Electrodes—From Lithium to Sodium Ion Batteries. <i>Springer Theses</i> , 2019, , .	0.0	0
1457	SnS Array for Anode of Na-Ion Battery. <i>Springer Theses</i> , 2019, , 93-115.	0.0	0
1458	Enhancing potassium-ion battery performance by defect and interlayer engineering. <i>Nanoscale Horizons</i> , 2019, 4, 202-207.	4.1	105
1459	Sub-20 nm Carbon Nanoparticles with Expanded Interlayer Spacing for High-Performance Potassium Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 930-939.	4.0	54
1460	Rational Design of Ultrasmall Au Nanoparticles on Fe via Galvanic Replacement Under ~60 °C for Efficient Methanol Oxidation Reaction Catalyst. <i>ACS Applied Energy Materials</i> , 2019, 2, 468-476.	2.5	5
1461	Three-Dimensional Porous Hierarchically Architected Li ₃ VO ₄ Anode Materials for High-Performance Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 354-362.	2.5	19
1462	Exfoliated Triazine-Based Covalent Organic Nanosheets with Multielectron Redox for High-Performance Lithium Organic Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1801010.	10.2	174
1463	Hierarchical MoS ₂ @N-Doped Carbon Hollow Spheres with Enhanced Performance in Sodium Dual-Ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 661-667.	1.7	24
1464	Agglomeration-resistant 2D nanoflakes configured with super electronic networks for extraordinary fast and stable sodium-ion storage. <i>Nano Energy</i> , 2019, 56, 502-511.	8.2	27
1465	Brownian-snowball-mechanism-induced hierarchical cobalt sulfide for supercapacitors. <i>Journal of Power Sources</i> , 2019, 412, 321-330.	4.0	31
1466	Rational Design of Porous TiO ₂ @N-Doped Carbon for High Rate Lithium-Ion Batteries. <i>Energy Technology</i> , 2019, 7, 1800911.	1.8	7

#	ARTICLE	IF	CITATIONS
1467	Flexible iron-doped Sr(OH) ₂ fibre wrapped tuberose for high-performance supercapacitor electrode. <i>Journal of Alloys and Compounds</i> , 2019, 781, 831-841.	2.8	22
1468	Porous iron vanadate nanowire arrays on Ti foil as a high-performance lithium-ion battery. <i>Applied Surface Science</i> , 2019, 465, 1047-1054.	3.1	16
1469	Hierarchically porous carbon cages synthesized through in situ migration of templates. <i>Chinese Chemical Letters</i> , 2020, 31, 303-306.	4.8	9
1470	Mesoporous hollow carbon spheres boosted, integrated high performance aqueous Zn-ion energy storage. <i>Energy Storage Materials</i> , 2020, 25, 858-865.	9.5	289
1471	Oxygen vacancy boosted the electrochemistry performance of Ti ⁴⁺ doped Nb ₂ O ₅ toward lithium ion battery. <i>Applied Surface Science</i> , 2020, 499, 143905.	3.1	38
1472	Uncovering the underlying science behind dimensionality in the potassium battery regime. <i>Energy Storage Materials</i> , 2020, 25, 416-425.	9.5	30
1473	Dandelion-clock-inspired preparation of core-shell TiO ₂ @MoS ₂ composites for high performance sodium ion storage. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152386.	2.8	22
1474	Achieving high energy density and high power density with pseudocapacitive materials. <i>Nature Reviews Materials</i> , 2020, 5, 5-19.	23.3	1,138
1475	Hollow Co ₂ P/Co-carbon-based hybrids for lithium storage with improved pseudocapacitance and water oxidation anodes. <i>Journal of Materials Science and Technology</i> , 2020, 55, 203-211.	5.6	23
1476	Making Fiber-Shaped Ni//Bi Battery Simultaneously with High Energy Density, Power Density, and Safety. <i>Advanced Functional Materials</i> , 2020, 30, 1905971.	7.8	40
1477	Boron and Nitrogen Co-Doped Trimodal Porous Wood-Derived Carbon for Boosting Capacitive Performance. <i>Energy Technology</i> , 2020, 8, 1900950.	1.8	23
1478	Metal Chalcogenides: Paving the Way for High-Performance Sodium/Potassium-Ion Batteries. <i>Small Methods</i> , 2020, 4, 1900563.	4.6	140
1479	A near-infrared fluorescent pH sensing film for wound milieu pH monitoring. <i>Experimental Dermatology</i> , 2020, 29, 107-111.	1.4	12
1480	MOF-derived hollow Co(Ni)Se ₂ /N-doped carbon composite material for preparation of sodium ion battery anode. <i>Ceramics International</i> , 2020, 46, 4532-4542.	2.3	43
1481	Crystallization evoked surface defects in layered titanates for high-performance sodium storage. <i>Energy Storage Materials</i> , 2020, 25, 537-546.	9.5	14
1482	Constructing enhanced pseudocapacitive Li ⁺ intercalation via multiple ionically bonded interfaces toward advanced lithium storage. <i>Energy Storage Materials</i> , 2020, 24, 138-146.	9.5	30
1483	Formation of hierarchical Fe ₇ Se ₈ nanorod bundles with enhanced sodium storage properties. <i>Journal of Energy Chemistry</i> , 2020, 44, 97-105.	7.1	32
1484	Designing vapor silica-supported sulfur cathode for long-life lithium-sulfur battery. <i>Chemical Engineering Journal</i> , 2020, 382, 122843.	6.6	11

#	ARTICLE	IF	CITATIONS
1485	Electroactivation-induced spinel ZnV ₂ O ₄ as a high-performance cathode material for aqueous zinc-ion battery. <i>Nano Energy</i> , 2020, 67, 104211.	8.2	75
1486	One-pot solvothermal synthesis of CoNi ₂ S ₄ /reduced graphene oxide (rGO) nanocomposites as anode for sodium-ion batteries. <i>Ionics</i> , 2020, 26, 213-221.	1.2	9
1487	Ultrafast lithium-ion capacitors for efficient storage of energy generated by triboelectric nanogenerators. <i>Energy Storage Materials</i> , 2020, 24, 297-303.	9.5	29
1488	Confined seeds derived sodium titanate/graphene composite with synergistic storage ability toward high performance sodium ion capacitors. <i>Chemical Engineering Journal</i> , 2020, 379, 122418.	6.6	23
1489	VS ₄ -Decorated Carbon Nanotubes for Lithium Storage with Pseudocapacitance Contribution. <i>ChemSusChem</i> , 2020, 13, 1637-1644.	3.6	32
1490	Giant two-dimensional titania sheets for constructing a flexible fiber sodium-ion battery with long-term cycling stability. <i>Energy Storage Materials</i> , 2020, 24, 504-511.	9.5	22
1491	Recent advances in graphene based materials as anode materials in sodium-ion batteries. <i>Journal of Energy Chemistry</i> , 2020, 42, 91-107.	7.1	94
1492	Novel hierarchically branched CoC ₂ O ₄ @CoO/Co composite arrays with superior lithium storage performance. <i>Energy Storage Materials</i> , 2020, 24, 362-372.	9.5	31
1493	Battery-type graphene/BiOBr composite for high-performance asymmetrical supercapacitor. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152087.	2.8	39
1494	A flexible and free-standing FeS/sulfurized polyacrylonitrile hybrid anode material for high-rate sodium-ion storage. <i>Chemical Engineering Journal</i> , 2020, 385, 123453.	6.6	54
1495	Layer-structured niobium oxides and their analogues for advanced hybrid capacitors. <i>Chemical Engineering Journal</i> , 2020, 391, 123489.	6.6	51
1496	Fe-Doped CoP Flower-Like Microstructure on Carbon Membrane as Integrated Electrode with Enhanced Sodium Ion Storage. <i>Chemistry - A European Journal</i> , 2020, 26, 1298-1305.	1.7	42
1497	Carbon-coated Li ₃ VO ₄ with optimized structure as high capacity anode material for lithium-ion capacitors. <i>Chinese Chemical Letters</i> , 2020, 31, 2225-2229.	4.8	29
1498	Construction of T-Nb ₂ O ₅ nanoparticles on/in N-doped carbon hollow tubes for Li-ion hybrid supercapacitors. <i>Electrochimica Acta</i> , 2020, 330, 135204.	2.6	58
1499	Porous N-doped carbon nanoflakes supported hybridized SnO ₂ /Co ₃ O ₄ nanocomposites as high-performance anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 546-554.	5.0	33
1500	Formation of Nitrogen-Doped Carbon-Coated CoP Nanoparticles Embedded within Graphene Oxide for Lithium-Ion Batteries Anode. <i>Energy Technology</i> , 2020, 8, 1901089.	1.8	22
1501	Advanced Materials for Sodium-Ion Capacitors with Superior Energy-Power Properties: Progress and Perspectives. <i>Small</i> , 2020, 16, e1902843.	5.2	45
1502	Highly efficient, fast and reversible multi-electron reaction of Na ₃ MnTi(PO ₄) ₃ cathode for sodium-ion batteries. <i>Energy Storage Materials</i> , 2020, 26, 325-333.	9.5	128

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1503	Robust three-dimensional porous rGO aerogel anchored with ultra-fine γ -Fe ₂ O ₃ nanoparticles exhibit dominated pseudocapacitance behavior for superior lithium storage. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152627.	2.8	25
1504	Embedded coral reef sponge like structured Al(OH) ₃ /FeOOH composite for flexible solid-state symmetric supercapacitor. <i>Journal of Power Sources</i> , 2020, 445, 227304.	4.0	29
1505	A dual-carbon-anchoring strategy to fabricate flexible LiMn ₂ O ₄ cathode for advanced lithium-ion batteries with high areal capacity. <i>Nano Energy</i> , 2020, 67, 104256.	8.2	46
1506	Deciphering an Abnormal Layered Tunnel Heterostructure Induced by Chemical Substitution for the Sodium Oxide Cathode. <i>Angewandte Chemie</i> , 2020, 132, 1507-1511.	1.6	17
1507	Deciphering an Abnormal Layered Tunnel Heterostructure Induced by Chemical Substitution for the Sodium Oxide Cathode. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1491-1495.	7.2	78
1508	Rational construction and decoration of Fe _{0.5} Nb _{24.5} O ₆₂ @C nanowires as superior anode material for lithium storage. <i>Chemical Engineering Journal</i> , 2020, 384, 123314.	6.6	16
1509	Designing 3D Biomorphic Nitrogen-Doped MoSe ₂ /Graphene Composites toward High-Performance Potassium-Ion Capacitors. <i>Advanced Functional Materials</i> , 2020, 30, 1903878.	7.8	171
1510	Laser-Assisted Fabrication of Pseudo-hexagonal Phase Niobium Pentoxide Nanopillars for Lithium Ion Battery Anodes. <i>ChemNanoMat</i> , 2020, 6, 73-78.	1.5	11
1511	A novel MoS ₂ @C framework architecture composites with three-dimensional cross-linked porous carbon supporting MoS ₂ nanosheets for sodium storage. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152821.	2.8	33
1512	New Anthraquinone-Based Conjugated Microporous Polymer Cathode with Ultrahigh Specific Surface Area for High-Performance Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1908074.	7.8	91
1513	Tetragonal MF ₂ (M=Ni, Co) micro/nanocrystals anodes for lithium/sodium-ion capacitors. <i>Electrochimica Acta</i> , 2020, 329, 135138.	2.6	24
1514	Well-designed nanosheet-constructed porous CoMoS ₄ arrays for ultrahigh-performance supercapacitors. <i>Ceramics International</i> , 2020, 46, 4878-4888.	2.3	36
1515	Vanadium-Based Nanomaterials: A Promising Family for Emerging Metal-Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1904398.	7.8	262
1516	N/O Dual-Doped Environment-Friendly Hard Carbon as Advanced Anode for Potassium-Ion Batteries. <i>Advanced Science</i> , 2020, 7, 1902547.	5.6	208
1517	Ferroconcrete-inspired design of a nonwoven graphene fiber fabric reinforced electrode for flexible fast-charging sodium ion storage devices. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2777-2788.	5.2	17
1518	Recent Advances in Two-dimensional Materials for Electrochemical Energy Storage and Conversion. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 10-23.	1.3	41
1519	Nonignorable Influence of Oxygen in Hard Carbon for Sodium Ion Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1497-1506.	3.2	145
1520	Post-annealing tailored 3D cross-linked TiNb ₂ O ₇ nanorod electrode: towards superior lithium storage for flexible lithium-ion capacitors. <i>Science China Materials</i> , 2020, 63, 492-504.	3.5	22

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1521	Facile and scalable synthesis of $\text{Fe}_2\text{O}_3/\text{Fe}_3\text{O}_4/\text{Fe/C}$ nanocomposite as advanced anode materials for lithium/sodium ion batteries. <i>Nanotechnology</i> , 2020, 31, 155402.	1.3	7
1522	Electrochromic Niobium Oxide Nanorods. <i>Chemistry of Materials</i> , 2020, 32, 468-475.	3.2	42
1523	Electrode Degradation in Lithium-Ion Batteries. <i>ACS Nano</i> , 2020, 14, 1243-1295.	7.3	484
1524	Two-fold interpenetrated Mn-based metal-organic frameworks (MOFs) as battery-type electrode materials for charge storage. <i>Dalton Transactions</i> , 2020, 49, 411-417.	1.6	85
1525	Asymmetric configuration of pseudocapacitive composite and rGO electrodes for enhanced capacitive deionization. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 392-403.	1.2	25
1526	In situ formation of porous $\text{LiCuVO}_4/\text{LiVO}_3/\text{C}$ nanotubes as a high-capacity anode material for lithium ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 340-346.	3.0	19
1527	A hollow neuronal carbon skeleton with ultrahigh pyridinic N content as a self-supporting potassium-ion battery anode. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1216-1224.	2.5	19
1528	A durable $\text{VO}_2(\text{M})/\text{Zn}$ battery with ultrahigh rate capability enabled by pseudocapacitive proton insertion. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1731-1740.	5.2	90
1529	MoC nanoparticle-embedded carbon nanofiber aerogels as flow-through electrodes for highly efficient pseudocapacitive deionization. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1443-1450.	5.2	43
1530	$\text{K}_2\text{Ti}_2\text{O}_5@C$ Microspheres with Enhanced K^+ Intercalation Pseudocapacitance Ensuring Fast Potassium Storage and Long-Term Cycling Stability. <i>Small</i> , 2020, 16, e1906131.	5.2	49
1531	An Ultrafast Conducting Polymer@MXene Positive Electrode with High Volumetric Capacitance for Advanced Asymmetric Supercapacitors. <i>Small</i> , 2020, 16, e1906851.	5.2	186
1532	Highly conductive dodecaborate/MXene composites for high performance supercapacitors. <i>Nano Research</i> , 2020, 13, 196-202.	5.8	52
1533	Synthesis of rich N-doped hierarchically porous carbon flowers for electrochemical energy storage. <i>Diamond and Related Materials</i> , 2020, 102, 107691.	1.8	8
1534	$\text{CoGeO}_2(\text{OH})_2$ hydrangea assembled with 2D nanoplates towards application of lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153295.	2.8	6
1535	Co_3S_4 ultrathin nanosheets entangled on N-doped amorphous carbon coated carbon nanotubes with C-S bonding for high performance Li-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020, 858, 113794.	1.9	13
1536	Optimizing the Void Size of Yolk-Shell $\text{Bi}@C$ Nanospheres for High-Power-Density Sodium-Ion Batteries. <i>Nano Letters</i> , 2020, 20, 758-767.	4.5	129
1537	3D Hierarchically Structured CoS Nanosheets: Li^+ Storage Mechanism and Application of the High-Performance Lithium-Ion Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3709-3718.	4.0	72
1538	Influence of Urea on the Synthesis of NiCo_2O_4 Nanostructure: Morphological and Electrochemical Studies. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2526-2537.	0.9	24

#	ARTICLE	IF	CITATIONS
1539	High-Energy Density Li-Ion Capacitor with Layered SnS ₂ /Reduced Graphene Oxide Anode and BCN Nanosheet Cathode. <i>Advanced Energy Materials</i> , 2020, 10, 1902836.	10.2	84
1540	Porosity- and Graphitization- Controlled Fabrication of Nanoporous Silicon@Carbon for Lithium Storage and Its Conjugation with MXene for Lithium-Metal Anode. <i>Advanced Functional Materials</i> , 2020, 30, 1908721.	7.8	159
1541	Lamellar V ₅ O ₁₂ ·6H ₂ O Nanobelts Coupled with Inert Zn(OH) ₂ ·0.5H ₂ O as Cathode for Aqueous Zn ²⁺ /Nonaqueous Na ⁺ Storage Applications. <i>Energy Technology</i> , 2020, 8, 1901105.	1.8	12
1542	Achieving ultrastable cyclability and pseudocapacitive sodium storage in SnSe quantum-dots sheathed in nitrogen doped carbon nanofibers. <i>Applied Surface Science</i> , 2020, 504, 144455.	3.1	31
1543	Atomic layer deposition and structure optimization of ultrathin Nb ₂ O ₅ films on carbon nanotubes for high-rate and long-life lithium ion storage. <i>Electrochimica Acta</i> , 2020, 331, 135268.	2.6	25
1544	Nitrogen-doped asphaltene-based porous carbon fibers as supercapacitor electrode material with high specific capacitance. <i>Electrochimica Acta</i> , 2020, 330, 135270.	2.6	56
1545	Capacitive and diffusion-controlled mechanism of strontium oxide based symmetric and asymmetric devices. <i>Journal of Energy Storage</i> , 2020, 27, 101056.	3.9	76
1546	Enhanced Ionic/Electronic Transport in Nano-TiO ₂ /Sheared CNT Composite Electrode for Na ⁺ Insertion-based Hybrid Ion-Capacitors. <i>Advanced Functional Materials</i> , 2020, 30, 1908309.	7.8	54
1547	Nitrogen-Doped graphene coated FeS ₂ microsphere composite as high-performance anode materials for sodium-ion batteries enhanced by the chemical and structural synergistic effect. <i>Applied Surface Science</i> , 2020, 505, 144633.	3.1	18
1548	±-MoO ₃ sheets with high exposed plane reinforced by thermal plasma for stable Li-ion storage. <i>Electrochimica Acta</i> , 2020, 334, 135593.	2.6	16
1549	Small graphite nanoflakes as an advanced cathode material for aluminum ion batteries. <i>Chemical Communications</i> , 2020, 56, 1593-1596.	2.2	24
1550	Constructing consistent pore microstructures of bacterial cellulose-derived cathode and anode materials for high energy density sodium-ion capacitors. <i>New Journal of Chemistry</i> , 2020, 44, 1865-1871.	1.4	10
1551	Construction of hierarchical V ₄ C ₃ -MXene/MoS ₂ /C nanohybrids for high rate lithium-ion batteries. <i>Nanoscale</i> , 2020, 12, 1144-1154.	2.8	81
1552	Bio-derived yellow porous TiO ₂ : the lithiation induced activation of an oxygen-vacancy dominated TiO ₂ lattice evoking a large boost in lithium storage performance. <i>Nanoscale</i> , 2020, 12, 746-754.	2.8	9
1553	Porous Sb with three-dimensional Sb nanodendrites as electrode material for high-performance Li/Na-ion batteries. <i>Nanotechnology</i> , 2020, 31, 175401.	1.3	8
1554	SnO ₂ nanoparticles anchored on carbon foam as a freestanding anode for high performance potassium-ion batteries. <i>Energy and Environmental Science</i> , 2020, 13, 571-578.	15.6	143
1555	Enhanced sodium storage kinetics by volume regulation and surface engineering via rationally designed hierarchical porous FeP@C/rGO. <i>Nanoscale</i> , 2020, 12, 4341-4351.	2.8	80
1556	Monodispersed MnOx-CeO ₂ solid solution as superior electrocatalyst for Li ₂ S precipitation and conversion. <i>Chemical Engineering Journal</i> , 2020, 392, 123697.	6.6	46

#	ARTICLE	IF	CITATIONS
1557	Dehydration-triggered electronic structure modulation enables high-performance quasi-solid-state Li-ion capacitors. <i>Chemical Engineering Journal</i> , 2020, 392, 123795.	6.6	4
1558	Roselle-like Zn ₂ Ti ₃ O ₈ /rGO nanocomposite as anode for lithium ion capacitor. <i>Chemical Engineering Journal</i> , 2020, 385, 123881.	6.6	31
1559	Synthesis of hybrid ZIF-derived binary ZnS/CoS composite as high areal-capacitance supercapacitor. <i>Synthetic Metals</i> , 2020, 260, 116262.	2.1	45
1560	Multiporous core-shell structured MnO@N-Doped carbon towards high-performance lithium-ion batteries. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 1837-1845.	3.8	20
1561	Self-assembly engineering toward large-area defect-rich TiO ₂ (B) nanosheets-based free-standing films for high-performance lithium-ion batteries. <i>Journal of Power Sources</i> , 2020, 448, 227458.	4.0	18
1562	Benzoquinone-Based Polyimide Derivatives as High-Capacity and Stable Organic Cathodes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 807-817.	4.0	54
1563	Synthesis of hierarchical porous Co(OH) ₂ /Ni ₂ Mn ₁ O _x composites on Ni foam for high performance battery-supercapacitor hybrid devices. <i>Journal of Alloys and Compounds</i> , 2020, 818, 153350.	2.8	12
1564	In-situ growth of V-shaped CoSe ₂ nanorods on graphene with Co bonding for high-rate and long-life sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 819, 153359.	2.8	37
1565	Constructing MnO ₂ @PPy core-shell nanorods towards enhancing electrochemical behaviors in aqueous zinc ion battery. <i>Materials Letters</i> , 2020, 262, 127180.	1.3	64
1566	Simple synthesis of graphitic nanotube incorporated cobalt nanoparticles for potassium ion batteries. <i>Ceramics International</i> , 2020, 46, 8862-8868.	2.3	13
1567	Dual-Functional Template-Directed Synthesis of MoSe ₂ /Carbon Hybrid Nanotubes with Highly Disordered Layer Structures as Efficient Alkali-Ion Storage Anodes beyond Lithium. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2390-2399.	4.0	41
1568	Dual anionic vacancies on carbon nanofiber threaded MoS ₂ arrays: A free-standing anode for high-performance potassium-ion storage. <i>Energy Storage Materials</i> , 2020, 27, 591-598.	9.5	69
1569	Orthorhombic Nb ₂ O ₅ for Durable High-Rate Anode of Li-Ion Batteries. <i>IScience</i> , 2020, 23, 100767.	1.9	39
1570	Boosting the energy storage performance of cobalt molybdate microspheres constructed from urotropin-induced ultrathin nanosheets. <i>International Journal of Energy Research</i> , 2020, 44, 2196-2207.	2.2	6
1571	Cu-dispersed cobalt oxides as high volumetric capacity anode materials for Li-ion storage. <i>Energy Storage Materials</i> , 2020, 27, 453-458.	9.5	18
1572	Sulfur-Doped Carbon-Wrapped Heterogeneous Fe ₃ O ₄ /Fe ₇ S ₈ /C Nanoplates as Stable Anode for Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , 2020, 3, 344-353.	2.4	25
1573	Freestanding, Hierarchical, and Porous Bilayered Na _x V ₂ O ₅ ·nH ₂ O/rGO/CNT Composites as High-Performance Cathode Materials for Nonaqueous K-Ion Batteries and Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 706-716.	4.0	82
1574	TiN Paper for Ultrafast-Charging Supercapacitors. <i>Nano-Micro Letters</i> , 2020, 12, 3.	14.4	44

#	ARTICLE	IF	CITATIONS
1575	Reviewing the fundamentals of supercapacitors and the difficulties involving the analysis of the electrochemical findings obtained for porous electrode materials. <i>Energy Storage Materials</i> , 2020, 27, 555-590.	9.5	179
1576	Self-Formed Channel Boosts Ultrafast Lithium Ion Storage in Fe ₃ O ₄ @Nitrogen-Doped Carbon Nanocapsule. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 527-537.	4.0	33
1577	Nanoscale Phenomena in Lithium-Ion Batteries. <i>Chemical Reviews</i> , 2020, 120, 6684-6737.	23.0	142
1578	Selenium@Hollow mesoporous carbon composites for high-rate and long-cycling lithium/sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 392, 123676.	6.6	58
1579	Oxygen vacancies enhance the lithium ion intercalation pseudocapacitive properties of orthorhombic niobium pentoxide. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 193-203.	5.0	46
1580	Bi-continuous nanoporous carbon sphere derived from SiOC as high-performance anodes for PIBs. <i>Chemical Engineering Journal</i> , 2020, 381, 122677.	6.6	46
1581	A freestanding nitrogen-doped carbon nanofiber/MoS ₂ nanoflowers with expanded interlayer for long cycle-life lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152835.	2.8	34
1582	Filling few-layer ReS ₂ in hollow mesoporous carbon spheres for boosted lithium/sodium storage properties. <i>Energy Storage Materials</i> , 2020, 26, 457-464.	9.5	28
1583	Fe-Conjugated polyimide-based organic cathodes with extremely-long cycling life for rechargeable magnesium batteries. <i>Energy Storage Materials</i> , 2020, 26, 494-502.	9.5	82
1584	Revealing the activation effects of high valence cobalt in CoMoO ₄ towards highly reversible conversion. <i>Nano Energy</i> , 2020, 68, 104333.	8.2	40
1585	MnO ₂ Nanosheet-Assembled Hollow Polyhedron Grown on Carbon Cloth for Flexible Aqueous Zinc-Ion Batteries. <i>ChemSusChem</i> , 2020, 13, 1537-1545.	3.6	122
1586	Intercalation pseudo-capacitance behavior of few-layered molybdenum sulfide in various electrolytes. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 117-126.	5.0	14
1587	Hollow core-shell structured Si@NiAl-LDH composite as high-performance anode material in lithium-ion batteries. <i>Electrochimica Acta</i> , 2020, 331, 135331.	2.6	24
1588	Metal vacancies abundant Co _{0.6} Fe _{0.4} S ₂ on N-doped porous carbon nanosheets as anode for high performance lithium batteries. <i>Electrochimica Acta</i> , 2020, 330, 135353.	2.6	9
1589	Self-assembly Nb ₂ O ₅ microsphere with hollow and carbon coated structure as high rate capability lithium-ion electrode materials. <i>Electrochimica Acta</i> , 2020, 331, 135364.	2.6	34
1590	Hierarchical Engineering of Porous P ₂ Na _{2/3} Ni _{1/3} Mn _{2/3} O ₂ Nanofibers Assembled by Nanoparticles Enables Superior Sodium-Ion Storage Cathodes. <i>Advanced Functional Materials</i> , 2020, 30, 1907837.	7.8	117
1591	Ionic liquid-assisted hydrothermal synthesis of Ta ₂ O ₅ nanoparticles for lithium-ion battery applications. <i>Ionics</i> , 2020, 26, 1197-1202.	1.2	22
1592	Phenolic resin-based carbon microspheres for potassium ion storage. <i>Applied Surface Science</i> , 2020, 506, 144805.	3.1	10

#	ARTICLE	IF	CITATIONS
1593	Nanointerface-driven pseudocapacitance tuning of TiO ₂ nanosheet anodes for high-rate, ultralong-life and enhanced capacity sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 391, 123598.	6.6	33
1594	MXene derived TiS ₂ nanosheets for high-rate and long-life sodium-ion capacitors. <i>Energy Storage Materials</i> , 2020, 26, 550-559.	9.5	108
1595	Facile Synthesis of Bio-Templated Tubular Co ₃ O ₄ Microstructure and Its Electrochemical Performance in Aqueous Electrolytes. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 3182-3194.	0.9	10
1596	Li ⁺ Insertion in Nanostructured TiO ₂ for Energy Storage. <i>Materials</i> , 2020, 13, 21.	1.3	17
1597	MnS nanoparticles embedded in N,S co-doped carbon nanosheets for superior lithium ion storage. <i>Applied Surface Science</i> , 2020, 508, 145239.	3.1	26
1598	A new dual-ion hybrid energy storage system with energy density comparable to that of ternary lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2571-2580.	5.2	95
1599	In-plane Assembled Single-Crystalline Nb ₂ O ₅ Nanorods Derived from Few-Layered NbCT _x MXene Nanosheets for Advanced Li-Ion Capacitors. <i>Small Methods</i> , 2020, 4, 2000630.	4.6	87
1600	Cr ₂ O ₃ /rGO nanocomposite with excellent electrochemical capacitive properties. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	2
1601	Construction of sandwich-type Co ₉ S ₈ -C anchored on carbonized melamine foam toward lithium-ion battery. <i>Electrochimica Acta</i> , 2020, 363, 137220.	2.6	15
1602	Structural Engineering of SnS ₂ Encapsulated in Carbon Nanoboxes for High-Performance Sodium/Potassium-Ion Batteries Anodes. <i>Small</i> , 2020, 16, e2005023.	5.2	120
1603	In-situ reducing synthesis of MoP@nitrogen-doped carbon nanofibers as an anode material for lithium/sodium-ion batteries. <i>Electrochimica Acta</i> , 2020, 358, 136921.	2.6	20
1604	Zinc Oxide Quantum Dots Embedded Porous Carbon Nanosheets for High-Capacity and Ultrastable Lithium-Ion Battery Anodes. <i>Cell Reports Physical Science</i> , 2020, 1, 100186.	2.8	8
1605	Enhancing the Performance of a Battery-Supercapacitor Hybrid Energy Device Through Narrowing the Capacitance Difference Between Two Electrodes via the Utilization of 2D MOF-Nanosheet-Derived Ni@Nitrogen-Doped-Carbon Core-Shell Rings as Both Negative and Positive Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47482-47489.	4.0	79
1606	Scalable Synthesis of Manganese-Doped Hydrated Vanadium Oxide as a Cathode Material for Aqueous Zinc-Metal Battery. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48542-48552.	4.0	21
1607	Oxide-Based Electrolyte-Gated Transistors for Spatiotemporal Information Processing. <i>Advanced Materials</i> , 2020, 32, e2003018.	11.1	104
1608	Hydrated Mg ₂ V ₅ O ₁₂ Cathode with Improved Storage Performance. <i>Advanced Energy Materials</i> , 2020, 10, 2002128.	10.2	31
1609	Tantalum pentoxide-reduced graphene oxide nanocomposite as a new conversion type anode material having extrinsic pseudocapacitance for electrochemical lithium storage. <i>Journal of Energy Storage</i> , 2020, 32, 101991.	3.9	2
1610	Pyrrhotite Fe _{1-x} S microcubes as a new anode material in potassium-ion batteries. <i>Microsystems and Nanoengineering</i> , 2020, 6, 75.	3.4	12

#	ARTICLE	IF	CITATIONS
1611	Lithium storage performance of coralline-like FeMnO ₃ anode materials prepared by a facile chemical co-precipitation method. <i>Journal of Alloys and Compounds</i> , 2020, 848, 156444.	2.8	15
1612	High energy-density supercapacitor based on a novel conjugated poly (1,4)-phenylene-2,5-dithiophene. <i>Journal of Materials Chemistry A</i> , 2020, 8, 228692.	4.0	23
1613	Enhancing Na-Ion Storage at Subzero Temperature via Interlayer Confinement of Sn ²⁺ . <i>ACS Nano</i> , 2020, 14, 13765-13774.	7.3	22
1614	Modulation of oxygen functional groups and their influence on the supercapacitor performance of reduced graphene oxide. <i>New Journal of Chemistry</i> , 2020, 44, 19022-19027.	1.4	9
1615	Wheat Bran Derived Carbon toward Cost-Efficient and High Performance Lithium Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15898-15905.	3.2	11
1616	Flexible and additive-free organic electrodes for aqueous sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22791-22801.	5.2	20
1617	Honeycomb-like carbon with tunable pore size from bio-oil for supercapacitor. <i>Microporous and Mesoporous Materials</i> , 2020, 309, 110551.	2.2	25
1618	Reduced graphene oxide decorated with crystallized cobalt borate nanoparticles as an anode in lithium ion capacitors. <i>Chemical Physics Letters</i> , 2020, 759, 137964.	1.2	3
1619	Dual redox mediators accelerate the electrochemical kinetics of lithium-sulfur batteries. <i>Nature Communications</i> , 2020, 11, 5215.	5.8	113
1620	Energetic Metal-Organic Frameworks Derived Highly Nitrogen-Doped Porous Carbon for Superior Potassium Storage. <i>Small</i> , 2020, 16, e2002771.	5.2	47
1621	Waste-to-wealth: low-cost hard carbon anode derived from unburned charcoal with high capacity and long cycle life for sodium-ion/lithium-ion batteries. <i>Electrochimica Acta</i> , 2020, 361, 137041.	2.6	51
1622	In situ anchoring MnO nanoparticles on self-supported 3D interconnected graphene scroll framework: A fast kinetics boosted ultrahigh-rate anode for Li-ion capacitor. <i>Energy Storage Materials</i> , 2020, 33, 298-308.	9.5	40
1623	Physicochemical properties and electrochemical hydrogen storage performance of Li ₂ M(WO ₄) ₂ (M = Co, Ni and Cu). <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30029-30041.	3.8	21
1624	Chemical-Combined Ball-Milling Synthesis of Fluorine-Free Porous MXene for High-Performance Lithium Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 10234-10241.	2.5	49
1625	ReS ₂ : A High-Rate Pseudocapacitive Energy Storage Material. <i>ACS Applied Energy Materials</i> , 2020, 3, 10261-10269.	2.5	15
1626	Encapsulation of Se into Hierarchically Porous Carbon Microspheres with Optimized Pore Structure for Advanced Na-Se and K-Se Batteries. <i>ACS Nano</i> , 2020, 14, 13203-13216.	7.3	86
1627	A General Electrodeposition Strategy for Fabricating Ultrathin Nickel Cobalt Phosphate Nanosheets with Ultrahigh Capacity and Rate Performance. <i>ACS Nano</i> , 2020, 14, 14201-14211.	7.3	120
1628	High-power lithium-selenium batteries enabled by atomic cobalt electrocatalyst in hollow carbon cathode. <i>Nature Communications</i> , 2020, 11, 5025.	5.8	187

#	ARTICLE	IF	CITATIONS
1629	Transition metal sulfide-laminated copper wire for flexible hybrid supercapacitor. <i>New Journal of Chemistry</i> , 2020, 44, 18489-18495.	1.4	11
1630	Flexible freestanding all-MXene hybrid films with enhanced capacitive performance for powering a flex sensor. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16649-16660.	5.2	50
1631	Low Crystalline MoS ₂ Nanotubes from MoS ₂ Nanomasks for Lithium Ion Battery Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 7580-7586.	2.4	27
1632	A carbon-coated shuttle-like Fe ₂ O ₃ /Fe ^x S heterostructure derived from metal-organic frameworks with high pseudocapacitance for ultrafast lithium storage. <i>Nanoscale Advances</i> , 2020, 2, 5201-5208.	2.2	9
1633	Gold Nanoparticles Supported on Nb ₂ O ₅ for Low-Temperature CO Oxidation and as Cathode Materials for Li-ion Batteries. <i>Applied Catalysis A: General</i> , 2020, 603, 117747.	2.2	9
1634	Ultrasml SnO ₂ nanocrystals with adjustable density embedded in N-doped hollow mesoporous carbon spheres as anode for Li+/Na+ batteries. <i>Journal of Materials Science</i> , 2020, 55, 14464-14476.	1.7	12
1635	Binder-free hydrogen storage composite Co ₉ S ₈ /rGO: A prospective anode for flexible energy storage device with high energy density. <i>Electrochimica Acta</i> , 2020, 354, 136734.	2.6	8
1636	Synthesis of a zinc ferrite effectively encapsulated by reduced graphene oxide composite anode material for high-rate lithium ion storage. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 723-732.	5.0	21
1637	Probing Mg Intercalation in the Tetragonal Tungsten Bronze Framework V ₄ Nb ₁₈ O ₅₅ . <i>Inorganic Chemistry</i> , 2020, 59, 9783-9797.	1.9	7
1638	A Covalent Organic Framework with Extended π -Conjugated Building Units as a Highly Efficient Recipient for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34990-34998.	4.0	50
1639	Novel MXene-based hierarchically porous composite as superior electrodes for Li-ion storage. <i>Applied Surface Science</i> , 2020, 530, 147214.	3.1	17
1640	Hydrous Nickel-Iron Turnbull's Blue as a High-Rate and Low-Temperature Proton Electrode. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9201-9208.	4.0	49
1641	Interface Engineering between the Metal-Organic Framework Nanocrystal and Graphene toward Ultrahigh Potassium-Ion Storage Performance. <i>ACS Nano</i> , 2020, 14, 10210-10218.	7.3	88
1642	Moss-Covered Rock-like Hybrid Porous Carbons with Enhanced Electrochemical Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3065-3071.	3.2	44
1643	Spring-roll-like Ti ₃ C ₂ MXene/carbon-coated Fe ₃ O ₄ composite as a long-life Li-ion storage material. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3491-3499.	3.0	18
1644	High-Performance Aqueous Zinc-Ion Batteries Realized by MOF Materials. <i>Nano-Micro Letters</i> , 2020, 12, 152.	14.4	141
1645	Superfine MnO ₂ Nanowires with Rich Defects Toward Boosted Zinc Ion Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34949-34958.	4.0	156
1646	Phytic acid-derived Co ₂ P/N-doped carbon nanofibers as flexible free-standing anode for high performance lithium/sodium ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156256.	2.8	15

#	ARTICLE	IF	CITATIONS
1647	Systematic Study of Alkali Cations Intercalated Titanium Dioxide Effect on Sodium and Lithium Storage. <i>Small</i> , 2020, 16, 2001391.	5.2	5
1648	Lithium lanthanum titanate perovskite as an anode for lithium ion batteries. <i>Nature Communications</i> , 2020, 11, 3490.	5.8	121
1649	Ionic-Conducting and Robust Multilayered Solid Electrolyte Interphases for Greatly Improved Rate and Cycling Capabilities of Sodium Ion Full Cells. <i>Advanced Energy Materials</i> , 2020, 10, 2001418.	10.2	44
1650	Promise and reality of practical potassium-based energy storage systems. <i>Engineering Reports</i> , 2020, 2, e12328.	0.9	5
1651	The Dual Capacity Contribution Mechanism of SnSb-Anchored Nitrogen-Doped 3D Reduced Graphene Oxide Enhances the Performance of Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2020, 7, 4663-4671.	1.7	5
1652	Faster hydrogen production in alkaline media. <i>Nature Catalysis</i> , 2020, 3, 967-968.	16.1	10
1653	3D Polyaniline Nanofibers Anchored on Carbon Paper for High-Performance and Light-Weight Supercapacitors. <i>Polymers</i> , 2020, 12, 2705.	2.0	20
1654	Boosting Potassium Storage by Integration Advantageous of Defect Engineering and Spatial Confinement: A Case Study of Sb_2Se_3 . <i>Small</i> , 2020, 16, e2005272.	5.2	43
1655	Effect of Concentration on the Charge Storage Kinetics of Nanostructured MnO ₂ Thin-Film Supercapacitors Synthesized by the Hydrothermal Method. <i>Energies</i> , 2020, 13, 6124.	1.6	40
1656	Hierarchical CoS ₂ /N-Doped Carbon@MoS ₂ Nanosheets with Enhanced Sodium Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54644-54652.	4.0	53
1657	Pseudocapacitive Charge Storage in MXene-V ₂ O ₅ for Asymmetric Flexible Energy Storage Devices. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54791-54797.	4.0	28
1658	Fluorine Triggered Surface and Lattice Regulation in Anatase TiO ₂ Nanocrystals for Ultrafast Pseudocapacitive Sodium Storage. <i>Small</i> , 2020, 16, e2006366.	5.2	31
1659	All-Solid-State Asymmetric Supercapacitors with Novel Ionic Liquid Gel Electrolytes. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3906-3914.	2.0	12
1660	Balancing Gravimetric and Volumetric Performances of Microsized Bi/Graphene Anode toward Practical Sodium Ion Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17327-17334.	3.2	4
1661	Planar Fully Stretchable Lithium-Ion Batteries Based on a Lamellar Conductive Elastomer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53774-53780.	4.0	10
1662	Maximizing ion accessibility in MXene-knotted carbon nanotube composite electrodes for high-rate electrochemical energy storage. <i>Nature Communications</i> , 2020, 11, 6160.	5.8	183
1663	Isometric Thionated Naphthalene Diimides As Organic Cathodes for High Capacity Lithium Batteries. <i>Chemistry of Materials</i> , 2020, 32, 10575-10583.	3.2	26
1664	Laser photonic-reduction stamping for graphene-based micro-supercapacitors ultrafast fabrication. <i>Nature Communications</i> , 2020, 11, 6185.	5.8	93

#	ARTICLE	IF	CITATIONS
1665	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
1666	TiNb ₂ O ₇ and VNb ₉ O ₂₅ of ReO ₃ Type in Hybrid Mg ⁺ Li Batteries: Electrochemical and Interfacial Insights. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25239-25248.	1.5	5
1667	Electron Delocalization and Dissolution ⁺ Restraint in Vanadium Oxide Superlattices to Boost Electrochemical Performance of Aqueous Zinc ⁺ ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001852.	10.2	125
1668	NiMn-Layered Double Hydroxides Chemically Anchored on Ti ₃ C ₂ MXene for Superior Lithium Ion Storage. <i>ACS Applied Energy Materials</i> , 2020, 3, 11119-11130.	2.5	38
1669	Toward High ⁺ Performance Capacitive Potassium ⁺ ion Storage: A Superior Anode Material from Silicon Carbide ⁺ Derived Carbon with a Well ⁺ Developed Pore Structure. <i>Advanced Functional Materials</i> , 2020, 30, 2004348.	7.8	61
1670	True Meaning of Pseudocapacitors and Their Performance Metrics: Asymmetric versus Hybrid Supercapacitors. <i>Small</i> , 2020, 16, e2002806.	5.2	405
1671	Pores enriched CoNiO ₂ nanosheets on graphene hollow fibers for high performance supercapacitor-battery hybrid energy storage. <i>Electrochimica Acta</i> , 2020, 358, 136857.	2.6	9
1672	Low-crystalline Ni/Co-oxyhydroxides nanoarrays on carbon cloth with high mass loading and hierarchical structure as cathode for supercapacitors. <i>Electrochimica Acta</i> , 2020, 357, 136886.	2.6	35
1673	Ionic liquid assisted multi-heteroatom doping in core-shell ZnFe ₂ O ₄ @rGO with highly reversible lithiation/delithiation kinetics. <i>Journal of Alloys and Compounds</i> , 2020, 848, 156593.	2.8	9
1674	Multiscale Hierarchically Engineered Carbon Nanosheets Derived from Covalent Organic Framework for Potassium ⁺ ion Batteries. <i>Small Methods</i> , 2020, 4, 2000159.	4.6	36
1675	High-level N/P co-doped Sn-carbon nanofibers with ultrahigh pseudocapacitance for high-energy lithium-ion and sodium-ion capacitors. <i>Electrochimica Acta</i> , 2020, 359, 136898.	2.6	34
1676	Confining Ultrathin 2D Superlattices in Mesoporous Hollow Spheres Renders Ultrafast and High ⁺ Capacity Na ⁺ ion Storage. <i>Advanced Energy Materials</i> , 2020, 10, 2001033.	10.2	25
1677	Hierarchical graphene@TiO ₂ sponges for sodium-ion storage with high areal capacity and robust stability. <i>Electrochimica Acta</i> , 2020, 355, 136782.	2.6	13
1678	Proton Insertion Promoted a Polyfurfural/MnO ₂ Nanocomposite Cathode for a Rechargeable Aqueous Zn ⁺ MnO ₂ Battery. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36072-36081.	4.0	89
1679	Carbon coated 3D Nb ₂ O ₅ hollow nanospheres with superior performance as an anode for high energy Li-ion capacitors. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4868-4877.	2.5	12
1680	3D porous Li ₃ VO ₄ @C composite anodes with ultra-high rate capacity for lithium-ion capacitors. <i>Electrochimica Acta</i> , 2020, 355, 136819.	2.6	19
1681	A graphene-covalent organic framework hybrid for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2020, 32, 448-457.	9.5	103
1682	Molecular Ligand ⁺ Mediated Assembly of Multicomponent Nanosheet Superlattices for Compact Capacitive Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20628-20635.	7.2	59

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1683	Molecular Ligand-Mediated Assembly of Multicomponent Nanosheet Superlattices for Compact Capacitive Energy Storage. <i>Angewandte Chemie</i> , 2020, 132, 20809-20816.	1.6	13
1684	Amorphous cobalt sulfide/N-doped carbon core/shell nanoparticles as an anode material for potassium-ion storage. <i>Journal of Materials Science</i> , 2020, 55, 15213-15221.	1.7	12
1685	Enhanced sodium storage kinetics of nitrogen rich cellulose-derived hierarchical porous carbon via subsequent boron doping. <i>Applied Surface Science</i> , 2020, 531, 147302.	3.1	23
1686	VO ₂ @Carbon foam as a freestanding anode material for potassium-ion batteries: First principles and experimental study. <i>Journal of Alloys and Compounds</i> , 2020, 845, 156232.	2.8	14
1687	Phytic acid assisted formation of P-doped hard carbon anode with enhanced capacity and rate capability for lithium ion capacitors. <i>Journal of Power Sources</i> , 2020, 474, 228500.	4.0	45
1688	High-Performance Anti-freezing Flexible Zn-MnO ₂ Battery Based on Polyacrylamide/Graphene Oxide/Ethylene Glycol Gel Electrolyte. <i>Frontiers in Chemistry</i> , 2020, 8, 603.	1.8	45
1689	Recent progress on FeS ₂ as anodes for metal-ion batteries. <i>Rare Metals</i> , 2020, 39, 1239-1255.	3.6	77
1690	Single-site pyrrolic-nitrogen-doped sp ² -hybridized carbon materials and their pseudocapacitance. <i>Nature Communications</i> , 2020, 11, 3884.	5.8	152
1691	Assembling free-standing and aligned tungstate/MXene fiber for flexible lithium and sodium-ion batteries with efficient pseudocapacitive energy storage. <i>Energy Storage Materials</i> , 2020, 33, 82-87.	9.5	42
1692	Perspectives for electrochemical capacitors and related devices. <i>Nature Materials</i> , 2020, 19, 1151-1163.	13.3	1,187
1693	Amorphous Metal Oxide Nanosheets Featuring Reversible Structure Transformations as Sodium-Ion Battery Anodes. <i>Cell Reports Physical Science</i> , 2020, 1, 100118.	2.8	29
1694	Hierarchical iron selenide nanoarchitecture as an advanced anode material for high-performance energy storage devices. <i>Electrochimica Acta</i> , 2020, 356, 136833.	2.6	27
1695	Synthesis and Dual-Mode Electrochromism of Anisotropic Monoclinic Nb ₁₂ O ₂₉ Colloidal Nanoplatelets. <i>ACS Nano</i> , 2020, 14, 10068-10082.	7.3	29
1696	Solution-Processed Al ₂ O ₅ Battery. <i>Small</i> , 2020, 16, e2003816.	5.2	4
1697	Review on reliability of supercapacitors in energy storage applications. <i>Applied Energy</i> , 2020, 278, 115436.	5.1	156
1698	A heterojunction of VO(OH) ₂ nanorods onto hemp stem derived carbon for high voltage (1.5 V) symmetric supercapacitors. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5102-5113.	2.5	4
1699	Encapsulating Oxygen-Deficient TiNb ₂₄ O ₆₂ Microspheres by N-Doped Carbon Nanolayer Boosts Capacity and Stability of Lithium-Ion Battery. <i>Batteries and Supercaps</i> , 2020, 3, 1360-1369.	2.4	10
1700	Enhanced Pseudo-Capacitive Contributions to High-Performance Sodium Storage in TiO ₂ /C Nanofibers via Double Effects of Sulfur Modification. <i>Nano-Micro Letters</i> , 2020, 12, 165.	14.4	34

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1701	Ultrafast Li-ion migration in eggshell-inspired 2D@2D dual porous construction towards high rate energy storage. <i>Carbon</i> , 2020, 170, 66-74.	5.4	10
1702	Layer-by-layer assembly of inorganic-organic molybdovanadogermanic (GeMoV)-polyluminal composite electrodes for capacitive charge storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23463-23472.	5.2	22
1703	From energy harvesting to topologically insulating behavior: ABO ₃ -type epitaxial thin films and superlattices. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15575-15596.	2.7	22
1704	High-power lithium-ion capacitor using orthorhombic Nb ₂ O ₅ nanotubes enabled by cellulose-based electrospun scaffolds. <i>Cellulose</i> , 2020, 27, 9991-10006.	2.4	3
1705	A robust spring-like lamellar VO/C nanostructure for high-rate and long-life potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23939-23946.	5.2	15
1706	Large capacity inverse growth in vertically flower-like MoS ₂ nanosheet decorated on N-doped graphene. <i>Journal of Solid State Chemistry</i> , 2020, 292, 121718.	1.4	10
1707	Designing micro/nano hybrid TNT@Î±-Fe ₂ O ₃ composites for high performance supercapacitors. <i>Nano Structures Nano Objects</i> , 2020, 24, 100543.	1.9	5
1708	High-Capacity Li ⁺ Storage through Multielectron Redox in the Fast-Charging Wadsley-Roth Phase (W _{0.2} V _{0.8}) ₃ O ₇ . <i>Chemistry of Materials</i> , 2020, 32, 9415-9424.	3.2	15
1709	Thermally Driven High-Rate Intercalated Pseudocapacitance of Flower-like Architecture of Ultrathin Few Layered Î±-MnO ₂ Nanosheets on Carbon Nano-Onions. <i>ACS Applied Energy Materials</i> , 2020, 3, 11398-11409.	2.5	16
1710	Enhancement of lithium storage capacity and rate performance of Se-modified MnO/Mn ₃ O ₄ hybrid anode material via pseudocapacitive behavior. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 1904-1915.	1.7	17
1711	Electrochemical evidence of the modification of carbon materials with anthraquinone moiety by a Diels Alder process. <i>Electrochimica Acta</i> , 2020, 361, 137027.	2.6	0
1712	Triple perovskite oxide as an advanced pseudocapacitive material: multifarious element approach with an ordered structure. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24013-24023.	5.2	17
1713	Emerging Potassium-Ion Hybrid Capacitors. <i>ChemSusChem</i> , 2020, 13, 5837-5862.	3.6	65
1714	High-Power Energy Storage from Carbon Electrodes Using Highly Acidic Electrolytes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20701-20711.	1.5	3
1715	Binder-Free High-Performance MXene Supercapacitors Fabricated by a Simple Electro Spray Deposition Technique. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000750.	1.9	13
1716	Morphology and crystal structure dependent pseudocapacitor performance of hydrated WO ₃ nanostructures. <i>Materials Advances</i> , 2020, 1, 2492-2500.	2.6	35
1717	Tunable Surface Selenization on MoO ₂ -Based Carbon Substrate for Notably Enhanced Sodium-Ion Storage Properties. <i>Small</i> , 2020, 16, e2001905.	5.2	60
1718	Amorphous TiO ₂ /C Frameworks as Intercalation Pseudocapacitance Anodes for Fast and Durable Sodium Storage. <i>Energy & Fuels</i> , 2020, 34, 13149-13156.	2.5	9

#	ARTICLE	IF	CITATIONS
1719	MOF-derived Co ₉ S ₈ polyhedrons on NiCo ₂ S ₄ nanowires for high-performance hybrid supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4092-4100.	3.0	55
1720	Synergistic engineering of defects and architecture in Co ₃ O ₄ @C nanosheets toward Li/Na ion batteries with enhanced pseudocapacitances. <i>Nano Energy</i> , 2020, 78, 105366.	8.2	86
1721	Permanent Electrochemical Doping of Quantum Dots and Semiconductor Polymers. <i>Advanced Functional Materials</i> , 2020, 30, 2004789.	7.8	7
1722	Niobium-Doped Titanium Dioxide with High Dopant Contents for Enhanced Lithium Ion Storage. <i>ChemElectroChem</i> , 2020, 7, 4016-4023.	1.7	18
1723	Electrode Materials for Supercapacitors: A Review of Recent Advances. <i>Catalysts</i> , 2020, 10, 969.	1.6	269
1724	How to measure and report the capacity of electrochemical double layers, supercapacitors, and their electrode materials. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 3215-3230.	1.2	61
1725	Heterogeneous Structured Bi ₂ S ₃ /MoS ₂ @NC Nanoclusters: Exploring the Superior Rate Performance in Sodium/Potassium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42902-42910.	4.0	75
1726	Understanding Charge Storage in Hydrated Layered Solids MOPO ₄ (M = V, Nb) with Tunable Interlayer Chemistry. <i>ACS Nano</i> , 2020, 14, 13824-13833.	7.3	6
1727	Ultrahigh Areal Capacity Hydrogen Ion Batteries with MoO ₃ Loading Over 90 mg cm ⁻² . <i>Advanced Functional Materials</i> , 2020, 30, 2005477.	7.8	57
1728	Controllable Phosphorylation Strategy for Free-Standing Phosphorus/Nitrogen Cofunctionalized Porous Carbon Monoliths as High-Performance Potassium Ion Battery Anodes. <i>ACS Nano</i> , 2020, 14, 14057-14069.	7.3	67
1729	MOF-derived hollow Co ₄ S ₃ /C nanosheet arrays grown on carbon cloth as the anode for high-performance Li-ion batteries. <i>Dalton Transactions</i> , 2020, 49, 14115-14122.	1.6	18
1730	New Limits for Stability of Supercapacitor Electrode Material Based on Graphene Derivative. <i>Nanomaterials</i> , 2020, 10, 1731.	1.9	20
1731	Pushing the Energy Output and Cycling Lifespan of Potassium Ion Capacitor to High Level through Metal-Organic Framework Derived Porous Carbon Microsheets Anode. <i>Advanced Functional Materials</i> , 2020, 30, 2006561.	7.8	75
1732	Controllable Synthesis of Anatase TiO ₂ Nanosheets Grown on Amorphous TiO ₂ /C Frameworks for Ultrafast Pseudocapacitive Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43813-43823.	4.0	28
1733	Hollow Rutile Cuboid Arrays Grown on Carbon Fiber Cloth as a Flexible Electrode for Sodium Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2002629.	7.8	60
1734	Intercalation Pseudocapacitive Zn ²⁺ Storage with Hydrated Vanadium Dioxide toward Ultrahigh Rate Performance. <i>Advanced Materials</i> , 2020, 32, e1908420.	11.1	168
1735	Atomic Resolution Observation of the Oxidation of Niobium Oxide Nanowires: Implications for Renewable Energy Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 9285-9292.	2.4	4
1736	Anion Solvation Reconfiguration Enables High-Voltage Carbonate Electrolytes for Stable Zn/Graphite Cells. <i>Angewandte Chemie</i> , 2020, 132, 21953-21961.	1.6	11

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1737	Influence of phase variation of $ZnMn_2O_4$ /carbon electrodes on cycling performances of Li-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3657-3666.	3.0	5
1738	Pseudocapacitive Vanadium-based Materials toward High-Rate Sodium-Ion Storage. <i>Energy and Environmental Materials</i> , 2020, 3, 221-234.	7.3	95
1739	Anion Solvation Reconfiguration Enables High-Voltage Carbonate Electrolytes for Stable Zn/Graphite Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21769-21777.	7.2	58
1740	Highly Stable Basswood Porous Carbon Anode Activated by Phosphoric Acid for a Sodium Ion Battery. <i>Energy & Fuels</i> , 2020, 34, 11565-11573.	2.5	18
1741	A stable TiO_2 -graphene nanocomposite anode with high rate capability for lithium-ion batteries. <i>RSC Advances</i> , 2020, 10, 29975-29982.	1.7	24
1742	Hybridizing γ -Type MnO_2 With Lignin-Derived Porous Carbon as a Stable Cathode Material for Aqueous Zn/MnO_2 Batteries. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	13
1743	Interface-Induced Pseudocapacitance in Nonporous Heterogeneous Particles for High Volumetric Sodium Storage. <i>Advanced Functional Materials</i> , 2020, 30, 2002019.	7.8	74
1744	Polyimide@Ketjenblack Composite: A Porous Organic Cathode for Fast Rechargeable Potassium-Ion Batteries. <i>Small</i> , 2020, 16, e2002953.	5.2	40
1745	Tin Nanodots Derived From Sn^{2+} /Graphene Quantum Dot Complex as Pillars into Graphene Blocks for Ultrafast and Ultrastable Sodium-Ion Storage. <i>Small</i> , 2020, 16, 2003557.	5.2	22
1746	Selective Pseudocapacitive Deionization of Calcium Ions in Copper Hexacyanoferrate. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41437-41445.	4.0	43
1747	Niobium Tungsten Oxide in a Green Water-in-Salt Electrolyte Enables Ultra-Stable Aqueous Lithium-Ion Capacitors. <i>Nano-Micro Letters</i> , 2020, 12, 168.	14.4	40
1748	Preparation and Characterization of Nb_xO_y Thin Films: A Review. <i>Coatings</i> , 2020, 10, 1246.	1.2	25
1749	Ultrafine Antimony Nanocrystals/Phosphorus Pitaya-Like Nanocomposites as Anodes for High-Performance Sodium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18535-18544.	3.2	8
1750	Two-Phase Electrochemical Proton Transport and Storage in γ - MoO_3 for Proton Batteries. <i>Cell Reports Physical Science</i> , 2020, 1, 100225.	2.8	40
1751	The storage mechanism difference between amorphous and anatase as supercapacitors. <i>Green Energy and Environment</i> , 2022, 7, 156-164.	4.7	3
1752	Construction of nitrogen-sulfur co-doped porous carbon to boost, integrate Li/Na/K ion storage. <i>Solid State Ionics</i> , 2020, 356, 115451.	1.3	7
1753	Carbon-Coated Self-Assembled Ultrathin $T-Nb_2O_5$ Nanosheets for High-Rate Lithium-Ion Storage with Superior Cycling Stability. <i>ACS Applied Energy Materials</i> , 2020, 3, 12037-12045.	2.5	26
1754	Iron Oxide-Iron Sulfide Hybrid Nanosheets as High-Performance Conversion-Type Anodes for Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 10765-10775.	2.5	20

#	ARTICLE	IF	CITATIONS
1755	Understanding the Mechanism of High Capacitance in Nickel Hexaaminobenzene-Based Conductive Metal-Organic Frameworks in Aqueous Electrolytes. <i>ACS Nano</i> , 2020, 14, 15919-15925.	7.3	46
1756	Preintercalation Strategy in Manganese Oxides for Electrochemical Energy Storage: Review and Prospects. <i>Advanced Materials</i> , 2020, 32, e2002450.	11.1	127
1757	Inherent Impurities in Graphene/Poly(lactic Acid) Filament Strongly Influence on the Capacitive Performance of 3D-Printed Electrode. <i>Chemistry - A European Journal</i> , 2020, 26, 15746-15753.	1.7	34
1758	Hierarchical 3D Oxygenated Cobalt Vanadium Selenide Nanosheets as Advanced Electrode for Flexible Zinc-Cobalt and Zinc-Air Batteries. <i>Small</i> , 2020, 16, e2004661.	5.2	54
1759	Water Chestnut-Derived Slope-Dominated Carbon as a High-Performance Anode for High-Safety Potassium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 11410-11417.	2.5	51
1760	A perspective on MXenes: Their synthesis, properties, and recent applications. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	72
1761	2D Sandwiched Nano Heterostructures Endow MoSe ₂ /TiO ₂ /Graphene with High Rate and Durability for Sodium Ion Capacitor and Its Solid Electrolyte Interphase Dependent Sodiation/Desodiation Mechanism. <i>Small</i> , 2020, 16, e2004457.	5.2	38
1762	Layered CsTi ₂ NbO ₇ based anode materials: Effect of interlayered ions on the electrochemical properties. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108283.	1.8	2
1763	Physical Investigations of Niobium Oxide Nanorod Imploring Laser Radiation. <i>Materials Science Forum</i> , 0, 1002, 211-220.	0.3	19
1764	Metal-Organic Framework-Derived Anode and Polyaniline Chain Networked Cathode with Mesoporous and Conductive Pathways for High Energy Density, Ultrafast Rechargeable, and Long-Life Hybrid Capacitors. <i>Advanced Energy Materials</i> , 2020, 10, 2001851.	10.2	32
1765	Carbon-Coated SnS Nanosheets Supported on Porous Microspheres as Negative Electrode Material for Sodium-Ion Batteries. <i>Energy Technology</i> , 2020, 8, 2000258.	1.8	14
1766	Sodium-ion storage performances of MoS ₂ nanocrystals coated with N-doped carbon synthesized by flame spray pyrolysis. <i>Applied Surface Science</i> , 2020, 523, 146470.	3.1	11
1767	Boosting Pseudocapacitive Performance of KNb ₃ O ₈ Nanorods by Growing on Textile Carbon Cloth and Carbon Layer Coating. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11358-11367.	1.5	12
1768	Lithium-Ion-Based Electrochemical Energy Storage in a Layered Vanadium Formate Coordination Polymer. <i>ChemPlusChem</i> , 2020, 85, 1137-1144.	1.3	3
1769	In-situ electrolytic synthesis and superior lithium storage capability of Ni-NiO/C nanocomposite by sacrificial nickel anode in molten carbonates. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155111.	2.8	11
1770	Direct Electrochemical Deposition of Transparent Metal Oxide Thin Films from Polyoxometalates. <i>Chemistry of Materials</i> , 2020, 32, 4600-4608.	3.2	18
1771	Intercalation pseudocapacitance in electrochemical energy storage: recent advances in fundamental understanding and materials development. <i>Materials Today Advances</i> , 2020, 7, 100072.	2.5	119
1772	Biomass-Derived 3D Interconnected Porous Carbon-Encapsulated Nano-FeS ₂ for High-Performance Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 5589-5596.	2.5	32

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1773	Two-Dimensional Transition Metal Oxide and Hydroxide-Based Hierarchical Architectures for Advanced Supercapacitor Materials. <i>Frontiers in Chemistry</i> , 2020, 8, 390.	1.8	74
1774	Oxygen Vacancy Modulation of Bimetallic Oxynitride Anodes toward Advanced Li-Ion Capacitors. <i>Advanced Functional Materials</i> , 2020, 30, 2000350.	7.8	48
1775	Tuning the Kinetics of Zinc-Ion Insertion/Extraction in V_2O_5 by In Situ Polyaniline Intercalation Enables Improved Aqueous Zinc-Ion Storage Performance. <i>Advanced Materials</i> , 2020, 32, e2001113.	11.1	357
1776	Buckwheat derived nitrogen-rich porous carbon material with a high-performance Na-storage. <i>Journal of Porous Materials</i> , 2020, 27, 1139-1147.	1.3	12
1777	Covalent Encapsulation of Sulfur in a MOF-Derived S, N-Doped Porous Carbon Host Realized via the Vapor-Infiltration Method Results in Enhanced Sodium-Sulfur Battery Performance. <i>Advanced Energy Materials</i> , 2020, 10, 2000931.	10.2	118
1778	Epoxy Resin Enables Facile Scalable Synthesis of CuO/C Nanohybrid Lithium-Ion Battery Anode with Enhanced Electrochemical Performance. <i>ChemistrySelect</i> , 2020, 5, 5479-5487.	0.7	2
1779	Achieving Fast and Stable Lithium/Potassium Storage by In Situ Decorating $FeSe_2$ Nanodots into Three-Dimensional Hierarchical Porous Carbon Networks. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12185-12194.	1.5	19
1780	Electrochemically Induced Structural and Morphological Evolutions in Nickel Vanadium Oxide Hydrate Nanobelts Enabling Fast Transport Kinetics for High-Performance Zinc Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24726-24736.	4.0	47
1781	Ultrathin γ - MnO_2 nanoflakes with Na^{+} intercalation as a high-capacity cathode for aqueous zinc-ion batteries. <i>RSC Advances</i> , 2020, 10, 17702-17712.	1.7	43
1782	Multielectron Redox and Insulator-to-Metal Transition upon Lithium Insertion in the Fast-Charging, Wadsley-Roth Phase PNb_9O_{25} . <i>Chemistry of Materials</i> , 2020, 32, 4553-4563.	3.2	50
1783	Rapid preparation and characterization of oxygen-deficient SnO_2 nanobelts with enhanced Li diffusion kinetics. <i>Journal of Electroanalytical Chemistry</i> , 2020, 871, 114276.	1.9	11
1784	Optimizing Electrochemically Active Surfaces of Carbonaceous Electrodes for Ionogel Based Supercapacitors. <i>Advanced Functional Materials</i> , 2020, 30, 2002053.	7.8	35
1785	Three-Dimensional Topotactic Host Structure-Secured Ultrastable VP-CNO Composite Anodes for Long Lifespan Lithium- and Sodium-Ion Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29218-29227.	4.0	3
1786	Spherical Sb Core/ Nb_2O_5 -C Double-Shell Structured Composite as an Anode Material for Li Secondary Batteries. <i>Energies</i> , 2020, 13, 1999.	1.6	5
1787	Facile synthesis of $FeVO@C$ materials as high-performance composite cathode for lithium-ion hybrid capacitor. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155398.	2.8	10
1788	Breaking the limitation of sodium-ion storage for nanostructured carbon anode by engineering desolvation barrier with neat electrolytes. <i>Nano Energy</i> , 2020, 74, 104895.	8.2	49
1789	$Sr_2Nb_3O_{10}$ nanosheet thin film grown via LB method for high-performance planar-type pseudocapacitor. <i>Applied Surface Science</i> , 2020, 525, 146640.	3.1	5
1790	Oxygen-deficient $BiFeO_3$ -NC nanoflake anodes for flexible battery-supercapacitor hybrid devices with high voltage and long-term stability. <i>Chemical Engineering Journal</i> , 2020, 397, 125524.	6.6	37

#	ARTICLE	IF	CITATIONS
1791	Construction of FeNiP@CoNi-layered double hydroxide hybrid nanosheets on carbon cloth for high energy asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2020, 465, 228293.	4.0	79
1792	Fast charging negative electrodes based on anatase titanium dioxide beads for highly stable Li-ion capacitors. <i>Materials Today Energy</i> , 2020, 16, 100424.	2.5	11
1793	Controllable Synthesis of Nanostructured MnO ₂ as Electrode Material of Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 4815-4823.	0.9	5
1794	Surface controlled pseudo-capacitive reactions enabling ultra-fast charging and long-life organic lithium ion batteries. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4179-4185.	2.5	30
1795	A novel multielement nanocomposite with ultrahigh rate capacity and durable performance for sodium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11598-11606.	5.2	21
1796	Effect of dopant on the morphology and electrochemical performance of Ni _{1-x} Co _x Co ₂ O ₄ (0 = x = 0.8) oxide hierarchical structures. <i>MRS Advances</i> , 2020, 5, 2487-2494.	0.5	10
1797	Tungsten nitride nanoparticles anchored on porous borocarbonitride as high-rate anode for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2020, 399, 125705.	6.6	38
1798	Modulating the defects of graphene blocks by ball-milling for ultrahigh gravimetric and volumetric performance and fast sodium storage. <i>Energy Storage Materials</i> , 2020, 30, 287-295.	9.5	66
1799	Elastic buffer structured Si/C microsphere anodes <i>via</i> polymerization-induced colloid aggregation. <i>Chemical Communications</i> , 2020, 56, 6770-6773.	2.2	20
1800	Flexible fiber-shaped lithium and sodium-ion batteries with exclusive ion transport channels and superior pseudocapacitive charge storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11155-11164.	5.2	9
1801	Bimetal-organic frameworks derived Co/N-doped carbons for lithium-sulfur batteries. <i>Chinese Chemical Letters</i> , 2020, 31, 2347-2352.	4.8	49
1802	A low-strain V ₃ Nb ₁₇ O ₅₀ anode compound for superior Li ⁺ storage. <i>Energy Storage Materials</i> , 2020, 30, 401-411.	9.5	59
1803	Towards excellent electrical conductivity and high-rate capability: A degenerate superlattice Ni ₃ (S) _{1.1} (S ₂) _{0.9} micropylamids electrode. <i>Journal of Alloys and Compounds</i> , 2020, 845, 155590.	2.8	1
1804	Hierarchically porous nitrogen, oxygen-rich carbons derived from filter paper for high-performance lithium ion battery anodes. <i>Powder Technology</i> , 2020, 371, 64-73.	2.1	12
1805	The conversion reaction mechanism of bimetallic Ni-Fe hydroxycarbonate and its encapsulation in carbon nanospheres for achieving excellent Li-ion storage performance. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12124-12133.	5.2	27
1806	Yolk-shell spheres constructed of ultrathin MoSe ₂ nanosheets as a high-performance anode for sodium dual ion batteries. <i>Solid State Ionics</i> , 2020, 353, 115373.	1.3	27
1807	Confining TiO ₂ Nanotubes in PECVD-Enabled Graphene Capsules Toward Ultrafast K-Ion Storage: In Situ TEM/XRD Study and DFT Analysis. <i>Nano-Micro Letters</i> , 2020, 12, 123.	14.4	48
1808	Engineering 3D electron and ion transport channels by constructing sandwiched holey quaternary metal oxide nanosheets for high-performance flexible energy storage. <i>Science China Materials</i> , 2020, 63, 1719-1730.	3.5	7

#	ARTICLE	IF	CITATIONS
1809	Co(OH) ₂ /MXene composites for tunable pseudo-capacitance energy storage. <i>Electrochimica Acta</i> , 2020, 353, 136607.	2.6	34
1810	Optimizing the supercapacitive performance via encasing MOF-derived hollow (Ni,Co)Se ₂ nanocubes into reduced graphene oxide. <i>Chemical Engineering Journal</i> , 2020, 399, 125789.	6.6	71
1811	MXene-Derived Defect-Rich TiO ₂ @rGO as High-Rate Anodes for Full Na Ion Batteries and Capacitors. <i>Nano-Micro Letters</i> , 2020, 12, 128.	14.4	93
1812	MXenes as High-Rate Electrodes for Energy Storage. <i>Trends in Chemistry</i> , 2020, 2, 654-664.	4.4	81
1813	First Exploration on Electrochemical Activation of Low-Cost Albite Mineral for Boosting Lithium Storage Capability. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000057.	2.7	8
1814	Ultra-fast and ultra-long-life Li ion batteries with 3D surface-porous graphene anodes synthesized from CO ₂ . <i>Journal of Materials Chemistry A</i> , 2020, 8, 13385-13392.	5.2	23
1815	SnO ₂ Quantum Dots: Rational Design to Achieve Highly Reversible Conversion Reaction and Stable Capacities for Lithium and Sodium Storage. <i>Small</i> , 2020, 16, e2000681.	5.2	87
1816	Carbon nano-beads collected from candle soot as an anode material with a highly pseudocapacitive Na ⁺ storage capability for dual-ion batteries. <i>Ionics</i> , 2020, 26, 4533-4542.	1.2	9
1817	Interfacing MXene flakes on fiber fabric as an ultrafast electron transport layer for high performance textile electrodes. <i>Energy Storage Materials</i> , 2020, 33, 62-70.	9.5	67
1818	Confinement Growth of Layered WS ₂ in Hollow Beaded Carbon Nanofibers with Synergistic Anchoring Effect to Reinforce Li ⁺ /Na ⁺ Storage Performance. <i>Small</i> , 2020, 16, e2000695.	5.2	35
1819	Rational formation of solid electrolyte interface for high-rate potassium ion batteries. <i>Nano Energy</i> , 2020, 75, 104979.	8.2	55
1820	Binder less-integrated freestanding carbon film derived from pitch as light weight and high-power anode for sodium-ion battery. <i>Electrochimica Acta</i> , 2020, 353, 136566.	2.6	15
1821	An orderly arrangement of layered carbon Nanosheet/TiO ₂ nanosheet stack with superior artificially interfacial lithium pseudocapacity. <i>Journal of Power Sources</i> , 2020, 468, 228363.	4.0	21
1822	Graphene Hydrogel Film Adsorbed with Redox-Active Molecule Toward Energy Storage Device with Improved Energy Density and Unfading Superior Rate Capability. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9896-9905.	3.2	19
1823	SiO ₂ /N-doped graphene aerogel composite anode for lithium-ion batteries. <i>Journal of Materials Science</i> , 2020, 55, 13023-13035.	1.7	43
1824	Lithiation Mechanism Change Driven by Thermally Induced Grain Fining and Its Impact on the Performance of LiMn ₂ O ₄ in Lithium-Ion Batteries. <i>Small</i> , 2020, 16, e2002292.	5.2	17
1825	A chemically stabilized sulfur cathode for lean electrolyte lithium sulfur batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14712-14720.	3.3	102
1826	Recent progress in plant-derived hard carbon anode materials for sodium-ion batteries: a review. <i>Rare Metals</i> , 2020, 39, 1019-1033.	3.6	119

#	ARTICLE	IF	CITATIONS
1827	O/N Coâ€Doped, Layered Porous Carbon with Mesoporosity up to 99â€% for Ultrahighâ€Rate Capability Supercapacitors. Batteries and Supercaps, 2020, 3, 1091-1098.	2.4	14
1828	Understanding the role of crystallographic shear on the electrochemical behavior of niobium oxyfluorides. Journal of Materials Chemistry A, 2020, 8, 12623-12632.	5.2	12
1829	Temperatureâ€Mediated Engineering of Graphdiyne Framework Enabling Highâ€Performance Potassium Storage. Advanced Functional Materials, 2020, 30, 2003039.	7.8	62
1830	A Highâ€Rate and Longâ€Life Rechargeable Battery Operated at âˆ75â€% o C. Batteries and Supercaps, 2020, 3, 1016-1020.	2.4	17
1831	Lowâ€Temperature Charge/Discharge of Rechargeable Battery Realized by Intercalation Pseudocapacitive Behavior. Advanced Science, 2020, 7, 2000196.	5.6	82
1832	Recovery of niobium and tantalum by solvent extraction from Snâ€Taâ€Nb mining tailings. RSC Advances, 2020, 10, 21406-21412.	1.7	29
1833	Marcasite-FeS ₂ @carbon nanodots anchored on 3D cell-like graphenic matrix for high-rate and ultrastable potassium ion storage. Journal of Power Sources, 2020, 469, 228429.	4.0	39
1834	Fast Charging Materials for High Power Applications. Advanced Energy Materials, 2020, 10, 2001128.	10.2	136
1835	Theoretical and Experimental Study on Exciton Properties of TT-, T _r , and H-Nb ₂ O ₅ . Journal of Physical Chemistry C, 2020, 124, 15066-15075.	1.5	19
1836	Evidence for Pseudocapacitance and Faradaic Charge Transfer in High-Mobility Thin-Film Transistors with Solution-Processed Oxide Dielectrics. Journal of Physical Chemistry Letters, 2020, 11, 2765-2771.	2.1	23
1837	Binary mixed molybdenum cobalt sulfide nanosheets decorated on rGO as a high-performance supercapacitor electrode. Nanotechnology, 2020, 31, 275406.	1.3	36
1838	A new spinel high-entropy oxide (Mg _{0.2} Ti _{0.2} Zn _{0.2} Cu _{0.2} Fe _{0.2}) ₃ O ₄ with fast reaction kinetics and excellent stability as an anode material for lithium ion batteries. RSC Advances, 2020, 10, 9736-9744.	1.7	101
1839	Oxygen-functionalized soft carbon nanofibers as high-performance cathode of K-ion hybrid capacitor. Nano Energy, 2020, 72, 104661.	8.2	42
1840	Zero-Dimensional Ordered Sr ₂ CoMoO ₆ Double Perovskite as High-Rate Anion Intercalation Pseudocapacitance. ACS Applied Materials & Interfaces, 2020, 12, 15128-15137.	4.0	46
1841	Characterization methods for supercapacitors. , 2020, , 315-372.		1
1842	Cathodic plasmaâ€induced syntheses of graphene nanosheet/MnO ₂ /WO ₃ architectures and their use in supercapacitors. Electrochimica Acta, 2020, 342, 136043.	2.6	25
1843	3.3 nm-sized TiO ₂ /carbon hybrid spheres endowed with pseudocapacitance-dominated superhigh-rate Li-ion and Na-ion storage. Nanoscale, 2020, 12, 7366-7375.	2.8	7
1844	Pitchâ€Derived Soft Carbon as Stable Anode Material for Potassium Ion Batteries. Advanced Materials, 2020, 32, e2000505.	11.1	216

#	ARTICLE	IF	CITATIONS
1845	Binary metal oxide anode material, VOMoO ₄ /C, with a high capacity and ultralong cycle-life for lithium ion batteries and its multi-electron reaction mechanism. <i>Solid State Ionics</i> , 2020, 348, 115280.	1.3	10
1846	Nano-size porous carbon spheres as a high-capacity anode with high initial coulombic efficiency for potassium-ion batteries. <i>Nanoscale Horizons</i> , 2020, 5, 895-903.	4.1	42
1847	Phosphorus-modulated controllably oxidized carbon nanotube architectures for the ultrahigh energy density of pseudocapacitive capacitors. <i>Electrochimica Acta</i> , 2020, 341, 136044.	2.6	18
1848	Wet-spinning assembly and in situ electrodeposition of carbon nanotube-based composite fibers for high energy density wire-shaped asymmetric supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 298-306.	5.0	42
1849	Molecular Level Assembly for High-Performance Flexible Electrochromic Energy-Storage Devices. <i>ACS Energy Letters</i> , 2020, 5, 1159-1166.	8.8	126
1850	NiFe saponite as a new anode material for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6539-6545.	5.2	9
1851	Emerging 2D-Layered MnPS ₃ /rGO composite as a superior anode for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154775.	2.8	23
1852	NiCo-LDH/Ti ₃ C ₂ MXene hybrid materials for lithium ion battery with high-rate capability and long cycle life. <i>Journal of Energy Chemistry</i> , 2020, 50, 143-153.	7.1	118
1853	Fabrication of nanoporous Ni and NiO via a dealloying strategy for water oxidation catalysis. <i>Journal of Energy Chemistry</i> , 2020, 50, 125-134.	7.1	34
1854	Are MXenes suitable as cathode materials for rechargeable Mg batteries?. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2956-2966.	2.5	22
1855	Red phosphorus confined in hierarchical hollow surface-modified Co ₉ S ₈ for enhanced sodium storage. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2208-2219.	2.5	12
1856	Nanocrystalline coatings and their electrochemical energy storage applications. <i>Functional Materials Letters</i> , 2020, 13, 2030001.	0.7	4
1857	Fast anion intercalation into graphite cathode enabling high-rate rechargeable zinc batteries. <i>Journal of Power Sources</i> , 2020, 457, 227994.	4.0	42
1858	Comparing the Performance of Nb ₂ O ₅ Composites with Reduced Graphene Oxide and Amorphous Carbon in Li ⁺ and Na ⁺ Ion Electrochemical Storage Devices. <i>ChemElectroChem</i> , 2020, 7, 1689-1698.	1.7	23
1859	Facile Synthesis of Bio-Template Tubular MCo ₂ O ₄ (M = Cr, Mn, Ni) Microstructure and Its Electrochemical Performance in Aqueous Electrolyte. <i>Processes</i> , 2020, 8, 343.	1.3	17
1860	Ball milling-derived nanostructured Li ₃ VO ₄ anode with enhanced surface-confined capacitive contribution for lithium ion capacitors. <i>Ionics</i> , 2020, 26, 4129-4140.	1.2	15
1861	Partial Atomic Tin Nanocomplex Pillared Few-Layered Ti ₃ C ₂ T _x MXenes for Superior Lithium-Ion Storage. <i>Nano-Micro Letters</i> , 2020, 12, 78.	14.4	68
1862	Catalyzing the Intercalation Storage Capacity of Aqueous Zinc-Ion Battery Constructed with Zn(II) Preinserted Organo-Vanadyl Hybrid Cathode. <i>ACS Applied Energy Materials</i> , 2020, 3, 3425-3434.	2.5	27

#	ARTICLE	IF	CITATIONS
1863	Morphological Control of Nanostructured V_2O_5 by Deep Eutectic Solvents. ACS Applied Materials & Interfaces, 2020, 12, 18803-18812.	4.0	27
1864	Effect of grain size on electrochemical performance and kinetics of Co_3O_4 electrode materials. Journal of Materials Chemistry A, 2020, 8, 7192-7196.	5.2	47
1865	Flowable sulfur template induced fully interconnected pore structures in graphene artefacts towards high volumetric potassium storage. Nano Energy, 2020, 72, 104729.	8.2	47
1866	Electrophoretic Deposition of Nickel Cobaltite/Polyaniline/rGO Composite Electrode for High-Performance All-Solid-State Asymmetric Supercapacitors. Energy & Fuels, 2020, 34, 6448-6461.	2.5	35
1867	Conversion-Type MnO Nanorods as a Surprisingly Stable Anode Framework for Sodium-Ion Batteries. Advanced Functional Materials, 2020, 30, 2001026.	7.8	27
1868	Efficient Ammonia Electrosynthesis from Nitrate on Strained Ruthenium Nanoclusters. Journal of the American Chemical Society, 2020, 142, 7036-7046.	6.6	542
1869	Alternate Integration of Vertically Oriented $CuSe@FeOOH$ and $CuSe@MnOOH$ Hybrid Nanosheets Frameworks for Flexible In-Plane Asymmetric Micro-supercapacitors. ACS Applied Energy Materials, 2020, 3, 3692-3703.	2.5	35
1870	Addressing the Achilles' heel of pseudocapacitive materials: Long-term stability. Informa Materially, 2020, 2, 807-842.	8.5	135
1871	A binder-free electrode based on Ti_3C_2Tx -rGO aerogel for supercapacitors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 595, 124683.	2.3	45
1872	In-situ pillared MXene as a viable zinc-ion hybrid capacitor. Electrochimica Acta, 2020, 341, 136061.	2.6	76
1873	Biomass-derived mesopore-dominant hierarchical porous carbon enabling ultra-efficient lithium ion storage. Carbon, 2020, 162, 595-603.	5.4	93
1874	Activation-free supercapacitor electrode based on surface-modified $Sr_2CoMo_{1-x}Ni_xO_{6-\delta}$ perovskite. Chemical Engineering Journal, 2020, 390, 124645.	6.6	34
1875	Gas phase synthesis of amorphous silicon nitride nanoparticles for high-energy LIBs. Energy and Environmental Science, 2020, 13, 1212-1221.	15.6	48
1876	Transition metal based battery-type electrodes in hybrid supercapacitors: A review. Energy Storage Materials, 2020, 28, 122-145.	9.5	413
1877	Atomic layer deposition of TiO_2 shells on $CoSe_2$ nanorods towards enhanced lithium storage performance. Journal of Alloys and Compounds, 2020, 829, 154537.	2.8	18
1878	Differentiating Double-Layer, Pseudocapacitance, and Battery-like Mechanisms by Analyzing Impedance Measurements in Three Dimensions. ACS Applied Materials & Interfaces, 2020, 12, 14071-14078.	4.0	64
1879	Metal-Organic Framework Derived CoS_2 Wrapped with Nitrogen-Doped Carbon for Enhanced Lithium/Sodium Storage Performance. ACS Applied Materials & Interfaces, 2020, 12, 12809-12820.	4.0	82
1880	Dual Active Site of the Azo and Carbonyl-Modified Covalent Organic Framework for High-Performance Li Storage. ACS Energy Letters, 2020, 5, 1022-1031.	8.8	156

#	ARTICLE	IF	CITATIONS
1881	Engineering carbon-nanochain concatenated hollow Sn ₄ P ₃ nanospheres architectures as ultrastable and high-rate anode materials for sodium ion batteries. Carbon, 2020, 167, 736-745.	5.4	38
1882	Pseudocapacitance: From Fundamental Understanding to High Power Energy Storage Materials. Chemical Reviews, 2020, 120, 6738-6782.	23.0	1,020
1883	Flower-like MnO ₂ /polyaniline/hollow mesoporous silica as electrode for high-performance all-solid-state supercapacitors. Journal of Alloys and Compounds, 2020, 845, 156192.	2.8	32
1884	Ternary molybdenum sulfoselenide based hybrid nanotubes boost potassium-ion diffusion kinetics for high energy/power hybrid capacitors. Journal of Materials Chemistry A, 2020, 8, 13946-13954.	5.2	46
1885	Operando Identification of the Chemical and Structural Origin of Li-Ion Battery Aging at Near-Ambient Temperature. Journal of the American Chemical Society, 2020, 142, 13406-13414.	6.6	24
1886	Influence of the Perovskite La _{0.8} Sr _{0.2} Mn _{0.5} Co _{0.5} O _{3-δ} on the Electrochemical Performance of the Graphene-Based Supercapacitor. Energies, 2020, 13, 3030.	1.6	7
1887	Heterojunction induced activation of iron oxide anode for high-power aqueous batteries. Chemical Engineering Journal, 2020, 400, 125874.	6.6	21
1888	Strain engineering of two-dimensional multilayered heterostructures for beyond-lithium-based rechargeable batteries. Nature Communications, 2020, 11, 3297.	5.8	134
1889	Water in salt/ionic liquid electrolyte for 2.8 V aqueous lithium-ion capacitor. Science Bulletin, 2020, 65, 1812-1822.	4.3	56
1890	Tracking ion intercalation into layered Ti ₃ C ₂ MXene films across length scales. Energy and Environmental Science, 2020, 13, 2549-2558.	15.6	100
1891	Spatially resolved X-ray absorption spectroscopy investigation of individual cation-intercalated multi-layered Ti ₃ C ₂ MXene particles. Applied Surface Science, 2020, 530, 147157.	3.1	10
1892	Ultra-fast and high-stable near-pseudocapacitance intercalation cathode for aqueous potassium-ion storage. Nano Energy, 2020, 77, 105069.	8.2	32
1893	2D Metal-Organic Frameworks (MOFs) for High-Performance BatCap Hybrid Devices. Small, 2020, 16, e2001987.	5.2	166
1894	Embedded ZnO nanoparticles in N-doped carbon nanoplate arrays grown on N-doped carbon paper as low-cost and lightweight electrodes for high-performance lithium storage. Ceramics International, 2020, 46, 17767-17775.	2.3	7
1895	In-situ synthesis of Fe ₇ S ₈ nanocrystals decorated on N, S-codoped carbon nanotubes as anode material for high-performance lithium-ion batteries. Journal of Colloid and Interface Science, 2020, 579, 699-706.	5.0	19
1896	Hierarchical hollow microspheres Na ₃ V ₂ (PO ₄) ₂ F ₃ @rGO as high-performance cathode materials for sodium ion batteries. New Journal of Chemistry, 2020, 44, 12985-12992.	1.4	25
1897	Enabling Superior Sodium Capture for Efficient Water Desalination by a Tubular Polyaniline Decorated with Prussian Blue Nanocrystals. Advanced Materials, 2020, 32, e1907404.	11.1	168
1898	Core-shell structured CuCo ₂ S ₄ @CoMoO ₄ nanorods for advanced electrode materials. Journal of Alloys and Compounds, 2020, 844, 156133.	2.8	81

#	ARTICLE	IF	CITATIONS
1899	The sandwiched buffer zone enables porous SnO ₂ @C micro-/nanospheres to toward high-performance lithium-ion battery anodes. <i>Electrochimica Acta</i> , 2020, 354, 136699.	2.6	22
1900	Novel Charging-Optimized Cathode for a Fast and High-Capacity Zinc-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10420-10427.	4.0	43
1901	Engineering metal sulfides with hierarchical interfaces for advanced sodium-ion storage systems. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5284-5297.	5.2	42
1902	A Facile Preparation of γ -MnO ₂ as Cathode Material for High-Performance Zinc-Manganese Redox Flow Battery. <i>Journal of the Electrochemical Society</i> , 2020, 167, 040517.	1.3	14
1903	Novel Insoluble Organic Cathodes for Advanced Organic K ⁺ Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2000675.	7.8	110
1904	Nanoporous CoO Nanowire Clusters Grown on Three-Dimensional Porous Graphene Cloth as Free-Standing Anode for Lithium Ion Batteries. <i>ChemElectroChem</i> , 2020, 7, 1573-1580.	1.7	15
1905	One-step hydrothermal synthesis of amorphous CoMoS ₄ /rGO nanocomposites as anode materials with improved cyclability for sodium-ion batteries. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 513-522.	1.5	5
1906	SnO ₂ nano-crystals anchored on N-doped porous carbon with enhanced lithium storage properties. <i>Applied Surface Science</i> , 2020, 515, 145902.	3.1	26
1907	MoS ₂ /N-doped graphene aerogels composite anode for high performance sodium/potassium ion batteries. <i>Electrochimica Acta</i> , 2020, 339, 135932.	2.6	59
1908	Design of Nb ₂ O ₅ /graphene hybrid aerogel as polymer binder-free electrodes for lithium-ion capacitors. <i>Materials Technology</i> , 2020, 35, 625-634.	1.5	18
1909	Biomass-Derived Carbons for Sodium Ion Batteries and Sodium Ion Capacitors. <i>ChemSusChem</i> , 2020, 13, 1275-1295.	3.6	96
1910	Simple electrodeposition of MoO ₃ film on carbon cloth for high-performance aqueous symmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 390, 124477.	6.6	90
1911	Surface engineered carbon-cloth with broadening voltage window for boosted energy density aqueous supercapacitors. <i>Carbon</i> , 2020, 162, 136-146.	5.4	42
1912	Facile and One-Step in Situ Synthesis of Pure Phase Mesoporous Li ₂ MnSiO ₄ /CNTs Nanocomposite for Hybrid Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 2450-2464.	2.5	30
1913	Quasi-1D TiS ₃ : A potential anode for high-performance sodium-ion storage. <i>Chemical Engineering Journal</i> , 2020, 388, 124305.	6.6	14
1914	Intercalation-type electrodes of copper-cobalt oxides for high-energy-density supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2020, 861, 113947.	1.9	7
1915	Intercalation Pseudocapacitive Nanoscale Nickel Hexacyanoferrate@Carbon Nanotubes as a High-Rate Cathode Material for Aqueous Sodium-Ion Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3655-3663.	3.2	39
1916	Controllable Orientation of MoSe ₂ Nanosheets Anchored on Carbon Cloth as Self-Supporting Anodes for Improved Sodium Storage Performance. <i>Journal of the Electrochemical Society</i> , 2020, 167, 020554.	1.3	6

#	ARTICLE	IF	CITATIONS
1917	Superresilient Hard Carbon Nanofabrics for Sodium-Ion Batteries. <i>Small</i> , 2020, 16, e1906883.	5.2	64
1918	Ion pre-intercalation and OER modified carbon fiber paper towards high-performance cathode for dual-ion batteries. <i>Ceramics International</i> , 2020, 46, 13835-13840.	2.3	6
1919	Solid-state symmetric supercapacitor based on Y doped Sr(OH) ₂ using SILAR method. <i>Energy</i> , 2020, 197, 117163.	4.5	16
1920	Interface engineered and surface modulated electrode materials for ultrahigh-energy-density wearable NiCo//Fe batteries. <i>Energy Storage Materials</i> , 2020, 27, 316-326.	9.5	40
1921	Operando Revealing Dynamic Reconstruction of NiCo Carbonate Hydroxide for High-Rate Energy Storage. <i>Joule</i> , 2020, 4, 673-687.	11.7	88
1922	Beyond intercalation-based supercapacitors: The electrochemical oxidation from Mn ₃ O ₄ to Li ₄ Mn ₅ O ₁₂ in Li ₂ SO ₄ electrolyte. <i>Nano Energy</i> , 2020, 71, 104626.	8.2	60
1923	Practical Aqueous Calcium-Ion Battery Full-Cells for Future Stationary Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11489-11503.	4.0	85
1924	Nitrogen Doped Intercalation TiO ₂ /TiN/Ti ₃ C ₂ T _x Nanocomposite Electrodes with Enhanced Pseudocapacitance. <i>Nanomaterials</i> , 2020, 10, 345.	1.9	21
1925	Encapsulation of MnS Nanocrystals into N, S-Co-doped Carbon as Anode Material for Full Cell Sodium-Ion Capacitors. <i>Nano-Micro Letters</i> , 2020, 12, 34.	14.4	42
1926	A carboxylate group-based organic anode for sustainable and stable sodium ion batteries. <i>Journal of Power Sources</i> , 2020, 453, 227904.	4.0	46
1927	Novel Ag configurations decorated CuO hybrid electrode for high-performance asymmetric supercapacitor. <i>Journal of Materials Science</i> , 2020, 55, 6963-6975.	1.7	25
1928	Construction of TiP ₂ O ₇ nanosheets/rGO hierarchical Flower-like heterostructures for superfast and ultralong lithiation/delithiation process. <i>Applied Surface Science</i> , 2020, 513, 145854.	3.1	13
1929	Achieving high capacity and long life of aqueous rechargeable zinc battery by using nanoporous-carbon-supported poly(1,5-naphthalenediamine) nanorods as cathode. <i>Energy Storage Materials</i> , 2020, 28, 64-72.	9.5	105
1930	Approaching High-Performance Supercapacitors via Enhancing Pseudocapacitive Nickel Oxide-Based Materials. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900137.	2.7	49
1931	Super Kinetically Pseudocapacitive MnCo ₂ S ₄ Nanourchins toward High-Rate and Highly Stable Sodium-Ion Storage. <i>Advanced Functional Materials</i> , 2020, 30, 1909702.	7.8	47
1932	Synthesis of High Reversibility Anode Composite Materials Using T-Nb ₂ O ₅ and Coal-Based Graphite for Lithium-Ion Battery Applications. <i>Energy & Fuels</i> , 2020, 34, 3887-3894.	2.5	39
1933	Rational synthesis of marcacite FeS ₂ hollow microspheres for high-rate and long-life sodium ion battery anode. <i>Journal of Alloys and Compounds</i> , 2020, 825, 154173.	2.8	26
1934	A small-strain niobium nitride anode with ordered mesopores for ultra-stable potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3119-3127.	5.2	36

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1935	A high tap density perovskite NaTaO ₃ nanocrystal anode driven by pseudocapacitive conversion/intercalation hybrid mechanisms for advanced Li-ion/dual-ion storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4747-4752.	5.2	17
1936	A Hollow Multi-Shell Structure for Charge Transport and Active Sites in Lithium-Ion Capacitors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4865-4868.	7.2	87
1937	Ultrasml SnS Quantum Dots Anchored onto Nitrogen-Enriched Carbon Nanospheres as an Advanced Anode Material for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7114-7124.	4.0	71
1938	Hybrid Charge-Storage Route to Nb ₂ CT _x MXene as Anode for Sodium-Ion Batteries. <i>ChemistrySelect</i> , 2020, 5, 1186-1192.	0.7	32
1939	Insight into pseudocapacitive-diffusion mixed kinetics and conversion-alloying hybrid mechanisms of low-cost Zn-Mn perovskite fluorides anodes for powerful Li-ion/dual-ion storage. <i>Chemical Engineering Journal</i> , 2020, 388, 124154.	6.6	22
1940	Surface modification of coordination polymers to enable the construction of CoP/N,P-codoped carbon nanowires towards high-performance lithium storage. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 503-512.	5.0	39
1941	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
1942	Pillar-free TiO ₂ /Ti ₃ C ₂ composite with expanded interlayer spacing for high-capacity sodium ion batteries. <i>Journal of Power Sources</i> , 2020, 451, 227756.	4.0	64
1943	Sulfur doping induced anionic oxidation of niobium-pentoxide-based anode for ultralong-life and high energy-density Na-ion capacitors. <i>Journal of Power Sources</i> , 2020, 451, 227744.	4.0	17
1944	Porous nanofibers comprised of hollow SnO ₂ nanoplate building blocks for high-performance lithium ion battery anode. <i>Materials Characterization</i> , 2020, 161, 110099.	1.9	15
1945	3D-Printed Structure Boosts the Kinetics and Intrinsic Capacitance of Pseudocapacitive Graphene Aerogels. <i>Advanced Materials</i> , 2020, 32, e1906652.	11.1	191
1946	Surface-dominated storage of heteroatoms-doping hard carbon for sodium-ion batteries. <i>Energy Storage Materials</i> , 2020, 27, 43-50.	9.5	165
1947	Synthesis of nano-Na ₃ V ₂ (PO ₄) ₂ F ₃ cathodes with excess Na ⁺ intercalation for enhanced capacity. <i>Applied Materials Today</i> , 2020, 19, 100554.	2.3	5
1948	Superior Electrochemical Performance of WNb ₂ O ₈ Nanorods Triggered by Ultra-Efficient Li ⁺ Diffusion. <i>ChemistrySelect</i> , 2020, 5, 1209-1213.	0.7	11
1949	Self-standing MOF-derived LiCoO ₂ nanopolyhedron on Au-coated copper foam as advanced 3D cathodes for lithium-ion batteries. <i>Applied Materials Today</i> , 2020, 19, 100565.	2.3	21
1950	Unique three-dimensional Co ₃ O ₄ @N-CNFs derived from ZIFs and bacterial cellulose as advanced anode for sodium-ion batteries. <i>Applied Surface Science</i> , 2020, 508, 145295.	3.1	33
1951	High-stability monoclinic nickel hexacyanoferrate cathode materials for ultrafast aqueous sodium ion battery. <i>Chemical Engineering Journal</i> , 2020, 388, 124228.	6.6	91
1952	Two-dimensional materials for energy conversion and storage. <i>Progress in Materials Science</i> , 2020, 111, 100637.	16.0	134

#	ARTICLE	IF	CITATIONS
1953	Quantifying Capacitive-Like and Battery-Like Charge Storage Contributions Using Single-Nanoparticle Electro-Optical Imaging. <i>ChemElectroChem</i> , 2020, 7, 753-760.	1.7	10
1954	Colloidal dispersion of Nb ₂ O ₅ /reduced graphene oxide nanocomposites as functional coating layer for polysulfide shuttle suppression and lithium anode protection of Li-S battery. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 11-20.	5.0	27
1955	Fast Zn ²⁺ kinetics of vanadium oxide nanotubes in high-performance rechargeable zinc-ion batteries. <i>Journal of Power Sources</i> , 2020, 451, 227767.	4.0	20
1956	Red phosphorus confined in N-doped multi-cavity mesoporous carbon for ultrahigh-performance sodium-ion batteries. <i>Journal of Power Sources</i> , 2020, 450, 227696.	4.0	22
1957	Understanding Thickness-Dependent Transport Kinetics in Nanosheet-Based Battery Electrodes. <i>Chemistry of Materials</i> , 2020, 32, 1684-1692.	3.2	68
1958	Ecofriendly Chemical Activation of Overlithiated Layered Oxides by DNA-Wrapped Carbon Nanotubes. <i>Advanced Energy Materials</i> , 2020, 10, 1903658.	10.2	5
1959	Porous V ₂ O ₅ yolk-shell microspheres for zinc ion battery cathodes: activation responsible for enhanced capacity and rate performance. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5186-5193.	5.2	119
1960	New insight into the electrodeposition of NiCo layered double hydroxide and its capacitive evaluation. <i>Electrochimica Acta</i> , 2020, 336, 135734.	2.6	33
1961	Advantageous Functional Integration of Adsorption-Intercalation-Conversion Hybrid Mechanisms in 3D Flexible Nb ₂ O ₅ @Hard Carbon@MoS ₂ @Soft Carbon Fiber Paper Anodes for Ultrafast and Super-Stable Sodium Storage. <i>Advanced Functional Materials</i> , 2020, 30, 1908665.	7.8	67
1962	A Hollow Multi-Shelled Structure for Charge Transport and Active Sites in Lithium-Ion Capacitors. <i>Angewandte Chemie</i> , 2020, 132, 4895-4898.	1.6	29
1963	FeP Quantum Dots Confined in Carbon-Nanotube-Grafted P-Doped Carbon Octahedra for High-Rate Sodium Storage and Full-Cell Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1909283.	7.8	143
1964	A 1D Honeycomb-Like Amorphous Zinc Vanadate for Stable and Fast Sodium-Ion Storage. <i>Small</i> , 2020, 16, e1906214.	5.2	27
1965	Decoration of hollow nitrogen-doped carbon nanofibers with tapered rod-shaped NiCo ₂ S ₄ as a 3D structural high-rate and long-lifespan self-supported anode material for potassium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153631.	2.8	32
1966	In situ synthesis of MOF-derived carbon shells for silicon anode with improved lithium-ion storage. <i>Nano Energy</i> , 2020, 70, 104444.	8.2	99
1967	The controlled fabrication of hierarchical CoS ₂ @NiS ₂ core-shell nanocubes by utilizing prussian blue analogue for enhanced capacitive energy storage performance. <i>Journal of Power Sources</i> , 2020, 450, 227712.	4.0	59
1968	Intrinsic energy-storage mechanism of low crystallinity nickel-cobalt sulfide as anode material for supercapacitors. <i>Journal of Power Sources</i> , 2020, 451, 227822.	4.0	38
1969	Thiophene-rich conjugated microporous polymers as anode materials for high performance lithium- and sodium-ion batteries. <i>Solid State Ionics</i> , 2020, 347, 115247.	1.3	18
1970	Enhanced lithium storage for MoS ₂ -based composites via a vacancy-assisted method. <i>Applied Surface Science</i> , 2020, 515, 146103.	3.1	13

#	ARTICLE	IF	CITATIONS
1971	Three-dimensional VS ₄ consisting of uniform nanosheets as excellent anode material for sodium ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155204.	2.8	22
1972	Fabrication strategies for high-rate TiO ₂ nanotube anodes for Li ion energy storage. <i>Journal of Power Sources</i> , 2020, 463, 228205.	4.0	16
1973	Self-adaptive FeP@C nanocages for reversible and long-term lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 395, 125124.	6.6	19
1974	One-Pot Synthesis and Characterization of VO ₂ (B) with a Large Voltage Window Electrochemical Performance in Aqueous Solution. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2742.	1.3	2
1975	NaTi ₂ (PO ₄) ₃ /N-Doped Hard Carbon Nanocomposites with Sandwich Structure for High-Performance Na-Ion Full Batteries. <i>ChemElectroChem</i> , 2020, 7, 1598-1609.	1.7	8
1976	Ultrathin hybrid nanobelts of single-crystalline VO ₂ and Poly(3,4-ethylenedioxythiophene) as cathode materials for aqueous zinc ion batteries with large capacity and high-rate capability. <i>Journal of Power Sources</i> , 2020, 463, 228223.	4.0	65
1977	Niobium-based oxide anodes toward fast and safe energy storage: a review. <i>Materials Today Nano</i> , 2020, 11, 100082.	2.3	36
1978	Extended π -conjugated N-containing heteroaromatic hexacarboxylate organic anode for high performance rechargeable batteries. <i>Journal of Energy Chemistry</i> , 2020, 51, 303-311.	7.1	28
1979	Porous FeP/C composite nanofibers as high-performance anodes for Li-ion/Na-ion batteries. <i>Materials Today Energy</i> , 2020, 16, 100410.	2.5	23
1980	An Extremely Fast Charging Li ₃ V ₂ (PO ₄) ₃ Cathode at a 4.8 V Cutoff Voltage for Li-Ion Batteries. <i>ACS Energy Letters</i> , 2020, 5, 1763-1770.	8.8	69
1981	Dual-functional Ti ₃ C ₂ T _x MXene for wastewater treatment and electrochemical energy storage. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3566-3573.	2.5	16
1982	A Safe Polyzwitterionic Hydrogel Electrolyte for Long-Life Quasi-Solid State Zinc Metal Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2001317.	7.8	188
1983	Metal-organic frameworks-derived titanium dioxide-carbon nanocomposite for supercapacitor applications. <i>International Journal of Energy Research</i> , 2020, 44, 6269-6284.	2.2	45
1984	High-performance potassium ion capacitors enabled by hierarchical porous, large interlayer spacing, active site rich-nitrogen, and sulfur Co-doped carbon. <i>Carbon</i> , 2020, 164, 1-11.	5.4	71
1985	Drying graphene hydrogel fibers for capacitive energy storage. <i>Carbon</i> , 2020, 164, 100-110.	5.4	43
1986	Asymmetric supercapacitor comprising a core-shell TiNb ₂ O ₇ @MoS ₂ /C anode and a high voltage ionogel electrolyte. <i>Chemical Engineering Journal</i> , 2020, 394, 124883.	6.6	45
1987	Studies on kinetics and diffusion characteristics of lithium ions in TiNb ₂ O ₇ . <i>Electrochimica Acta</i> , 2020, 345, 136208.	2.6	61
1988	Modifications of MXene layers for supercapacitors. <i>Nano Energy</i> , 2020, 73, 104734.	8.2	149

#	ARTICLE	IF	CITATIONS
1989	One-dimensional mesoporous inorganic nanostructures and their applications in energy, sensor, catalysis and adsorption. <i>Progress in Materials Science</i> , 2020, 113, 100671.	16.0	64
1990	Facile formation of tetragonal-Nb ₂ O ₅ microspheres for high-rate and stable lithium storage with high areal capacity. <i>Science Bulletin</i> , 2020, 65, 1154-1162.	4.3	64
1991	Surveying Manganese Oxides as Electrode Materials for Harnessing Salinity Gradient Energy. <i>Environmental Science & Technology</i> , 2020, 54, 5746-5754.	4.6	17
1992	Porous Silica-Pillared MXenes with Controllable Interlayer Distances for Long-Life Na-Ion Batteries. <i>Langmuir</i> , 2020, 36, 4370-4382.	1.6	30
1993	Ti ₃ C ₂ T _x MXene Nanosheets as a Robust and Conductive Tight on Si Anodes Significantly Enhance Electrochemical Lithium Storage Performance. <i>ACS Nano</i> , 2020, 14, 5111-5120.	7.3	157
1994	A general Lewis acidic etching route for preparing MXenes with enhanced electrochemical performance in non-aqueous electrolyte. <i>Nature Materials</i> , 2020, 19, 894-899.	13.3	870
1995	Unconventional capacity increase kinetics of a chemically engineered SnO ₂ aerogel anode for long-term stable lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8244-8254.	5.2	39
1996	Rocking-chair capacitive deionization with flow-through electrodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8476-8484.	5.2	58
1997	Porous Cobalt Metal-Organic Frameworks as Active Elements in Battery-Supercapacitor Hybrid Devices. <i>Inorganic Chemistry</i> , 2020, 59, 6808-6814.	1.9	171
1998	Boosting Potassium Storage Performance of the Cu ₂ S Anode via Morphology Engineering and Electrolyte Chemistry. <i>ACS Nano</i> , 2020, 14, 6024-6033.	7.3	156
1999	In Situ Pyrolysis Tracking and Real-Time Phase Evolution: From a Binary Zinc Cluster to Supercapacitive Porous Carbon. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13232-13237.	7.2	44
2000	Nitrogen-doped black titania for high performance supercapacitors. <i>Science China Materials</i> , 2020, 63, 1227-1234.	3.5	17
2001	A review of electrochemical energy storage behaviors based on pristine metal-organic frameworks and their composites. <i>Coordination Chemistry Reviews</i> , 2020, 416, 213341.	9.5	159
2002	In Situ Pyrolysis Tracking and Real-Time Phase Evolution: From a Binary Zinc Cluster to Supercapacitive Porous Carbon. <i>Angewandte Chemie</i> , 2020, 132, 13334-13339.	1.6	6
2003	Facile and cost-effective manipulation of hierarchical carbon nanosheets for pseudocapacitive lithium/potassium storage. <i>Carbon</i> , 2020, 165, 296-305.	5.4	29
2004	Tuning the Wrinkles in 3D Graphene Architectures for Mass and Electron Transport. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902190.	1.9	5
2005	Intercalation of Carbon Nanosheet into Layered TiO ₂ Grain for Highly Interfacial Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21709-21719.	4.0	20
2006	A Three-Dimensional Carbon Framework Constructed by N/S Co-doped Graphene Nanosheets with Expanded Interlayer Spacing Facilitates Potassium Ion Storage. <i>ACS Energy Letters</i> , 2020, 5, 1653-1661.	8.8	202

#	ARTICLE	IF	CITATIONS
2007	Boosting pseudocapacity by assembling few-layer WS ₂ into mesoporous nanofibers towards high-performance anode. <i>Electrochimica Acta</i> , 2020, 345, 136238.	2.6	9
2008	Hierarchical Manganese–Nickel Sulfide Nanosheet Arrays as an Advanced Electrode for All-Solid-State Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21505-21514.	4.0	85
2009	MIL-88A@polyoxometalate microrods as an advanced anode for high-performance lithium ion batteries. <i>CrystEngComm</i> , 2020, 22, 3588-3597.	1.3	30
2010	Dehydration-Triggered Ionic Channel Engineering in Potassium Niobate for Li/K ⁺ Ion Storage. <i>Advanced Materials</i> , 2020, 32, e2000380.	11.1	85
2011	Ultrafast and Stable Li(De)intercalation in a Large Single Crystal HfNb ₂ O ₅ Anode via Optimizing the Homogeneity of Electron and Ion Transport. <i>Advanced Materials</i> , 2020, 32, e2001001.	11.1	78
2012	3D Holey Graphene Architecture Expedites Ion Transport Kinetics to Push the OER Performance. <i>Advanced Energy Materials</i> , 2020, 10, 2001005.	10.2	41
2013	Understanding High-Rate K ⁺ Solvent Co-Intercalation in Natural Graphite for Potassium Ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 13017-13024.	1.6	28
2014	Understanding High-Rate K ⁺ Solvent Co-Intercalation in Natural Graphite for Potassium Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12917-12924.	7.2	112
2015	Ta ₂ O ₅ nanoparticles as an anode material for lithium ion battery. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1067-1074.	1.2	17
2016	General formation of Prussian blue analogue microtubes for high-performance Na-ion hybrid supercapacitors. <i>Science China Materials</i> , 2020, 63, 739-747.	3.5	33
2017	Synthesis of BCN nanoribbons from coconut shells using as high-performance anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2020, 346, 136239.	2.6	14
2018	Facile synthesis of mesoporous one-dimensional Fe ₂ O ₃ nanowires as anode for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 832, 155008.	2.8	22
2019	Designed formation of nitrogen-doped caramel sheathed bilateral hybrid oxides nanoarrays as ultra-stable anode for high-areal-capacity lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155069.	2.8	10
2020	Solvent-induced synthesis of hollow structured Fe ₃ O ₄ -based anode materials for high-performance Li-ion batteries. <i>Journal of Materiomics</i> , 2020, 6, 485-493.	2.8	10
2021	Phase-Controllable Cobalt Phosphides Induced through Hydrogel for Higher Lithium Storages. <i>Inorganic Chemistry</i> , 2020, 59, 6471-6480.	1.9	4
2022	Carbide-Derived Niobium Pentoxide with Enhanced Charge Storage Capacity for Use as a Lithium-Ion Battery Electrode. <i>ACS Applied Energy Materials</i> , 2020, 3, 4275-4285.	2.5	22
2024	Amorphous iron oxide–selenite composite microspheres with a yolk–shell structure as highly efficient anode materials for lithium-ion batteries. <i>Nanoscale</i> , 2020, 12, 10790-10798.	2.8	26
2025	Achieving a 2.7 V aqueous hybrid supercapacitor by the pH-regulation of electrolyte. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8648-8660.	5.2	29

#	ARTICLE	IF	CITATIONS
2026	Ti ₃ C ₂ T _x -Based Electrodes with Enhanced Pseudocapacitance for High-Performance Lithium-ion Batteries. <i>Nano</i> , 2020, 15, 2050051.	0.5	6
2027	3D Porous Ti ₃ C ₂ MXene/NiCo-MOF Composites for Enhanced Lithium Storage. <i>Nanomaterials</i> , 2020, 10, 695.	1.9	75
2028	Quantitative Analysis of Cation Selectivity of the Electrodes in Multi-ion Electrolytes Based on 2H-Phase MoS ₂ . <i>Journal of Physical Chemistry C</i> , 2020, 124, 9665-9672.	1.5	3
2029	Vanadium-Based Oxide on Two-Dimensional Vanadium Carbide MXene (V ₂ O _x @V ₂ CT _x) as Cathode for Rechargeable Aqueous Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 4677-4689.	2.5	138
2030	Charge storage mechanism of MOF-derived Mn ₂ O ₃ as high performance cathode of aqueous zinc-ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 52, 277-283.	7.1	97
2031	Stable all-solid-state battery enabled with Li _{6.25} PS _{5.25} Cl _{0.75} as fast ion-conducting electrolyte. <i>Journal of Energy Chemistry</i> , 2021, 53, 147-154.	7.1	38
2032	Carbon spheres with rational designed surface and secondary particle-piled structures for fast and stable sodium storage. <i>Journal of Energy Chemistry</i> , 2021, 54, 368-376.	7.1	15
2033	High and ultra-stable energy storage from all-carbon sodium-ion capacitor with 3D framework carbon as cathode and carbon nanosheet as anode. <i>Journal of Energy Chemistry</i> , 2021, 55, 304-312.	7.1	25
2034	Multi-heteroatom doped porous carbon derived from insect feces for capacitance-enhanced sodium-ion storage. <i>Journal of Energy Chemistry</i> , 2021, 54, 482-492.	7.1	93
2035	Mo ₃ Nb ₁₄ O ₄₄ : A New Li ⁺ Container for High-Performance Electrochemical Energy Storage. <i>Energy and Environmental Materials</i> , 2021, 4, 65-71.	7.3	37
2036	Can domestic wastes-evolved Fe ₂ N@Carbon hybrids serve as competitive anodes for sustainable Li/Na storage applications?. <i>Materials Research Bulletin</i> , 2021, 134, 111088.	2.7	8
2037	Multi-role TiO ₂ layer coated carbon@few-layered MoS ₂ nanotubes for durable lithium storage. <i>Chemical Engineering Journal</i> , 2021, 406, 126873.	6.6	92
2038	Layered materials for supercapacitors and batteries: Applications and challenges. <i>Progress in Materials Science</i> , 2021, 118, 100763.	16.0	48
2039	High-performance battery-type Fe _{1-x} S@CFs anode for all-solid-state battery-type asymmetric supercapacitor with high energy density and wide working temperature range. <i>Applied Surface Science</i> , 2021, 537, 147817.	3.1	19
2040	A MXene-based EDA-Ti ₃ C ₂ T _x intercalation compound with expanded interlayer spacing as high performance supercapacitor electrode material. <i>Carbon</i> , 2021, 173, 135-144.	5.4	46
2041	Toward commercial-level mass-loading electrodes for supercapacitors: opportunities, challenges and perspectives. <i>Energy and Environmental Science</i> , 2021, 14, 576-601.	15.6	166
2042	Rational design of cobalt-nickel double hydroxides for flexible asymmetric supercapacitor with improved electrochemical performance. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 455-464.	5.0	96
2043	2D MOF-derived CoS _{1.097} nanoparticle embedded S-doped porous carbon nanosheets for high performance sodium storage. <i>Chemical Engineering Journal</i> , 2021, 405, 126638.	6.6	21

#	ARTICLE	IF	CITATIONS
2044	Reactivity with Water and Bulk Ruthenium Redox of Lithium Ruthenate in Basic Solutions. <i>Advanced Functional Materials</i> , 2021, 31, 2002249.	7.8	5
2045	Ultrafine chromium oxide (Cr ₂ O ₃) nanoparticles as a pseudocapacitive electrode material for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156046.	2.8	34
2046	Metal Ti quantum chain-inlaid 2D NaSn ₂ (PO ₄) ₃ /H-doped hard carbon hybrid electrodes with ultrahigh energy storage density. <i>Chemical Engineering Journal</i> , 2021, 403, 126311.	6.6	14
2047	Intercalation-pseudocapacitance hybrid anode for high rate and energy lithium-ion capacitors. <i>Journal of Energy Chemistry</i> , 2021, 55, 459-467.	7.1	26
2048	Nitrogen-doped carbon encapsulated in mesoporous TiO ₂ nanotubes for fast capacitive sodium storage. <i>Journal of Energy Chemistry</i> , 2021, 55, 202-210.	7.1	18
2049	Surface modification of Ni foam for stable and dendrite-free lithium deposition. <i>Chemical Engineering Journal</i> , 2021, 405, 127022.	6.6	32
2050	Crystalline and amorphous carbon double-modified silicon anode: Towards large-scale production and superior lithium storage performance. <i>Chemical Engineering Science</i> , 2021, 229, 116054.	1.9	23
2051	3D CNTs/graphene network conductive substrate supported MOFs-derived CoZnNiS nanosheet arrays for ultra-high volumetric/gravimetric energy density hybrid supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 288-298.	5.0	96
2052	Electrolyte formulation to enable ultra-stable aqueous Zn-organic batteries. <i>Journal of Power Sources</i> , 2021, 482, 228904.	4.0	24
2053	Polyoxometalate-based complex/graphene for high-rate lithium-ion batteries. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110666.	2.2	10
2054	Improved Na storage and Coulombic efficiency in TiP ₂ O ₇ @C microflowers for sodium ion batteries. <i>Nano Research</i> , 2021, 14, 139-147.	5.8	18
2055	General strategy for yolk-shell nanospheres with tunable compositions by applying hollow carbon nanospheres. <i>Chemical Engineering Journal</i> , 2021, 406, 126840.	6.6	9
2056	Enhanced lithiation dynamics in nanostructured Nb ₁₈ W ₁₆ O ₉₃ anodes. <i>Journal of Power Sources</i> , 2021, 482, 228898.	4.0	15
2057	Polyarylimide and porphyrin based polymer microspheres for zinc ion hybrid capacitors. <i>Chemical Engineering Journal</i> , 2021, 405, 127038.	6.6	76
2058	N-doped graphene wrapped SnP ₂ O ₇ for sodium storage with high pseudocapacitance contribution. <i>Journal of Alloys and Compounds</i> , 2021, 854, 156992.	2.8	22
2059	Super-conductive silver nanoparticles functioned three-dimensional Cu ₂ O foams as a high-pseudocapacitive electrode for flexible asymmetric supercapacitors. <i>Journal of Materiomics</i> , 2021, 7, 156-165.	2.8	26
2060	Rational Construction of Advanced Potassium Ion Diffusion and Storage Matrix. <i>Advanced Functional Materials</i> , 2021, 31, 2005933.	7.8	31
2061	Edge-rich vertical graphene nanosheets templating V ₂ O ₅ for highly durable zinc ion battery. <i>Carbon</i> , 2021, 172, 207-213.	5.4	60

#	ARTICLE	IF	CITATIONS
2062	Ultrathin holey reduced graphene oxide/Ni(picolinic acid) ₂ papers for flexible battery-supercapacitor hybrid devices. <i>Chemical Engineering Journal</i> , 2021, 408, 127302.	6.6	17
2063	Hollow carbon nanospheres for capacitive-dominated potassium-ion storage. <i>Chemical Engineering Journal</i> , 2021, 409, 127383.	6.6	29
2064	Synthesis of layered 2H-MoSe ₂ nanosheets for the high-performance supercapacitor electrode material. <i>Journal of Alloys and Compounds</i> , 2021, 857, 157522.	2.8	50
2065	Pyridinic nitrogen enriched porous carbon derived from bimetal organic frameworks for high capacity zinc ion hybrid capacitors with remarkable rate capability. <i>Journal of Energy Chemistry</i> , 2021, 56, 404-411.	7.1	60
2066	Design and construction of ZIF(8 and 67) supported Fe ₃ O ₄ composite as advanced materials of high performance supercapacitor. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 126, 114442.	1.3	32
2067	Coarse-grained reduced Mo Ti _{1-x} Nb ₂ O _{7+x} anodes for high-rate lithium-ion batteries. <i>Energy Storage Materials</i> , 2021, 34, 574-581.	9.5	13
2068	Construction of multi-structures based on Cu NWs-supported MOF-derived Co oxides for asymmetric pseudocapacitors. <i>Journal of Materials Science and Technology</i> , 2021, 65, 182-189.	5.6	25
2069	A bipolar metal phthalocyanine complex for sodium dual-ion battery. <i>Journal of Energy Chemistry</i> , 2021, 58, 9-16.	7.1	47
2070	Intercalation pseudocapacitive electrochemistry of Nb-based oxides for fast charging of lithium-ion batteries. <i>Nano Energy</i> , 2021, 81, 105635.	8.2	52
2071	Two-dimensional MXenes for electrochemical capacitor applications: Progress, challenges and perspectives. <i>Energy Storage Materials</i> , 2021, 35, 630-660.	9.5	182
2072	Intercalation pseudocapacitance in Bi ₂ Se ₃ -MnO ₂ nanotube composite for high electrochemical energy storage. <i>Electrochimica Acta</i> , 2021, 367, 137531.	2.6	20
2073	Ultra-small TiO ₂ nanoparticles embedded in carbon nanosheets for high-performance sodium storage. <i>Chemical Engineering Journal</i> , 2021, 417, 127928.	6.6	27
2074	Unlocking solid-state conversion batteries reinforced by hierarchical microsphere stacked polymer electrolyte. <i>Science Bulletin</i> , 2021, 66, 694-707.	4.3	73
2075	Kinetic-matching between electrodes and electrolyte enabling solid-state sodium-ion capacitors with improved voltage output and ultra-long cyclability. <i>Chemical Engineering Journal</i> , 2021, 421, 127832.	6.6	6
2076	Vanadium hexacyanoferrate with two redox active sites as cathode material for aqueous Zn-ion batteries. <i>Journal of Power Sources</i> , 2021, 484, 229263.	4.0	39
2077	In-situ Electrochemically Activated Surface Vanadium Valence in V ₂ C MXene to Achieve High Capacity and Superior Rate Performance for Zn-ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2008033.	7.8	156
2078	High-Performance Lithium-ion Capacitors Based on Porosity-Regulated Zirconium Metal-Organic Frameworks. <i>Small</i> , 2021, 17, e2005209.	5.2	46
2079	Interconnected CoS ₂ /NC-CNTs network as high-performance anode materials for lithium-ion batteries. <i>Science China Materials</i> , 2021, 64, 820-829.	3.5	47

#	ARTICLE	IF	CITATIONS
2080	Electrochemical hydrogen-storage performance of copper sulfide micro-hexagons. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 5530-5536.	3.8	16
2081	Bi ₂ O ₃ /Bi nanocomposites confined by N-doped honeycomb-like porous carbon for high-rate and long-life lithium storage. <i>Applied Materials Today</i> , 2021, 22, 100885.	2.3	11
2082	Enhanced reversible sodium storage by thin carbon layer encapsulated MoS ₂ nanospheres on interwoven carbon nanotubes. <i>Solid State Ionics</i> , 2021, 359, 115522.	1.3	5
2083	Hierarchical NiCo ₂ Se ₄ nanoneedles/nanosheets with N-doped 3D porous graphene architecture as free-standing anode for superior sodium ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 260-270.	5.0	27
2084	High-conductivity-dispersibility Graphene Made by Catalytic Exfoliation of Graphite for Lithium-ion Battery. <i>Advanced Functional Materials</i> , 2021, 31, 2007630.	7.8	26
2085	Recent advances in bimetallic metal-organic framework as a potential candidate for supercapacitor electrode material. <i>Coordination Chemistry Reviews</i> , 2021, 430, 213660.	9.5	106
2086	Tuning the morphology and size of NiMoO ₄ nanosheets anchored on NiCo ₂ O ₄ nanowires: the optimized core-shell hybrid for high energy density asymmetric supercapacitors. <i>Applied Surface Science</i> , 2021, 541, 148458.	3.1	28
2087	Foldable potassium-ion batteries enabled by free-standing and flexible SnS ₂ @C nanofibers. <i>Energy and Environmental Science</i> , 2021, 14, 424-436.	15.6	142
2088	Perovskite oxides as supercapacitive electrode: Properties, design and recent advances. <i>Coordination Chemistry Reviews</i> , 2021, 431, 213680.	9.5	42
2089	2D interspace confined growth of ultrathin MoS ₂ -intercalated graphite hetero-layers for high-rate Li/K storage. <i>Nano Research</i> , 2021, 14, 1061-1068.	5.8	19
2090	Ternary MOF-Based Redox Active Sites Enabled 3D-on-2D Nanoarchitected Battery-Type Electrodes for High-Energy-Density Supercapatteries. <i>Nano-Micro Letters</i> , 2021, 13, 17.	14.4	64
2091	Mn-doped ZnO microspheres as cathode materials for aqueous zinc ion batteries with ultrastability up to 10 000 cycles at a large current density. <i>Chemical Engineering Journal</i> , 2021, 421, 127770.	6.6	23
2092	A novel edge-rich structure of CuO/Co ₃ O ₄ derived from Prussian blue analogue as a high-rate and ultra-stable electrode for efficient capacitive storage. <i>Electrochimica Acta</i> , 2021, 366, 137410.	2.6	24
2093	Copper hexacyanoferrate as ultra-high rate host for aqueous ammonium ion storage. <i>Chemical Engineering Journal</i> , 2021, 421, 127767.	6.6	64
2094	Green energy application technology of litchi pericarp-derived carbon material with high performance. <i>Journal of Cleaner Production</i> , 2021, 286, 124960.	4.6	18
2095	Black potassium titanate nanobelts: Ultrafast and durable aqueous redox electrolyte energy storage. <i>Journal of Power Sources</i> , 2021, 483, 229140.	4.0	5
2096	Spontaneously Forming Oxide Layer of High Entropy Alloy Nanoparticles Deposited on Porous Carbons for Supercapacitors. <i>ChemElectroChem</i> , 2021, 8, 260-269.	1.7	15
2097	A synergetic promotion of sodium-ion storage in titania nanosheets by superlattice assembly with reduced graphene oxide and Fe-doping strategy. <i>Chemical Engineering Journal</i> , 2021, 407, 127198.	6.6	19

#	ARTICLE	IF	CITATIONS
2098	High performance Li-ion hybrid capacitors with micro-sized Nb ₁₄ W ₃ O ₄₄ as anode. <i>Electrochimica Acta</i> , 2021, 368, 137613.	2.6	15
2099	Polyaniline/reduced graphene oxide nanosheets on TiO ₂ nanotube arrays as a high-performance supercapacitor electrode: Understanding the origin of high rate capability. <i>Electrochimica Acta</i> , 2021, 368, 137615.	2.6	16
2100	Boosting zinc-ion intercalation in hydrated MoS ₂ nanosheets toward substantially improved performance. <i>Energy Storage Materials</i> , 2021, 35, 731-738.	9.5	106
2101	High-performance Bi ₂ O ₃ -NC anodes through constructing carbon shells and oxygen vacancies for flexible battery-supercapacitor hybrid devices. <i>Nanoscale Advances</i> , 2021, 3, 593-603.	2.2	8
2102	Recent Tactics and Advances in the Application of Metal Sulfides as High-Performance Anode Materials for Rechargeable Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2006761.	7.8	89
2103	Polymerization inspired synthesis of MnO@carbon nanowires with long cycling stability for lithium ion battery anodes: growth mechanism and electrochemical performance. <i>Dalton Transactions</i> , 2021, 50, 535-545.	1.6	18
2104	Precise synthesis of N-doped graphitic carbon via chemical vapor deposition to unravel the dopant functions on potassium storage toward practical K-ion batteries. <i>Nano Research</i> , 2021, 14, 1413-1420.	5.8	34
2105	Structural properties and electrochemical performance of different polymorphs of Nb ₂ O ₅ in magnesium-based batteries. <i>Journal of Energy Chemistry</i> , 2021, 58, 586-592.	7.1	13
2106	Boosted lithium storage cycling stability of TiP ₂ by in-situ partial self-decomposition and nano-spatial confinement. <i>Journal of Power Sources</i> , 2021, 485, 229337.	4.0	9
2107	Perspective on the synergistic effect of chalcogenide multiphases in sodium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1694-1715.	3.2	22
2108	Synthesis of Highly-Ordered Two-Dimensional Hierarchically Porous Carbon Nanosheet Stacks as Advanced Electrode Materials for Lithium-Ion Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 226-232.	2.5	7
2109	All-solid-state supercapacitors based on yarns of Co ₃ O ₄ -anchored porous carbon nanofibers. <i>Chemical Engineering Journal</i> , 2021, 409, 128124.	6.6	35
2110	Carbon materials for ion-intercalation involved rechargeable battery technologies. <i>Chemical Society Reviews</i> , 2021, 50, 2388-2443.	18.7	255
2111	Synchronous nesting of hollow FeP nanospheres into a three-dimensional porous carbon scaffold via a salt-template method for performance-enhanced potassium-ion storage. <i>Sustainable Energy and Fuels</i> , 2021, 5, 844-854.	2.5	12
2112	Understanding the low temperature electrochemistry of magnesium-lithium hybrid ion battery in all-phenyl-complex solutions. <i>Journal of Energy Chemistry</i> , 2021, 56, 383-390.	7.1	19
2113	Boosting capacitive storage of cathode for lithium-ion capacitors: Combining pore structure with P-doping. <i>Electrochimica Acta</i> , 2021, 368, 137646.	2.6	24
2114	Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors. <i>Angewandte Chemie</i> , 2021, 133, 1024-1034.	1.6	21
2115	Engineering capacitive contribution in dual carbon-confined Fe ₃ O ₄ nanoparticle enabling superior Li+ storage capability. <i>Journal of Materials Science</i> , 2021, 56, 5100-5112.	1.7	3

#	ARTICLE	IF	CITATIONS
2116	Nanoscale niobium oxides anode for electrochemical lithium and sodium storage: a review of recent improvements. <i>Journal of Nanostructure in Chemistry</i> , 2021, 11, 33-68.	5.3	25
2117	Vertical nanoarrays with lithiophilic sites suppress the growth of lithium dendrites for ultrastable lithium metal batteries. <i>Chemical Engineering Journal</i> , 2021, 405, 126808.	6.6	24
2118	High-performance all-organic aqueous batteries based on a poly(imide) anode and poly(catechol) cathode. <i>Journal of Materials Chemistry A</i> , 2021, 9, 505-514.	5.2	35
2119	Capacity and cycle performance of lithium ion batteries employing $\text{Co}_x\text{Zn}_{1-x}\text{S}/\text{Co}_9\text{S}_8@N$ -doped reduced graphene oxide as anode material. <i>Chemical Engineering Journal</i> , 2021, 409, 127372.	6.6	22
2120	Fabrication of porous $\text{Ni}/\text{CoFe}_2\text{O}_4@C$ composite for pseudocapacitive lithium storage. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157177.	2.8	11
2121	Engineering oxygen defects in the boron nanosheet for stabilizing complex bonding structure: An approach for high-performance supercapacitor. <i>Chemical Engineering Journal</i> , 2021, 407, 127122.	6.6	37
2122	Rosa roxburghii-like hierarchical hollow sandwich-structure $\text{C}@Fe_2O_3@C$ microspheres as second nanomaterials for superior lithium storage. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157518.	2.8	29
2123	Si-based composite deriving from wok ash waste as high-performance anode for Li-ion battery. <i>Journal of Alloys and Compounds</i> , 2021, 858, 157680.	2.8	7
2124	Insights into the stable and fast lithium storage performance of oxygen-deficient LiV_3O_8 nanosheets. <i>Nano Research</i> , 2021, 14, 814-822.	5.8	13
2125	Enhanced Potassium-Ion Storage of the 3D Carbon Superstructure by Manipulating the Nitrogen-Doped Species and Morphology. <i>Nano-Micro Letters</i> , 2021, 13, 1.	14.4	570
2126	Nanostructure Dependence of TaNb_2O_5 Intercalation Pseudocapacitance Probed Using Tunable Isomorphic Architectures. <i>Advanced Functional Materials</i> , 2021, 31, .	7.8	24
2127	A confinement strategy to in-situ prepare a peanut-like N-doped, C-wrapped TiO_2 electrode with an enhanced desalination capacity and rate for capacitive deionization. <i>Nano Research</i> , 2021, 14, 684-691.	5.8	29
2128	Highly efficient $\text{Co}_3\text{O}_4/\text{CeO}_2$ heterostructure as anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 705-715.	5.0	116
2129	In situ XRD and electrochemical investigation on a new intercalation-type anode for high-rate lithium ion capacitor. <i>Journal of Energy Chemistry</i> , 2021, 57, 109-117.	7.1	25
2130	Extra storage capacity in transition metal oxide lithium-ion batteries revealed by in situ magnetometry. <i>Nature Materials</i> , 2021, 20, 76-83.	13.3	432
2131	Ultrathin $\text{Ni}(\text{OH})_2$ layer coupling with graphene for fast electron/ion transport in supercapacitor. <i>Science China Materials</i> , 2021, 64, 339-348.	3.5	22
2132	Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1011-1021.	7.2	122
2133	A selenium-doped carbon anode of high performance for lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 457-464.	1.2	10

#	ARTICLE	IF	CITATIONS
2134	Extremely pseudocapacitive interface engineered CoO@3D-NRGO hybrid anodes for high energy/ power density and ultralong life lithium-ion batteries. Carbon, 2021, 171, 869-881.	5.4	36
2135	Tin-Containing Graphite for Sodium-Ion Batteries and Hybrid Capacitors. Batteries and Supercaps, 2021, 4, 173-182.	2.4	27
2136	Nitrogen-doped hierarchical few-layered porous carbon for efficient electrochemical energy storage. , 2021, 3, 349-359.		34
2137	Microsized SnS/Few-Layer Graphene Composite with Interconnected Nanosized Building Blocks for Superior Volumetric Lithium and Sodium Storage. Energy and Environmental Materials, 2021, 4, 229-238.	7.3	21
2138	Recent progress in carbon-based materials for supercapacitor electrodes: a review. Journal of Materials Science, 2021, 56, 173-200.	1.7	474
2139	High-performance aqueous Zn-MnO ₂ batteries enabled by the coupling engineering of K ⁺ pre-intercalation and oxygen defects. Journal of Materials Chemistry A, 2021, 9, 15637-15647.	5.2	46
2140	MoS ₂ encapsulated in three-dimensional hollow carbon frameworks for stable anode of sodium ion batteries. CrystEngComm, 2021, 23, 5214-5225.	1.3	5
2141	Implications of <i>in situ</i> chalcogen substitutions in polysulfides for rechargeable batteries. Energy and Environmental Science, 2021, 14, 5423-5432.	15.6	43
2142	Impact of CO ₂ activation on the structure, composition, and performance of Sb/C nanohybrid lithium/sodium-ion battery anodes. Nanoscale Advances, 2021, 3, 1942-1953.	2.2	9
2143	Rational synthesis of a hierarchical Mo ₂ C/C nanosheet composite with enhanced lithium storage properties. RSC Advances, 2021, 11, 25497-25503.	1.7	5
2144	Electrochemical performance and complex impedance properties of reduced-graphene oxide/polypyrrole nanofiber nanocomposite. Ionics, 2021, 27, 1279-1290.	1.2	13
2145	Ultrahigh-rate nickel monosulfide anodes for sodium/potassium-ion storage. Nanoscale, 2021, 13, 10447-10454.	2.8	8
2146	3D-Assembled rutile TiO ₂ spheres with <i>in situ</i> channels for efficient lithium-ion storage. Nanoscale, 2021, 13, 11104-11111.	2.8	9
2147	A fibrous thiazolothiazole-bridged viologen polymer for high-performance lithium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 18506-18514.	5.2	26
2148	A new tunnel-type V ₄ O ₉ cathode for high power density aqueous zinc ion batteries. Inorganic Chemistry Frontiers, 2021, 8, 4497-4506.	3.0	24
2149	Free-standing electrochemically coated MoS _x based 3D-printed nanocarbon electrode for solid-state supercapacitor application. Nanoscale, 2021, 13, 5744-5756.	2.8	52
2150	Triggering the phase transition and capacity enhancement of Nb ₂ O ₅ for fast-charging lithium-ion storage. Journal of Materials Chemistry A, 2021, 9, 14534-14544.	5.2	14
2151	Recent advances in the synthesis of mesoporous materials and their application to lithium-ion batteries and hybrid supercapacitors. Korean Journal of Chemical Engineering, 2021, 38, 227-247.	1.2	37

#	ARTICLE	IF	CITATIONS
2152	Structure Design of Long-Life Spinel Oxide Cathode Materials for Magnesium Rechargeable Batteries. <i>Advanced Materials</i> , 2021, 33, e2007539.	11.1	52
2153	A carbon-based material with a hierarchical structure and intrinsic heteroatom sites for sodium-ion storage with ultrahigh rate and capacity. <i>Nanoscale</i> , 2021, 13, 15731-15742.	2.8	3
2154	A high-performance rocking-chair lithium-ion battery-supercapacitor hybrid device boosted by doubly matched capacity and kinetics of the faradaic electrodes. <i>Energy and Environmental Science</i> , 2021, 14, 2269-2277.	15.6	63
2155	Pseudocapacitive trimetallic NiCoMn-111 perovskite fluorides for advanced Li-ion supercabatteries. <i>Nanoscale Advances</i> , 2021, 3, 5703-5710.	2.2	4
2156	Cobalt-Based Layered Hydroxides with Modulated Electronic and Thermodynamic Properties for High-Performance Supercapacitors. <i>ACS Applied Electronic Materials</i> , 2021, 3, 395-405.	2.0	3
2157	Insoluble small-molecule organic cathodes for highly efficient pure-organic Li-ion batteries. <i>Green Chemistry</i> , 2021, 23, 6090-6100.	4.6	19
2158	Synthesis and electrochemical study of phosphorus-doped porous carbon for supercapacitor applications. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	7
2159	Tight bonding and high-efficiency utilization of S moieties to enable ultra-stable and high-capacity alkali-metal conversion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6160-6171.	5.2	17
2160	Electrochemical performances of polyvanadate plate-like crystals. <i>Ionics</i> , 2021, 27, 1297-1305.	1.2	0
2161	Boosting Li/Na storage performance of graphite by defect engineering. <i>RSC Advances</i> , 2021, 11, 22297-22304.	1.7	3
2162	Lithium-ion attack on yttrium oxide in the presence of copper powder during Li plating in a super-concentrated electrolyte. <i>RSC Advances</i> , 2021, 11, 6361-6366.	1.7	2
2163	Two-Dimensional Pseudocapacitive Nanomaterials for High-Energy- and High-Power-Oriented Applications of Supercapacitors. <i>Accounts of Materials Research</i> , 2021, 2, 86-96.	5.9	33
2164	Effect of pressure on the properties of a NASICON $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3$ nanofiber solid electrolyte. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13688-13696.	5.2	15
2165	Nb_2O_5 -Ni ₃ N heterojunction tuned by interface oxygen vacancy engineering for the enhancement of electrocatalytic hydrogen evolution activity. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11563-11570.	5.2	40
2166	A high performance all-vanadate-based Li-ion full cell. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10345-10353.	5.2	32
2167	$\text{Fe}_{0.33}\text{H}_2\text{O}$ @carbon nanosheets with honeycomb architectures for high-capacity lithium-ion cathode storage by enhanced pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16370-16383.	5.2	37
2168	Carbon coated SiO nanoparticles embedded in hierarchical porous N-doped carbon nanosheets for enhanced lithium storage. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4282-4290.	3.0	18
2169	Confining Aqueous Zn-Br Halide Redox Chemistry by $\text{Ti}_3\text{C}_2\text{T}_x$ MXene. <i>ACS Nano</i> , 2021, 15, 1718-1726.	7.3	78

#	ARTICLE	IF	CITATIONS
2170	Emerging trends in anion storage materials for the capacitive and hybrid energy storage and beyond. <i>Chemical Society Reviews</i> , 2021, 50, 6734-6789.	18.7	93
2171	Waste utilization of crab shell: 3D hierarchical porous carbon towards high-performance Na/Li storage. <i>New Journal of Chemistry</i> , 2021, 45, 19439-19445.	1.4	6
2172	Polymerization-tailored polyimides as cathodes for lithium-ion batteries. <i>Materials Advances</i> , 2021, 2, 5785-5790.	2.6	7
2173	Strategic synthesis of sponge-like structured SiO ₂ @C@CoO multifunctional composites for high-performance and stable lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18440-18453.	5.2	22
2174	A review on the recent advances in hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15880-15918.	5.2	484
2175	Porous graphene nanocages with wrinkled surfaces enhancing electrocatalytic activity of lithium/sulfuryl chloride batteries. <i>RSC Advances</i> , 2021, 11, 9469-9475.	1.7	1
2176	Formation and growth mechanism for niobium oxide nanoparticles: atomistic insight from <i>in situ</i> X-ray total scattering. <i>Nanoscale</i> , 2021, 13, 8087-8097.	2.8	8
2177	Fe-Based Anode Materials for Asymmetric Supercapacitors. , 2021, , 493-515.		0
2178	Recent progress and applications of niobium-based nanomaterials and their composites for supercapacitors and hybrid ion capacitors. <i>Sustainable Energy and Fuels</i> , 2021, 5, 3039-3083.	2.5	20
2179	Thionated benzo[<i>c</i>]thiophen-1(3 <i>H</i>)-one as an organic cathode with high capacity for sulfur-rich all organic lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14444-14450.	5.2	12
2180	Pseudocapacitance-Dominated Li-Ion Capacitors Showing Remarkable Energy Efficiency by Introducing Amorphous LiFePO ₄ in the Cathode. <i>ACS Applied Energy Materials</i> , 2021, 4, 1824-1832.	2.5	7
2181	Heterostructure Engineering of Core-Shell Sb@Sb ₂ O ₃ Encapsulated in 3D N-doped Carbon Hollow Spheres for Superior Sodium/Potassium Storage. <i>Small</i> , 2021, 17, e2006824.	5.2	49
2182	Bipolar redox electrolyte-synergistically mediated NiCoMn-811 high-Ni ternary perovskite fluorides for advanced supercapacitors in both alkaline and neutral media. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9624-9633.	5.2	14
2183	Proton solvent-controllable synthesis of manganese oxalate anode material for lithium-ion batteries. <i>RSC Advances</i> , 2021, 11, 23259-23269.	1.7	16
2184	3D periodic polyimide nano-networks for ultrahigh-rate and sustainable energy storage. <i>Energy and Environmental Science</i> , 2021, 14, 5894-5902.	15.6	26
2185	UV-Assisted One-Step Synthesis of Ternary Graphene/Polypyrrole/Silver Nanocomposites for Supercapacitors. <i>Energy Technology</i> , 2021, 9, 2000966.	1.8	9
2186	A safe and robust dual-network hydrogel electrolyte coupled with multi-heteroatom doped carbon nanosheets for flexible quasi-solid-state zinc ion hybrid supercapacitors. <i>Nanoscale</i> , 2021, 13, 15869-15881.	2.8	34
2187	Zn ₃ V ₃ O ₈ /NC hybrid microspheres self-assembled by layered porous nanosheets as a superior anode material for lithium/sodium-ion batteries. <i>Dalton Transactions</i> , 2021, 50, 4017-4027.	1.6	9

#	ARTICLE	IF	CITATIONS
2188	3D hierarchical nanoarrays composed of NiCoTe multilayer nanoneedles modified with Co _{1.29} Ni _{1.71} O ₄ for high-performance hybrid supercapacitors. <i>New Journal of Chemistry</i> , 2021, 45, 19795-19803.	1.4	10
2189	A membrane-less desalination battery with ultrahigh energy efficiency. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7216-7226.	5.2	10
2190	Designing a high-performance anode composed of carbon nanotubes and Fe ₃ C nanoparticles for quasi-solid-state fibrous Ni/Fe batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3636-3645.	3.2	14
2191	<i>Operando</i> Leaching of Pre-Incorporated Al and Mechanism in Transition Metal Hybrids for Elaborately Enhanced Charge Storage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2192	Biodegradable Zn-ion battery with a lignin composite electrode and bio-ionic liquid based electrolyte: possible <i>in situ</i> energy generation by lignin electrocatalysis. <i>Materials Advances</i> , 2021, 2, 2676-2683.	2.6	15
2193	Oxygen vacancies boosted the electrochemical kinetics of Nb ₂ O ₅ for superior lithium storage. <i>Chemical Communications</i> , 2021, 57, 8182-8185.	2.2	14
2194	Cerium-doped bimetal organic framework as a superhigh capacity cathode for rechargeable alkaline batteries. <i>Nanoscale</i> , 2021, 13, 3581-3587.	2.8	13
2195	Electrochemical Performance Enhancement of Nitrogen-Doped TiO ₂ for Lithium-Ion Batteries Investigated by a Film Electrode Model. <i>Energy & Fuels</i> , 2021, 35, 2717-2726.	2.5	21
2196	Niobium pentoxide based materials for high rate rechargeable electrochemical energy storage. <i>Materials Horizons</i> , 2021, 8, 1130-1152.	6.4	51
2197	A novel sodium-ion superbattery based on vacancy defective NiCoMn ternary perovskite fluoride electrode materials. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14276-14284.	5.2	18
2198	Microwave radiated comparative growths of vanadium pentoxide nanostructures by green and chemical routes for energy storage applications. <i>Materials Today: Proceedings</i> , 2021, 47, 1760-1766.	0.9	8
2199	Rationally designed yolk-shell Co ₉ S ₈ Co ₁ S hollow spheres for advanced sodium-ion storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23537-23544.	5.2	19
2200	Freestanding Sodium Vanadate/Carbon Nanotube Composite Cathodes with Excellent Structural Stability and High Rate Capability for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 816-826.	4.0	25
2201	Growth of bimodal NiCo ₂ O ₄ ·MnO ₂ nanorods <i>in situ</i> on carbon fiber paper synergistically affects their electrochemical properties. <i>New Journal of Chemistry</i> , 2021, 45, 5399-5409.	1.4	17
2202	Supercapacitors based on two-dimensional metal oxides, hydroxides, and its graphene-based hybrids. , 2021, , 193-215.		1
2203	Conductive Metal-Organic Framework for High Energy Sodium-Ion Hybrid Capacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 1568-1574.	2.5	25
2204	A flexible and conductive connection introduced by cross-linked CNTs between submicron Si@C particles for better performance LIB anode. <i>Nanoscale Advances</i> , 2021, 3, 2287-2294.	2.2	10
2205	Optimizing Electrodeposited Manganese Oxide at Carbon Cloth Electrodes for Harvesting Salinity-Gradient Energy. <i>Journal of the Electrochemical Society</i> , 2021, 168, 024505.	1.3	5

#	ARTICLE	IF	CITATIONS
2206	Nb ₂ CT MXene: High capacity and ultra-long cycle capability for lithium-ion battery by regulation of functional groups. <i>Journal of Energy Chemistry</i> , 2021, 53, 387-395.	7.1	61
2207	High-performance supercapacitor based on MnO/carbon nanofiber composite in extended potential windows. <i>Electrochimica Acta</i> , 2021, 370, 137713.	2.6	17
2208	Synthesis and Kinetic Analysis of MnO_2 Nanowires for Supercapacitor Electrode. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2021, 16, 149-156.	0.1	3
2209	Operation Mechanism in Hybrid Mg ⁺ Li Batteries with TiNb_2O_7 Allowing Stable High-Rate Cycling. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6309-6321.	4.0	13
2210	Organic electrode materials for fast-rate, high-power battery applications. <i>Materials Reports Energy</i> , 2021, 1, 100008.	1.7	43
2211	Unexpected discovery of magnesium-vanadium spinel oxide containing extractable Mg ²⁺ as a high-capacity cathode material for magnesium ion batteries. <i>Chemical Engineering Journal</i> , 2021, 405, 127005.	6.6	34
2212	Deep Cycling for High-Capacity Li-Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2004998.	11.1	43
2213	N, N-Dimethylacetamide-water mixed solvent synthesis of mesoporous MnCO ₃ rod as high performance anode material for lithium-ion batteries. <i>Ionics</i> , 2021, 27, 1413-1422.	1.2	1
2214	Effect of Structural Ordering on the Charge Storage Mechanism of p-Type Organic Electrode Materials. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7135-7141.	4.0	23
2215	Linoleic Acid-Derived Carbon Microspheres with Hierarchical Porous Structure and Controllable Surface Groups toward Application in Supercapacitors. <i>Energy & Fuels</i> , 2021, 35, 5298-5307.	2.5	4
2216	Fast and stable K-ion storage enabled by synergistic interlayer and pore-structure engineering. <i>Nano Research</i> , 2021, 14, 4502-4511.	5.8	36
2217	High-performance sodium-ion capacitors with SnS ₂ /ZnS-reduced graphene oxide anodes and biomass waste-derived porous carbon cathodes. <i>Ionics</i> , 2021, 27, 1781-1794.	1.2	3
2218	Polyoxometalate-Templated Cobalt-Resorcin[4]arene Frameworks: Tunable Structure and Lithium-Ion Battery Performance. <i>Inorganic Chemistry</i> , 2021, 60, 3729-3740.	1.9	14
2219	Reversible Intercalation of Al ³⁺ Ions in Poly(3,4-Ethylenedioxythiophene):Poly(4-Styrenesulfonate) Electrode for Aqueous Electrochemical Capacitors with High Energy Density. <i>Energy Technology</i> , 2021, 9, 2001036.	1.8	7
2220	Robust S-doped TiO ₂ @N,S-codoped carbon nanotube arrays as free-binder anodes for efficient sodium storage. <i>Journal of Energy Chemistry</i> , 2021, 53, 175-184.	7.1	37
2221	High-Capacitance Pseudocapacitors from Li ⁺ Ion Intercalation in Nonporous, Electrically Conductive 2D Coordination Polymers. <i>Journal of the American Chemical Society</i> , 2021, 143, 2285-2292.	6.6	99
2222	Nanostructured transition metal vanadates as electrodes for pseudo-supercapacitors: a review. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	0.8	38
2223	Metal-Organic Framework-Derived Hierarchical MnO/Co with Oxygen Vacancies toward Elevated-Temperature Li-Ion Battery. <i>ACS Nano</i> , 2021, 15, 4594-4607.	7.3	121

#	ARTICLE	IF	CITATIONS
2224	Lithium-Ion Capacitors: A Review of Design and Active Materials. <i>Energies</i> , 2021, 14, 979.	1.6	41
2225	Ultrafine MoP Nanoparticle Splotched Nitrogen-Doped Carbon Nanosheets Enabling High-Performance 3D-Printed Potassium-Ion Hybrid Capacitors. <i>Advanced Science</i> , 2021, 8, 2004142.	5.6	109
2226	Superelastic Ti ₃ C ₂ T _x MXene-Based Hybrid Aerogels for Compression-Resilient Devices. <i>ACS Nano</i> , 2021, 15, 5000-5010.	7.3	139
2227	Design Strategies of 3D Carbon-Based Electrodes for Charge/Ion Transport in Lithium Ion Battery and Sodium Ion Battery. <i>Advanced Functional Materials</i> , 2021, 31, 2010041.	7.8	99
2228	Low-Resistance Mechanism of Nanoflake Crystalline Aromatic Dicarboxylates with Selective Defects for Safe and Fast Charging Negative Electrodes. <i>ACS Nano</i> , 2021, 15, 2719-2729.	7.3	1
2229	Insight into Nickel-Cobalt Oxysulfide Nanowires as Advanced Anode for Sodium-Ion Capacitors. <i>Advanced Energy Materials</i> , 2021, 11, 2100408.	10.2	25
2230	One-step large-scale fabrication of Bi@N-doped carbon for ultrahigh-rate and long-life sodium-ion battery anodes. <i>Journal of Materials Science</i> , 2021, 56, 11000-11010.	1.7	12
2231	Biomass Template Derived Boron/Oxygen Co-Doped Carbon Particles as Advanced Anodes for Potassium-Ion Batteries. <i>Energy and Environmental Materials</i> , 2022, 5, 344-352.	7.3	32
2232	Recycling Biowaste to Synthesize Nitrogen-Doped Highly Porous Activated Carbon Scaffolds for Selenium Stuffing with Superior Electrochemical Properties. <i>ACS Applied Energy Materials</i> , 2021, 4, 2786-2796.	2.5	6
2233	Using X-Ray Scattering to Elucidate the Microstructural Instability of 3D Bicontinuous Nanoporous Metal Scaffolds for Use in an Aperiodic 3D Tricontinuous Conductor-Insulator-Conductor Nanocapacitor. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11721-11731.	4.0	11
2234	Novel Energy Storage Center for High-Performance Rechargeable Aqueous Hybrid Zinc Energy Storage. <i>Energy & Fuels</i> , 2021, 35, 5352-5359.	2.5	5
2235	Design of Metals Sulfides with Carbon Materials for Supercapacitor Applications: A Review. <i>Energy Technology</i> , 2021, 9, 2000987.	1.8	40
2236	Lithium-Ion and Sodium-Ion Hybrid Capacitors: From Insertion-Type Materials Design to Devices Construction. <i>Advanced Functional Materials</i> , 2021, 31, 2100455.	7.8	87
2237	Manipulating Oxidation of Silicon with Fresh Surface Enabling Stable Battery Anode. <i>Nano Letters</i> , 2021, 21, 3127-3133.	4.5	33
2238	Vertically Oriented Cu ₂ O@Cu-MOFs Hybrid Clusters for High-Performance Electrochemical Capacitors. <i>Advanced Materials Interfaces</i> , 2021, 8, 2002145.	1.9	16
2239	Water-soluble salt-templated strategy to regulate mesoporous nanosheets-on-network structure with active mixed-phase CoO/Co ₃ O ₄ nanosheets on graphene for superior lithium storage. <i>Journal of Alloys and Compounds</i> , 2021, 857, 157626.	2.8	15
2240	Carbon Quantum Dots Promote Coupled Valence Engineering of V ₂ O ₅ Nanobelts for High-Performance Aqueous Zinc-Ion Batteries. <i>ChemSusChem</i> , 2021, 14, 2076-2083.	3.6	29
2241	Fe-Based Coordination Polymers as Battery-Type Electrodes in Semi-Solid-State Battery-Supercapacitor Hybrid Devices. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15315-15323.	4.0	139

#	ARTICLE	IF	CITATIONS
2242	CoMn ₂ O ₄ Nanoparticles Decorated on 2D MoS ₂ Frame: A Synergetic Energy Storage Composite Material for Practical Supercapacitor Applications. <i>Journal of Energy Storage</i> , 2021, 35, 102302.	3.9	39
2243	Surface capacitive charge storage in carbon nanodots-anchored hybrid halide perovskites. <i>Carbon</i> , 2021, 173, 1048-1058.	5.4	12
2244	Toward a High-Performance Aqueous Zinc Ion Battery: Potassium Vanadate Nanobelts and Carbon Enhanced Zinc Foil. <i>Nano Letters</i> , 2021, 21, 2738-2744.	4.5	77
2245	Shielded SnS ₂ /SnS heterostructures on three-dimensional graphene framework for high-rate and stable sodium-ion storage. <i>Electrochimica Acta</i> , 2021, 372, 137800.	2.6	27
2246	Wadsley-Roth Crystallographic Shear Structure Niobium-Based Oxides: Promising Anode Materials for High-Safety Lithium-Ion Batteries. <i>Advanced Science</i> , 2021, 8, e2004855.	5.6	70
2247	Covalent Coupling-Stabilized Transition-Metal Sulfide/Carbon Nanotube Composites for Lithium/Sodium-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 6735-6746.	7.3	95
2248	Ionic liquid-induced ultrathin and uniform N-doped carbon-wrapped T-Nb ₂ O ₅ microsphere anode for high-performance lithium-ion battery. <i>Rare Metals</i> , 2021, 40, 3205-3214.	3.6	28
2249	Iron (II and III) Oxides/Reduced Graphene Oxide/Polypyrrole Ternary Nanocomposite as Electrochemical Supercapacitor Electrode. <i>Journal of the Electrochemical Society</i> , 2021, 168, 030543.	1.3	12
2250	Highly porous niobium oxide/carbon matrix materials with distinct pseudocapacitive performances in aqueous electrolytes. <i>Electrochimica Acta</i> , 2021, 371, 137792.	2.6	15
2251	FeBO ₃ as a low cost and high-performance anode material for sodium-ion batteries. <i>Chinese Chemical Letters</i> , 2021, 32, 3113-3117.	4.8	18
2252	Realizing High-Performance Li/Na-Ion Half/Full Batteries via the Synergistic Coupling of Nano-Iron Sulfide and S-doped Graphene. <i>ChemSusChem</i> , 2021, 14, 1936-1947.	3.6	8
2253	Intercalation as a versatile tool for fabrication, property tuning, and phase transitions in 2D materials. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	3.9	113
2254	Controlling Vanadate Nanofiber Interlayer via Intercalation with Conducting Polymers: Cathode Material Design for Rechargeable Aqueous Zinc Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2100005.	7.8	60
2255	A Passionfruit-Like Carbon-Confined Cu ₂ ZnSnS ₄ Anode for Ultralong-Life Sodium Storage. <i>Advanced Energy Materials</i> , 2021, 11, 2100082.	10.2	49
2256	Frontiers in Hybrid Ion Capacitors: A Review on Advanced Materials and Emerging Devices. <i>ChemElectroChem</i> , 2021, 8, 1393-1429.	1.7	43
2257	Annealing effects on the optical and electrochemical properties of tantalum pentoxide films. <i>Journal of Advanced Ceramics</i> , 2021, 10, 704-713.	8.9	18
2258	Scalable Synthesis of Porous SiFe@C Composite with Excellent Lithium Storage. <i>Chemistry - A European Journal</i> , 2021, 27, 6963-6972.	1.7	4
2259	Micronanostructured Design of Dendrite-Free Zinc Anodes and Their Applications in Aqueous Zinc-Based Rechargeable Batteries. <i>Small Structures</i> , 2021, 2, 2000128.	6.9	79

#	ARTICLE	IF	CITATIONS
2260	Vanadium Dioxide Cathodes for High-Rate Photo-Rechargeable Zinc-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100115.	10.2	127
2261	New Insights into the Electrochemistry of Carbonyl- and Amino-Containing Polymers for Rechargeable Zinc-Organic Batteries. <i>ACS Energy Letters</i> , 2021, 6, 1141-1147.	8.8	54
2262	Generalized assembly of sandwich-like OD/2D/OD heterostructures with highly exposed surfaces toward superior electrochemical performances. <i>Nano Research</i> , 2022, 15, 255-263.	5.8	14
2263	Reaction kinetics in rechargeable zinc-ion batteries. <i>Journal of Power Sources</i> , 2021, 492, 229655.	4.0	48
2264	Synchronized ion and electron transfer in a blue T-Nb ₂ O _{5-x} with solid-solution-like process for fast and high volumetric charge storage. <i>Energy Storage Materials</i> , 2021, 36, 213-221.	9.5	27
2265	Azo-linked covalent triazine-based framework as organic cathodes for ultrastable capacitor-type lithium-ion batteries. <i>Energy Storage Materials</i> , 2021, 36, 347-354.	9.5	71
2266	Enhancing capacitive storage of carbonaceous anode by surface doping and structural modulation for high-performance sodium-ion battery. <i>Powder Technology</i> , 2021, 382, 541-549.	2.1	17
2267	Intensified Energy Storage in High-Voltage Nanohybrid Supercapacitors via the Efficient Coupling between TiNb ₂ O ₇ /Holey-rGO Nanoarchitectures and Ionic Liquid-Based Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21349-21361.	4.0	18
2268	Sandwich-like honeycomb Co ₂ SiO ₄ /rGO/honeycomb Co ₂ SiO ₄ structures with enhanced electrochemical properties for high-performance hybrid supercapacitor. <i>Journal of Power Sources</i> , 2021, 492, 229643.	4.0	84
2269	Alloyed BiSb Nanoparticles Confined in Tremella-Like Carbon Microspheres for Ultralong-Life Potassium Ion Batteries. <i>Small</i> , 2021, 17, e2100685.	5.2	51
2270	Initial investigation of bimetal hydroxysulfide as a new anode material for efficient sodium-ion storage. <i>Chemical Engineering Journal</i> , 2021, 410, 128401.	6.6	6
2271	Metallic-State MoS ₂ Nanosheets with Atomic Modification for Sodium Ion Batteries with a High Rate Capability and Long Lifespan. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19894-19903.	4.0	20
2272	Ultrafine molybdenum oxycarbide nanodots encapsulated in N,P co-doped carbon nanofibers as an advanced anode material for lithium-ion batteries. <i>Nanotechnology</i> , 2021, 32, 295601.	1.3	2
2273	Nanoporous carbon oxynitride and its enhanced lithium-ion storage performance. <i>Nano Energy</i> , 2021, 82, 105733.	8.2	13
2274	High-performance organic pseudocapacitors via molecular contortion. <i>Nature Materials</i> , 2021, 20, 1136-1141.	13.3	103
2275	3D flower-like MOF-derived NiCo-LDH integrated with Ti ₃ C ₂ T _x for high-performance pseudosupercapacitors. <i>Electrochimica Acta</i> , 2021, 376, 138040.	2.6	48
2276	One Transistor One Electrolyte-Gated Transistor Based Spiking Neural Network for Power-Efficient Neuromorphic Computing System. <i>Advanced Functional Materials</i> , 2021, 31, 2100042.	7.8	46
2277	Conjugated Microporous Polymers with Bipolar and Double Redox-Active Centers for High-Performance Dual-Ion, Organic Symmetric Battery. <i>Advanced Energy Materials</i> , 2021, 11, 2100381.	10.2	41

#	ARTICLE	IF	CITATIONS
2278	Sulfur-doped 3D hierarchical porous carbon network toward excellent potassium-ion storage performance. <i>Rare Metals</i> , 2021, 40, 2464-2473.	3.6	41
2279	Reduced graphene oxide thin layer induced lattice distortion in high crystalline MnO ₂ nanowires for high-performance sodium- and potassium-ion batteries and capacitors. <i>Carbon</i> , 2021, 174, 556-566.	5.4	52
2280	Characteristics and Electrochemical Performances of Nitrogen-doped Graphene Prepared using different carbon and nitrogen sources as Anode for Lithium Ion Batteries. <i>International Journal of Electrochemical Science</i> , 2021, 16, 210459.	0.5	5
2281	Ultrahigh Phosphorus Doping of Carbon for High-Rate Sodium Ion Batteries Anode. <i>Advanced Energy Materials</i> , 2021, 11, 2003911.	10.2	91
2282	Synthesis of yolk-shell structured iron monosulfide-carbon microspheres and understanding of their conversion reaction for potassium-ion storage. <i>International Journal of Energy Research</i> , 2021, 45, 14910-14919.	2.2	11
2283	Layered Double Hydroxide Quantum Dots for Use in a Bifunctional Separator of Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17978-17987.	4.0	28
2284	Solid solution of semiconducting contorted small molecules for high-performance Li/Na-ion host electrodes. <i>Energy Storage Materials</i> , 2021, 36, 123-131.	9.5	3
2285	Engineering Solid Electrolyte Interface at Nano-Scale for High-Performance Hard Carbon in Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2100278.	7.8	90
2286	Bamboo-like N/S-codoped carbon nanotube aerogels for high-power and high-energy supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 861, 157946.	2.8	20
2287	Construction of two-dimensional bimetal (Fe-Ti) oxide/carbon/MXene architecture from titanium carbide MXene for ultrahigh-rate lithium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 147-156.	5.0	22
2288	Novel MoS ₂ /NOMC electrodes with enhanced capacitive deionization performances. <i>Chemical Engineering Journal</i> , 2021, 409, 128200.	6.6	53
2289	Fast X-ray Nanotomography with Sub-10 Ånm Resolution as a Powerful Imaging Tool for Nanotechnology and Energy Storage Applications. <i>Advanced Materials</i> , 2021, 33, e2008653.	11.1	32
2290	Phase Engineering of CoMoO ₄ Anode Materials toward Improved Cycle Life for Li + Storage. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1121-1128.	2.6	6
2291	An ionic liquid-assisted route towards SnS ₂ nanoparticles anchored on reduced graphene oxide for lithium-ion battery anode. <i>Journal of Solid State Chemistry</i> , 2021, 296, 122022.	1.4	10
2292	Stable Hollow-Structured Silicon Suboxide-Based Anodes toward High-Performance Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2101796.	7.8	127
2293	W ₁₈ O ₄₉ nanowires-graphene nanocomposite for asymmetric supercapacitors employing AlCl ₃ aqueous electrolyte. <i>Chemical Engineering Journal</i> , 2021, 409, 128216.	6.6	72
2294	In-situ construction of g-C ₃ N ₄ /Mo ₂ CT _x hybrid for superior lithium storage with significantly improved Coulombic efficiency and cycling stability. <i>Chemical Engineering Journal</i> , 2021, 410, 128349.	6.6	105
2295	Pseudocapacitive Anode Materials toward High-Power Sodium-Ion Capacitors. <i>Batteries and Supercaps</i> , 2021, 4, 1567-1587.	2.4	31

#	ARTICLE	IF	CITATIONS
2296	N,S co-doped carbon confined MnO/MnS heterostructures derived from a one-step pyrolysis of Mn-methionine frameworks for advanced lithium storage. <i>Journal of Alloys and Compounds</i> , 2021, 860, 158451.	2.8	23
2297	Highly ordered nano-tunnel structure of hydrated tungsten oxide nanorods for superior flexible quasi-solid-state hybrid supercapacitor. <i>Applied Surface Science</i> , 2021, 545, 149044.	3.1	21
2298	Hollow-porous nanospheres of ZnMn ₂ O ₄ spinel: A high energy density cathode for rechargeable aqueous battery. <i>Materials Chemistry and Physics</i> , 2021, 263, 124373.	2.0	18
2299	In-situ tuning the NH ₄ ⁺ extraction in (NH ₄) ₂ V ₄ O ₉ nanosheets towards high performance aqueous zinc ion batteries. <i>Journal of Power Sources</i> , 2021, 492, 229629.	4.0	29
2300	Electrical Conductivity Adjustment for Interface Capacitive-Like Storage in Sodium-Ion Battery. <i>Advanced Functional Materials</i> , 2021, 31, 2101081.	7.8	19
2301	Novel cobalt (II) phthalocyanine with appliance of CNTs on GCE: Flexible supercapacitance by electrochemical methods. <i>Electrochemical Science Advances</i> , 2022, 2, e2100006.	1.2	7
2302	CuCo-Layered Double Hydroxide Nanosheet-Based Polyhedrons for Flexible Supercapacitor Cells. <i>ACS Applied Nano Materials</i> , 2021, 4, 5250-5262.	2.4	35
2303	Vapour phase conversion of metal oxalates to metal phosphide nanostructures and their use as anode in rechargeable Li, Na and K-ion batteries. <i>Electrochimica Acta</i> , 2021, 388, 138643.	2.6	13
2304	Tuning growth of MoS ₂ nanowires over NiTiCu nanostructured array for flexible supercapacitive electrodes with enhanced Li-ion storage. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	29
2305	The Hydrotropic Effect of Ionic Liquids in Water-in-Salt Electrolytes**. <i>Angewandte Chemie</i> , 2021, 133, 14219-14227.	1.6	1
2306	Robust lithium storage of block copolymer-templated mesoporous TiNb ₂ O ₇ and TiNb ₂ O ₇ @C anodes evaluated in half-cell and full-battery configurations. <i>Electrochimica Acta</i> , 2021, 379, 138179.	2.6	33
2307	Cationic intermediates assisted self-assembly two-dimensional Ti ₃ C ₂ T _x /rGO hybrid nanoflakes for advanced lithium-ion capacitors. <i>Science Bulletin</i> , 2021, 66, 914-924.	4.3	161
2308	Lithium Storage in Carbon Cloth-Supported KNb ₃ O ₈ Nanorods Toward a High-Performance Lithium-Ion Capacitor. <i>Small Structures</i> , 2021, 2, 2100029.	6.9	14
2309	Quicker and More Zn ²⁺ Storage Predominantly from the Interface. <i>Advanced Materials</i> , 2021, 33, e2100359.	11.1	111
2310	A hierarchical Ti ₂ Nb ₁₀ O ₂₉ composite electrode for high-power lithium-ion batteries and capacitors. <i>Materials Today</i> , 2021, 45, 8-19.	8.3	61
2311	MoX ₂ (X = O, S) Hierarchical Nanosheets Confined in Carbon Frameworks for Enhanced Lithium-Ion Storage. <i>ACS Applied Nano Materials</i> , 2021, 4, 4615-4622.	2.4	2
2312	Al-Storage Behaviors of Expanded Graphite as High-Rate and Long-Life Cathode Materials for Rechargeable Aluminum Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22549-22558.	4.0	27
2313	Fundamentals, advances and challenges of transition metal compounds-based supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 412, 128611.	6.6	221

#	ARTICLE	IF	CITATIONS
2314	Ultra-Thin Mesoporous LiV_3O_8 Nanosheet with Exceptionally Large Specific Area for Fast and Reversible Li Storage in Lithium-Ion Battery Cathode. <i>Journal of the Electrochemical Society</i> , 2021, 168, 050515.	1.3	7
2315	A Polymer/Graphene Composite Cathode with Active Carbonyls and Secondary Amine Moieties for High-Performance Aqueous Zn-Organic Batteries Involving Dual-Ion Mechanism. <i>Small</i> , 2021, 17, e2100902.	5.2	37
2316	Solid-state synthesis of nitrogen-doped graphitic nanotubes with outstanding electrochemical properties. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103113.	2.3	1
2317	Nitrogen/oxygen dual-doped hierarchically porous carbon/graphene composite as high-performance anode for potassium storage. <i>Electrochimica Acta</i> , 2021, 377, 138093.	2.6	9
2318	Architecturing aligned orthorhombic Nb_2O_5 nanowires toward sodium-ion hybrid capacitor and Lithium-Sulfur battery applications. <i>FlatChem</i> , 2021, 27, 100236.	2.8	12
2319	Construction and preparation of nitrogen-doped porous carbon material based on waste biomass for lithium-ion batteries. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 17267-17281.	3.8	30
2320	Reversible aluminum ion storage mechanism in Ti-deficient rutile titanium dioxide anode for aqueous aluminum-ion batteries. <i>Energy Storage Materials</i> , 2021, 37, 619-627.	9.5	45
2321	Amino-rich surface-modified MXene as anode for hybrid aqueous proton supercapacitors with superior volumetric capacity. <i>Journal of Power Sources</i> , 2021, 495, 229790.	4.0	16
2322	Orientation effect of zinc vanadate cathode on zinc ion storage performance. <i>Electrochimica Acta</i> , 2021, 388, 138646.	2.6	15
2323	Enhanced Diffusion Kinetics of Li Ions in Double-Shell Hollow Carbon Fibers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24604-24614.	4.0	20
2324	Macromolecular Engineering of Poly(catechol) Cathodes towards High-Performance Aqueous Zinc-Polymer Batteries. <i>Polymers</i> , 2021, 13, 1673.	2.0	11
2325	Synthesis and electrochemical performance of mesoporous $\text{Mn}_2\text{C}_2\text{O}_4$ nanorod/rGO composite anode for lithium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 15069-15079.	1.1	8
2326	Perovskite oxide and polyazulene-based heterostructure for high-performance supercapacitors. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51198.	1.3	11
2327	Size-controllable synthesis of Zn_2GeO_4 hollow rods supported on reduced graphene oxide as high-capacity anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 13-24.	5.0	10
2328	Electrochemical Driven Phase Segregation Enabled Dual-Ion Removal Battery Deionization Electrode. <i>Nano Letters</i> , 2021, 21, 4830-4837.	4.5	27
2329	In situ heterogeneous interface construction boosting fast ion/electron transfer for high-performances lithium/potassium storage. <i>Energy Storage Materials</i> , 2021, 37, 55-66.	9.5	60
2330	Transparent and Flexible $\text{Mn}_2\text{O}_3/\text{Ce}_x\text{La}_y\text{O}_8$ Ultrathin-Film Device for Highly-Stable Pseudocapacitance Application. <i>Advanced Functional Materials</i> , 2021, 31, 2100880.	7.8	8
2331	Multicomponent architected battery-type flexible yarns for high-performance wearable supercapatteries. <i>Chemical Engineering Journal</i> , 2021, 411, 128479.	6.6	25

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2332	Advanced and Emerging Negative Electrodes for Li-Ion Capacitors: Pragmatism vs. Performance. <i>Energies</i> , 2021, 14, 3010.	1.6	4
2333	Ultrathin Carbon Deficient Molybdenum Carbide ($\hat{1}\pm\text{-MoC}$) Enables High-Rate Mg-Ion-based Energy Storage. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4434-4439.	2.1	13
2334	Chemically-confined mesoporous $\hat{1}\text{-Fe}_2\text{O}_3$ nanospheres with $\text{Ti}_3\text{C}_2\text{T}_x$ MXene via alkali treatment for enhanced lithium storage. <i>Journal of Power Sources</i> , 2021, 495, 229758.	4.0	46
2335	Tunable CuS nanocables with hierarchical nanosheet-assembly for ultrafast and long-cycle life sodium-ion storage. <i>Ceramics International</i> , 2021, 47, 14138-14145.	2.3	20
2336	Characterization of Nb_2O_5 microrods grown from niobium oxide powders recovered from mine tailings. <i>Ceramics International</i> , 2021, 47, 13859-13864.	2.3	5
2337	Fluorinated pillared-layer metal-organic framework microrods for improved electrochemical cycling stability. <i>Chinese Chemical Letters</i> , 2021, 32, 3817-3820.	4.8	30
2338	Hierarchical Carbon Nanosheet Assembly with SiO_2 Incorporation and Nitrogen Doping Achieves Enhanced Lithium Ion Storage Performance. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100026.	2.8	2
2339	The Hydrotropic Effect of Ionic Liquids in Water in Salt Electrolytes**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14100-14108.	7.2	45
2340	Immobilization and kinetic promotion of polysulfides by molybdenum carbide in lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2021, 411, 128563.	6.6	35
2341	Co-electrodeposited porous poplar flower-like poly(hydroxymethyl-3,4-ethylenedioxythiophene)/PEG/WS ₂ hybrid material for high-performance supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2021, 891, 115261.	1.9	4
2342	Fast and Durable Potassium Storage Enabled by Constructing Stress-Dispersed Co_3Se_4 Nanocrystallites Anchored on Graphene Sheets. <i>ACS Nano</i> , 2021, 15, 10107-10118.	7.3	57
2343	Al_3 -doped $\text{FeNb}_{11}\text{O}_{29}$ anode materials with enhanced lithium-storage performance. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 733-742.	9.9	21
2344	Nitrogen Doped Carbon Coated Bi Microspheres as High-performance Anode for Half and Full Sodium Ion Batteries. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2314-2320.	1.7	19
2345	Dual Confinement of CoSe_2 Nanorods with Polyphosphazene-Derived Heteroatom-Doped Carbon and Reduced Graphene Oxide for Potassium-Ion Batteries. <i>ACS Omega</i> , 2021, 6, 17113-17125.	1.6	12
2346	One-dimensional channel to trigger high-performance sodium-ion battery via doping engineering. <i>Nano Energy</i> , 2021, 84, 105875.	8.2	11
2347	Electrochemical Characteristics of Reconstructed WO_3 Electrodes by Embedding ITO Nanocrystals. <i>Journal of the Electrochemical Society</i> , 2021, 168, 066517.	1.3	3
2348	Fabrication of a Sandwich-like VS_4 -Graphene Composite via Self-assembly for Highly Stable Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2021, 8, 2266-2271.	1.7	10
2349	In Situ Lattice Tunnel Distortion of Vanadium Trioxide for Enhancing Zinc Ion Storage. <i>Advanced Energy Materials</i> , 2021, 11, 2100973.	10.2	74

#	ARTICLE	IF	CITATIONS
2350	Interfacial engineering of Bi ₂ Te ₃ /Sb ₂ Te ₃ heterojunction enables high-energy cathode for aluminum batteries. <i>Energy Storage Materials</i> , 2021, 38, 231-240.	9.5	49
2351	Conjugated Polymers with Benzoyl-N-methylpyridinium Units: An Effective Design Strategy for High-Performance Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2021, 33, 4596-4605.	3.2	11
2352	Heterogeneous Interface Design for Enhanced Sodium Storage: Sb Quantum Dots Confined by Functional Carbon. <i>Small Methods</i> , 2021, 5, e2100188.	4.6	17
2353	Triboelectric nanogenerator/supercapacitor in-one self-powered textile based on PTFE yarn wrapped PDMS/MnO ₂ NW hybrid elastomer. <i>Nano Energy</i> , 2021, 84, 105918.	8.2	78
2354	Flexible S@C-CNTs cathodes with robust mechanical strength via blade-coating for lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 448-454.	5.0	24
2355	Dual-Redox-Sites Enable Two-Dimensional Conjugated Metal-Organic Frameworks with Large Pseudocapacitance and Wide Potential Window. <i>Journal of the American Chemical Society</i> , 2021, 143, 10168-10176.	6.6	75
2356	Ellipsometry-based failure analysis on translucent LiMn _{0.5} Ni _{0.3} Co _{0.2} O ₂ in half-cell thin-film lithium-ion battery on glass substrates. <i>Materials Today Advances</i> , 2021, 10, 100142.	2.5	3
2357	On chip MnO ₂ -based 3D micro-supercapacitors with ultra-high areal energy density. <i>Energy Storage Materials</i> , 2021, 38, 520-527.	9.5	39
2358	Electrochemical Charge Storage Behavior of Various $\text{Ni}_x\text{Co}_y\text{Mn}_z\text{S}_w$ Hierarchical Microstructures. <i>Physical Review Applied</i> , 2021, 15, .		
2359	High-rate capability of carbon-coated micron-sized hexagonal TT-Nb ₂ O ₅ composites for lithium-ion battery. <i>Ceramics International</i> , 2021, 47, 15400-15407.	2.3	21
2360	Multi-layered composite electrodes of high power Li ₄ Ti ₅ O ₁₂ and high capacity SnO ₂ for smart lithium ion storage. <i>Energy Storage Materials</i> , 2021, 38, 70-79.	9.5	29
2361	Energy Storage Mechanism, Challenge and Design Strategies of Metal Sulfides for Rechargeable Sodium/Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2103912.	7.8	108
2362	Exploring the impact of MoS ₂ on the performance of the planar solid micro-supercapacitor. <i>Materials Chemistry and Physics</i> , 2021, 265, 124490.	2.0	5
2363	MXene and MoS ₂ Coated 3D-Printed Hybrid Electrode for Solid-State Asymmetric Supercapacitor. <i>Small Methods</i> , 2021, 5, e2100451.	4.6	56
2364	Flash cold sintering of Nb ₂ O ₅ : polarity and electrolyte effects. <i>Journal of Asian Ceramic Societies</i> , 0, , 1-6.	1.0	2
2365	Opening MXene Ion Transport Channels by Intercalating PANI Nanoparticles from the Self-Assembly Approach for High Volumetric and Areal Energy Density Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30633-30642.	4.0	51
2366	Harmonized edge/graphitic-nitrogen doped carbon nanopolyhedron@nanosheet composite via salt-confined strategy for advanced K-ion hybrid capacitors. <i>Informa-Materials</i> , 2021, 3, 891-903.	8.5	18
2367	Anion-Derived Solid-Electrolyte Interphase Enables Long Life Na-Ion Batteries Using Superconcentrated Ionic Liquid Electrolytes. <i>ACS Energy Letters</i> , 2021, 6, 2481-2490.	8.8	52

#	ARTICLE	IF	CITATIONS
2368	Hydrogen Bond-Assisted Ultra-Stable and Fast Aqueous NH ₄ ⁺ Storage. <i>Nano-Micro Letters</i> , 2021, 13, 139.	14.4	77
2369	Boosted Storage Kinetics in Thick Hierarchical Micro-“Nano Carbon Architectures for High Areal Capacity Li-Ion Batteries. <i>Energy and Environmental Materials</i> , 2022, 5, 1251-1259.	7.3	31
2370	Interfacial Control of NiCoP@NiCoP Core-Shell Nanoflake Arrays as Advanced Cathodes for Ultrahigh-Energy-Density Fiber-Shaped Asymmetric Supercapacitors. <i>Small</i> , 2021, 17, e2101617.	5.2	35
2371	3D Network of Sepia Melanin and N-doped Graphitic Carbon Quantum Dots for Sustainable Electrochemical Capacitors. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100152.	2.7	2
2372	Metal-organic framework derived carbon-coated spherical bimetallic nickel-cobalt sulfide nanoparticles for hybrid supercapacitors. <i>Electrochimica Acta</i> , 2021, 385, 138433.	2.6	45
2373	Extra Sodiation Sites in Hard Carbon for High Performance Sodium Ion Batteries. <i>Small Methods</i> , 2021, 5, e2100580.	4.6	40
2374	A TiSe ₂ @Graphite Dual Ion Battery: Fast Na ⁺ Ion Insertion and Excellent Stability. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18430-18437.	7.2	102
2375	PSi@SiOx/Nano-Ag composite derived from silicon cutting waste as high-performance anode material for Li-ion batteries. <i>Journal of Hazardous Materials</i> , 2021, 414, 125480.	6.5	49
2376	In-situ introducing TiP ₂ nanocrystals in black phosphorus anode to promote high rate-capacity synergy. <i>Journal of Power Sources</i> , 2021, 499, 229979.	4.0	13
2377	Mechanochemical process on layered compounds MoO ₃ and graphite to construct heterostructure composites with efficient lithium storage performance. <i>Materials Chemistry and Physics</i> , 2021, 267, 124646.	2.0	8
2378	WS ₂ anode in Na and K-ion battery: Effect of upper cut-off potential on electrochemical performance. <i>Electrochimica Acta</i> , 2021, 383, 138339.	2.6	18
2379	Flexible Solid-State Supercapacitors with Outstanding Capacitive Performance Enabled by N/B-Codoped Porous Carbon Nanosheets. <i>ACS Applied Energy Materials</i> , 2021, 4, 7552-7561.	2.5	12
2380	Copper Zinc Tin Sulfide Anode Materials for Lithium-Ion Batteries at Low Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8970-8979.	3.2	12
2381	Overlapped T-Nb ₂ O ₅ /Graphene Hybrid for a Quasi-Solid-State Asymmetric Supercapacitor with a High Rate Capacity. <i>Energy & Fuels</i> , 2021, 35, 12546-12555.	2.5	4
2382	Review-Clay Mineral Materials for Electrochemical Capacitance Application. <i>Journal of the Electrochemical Society</i> , 2021, 168, 070558.	1.3	27
2383	Intercalation pseudocapacitance in ZnS@C sheets composites for enhanced electrochemical energy storage. <i>Journal of Energy Storage</i> , 2021, 39, 102611.	3.9	10
2384	Synthesis of layered SnOX nanostructure composite carbon hybrid nanofiber mats by blow-spinning for high performance pseudocapacitors. <i>Electrochimica Acta</i> , 2021, 383, 138240.	2.6	4
2385	Investigating the Degradation of Nb ₂ O ₅ Thin Films Across 10,000 Lithiation/Delithiation Cycles. <i>ACS Applied Energy Materials</i> , 2021, 4, 6542-6552.	2.5	11

#	ARTICLE	IF	CITATIONS
2386	MnO ₂ -decorated metallic framework supercapacitors fabricated from duplex-phase FeCrCoMnNiAlO _{7.5} Cantor high entropy alloy precursors through selective phase dissolution. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159523.	2.8	13
2387	In situ preparation of manganese sulfide on reduced graphene oxide sheets as cathode for rechargeable aqueous zinc-ion battery. <i>Journal of Solid State Chemistry</i> , 2021, 299, 122166.	1.4	12
2388	Nitrogen-doped carbon encapsulated zinc vanadate polyhedron engineered from a metal-organic framework as a stable anode for alkali ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 593, 251-265.	5.0	33
2389	Identification of the different contributions of pseudocapacitance and quantum capacitance and their electronic-structure-based intrinsic transport kinetics in electrode materials. <i>Chemical Physics Letters</i> , 2021, 775, 138666.	1.2	29
2390	Nitrogen-doped reduced graphene oxide incorporated porous rod-like cobalt molybdate as an anode for high-capacity long-life lithium-ion batteries. <i>International Journal of Energy Research</i> , 2021, 45, 19509-19520.	2.2	11
2391	Metal-organic frameworks-derived CoP anchored on MXene toward an efficient bifunctional electrode with enhanced lithium storage. <i>Chemical Engineering Journal</i> , 2021, 416, 129102.	6.6	51
2392	Novel antimony phosphate loaded on grid-like N, S-doped carbon for facilitating sodium-ion storage. <i>Chemical Engineering Journal</i> , 2021, 415, 128942.	6.6	13
2393	Integrated Battery-Capacitor Electrodes: Pyridinic N-Doped Porous Carbon-Coated Abundant Oxygen Vacancy Mn-Ni-Layered Double Oxide for Hybrid Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34374-34384.	4.0	37
2394	Design principles and direct applications of cobalt-based metal-organic frameworks for electrochemical energy storage. <i>Coordination Chemistry Reviews</i> , 2021, 438, 213872.	9.5	51
2395	Suppressing the metal-metal interaction by CoZn _{0.5} V _{1.5} O ₄ derived from two-dimensional metal-organic frameworks for supercapacitors. <i>Science China Materials</i> , 2022, 65, 105-114.	3.5	14
2396	Oxygen vacancies enhancing capacitance of MgCo ₂ O ₄ for high performance asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 869, 159294.	2.8	37
2397	A TiSe ₂ @Graphite Dual Ion Battery: Fast Na ⁺ Ion Insertion and Excellent Stability. <i>Angewandte Chemie</i> , 2021, 133, 18578-18585.	1.6	10
2398	Covalent Fixing of MoS ₂ Nanosheets with SnS Nanoparticles Anchored on g-C ₃ N ₄ /Graphene Boosting Fast Charge/Ion Transport for Sodium-Ion Hybrid Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34238-34247.	4.0	28
2399	Supersized Graphitic Tube@MoS ₂ Pipelines with Abundant Ion Channels Synthesized by Selective Deposition toward High-Performance Anodes. <i>ACS Applied Energy Materials</i> , 2021, 4, 6866-6873.	2.5	5
2400	Simple design of an in situ generated iron sulfide/carbon heterostructure with N, S codoping for high performance lithium/sodium-ion batteries. <i>Applied Surface Science</i> , 2021, 554, 149587.	3.1	14
2401	Prussian Blue Cathode with Intercalation Pseudocapacitive Behavior for Low-Temperature Batteries. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100105.	2.8	11
2402	Nitrogen-Doped Porous Carbon Nanosheets with Ultrahigh Capacity and Quasicapacitive Energy Storage Performance for Lithium and Sodium Storage Applications. <i>Energy Technology</i> , 2021, 9, 2100309.	1.8	4
2403	Experimental and Theoretical Study on rGO-Decorated Mo ₂ C Composite as the Anode Material for Lithium Ion Batteries. <i>Energy & Fuels</i> , 2021, 35, 12556-12568.	2.5	21

#	ARTICLE	IF	CITATIONS
2404	Stimulation of surface terminating group by carbon quantum dots for improving pseudocapacitance of Ti ₃ C ₂ T _x MXene based electrode. Carbon, 2021, 180, 118-126.	5.4	32
2405	Robust high-temperature potassium-ion batteries enabled by carboxyl functional group energy storage. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	8
2406	Diffusionless-€Like Transformation Unlocks Pseudocapacitance with Bulk Utilization: Reinventing Fe ₂ O ₃ in Alkaline Electrolyte. Energy and Environmental Materials, 2023, 6, .	7.3	20
2407	Ni-doped perovskite PrBaCo ₂ O _{5+δ} as supercapacitor electrode with enhanced electrochemical performance. Materials Letters, 2021, 297, 130013.	1.3	8
2408	Engineered nitrogen-doped hollow carbon nanospheres adhered by carbon nanotubes for capacitive potassium-ion storage. Applied Surface Science, 2021, 557, 149833.	3.1	6
2409	Fixing Cu ₇ S ₄ nanocrystals on flexible carbon nanotube film for distinguished sodium storage performance. Chemical Engineering Journal, 2021, 418, 129489.	6.6	21
2410	Regulating interlayer spacing with pillar- and strain structures in Ti ₃ C ₂ MXene layers by molecular welding for superior alkali metal ion-storage. Materials Today Energy, 2021, 22, 100832.	2.5	15
2411	Facile Synthesis of Manganese-€Cobalt-€Sulfur/Reduced Rraphene Oxide Composite as High Performing Faradaic Electrode. ChemistrySelect, 2021, 6, 7398-7407.	0.7	1
2412	Three-Dimensional Cross-Linked Nb ₂ O ₅ Polymorphs Derived from Cellulose Substances: Insights into the Mechanisms of Lithium Storage. ACS Applied Materials & Interfaces, 2021, 13, 39501-39512.	4.0	44
2413	High-areal-capacity thick cathode with vertically-aligned micro-channels for advanced lithium ion batteries. Energy Storage Materials, 2021, 39, 287-293.	9.5	41
2414	High-Performance Potassium-Ion Batteries with Robust Stability Based on N/S-Codoped Hollow Carbon Nanocubes. ACS Applied Materials & Interfaces, 2021, 13, 41619-41627.	4.0	12
2415	Synthesis of nickel hexacyanoferrate nanostructure on carbon cloth with predeposited nickel nanoparticles as precursor for binder-free high-performance supercapacitor electrodes. Journal of Alloys and Compounds, 2021, 871, 159510.	2.8	29
2416	2D amorphous-MoO ₃ ·x@Ti ₃ C ₂ -MXene non-van der Waals heterostructures as anode materials for lithium-ion batteries. Nano Energy, 2021, 86, 106139.	8.2	63
2417	Nitrogen and oxygen co-doped mesoporous carbon spheres as capacitive anode for high performance sodium-ion capacitors. Journal of Materials Science and Technology, 2021, 83, 188-195.	5.6	10
2418	Structural Evaluation of Coal-Tar-Pitch-Based Carbon Materials and Their Na ⁺ Storage Properties. Coatings, 2021, 11, 948.	1.2	9
2419	Constructing MoO ₂ @MoS ₂ heterostructures anchored on graphene nanosheets as a high-performance anode for sodium ion batteries. Electrochimica Acta, 2021, 388, 138612.	2.6	15
2420	Control of the structure and composition of nitrogen-doped carbon nanofoams derived from CO ₂ foamed polyacrylonitrile as anodes for high-performance potassium-ion batteries. Electrochimica Acta, 2021, 388, 138630.	2.6	4
2421	Miniaturization of transition metal hydroxides to hydroxide dots: A direction to realize giant cyclic stability and electrochemical performance. International Journal of Energy Research, 2021, 45, 20356.	2.2	10

#	ARTICLE	IF	CITATIONS
2422	Mussel-pearl-inspired design of Si/C composite for ultrastable lithium storage anodes. <i>Journal of Alloys and Compounds</i> , 2021, 872, 159717.	2.8	15
2423	Shape matters: SnP _{0.94} teardrop nanorods with boosted performance for potassium ion storage. <i>Chemical Engineering Journal</i> , 2021, 417, 128552.	6.6	35
2424	Ultrafine Sb Pillared Few-Layered Ti ₃ C ₂ T _x MXenes for Advanced Sodium Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 9806-9815.	2.5	18
2425	Boosting High-Rate Sodium Storage of CuS via a Hollow Spherical Nanostructure and Surface Pseudocapacitive Behavior. <i>ACS Applied Energy Materials</i> , 2021, 4, 8901-8909.	2.5	18
2426	Enhanced sodium-ion storage with Fe ₃ O ₄ @Na ₂ Ti ₃ O ₇ nanoleafs. <i>Journal of Solid State Chemistry</i> , 2021, 300, 122247.	1.4	7
2427	Engineering Na ⁺ -layer spacings to stabilize Mn-based layered cathodes for sodium-ion batteries. <i>Nature Communications</i> , 2021, 12, 4903.	5.8	109
2428	Nitrogen-enriched graphene framework from a large-scale magnesiothermic conversion of CO ₂ with synergistic kinetics for high-power lithium-ion capacitors. <i>NPG Asia Materials</i> , 2021, 13, .	3.8	29
2429	Boosting the Electrochemical Performance of V ₂ O ₃ by Anchoring on Carbon Nanotube Microspheres with Macrovoids for Ultrafast and Long-Life Aqueous Zinc-Ion Batteries. <i>Small Methods</i> , 2021, 5, e2100578.	4.6	25
2430	Extending π - π Conjugation and Integrating Multiple Redox Centers into One Molecule for High-Capacity Organic Cathodes. <i>ChemSusChem</i> , 2021, 14, 3858-3866.	3.6	17
2431	Titanium Carbide MXene Shows an Electrochemical Anomaly in Water-in-Salt Electrolytes. <i>ACS Nano</i> , 2021, 15, 15274-15284.	7.3	56
2432	PVA-assisted hydrated vanadium pentoxide/reduced graphene oxide films for excellent Li ⁺ and Zn ²⁺ storage properties. <i>Journal of Materials Science and Technology</i> , 2021, 83, 7-17.	5.6	17
2433	Binder-free ultrathin SnS ₂ with superior reversibility of conversion reaction for high-rate lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159623.	2.8	8
2434	Pinecone-like Silicon@Carbon Microspheres Covered by Al ₂ O ₃ nano-petals for lithium-ion battery anode under high temperature. <i>Electrochimica Acta</i> , 2021, 387, 138461.	2.6	29
2435	Metallic Co: A promising electrode materials to boost electrochemical performances of Co ₃ O ₄ for energy storage. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115496.	1.9	1
2436	Tin phosphide nanoparticles loaded on multi-walled carbon nanotubes networks as a superior anode material for lithium ion batteries. <i>Applied Surface Science</i> , 2021, 556, 149764.	3.1	8
2437	High Capacity and Fast Kinetics of Potassium-Ion Batteries Boosted by Nitrogen-Doped Mesoporous Carbon Spheres. <i>Nano-Micro Letters</i> , 2021, 13, 174.	14.4	77
2438	Polypyrrole-encapsulated Fe ₂ O ₃ nanotube arrays on a carbon cloth support: Achieving synergistic effect for enhanced supercapacitor performance. <i>Electrochimica Acta</i> , 2021, 386, 138486.	2.6	53
2439	Promoting the Na ⁺ -storage of NiCo ₂ S ₄ hollow nanospheres by surfacing Ni ²⁺ B nanoflakes. <i>Journal of Materials Science and Technology</i> , 2021, 82, 114-121.	5.6	16

#	ARTICLE	IF	CITATIONS
2440	Extraction of tetrahedral CuCl anode from the waste copper etchant and surface modification with graphene quantum dots. <i>Ionics</i> , 2021, 27, 4383-4391.	1.2	5
2441	Facile synthesis and electrochemical properties of amorphous/crystalline VO(PO ₃) ₂ @C as the anodes for Lithium-ion battery. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115541.	1.9	4
2442	Precisely Designed Mesoscopic Titania for High-Volumetric-Density Pseudocapitance. <i>Journal of the American Chemical Society</i> , 2021, 143, 14097-14105.	6.6	30
2443	Recent advances in materials and device technologies for aqueous hybrid supercapacitors. <i>Science China Materials</i> , 2022, 65, 10-31.	3.5	25
2444	Vanadium Metaphosphate V(PO ₃) ₃ Derived from V-MOF as a Novel Anode for Lithium-ion Batteries. <i>ChemistrySelect</i> , 2021, 6, 8150-8157.	0.7	11
2445	Embedding Co ₃ O ₄ nanoparticles in three-dimensionally ordered macro-/mesoporous TiO ₂ for Li-ion hybrid capacitor. <i>Journal of Colloid and Interface Science</i> , 2021, 596, 130-138.	5.0	17
2446	Synthesis of rod-like ternary Cu(Cd)-In-S and quaternary Cu-Cd-In-S by controlled ion exchange of MIL-68(In) derived indium sulfide for high energy-storage capacitor. <i>Synthetic Metals</i> , 2021, 278, 116815.	2.1	5
2447	Three-dimensional nano/micro-structured porous MoP/CNTs microspheres as high-capacity anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 872, 159608.	2.8	7
2448	A durable P2-type layered oxide cathode with superior low-temperature performance for sodium-ion batteries. <i>Science China Materials</i> , 2022, 65, 328-336.	3.5	22
2449	Layered MNb ₃ O ₈ (M=H, Li, Na, K) driven by intercalation pseudo-capacitor for lithium battery anode material. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159834.	2.8	7
2450	Sub-nanoscale Engineering of MoO ₂ Clusters for Enhanced Sodium Storage. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	34
2451	Hierarchical Bismuth-Carbon Microfoam Hybrid Structure Achieves Superior Sodium-Ion Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 8285-8293.	2.5	3
2452	Double-shelled Hollow SiO ₂ @N Nanofiber Boosts the Lithium Storage Performance of [PMo ₁₂ O ₄₀] ³⁻ . <i>Chemistry - A European Journal</i> , 2021, 27, 13367-13375.	1.7	5
2453	Green chemical delithiation of lithium iron phosphate for energy storage application. <i>Chemical Engineering Journal</i> , 2021, 418, 129191.	6.6	20
2454	Porous flexible nitrogen-rich carbon membranes derived from chitosan as free-standing anodes for potassium-ion and sodium-ion batteries. <i>Carbon</i> , 2021, 181, 1-8.	5.4	42
2455	Trimetallic Metal-Organic Framework Nanoframe Superstructures: A Stress-Buffering Architecture Engineering of Anode Material toward Boosted Lithium Storage Performance. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	7
2456	Fabrication of Vertical-Standing Co-MOF Nanoarrays with 2D Parallelogram-like Morphology for Aqueous Asymmetric Electrochemical Capacitors. <i>Molecules</i> , 2021, 26, 5394.	1.7	9
2457	Multiphase and Multicomponent Nickel-Iron Oxide Heterostructure as an Efficient Separator Modification Layer for Advanced Lithium Sulfur Batteries. <i>Batteries and Supercaps</i> , 2021, 4, 1843-1849.	2.4	10

#	ARTICLE	IF	CITATIONS
2458	Dual Doping of Titania for Enhanced Na Storage Performance. ACS Applied Materials & Interfaces, 2021, 13, 44214-44223.	4.0	14
2459	A Pseudocapacitor from Redox Active Covalent Organic Framework. Journal of the Electrochemical Society, 2021, 168, 100501.	1.3	12
2460	MOF derived carbon with ultra-high specific surface area and pore volume for lithium-ion capacitor cathodes. IOP Conference Series: Earth and Environmental Science, 2021, 844, 012003.	0.2	0
2461	Super-hydrophilic microporous biochar from biowaste for supercapacitor application. Applied Surface Science, 2021, 561, 150076.	3.1	29
2462	Granularity control enables high stability and elevated-temperature properties of micron-sized single-crystal LiNi _{0.5} Mn _{1.5} O ₄ cathodes at high voltage. Journal of Materiomics, 2021, 7, 1049-1060.	2.8	16
2463	Controlling the Shape Anisotropy of Monoclinic Nb ₁₂ O ₂₉ Nanocrystals Enables Tunable Electrochromic Spectral Range. Journal of the American Chemical Society, 2021, 143, 15745-15755.	6.6	23
2464	Temperature dependence of the electrochromic properties of complementary NiO/WO ₃ based devices. Solar Energy Materials and Solar Cells, 2021, 230, 111239.	3.0	21
2465	High performance flexible energy storage device based on copper foam supported NiMoO ₄ nanosheets-CNTs-CuO nanowires composites with core-shell holey nanostructure. Journal of Materials Science and Technology, 2021, 85, 87-94.	5.6	12
2466	Superior Sodium Storage Properties in the Anode Material NiCr ₂ S ₄ for Sodium-ion Batteries: An X-ray Diffraction, Pair Distribution Function, and X-ray Absorption Study Reveals a Conversion Mechanism via Nickel Extrusion. Advanced Materials, 2021, 33, e2101576.	11.1	25
2467	Secondary Bonding Channel Design Induces Intercalation Pseudocapacitance toward Ultrahigh Capacity and High Rate Organic Electrodes. Advanced Materials, 2021, 33, e2104039.	11.1	18
2468	Three-dimensional hierarchical urchin-like Nb ₂ O ₅ microspheres wrapped with N-doped carbon: An advanced anode for lithium-ion batteries. Journal of Alloys and Compounds, 2021, 876, 160145.	2.8	16
2469	From manganese oxide to manganese sulphide: Synthesis and its effect on electrochemical energy storage performance. Electrochimica Acta, 2021, 389, 138711.	2.6	9
2470	Revealing dual capacitive mechanism of carbon cathode toward ultrafast quasi-solid-state lithium ion capacitors. Journal of Energy Chemistry, 2021, 60, 209-221.	7.1	33
2471	Role of Electronic Structure in Li Ordering and Chemical Strain in the Fast Charging Wadsley-Roth Phase PNb ₉ O ₂₅ . Chemistry of Materials, 2021, 33, 7755-7766.	3.2	13
2472	Dual-Ligand Zn-Based Metal-Organic Framework as Reversible and Stable Anode Material for Next Generation Lithium-ion Batteries. Energy Technology, 2021, 9, 2100212.	1.8	5
2473	Tailoring Porous Transition Metal Oxide for High-Performance Lithium Storage. Journal of Physical Chemistry C, 2021, 125, 22435-22445.	1.5	7
2474	Polyacrylonitrile Derived Porous Carbon for Zinc-ion Hybrid Capacitors with High Energy Density. ChemElectroChem, 2021, 8, 3572-3578.	1.7	9
2475	Highly Graphitic N-Doped Biomass-Derived Hard Carbon with a Low Operating Potential for Potassium-ion Batteries. Energy Technology, 2021, 9, 2100644.	1.8	7

#	ARTICLE	IF	CITATIONS
2476	Toward Deterministic 3D Energy Storage Electrode Architectures via Electrodeposition of Molybdenum Oxide onto CNT Foams. <i>Energy & Fuels</i> , 2021, 35, 1010-1020.	2.5	3
2477	Insight into the effects of dislocations in nanoscale titanium niobium oxide (Ti ₂ Nb ₁₄ O ₃₉) anode for boosting lithium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 90-102.	5.0	16
2478	Uniformly growing Co ₉ S ₈ nanoparticles on flexible carbon foam as a free-standing anode for lithium-ion storage devices. <i>Carbon</i> , 2021, 182, 404-412.	5.4	29
2479	Spontaneous three-dimensional self-assembly of MXene and graphene for impressive energy and rate performance pseudocapacitors. <i>Electrochimica Acta</i> , 2021, 391, 138959.	2.6	37
2480	High-rate and ultralong-life Mg/Li hybrid batteries based on highly pseudocapacitive dual-phase TiO ₂ nanosheet cathodes. <i>Journal of Power Sources</i> , 2021, 506, 230118.	4.0	15
2481	Synthesis and electrochemical performances of MoS _x /ZnS/C composites for lithium ion battery application. <i>Ionics</i> , 2022, 28, 477-485.	1.2	1
2482	Aluminum Fluoride Coating on Layered Vanadium-Based Cathode Materials with Enhanced K Storage Performance in the High Potential Range. <i>Journal of Physical Chemistry C</i> , 2021, 125, 21359-21369.	1.5	4
2483	Mechanistic Insights into the Structural Modulation of Transition Metal Selenides to Boost Potassium Ion Storage Stability. <i>ACS Nano</i> , 2021, 15, 14697-14708.	7.3	44
2484	Porous manganese dioxide nanosheets on modified graphite felt for cathodes in high-capacity flexible Zinc-MnO ₂ batteries. <i>Vacuum</i> , 2021, 191, 110353.	1.6	10
2485	Solution-processable hierarchical-porous vanadium nitride films on silicon substrates for highly efficient symmetric supercapacitors. <i>Journal of Power Sources</i> , 2021, 507, 230269.	4.0	8
2486	Nitrogen-doped carbon decorated TiO ₂ /Ti ₃ C ₂ T MXene composites as anode material for high-performance sodium-ion batteries. <i>Surface and Coatings Technology</i> , 2021, 422, 127568.	2.2	22
2487	Nitrogen substituted graphdiyne as electrode for high-performance lithium-ion batteries and capacitors. <i>2D Materials</i> , 2021, 8, 044013.	2.0	5
2488	Nitrogen-doped/carbon-coated 2D TiO ₂ Scaly clusters as high-performance anode for Lithium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 23798-23810.	1.1	0
2489	Green synthesis of poly(o-phenylenediamine) polymer film on stainless steel as a corrosion protection layer. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51572.	1.3	2
2490	Effect of NaOH molarities to the microstructure and sodium storage performance of the Sn-MOF derived SnO ₂ microporous rod. <i>Nanotechnology</i> , 2021, 32, 485403.	1.3	4
2491	Supercritical CO ₂ foaming strategy to fabricate nitrogen/oxygen co-doped bi-continuous nanoporous carbon scaffold for high-performance potassium-ion storage. <i>Journal of Power Sources</i> , 2021, 507, 230275.	4.0	6
2492	Large-scale synthesis of few-layered copper antimony sulfide nanosheets as electrode materials for high-rate potassium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 984-994.	5.0	17
2493	Cation mixing in Wadsley-Roth phase anode of lithium-ion battery improves cycling stability and fast Li ⁺ storage. <i>Applied Physics Reviews</i> , 2021, 8, 041301.	5.5	21

#	ARTICLE	IF	CITATIONS
2494	Rational design of MnS nanoparticles anchored on N,S-codoped carbon matrix as anode for lithium-ion batteries. <i>Progress in Natural Science: Materials International</i> , 2021, 31, 649-655.	1.8	17
2495	In Situ Defect Induction in Close-Packed Lattice Plane for the Efficient Zinc Ion Storage. <i>Small</i> , 2021, 17, e2101944.	5.2	24
2496	Engineering of Battery Type Electrodes for High Performance Lithium Ion Hybrid Supercapacitors. <i>ChemElectroChem</i> , 2021, 8, 4686-4724.	1.7	7
2497	In Situ Investigation of Expansion during the Lithiation of Pillared MXenes with Ultralarge Interlayer Distance. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20791-20797.	1.5	0
2498	A universal electrochemical activation enabling lattice oxygen activation in nickel-based catalyst for efficient water oxidation. <i>Chemical Engineering Journal</i> , 2022, 430, 132736.	6.6	22
2499	Structural insights into the dynamic and controlled multiphase evolution of layered-spinel heterostructured sodium oxide cathode. <i>Cell Reports Physical Science</i> , 2021, 2, 100547.	2.8	23
2500	Pseudocapacitance enhanced by N-defects in Na ₃ MnTi(PO ₄) ₃ /N-doped carbon composite for symmetric full sodium-ion batteries. <i>Materials Today Energy</i> , 2021, 21, 100754.	2.5	23
2501	Fabrication of 2D Cu-BDC MOF and its derived porous carbon as anode material for high-performance Li/K-ion batteries. <i>Applied Surface Science</i> , 2021, 559, 149701.	3.1	49
2502	N-doped hierarchical porous hollow carbon spheres with multi-cavities for high performance Na-ion storage. <i>Journal of Power Sources</i> , 2021, 506, 230170.	4.0	21
2503	Fast potassium storage in porous CoV ₂ O ₆ nanosphere@graphene oxide towards high-performance potassium-ion capacitors. <i>Energy Storage Materials</i> , 2021, 40, 250-258.	9.5	46
2504	Carbon coating on metal oxide materials for electrochemical energy storage. <i>Nanotechnology</i> , 2021, 32, 502004.	1.3	10
2505	Understanding of the electrochemical behaviors of aqueous zinc-manganese batteries: Reaction processes and failure mechanisms. <i>Green Energy and Environment</i> , 2022, 7, 858-899.	4.7	20
2506	A high specific surface area porous carbon skeleton derived from MOF for high-performance Lithium-ion capacitors. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 844, 012002.	0.2	1
2507	K ₂ Ti ₄ O ₉ Nanoribbon Arrays Functionalized with Graphene Quantum Dots for Superior Pseudocapacitive Sodium Storage. <i>ChemElectroChem</i> , 2021, 8, 3410-3415.	1.7	3
2508	One-pot solvothermal preparation of graphene encapsulated SnO nanospheres composites for enhanced lithium storage. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126912.	2.3	6
2509	Nanoconfined ReS ₂ in biomass-derived 3D porous N-doped carbon architecture as anode for stable lithium-ion storage. <i>Electrochimica Acta</i> , 2021, 389, 138723.	2.6	3
2510	Hybrid Li-Ion Capacitor Operated within an All-Climate Temperature Range from -60 to +55 °C. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45630-45638.	4.0	6
2511	Engineering Functional Interface with Built-in Catalytic and Self-Oxidation Sites for Highly Stable Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2021, 27, 14444-14450.	1.7	0

#	ARTICLE	IF	CITATIONS
2512	Ship in bottle synthesis of yolk-shell MnS@hollow carbon spheres for sodium storage. <i>Nanotechnology</i> , 2021, 32, 505602.	1.3	11
2513	Diacid Molecules Welding Achieved Self-Adaption Layered Structure Ti ₃ C ₂ MXene toward Fast and Stable Lithium-Ion Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12930-12939.	3.2	24
2514	Effects of Crystallinity and Defects of Layered Carbon Materials on Potassium Storage: A Review and Prediction. <i>Electrochemical Energy Reviews</i> , 2022, 5, 401-433.	13.1	65
2515	Electrochemical performance of Na ₂ O@Li ₂ O@P ₂ S ₅ @V ₂ S ₅ glass@ceramic nanocomposites as electrodes for supercapacitors. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	3
2516	A polyanionic anthraquinone organic cathode for pure small-molecule organic Li-ion batteries. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 36801-36810.	3.8	5
2517	Design principles of high-voltage aqueous supercapacitors. <i>Materials Today Energy</i> , 2021, 21, 100739.	2.5	17
2518	Fe ₃ O ₄ @N-porous carbon nano rice/rGO sheet as positive electrode material for a high performance supercapattery. <i>Journal of Alloys and Compounds</i> , 2021, 879, 160264.	2.8	11
2519	Spinel Zn ₃ V ₃ O ₈ : A high-capacity zinc supplied cathode for aqueous Zn-ion batteries. <i>Energy Storage Materials</i> , 2021, 41, 297-309.	9.5	83
2520	Ultrathin MoSe ₂ nanosheets decorated on carbon aerogel microspheres for high-capacity supercapacitor electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2021, 899, 115643.	1.9	16
2521	Alleviating mechanical degradation of hexacyanoferrate via strain locking during Na ⁺ insertion/extraction for full sodium ion battery. <i>Nano Research</i> , 2022, 15, 2123-2129.	5.8	21
2522	Self-templated hollow nanospheres of B-site engineered non-stoichiometric perovskite for supercapacitive energy storage via anion-intercalation mechanism. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 729-739.	5.0	19
2523	2D titanium and vanadium carbide MXene heterostructures for electrochemical energy storage. <i>Energy Storage Materials</i> , 2021, 41, 554-562.	9.5	57
2524	Facile synthesis of WS ₂ /Ni ₃ S ₂ encapsulated in N-doped carbon hybrid electrode with high rate performance as anode for sodium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2021, 899, 115681.	1.9	12
2525	An ultra-stable anode material for high/low-temperature workable super-fast charging sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 422, 130054.	6.6	36
2526	Investigating the influence of synthesis route on the crystallinity and rate capability of niobium pentoxide for energy storage. <i>Electrochimica Acta</i> , 2021, 392, 138964.	2.6	6
2527	Host-Guest Intercalation Chemistry in MXenes and Its Implications for Practical Applications. <i>ACS Nano</i> , 2021, 15, 15502-15537.	7.3	38
2528	In situ construction of multi-dimensional Co ₃ O ₄ /NiCo ₂ O ₄ hierarchical flakes on self-supporting carbon substrate with ultra-high capacitance for hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 158-167.	5.0	19
2529	Dual-Ion Intercalation and High Volumetric Capacitance in a Two-Dimensional Non-Porous Coordination Polymer. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27119-27125.	7.2	17

#	ARTICLE	IF	CITATIONS
2530	Defect modulation of ZnMn ₂ O ₄ nanotube arrays as high-rate and durable cathode for flexible quasi-solid-state zinc ion battery. <i>Chemical Engineering Journal</i> , 2021, 422, 129890.	6.6	33
2531	Electrochemically constructing V-doped BiFeO ₃ nanoflake network anodes for flexible asymmetric micro-supercapacitors. <i>Electrochimica Acta</i> , 2021, 393, 139079.	2.6	13
2532	Hierarchical MoS ₂ /m-C@a-C@Ti ₃ C ₂ nano hybrids as superior electrodes for enhanced sodium storage and hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2021, 421, 129680.	6.6	22
2533	Kinetically enhanced electrochemical redox reactions by chemical bridging SnO ₂ and graphene sponges toward high-rate and long-cycle lithium ion battery. <i>Journal of Materials Science and Technology</i> , 2021, 88, 250-257.	5.6	3
2534	Exploration of cobalt selenite-carbon composite porous nanofibers as anode for sodium-ion batteries and unveiling their conversion reaction mechanism. <i>Journal of Materials Science and Technology</i> , 2021, 89, 24-35.	5.6	18
2535	Adjustable electrochemical properties of solid-solution MXenes. <i>Nano Energy</i> , 2021, 88, 106308.	8.2	55
2536	Vacancy engineering in VS ₂ nanosheets for ultrafast pseudocapacitive sodium ion storage. <i>Chemical Engineering Journal</i> , 2021, 421, 129715.	6.6	56
2537	Ultra-Stable, Ultra-Long-Lifespan and Ultra-High-Rate Na-ion Batteries Using Small-Molecule Organic Cathodes. <i>Energy Storage Materials</i> , 2021, 41, 738-747.	9.5	40
2538	Dual-ion Intercalation and High Volumetric Capacitance in a Two-dimensional Non-porous Coordination Polymer. <i>Angewandte Chemie</i> , 2021, 133, 27325-27331.	1.6	2
2539	Layered Hexaphenylbenzene (HPB) derivatives with pseudo-2D structure for high-performance Li ion batteries. <i>Energy Storage Materials</i> , 2021, 42, 109-117.	9.5	8
2540	Defect-domains enabling VO ₂ nanosheet arrays with fast charge transfer for 3.0 V aqueous supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 423, 130208.	6.6	28
2541	Tailoring the defects of two-dimensional borocarbonitride nanomesh for high energy density micro-supercapacitor. <i>Energy Storage Materials</i> , 2021, 42, 430-437.	9.5	25
2542	Cation-vacancy induced Li ⁺ intercalation pseudocapacitance at atomically thin heterointerface for high capacity and high power lithium-ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 62, 281-288.	7.1	14
2543	Co ₂ P wrapped Co ₃ O ₄ grass-like nanowires for improved electrochemical performance in supercapacitors. <i>Chemical Engineering Science: X</i> , 2021, 12, 100114.	1.5	2
2544	New insights into carbon-based and MXene anodes for Na and K-ion storage: A review. <i>Journal of Energy Chemistry</i> , 2021, 62, 660-691.	7.1	56
2545	One-step synthesis of CoON@C with superior energy storage performance for lithium ion battery anode. <i>Applied Surface Science</i> , 2021, 565, 150531.	3.1	0
2546	Engineering the architecture and oxygen deficiency of T-Nb ₂ O ₅ -carbon-graphene composite for high-rate lithium-ion batteries. <i>Nano Energy</i> , 2021, 89, 106398.	8.2	45
2547	The effect of alkaline electrolytes and silver nanoparticles on the electrochemical performance of the dilithium nickel bis(tungstate) as electrode materials for high-performance asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160754.	2.8	12

#	ARTICLE	IF	CITATIONS
2548	3D tremella-like nitrogen-doped carbon encapsulated few-layer MoS ₂ for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 594-603.	5.0	19
2549	Achieving highly reversible and fast sodium storage of Na ₄ V ₂ Mn(PO ₄) ₃ /C-rGO composite with low-fraction rGO via spray-drying technique. <i>Nano Energy</i> , 2021, 89, 106462.	8.2	45
2550	Insight into the structure-capacity relationship in biomass derived carbon for high-performance sodium-ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 62, 497-504.	7.1	34
2551	Textile-derived freestanding Fe ₃ O ₄ /Porous carbon cloth composite electrode for flexible Li-ion batteries with remarkable cycling stability. <i>Applied Surface Science</i> , 2021, 567, 150761.	3.1	12
2552	Carbon dioxide solid-phase embedding reaction of silicon-carbon nanoporous composites for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 423, 130127.	6.6	32
2553	Enhancing the Cycling Stability of Transition-Metal-Oxide-Based Electrochemical Electrode via Pourbaix Diagram Engineering. <i>Energy Storage Materials</i> , 2021, 42, 252-258.	9.5	22
2554	Three-dimensional porous carbon decorated with FeS ₂ nanospheres as electrode material for electrochemical energy storage. <i>Applied Surface Science</i> , 2021, 565, 150538.	3.1	23
2555	High voltage binder free hybrid supercapacitor based on reduced graphene oxide/graphene oxide electrodes and water in salt electrolyte. <i>Journal of Energy Storage</i> , 2021, 43, 103164.	3.9	19
2556	Electrochemically incorporated Cu nanoparticles in NaVO ₃ with enhanced sodium-ion battery performance. <i>Journal of Power Sources</i> , 2021, 513, 230535.	4.0	6
2557	Ultra-high areal capacitance and high rate capability RuO ₂ thin film electrodes for 3D micro-supercapacitors. <i>Energy Storage Materials</i> , 2021, 42, 259-267.	9.5	41
2558	Carbohydrate antigen 19-9 electrochemical immunosensor based on 1D-MoS ₂ nanorods/LiNb ₃ O ₈ and polyoxometalate-incorporated gold nanoparticles. <i>Microchemical Journal</i> , 2021, 170, 106643.	2.3	34
2559	High-performance of LaCoO ₃ /Co ₃ O ₄ nanocrystal as anode for lithium-ion batteries. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127265.	2.3	17
2560	High performance anode for sodium-ion batteries: Calcium pre-intercalated layered vanadium oxide/carbon composite. <i>Chemical Engineering Journal</i> , 2021, 424, 130378.	6.6	17
2561	Biomass derived carbon containing in-situ constructed nickel-based hydroxide nanostructures based on MnO ₂ template for high performance asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 884, 161149.	2.8	8
2562	Symmetric supercapacitors composed of ternary metal oxides (NiO/V ₂ O ₅ /MnO ₂) nanoribbon electrodes with high energy storage performance. <i>Chemical Engineering Journal</i> , 2021, 426, 131804.	6.6	31
2563	Band-gap shrinked NiO@Co ₃ O ₄ nanotubes as high-performance supercapacitor electrodes. <i>Journal of Alloys and Compounds</i> , 2021, 888, 161463.	2.8	26
2564	Elevating the discharge plateau of prussian blue analogs through low-spin Fe redox induced intercalation pseudocapacitance. <i>Energy Storage Materials</i> , 2021, 43, 182-189.	9.5	43
2565	Strong oxidation induced quinone-rich dopamine polymerization onto porous carbons as ultrahigh-capacity organic cathode for sodium-ion batteries. <i>Energy Storage Materials</i> , 2021, 43, 120-129.	9.5	26

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2566	A one-pot synthesis of nitrogen doped porous MXene/TiO ₂ heterogeneous film for high-performance flexible energy storage. <i>Chemical Engineering Journal</i> , 2021, 426, 130765.	6.6	46
2567	Benzene-bridged anthraquinones as a high-rate and long-lifespan organic cathode for advanced Na-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 426, 131251.	6.6	12
2568	High energy Na-ion capacitor employing graphitic carbon fibers from waste rubber with diglyme-based electrolyte. <i>Chemical Engineering Journal</i> , 2021, 426, 130892.	6.6	11
2569	Construction of CoNi ₂ S ₄ hollow cube structures for excellent performance asymmetric supercapacitors. <i>Applied Surface Science</i> , 2021, 570, 151174.	3.1	36
2570	Polyaniline-expanded the interlayer spacing of hydrated vanadium pentoxide by the interface-intercalation for aqueous rechargeable Zn-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 641-650.	5.0	57
2571	Molybdenophosphate thin film decorated on the surface of MoS ₂ nanoflakes for aqueous K-ion capacitors. <i>Chemical Engineering Journal</i> , 2022, 428, 131179.	6.6	14
2572	Rational design of few-layer FePS ₃ nanosheets@N-doped carbon composites as anodes for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 427, 130882.	6.6	22
2573	A dual-polymer strategy boosts hydrated vanadium oxide for ammonium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1322-1332.	5.0	33
2574	High-capacity Bi ₂ O ₃ anode for 2.4V neutral aqueous sodium-ion battery-supercapacitor hybrid device through phase conversion mechanism. <i>Journal of Energy Chemistry</i> , 2022, 65, 605-615.	7.1	42
2575	Freestanding conversion-type anode via one-pot formation for flexible Li-ion battery. <i>Chemical Engineering Journal</i> , 2022, 427, 130937.	6.6	12
2576	Ammonium vanadium oxide framework with stable NH ₄ ⁺ aqueous storage for flexible quasi-solid-state supercapacitor. <i>Chemical Engineering Journal</i> , 2022, 427, 131548.	6.6	39
2577	Ti ₃ C ₂ T MXene based hybrid electrodes for wearable supercapacitors with varied deformation capabilities. <i>Chemical Engineering Journal</i> , 2022, 429, 132232.	6.6	20
2578	Binary doping of nitrogen and phosphorus into porous carbon: A novel di-functional material for enhancing CO ₂ capture and super-capacitance. <i>Journal of Materials Science and Technology</i> , 2022, 99, 73-81.	5.6	54
2579	Template-directed Prussian blue nanocubes supported on Ni foam as the binder-free anode of lithium-ion batteries. <i>Applied Surface Science</i> , 2022, 571, 151194.	3.1	13
2580	Highly active cobalt-doped nickel sulfide porous nanocones for high-performance quasi-solid-state zinc-ion batteries. <i>Journal of Energy Chemistry</i> , 2022, 66, 237-249.	7.1	15
2581	Heterostructure engineering of ultrathin SnS ₂ /Ti ₃ C ₂ T nanosheets for high-performance potassium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 167-176.	5.0	28
2582	One-step synthesis Nb ₂ CT MXene with excellent lithium-ion storage capacity. <i>Journal of Alloys and Compounds</i> , 2021, 889, 161542.	2.8	14
2583	Perovskite fluoride KMF ₃ (M ^A =Ni or Co)@reduced graphene oxide anode for Na-based dual-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 891, 161905.	2.8	4

#	ARTICLE	IF	CITATIONS
2584	Layered Fe ₂ (MoO ₄) ₃ assemblies with pseudocapacitive properties as advanced materials for high-performance sodium-ion capacitors. Chemical Engineering Journal, 2022, 427, 131481.	6.6	26
2585	Biomass-derived hierarchical N, P codoped porous 3D-carbon framework@TiO ₂ hybrids as advanced anode for lithium ion batteries. Journal of Colloid and Interface Science, 2022, 606, 577-587.	5.0	38
2586	Improved zinc-ion storage performance of the metal-free organic anode by the effect of binder. Chemical Engineering Journal, 2022, 428, 131092.	6.6	28
2587	Introduction to supercapattery. , 2021, , 45-61.		8
2588	High-Energy and High-Power Pseudocapacitorâ€“Battery Hybrid Sodium-Ion Capacitor with Na+ Intercalation Pseudocapacitance Anode. Nano-Micro Letters, 2021, 13, 55.	14.4	58
2589	State-of-the-art and perspectives in the use of biochar for electrochemical and electroanalytical applications. Green Chemistry, 2021, 23, 5272-5301.	4.6	36
2590	A F-deficient and high-Mn ternary perovskite fluoride anode with a dominant conversion mechanism for advanced Li-ion batteries. Chemical Communications, 2021, 57, 7705-7708.	2.2	8
2591	High-rate aqueous zinc-ion batteries enabled by a polymer/graphene composite cathode involving reversible electrolyte anion doping/dedoping. Journal of Materials Chemistry A, 2021, 9, 10666-10671.	5.2	27
2592	A conjugated tetracarboxylate anode for stable and sustainable Na-ion batteries. Chemical Communications, 2021, 57, 2360-2363.	2.2	12
2593	Fast lithium-ion conductivity in the â€“empty-perovskiteâ€™ $A_{2-x}B_{2-x}S_{2-x}O_{5-x}$ Ruddlesdenâ€“Popper-type oxysulphide $Y_{2-x}Ti_{2-x}S_{2-x}O_{5-x}$. Journal of Materials Chemistry A, 2021, 9, 7068-7084.	5.2	8
2594	Nb ₃ O ₇ F mesocrystals: orientation formation and application in lithium ion capacitors. CrystEngComm, 2021, 23, 6012-6022.	1.3	2
2595	High-performance ZnCo ₂ O ₄ microsheets as an anode for lithium-ion batteries. Chemical Communications, 2021, 57, 10723-10726.	2.2	17
2596	Bimetalâ€“organic-framework derived CoTiO ₃ /C hexagonal micro-prisms as high-performance anode materials for metal ion batteries. Materials Chemistry Frontiers, 2021, 5, 5760-5768.	3.2	10
2597	A MoSe ₂ /N-doped hollow carbon sphere host for rechargeable Naâ€“Se batteries. Dalton Transactions, 2021, 50, 7705-7714.	1.6	17
2598	Synthesis and characterization of metalâ€“organic framework/biomass-derived CoSe/C@C hierarchical structures with excellent sodium storage performance. Nanoscale, 2021, 13, 4167-4176.	2.8	21
2599	In situ construction of one-dimensional porous MnO@C nanorods for electrode materials. New Journal of Chemistry, 2021, 45, 4422-4426.	1.4	4
2600	Nanoscale anodes for rechargeable batteries: Fundamentals and design principles. , 2021, , 91-157.		2
2601	Carbon-coated TiNb ₂ O ₇ nanosheet arrays as self-supported high mass-loading anodes for flexible Li-ion batteries. Chemical Communications, 2021, 57, 1822-1825.	2.2	12

#	ARTICLE	IF	CITATIONS
2602	Biomimetic-inspired: rapid preparation of a silicon-based composite as a high-performance lithium-ion battery anode. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11614-11622.	5.2	10
2603	Manganese phosphoxide/Ni ₅ P ₄ hybrids as an anode material for high energy density and rate potassium-ion storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13936-13949.	5.2	5
2604	Outstanding Low-Temperature Performance of Structure-Controlled Graphene Anode Based on Surface-Controlled Charge Storage Mechanism. <i>Advanced Functional Materials</i> , 2021, 31, 2009397.	7.8	34
2605	Natural template derived porous carbon nanoplate architectures with tunable pore configuration for a full-carbon sodium-ion capacitor. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23607-23618.	5.2	19
2606	Pillared Mo ₂ TiC ₂ MXene for high-power and long-life lithium and sodium-ion batteries. <i>Nanoscale Advances</i> , 2021, 3, 3145-3158.	2.2	46
2607	Direct synthesis of metal selenide hybrids as superior sodium storage anodes. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7852-7860.	3.2	4
2608	Bioinspired Redox-Active Catechol-Bearing Polymers as Ultrarobust Organic Cathodes for Lithium Storage. <i>Advanced Materials</i> , 2017, 29, 1703373.	11.1	101
2609	Amorphous Tin-Based Composite Oxide: A High-Rate and Ultralong-Life Sodium-Ion Storage Material. <i>Advanced Energy Materials</i> , 2018, 8, 1701827.	10.2	113
2610	Selenium Impregnated Monolithic Carbons as Free-Standing Cathodes for High Volumetric Energy Lithium and Sodium Metal Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1701918.	10.2	132
2611	Oxygen-Deficient Blue TiO ₂ for Ultrastable and Fast Lithium Storage. <i>Advanced Energy Materials</i> , 2020, 10, 1903107.	10.2	83
2612	Synergistic Effect of Nitrogen and Sulfur Dual-Doping Endows TiO ₂ with Exceptional Sodium Storage Performance. <i>Advanced Energy Materials</i> , 2021, 11, 2003037.	10.2	99
2613	Unique amorphous manganese oxide/rGo anodes for lithium-ion batteries with high capacity and excellent stability. <i>Ionics</i> , 2020, 26, 4339-4349.	1.2	10
2614	Microstructure Design of Carbon-Coated Nb ₂ O ₅ -Si Composites as Reversible Li Storage Materials. <i>Electronic Materials Letters</i> , 2020, 16, 376-384.	1.0	10
2615	Bimetallic Sulfide/Sulfur Doped T ₃ C ₂ T _x MXene Nanocomposites as High-performance Anode Materials for Sodium-ion Batteries. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 431-438.	1.3	26
2616	Cocoon Silk-Derived, Hierarchically Porous Carbon as Anode for Highly Robust Potassium-Ion Hybrid Capacitors. <i>Nano-Micro Letters</i> , 2020, 12, 113.	14.4	74
2617	Journey from supercapacitors to supercapatteries: recent advancements in electrochemical energy storage systems. <i>Emergent Materials</i> , 2020, 3, 347-367.	3.2	59
2618	Structural engineering of porous N-doped carbon-coated Fe ₃ O ₄ framework by controlling coordination for superior lithium-ion full-cell. <i>Applied Surface Science</i> , 2020, 526, 146639.	3.1	12
2619	Constructing three-dimensional ordered porous MoS ₂ /C hierarchies for excellent high-rate long-life pseudocapacitive sodium storage. <i>Chemical Engineering Journal</i> , 2020, 397, 125385.	6.6	65

#	ARTICLE	IF	CITATIONS
2620	Surface engineering Co ^B nanoflakes on Mn _{0.33} Co _{0.67} CO ₃ microspheres as multifunctional bridges towards facilitating Li ⁺ storing performance. <i>Ceramics International</i> , 2020, 46, 19873-19879.	2.3	4
2621	Electrochemical uptake/release of lithium in GaNb ₁₁ O ₂₉ nanowires as anode material for rechargeable lithium ion battery. <i>Ceramics International</i> , 2020, 46, 20537-20544.	2.3	5
2622	Capacitive deionization with MoS ₂ /g-C ₃ N ₄ electrodes. <i>Desalination</i> , 2020, 479, 114348.	4.0	63
2623	Sulfur doped ultra-thin anatase TiO ₂ nanosheets/graphene nanocomposite for high-performance pseudocapacitive sodium storage. <i>Energy Storage Materials</i> , 2018, 12, 37-43.	9.5	85
2624	Rod-shaped monoclinic CoMo ₂ S ₄ with exceptionally reversible phase conversion for sodium storage. <i>Journal of Alloys and Compounds</i> , 2020, 838, 155613.	2.8	10
2625	N-doped carbon encapsulated CoMoO ₄ nanorods as long-cycle life anode for sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 576, 176-185.	5.0	50
2626	Integration of Localized Electric-Field Redistribution and Interfacial Tin Nanocoating of Lithium Microparticles toward Long-Life Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 650-659.	4.0	24
2627	New Anode Material for Lithium-Ion Batteries: Aluminum Niobate (AlNb ₁₁ O ₂₉). <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6089-6096.	4.0	93
2628	Novel insights into the charge storage mechanism in pseudocapacitive vanadium nitride thick films for high-performance on-chip micro-supercapacitors. <i>Energy and Environmental Science</i> , 2020, 13, 949-957.	15.6	78
2629	Ultrafast cation insertion-selected zinc hexacyanoferrate for 1.9 ÅV ^{Zn} hybrid aqueous batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6631-6637.	5.2	66
2630	Electrochemically customized assembly of a hybrid xerogel material via combined covalent and non-covalent conjugation chemistry: an approach for boosting the cycling performance of pseudocapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6740-6756.	5.2	28
2631	A metal-organic framework-derived pseudocapacitive titanium oxide/carbon core/shell heterostructure for high performance potassium ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16302-16311.	5.2	40
2632	Comparative study on electrochemical charge storage behavior of FeCo ₂ S ₄ electrodes with different dimensional nanostructures. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	14
2633	Polyethylene glycol mediated synthesis of iron vanadate (FeVO ₄) nanoparticles with supercapacitive features. <i>Materials Research Express</i> , 2020, 7, 064010.	0.8	9
2634	Operando surface science methodology reveals surface effect in charge storage electrodes. <i>National Science Review</i> , 2021, 8, nwaa289.	4.6	13
2635	Diffusion-driven ultralow thermal conductivity in amorphous Nb_2O_5 thin films. <i>Physical Review Materials</i> , 2019, 3, .	0.9	18
2636	Electrochemical study of TiO ₂ in aqueous AlCl ₃ electrolyte via vacuum impregnation for superior high-rate electrode performance. <i>BMC Energy</i> , 2019, 1, .	6.3	9
2637	Effect of Vinylene Carbonate Electrolyte Additive on the Surface Chemistry and Pseudocapacitive Sodium-Ion Storage of TiO ₂ Nanosheet Anodes. <i>Batteries</i> , 2021, 7, 1.	2.1	12

#	ARTICLE	IF	CITATIONS
2638	Characterization of Electric Double-Layer Capacitor with 0.75M NaI and 0.5 M VOSO ₄ Electrolyte. Journal of Electrochemical Science and Technology, 2018, 9, 20-27.	0.9	3
2639	Applications of Voltammetry in Lithium Ion Battery Research. Journal of Electrochemical Science and Technology, 2020, 11, 14-25.	0.9	166
2640	Nanostructured Electrode Materials for Rechargeable Lithium-Ion Batteries. Journal of Electrochemical Science and Technology, 2020, 11, 195-219.	0.9	25
2641	Electro-chemo-mechanical charge carrier equilibrium at interfaces. Physical Chemistry Chemical Physics, 2021, 23, 23730-23740.	1.3	2
2642	Hollow MoS ₂ /Co nanopillars with boosted Li-ion diffusion rate and long-term cycling stability. Chemical Communications, 2021, 57, 11521-11524.	2.2	5
2643	Freestanding MXene-hydrogels prepared <i>via</i> critical density-controlled self-assembly: high-performance energy storage with ultrahigh capacitive <i>vs.</i> diffusion-limited contribution. Journal of Materials Chemistry A, 2021, 9, 25013-25023.	5.2	7
2644	Vanadium dioxide/zinc oxide stacked photocathodes for photo-rechargeable zinc-ion batteries. Journal of Materials Chemistry A, 2021, 9, 23199-23205.	5.2	41
2645	Synthesis, characterizations and electrochemical performances of anhydrous CoC ₂ O ₄ nanorods for pseudocapacitive energy storage applications. RSC Advances, 2021, 11, 33926-33937.	1.7	10
2646	Constructing robust and freestanding MXene/Si@C core-shell nanofibers <i>via</i> coaxial electrospinning for high performance Li-ion batteries. Materials Chemistry Frontiers, 2021, 5, 8218-8228.	3.2	10
2647	N, S Co-Doped Bagasse Mesoporous Carbon with Enhanced Electrochemical Performance. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 1161-1174.	0.1	1
2648	Electrochemical Performance of Aluminum Doped Ni _{1-x} Al _x Co ₂ O ₄ Hierarchical Nanostructure: Experimental and Theoretical Study. Processes, 2021, 9, 1750.	1.3	5
2649	Cubic Spinel XIn ₂ S ₄ (X = Fe, Co, Mn): A New Type of Anode Material for Superfast and Ultrastable Na ⁺ Ion Storage. Advanced Energy Materials, 2021, 11, 2102137.	10.2	23
2650	Wide Voltage Aqueous Asymmetric Supercapacitors: Advances, Strategies, and Challenges. Advanced Functional Materials, 2022, 32, 2108107.	7.8	90
2651	Suppression of self-discharge in a non-flowing bromine battery via in situ generation of countercharged groups. Cell Reports Physical Science, 2021, 2, 100620.	2.8	2
2652	Revealing the Fast and Durable Na ⁺ Insertion Reactions in a Layered Na ₃ Fe ₃ (PO ₄) ₄ Anode for Aqueous Na-Ion Batteries. ACS Materials Au, 2022, 2, 63-71.	2.6	7
2653	Synthesis of Electrospun NASICON Li _{1.5} Al _{0.5} Ge _{1.5} (PO ₄) ₃ Solid Electrolyte Nanofibers by Control of Germanium Hydrolysis. Journal of the Electrochemical Society, 2021, 168, 110512.	1.3	6
2654	Micrometer-Sized, Dual-Conductive MoO ₂ /MoO ₃ Mosaics <i>for High Volumetric Capacity Li/Na⁺ Ion Batteries</i> . Small Methods, 2021, 5, e2100765.	4.6	17
2655	Mn _{0.26} V ₂ O ₅ ·nH ₂ O Nanoribbons with Fast Ion Diffusion Channels and High Electrical Conductivity for Intercalation Pseudocapacitive Zn ²⁺ Storage. Energy & Fuels, 2021, 35, 17948-17955.	2.5	7

#	ARTICLE	IF	CITATIONS
2656	Ultra-High Sulfur-Doped Hierarchical Porous Hollow Carbon Sphere Anodes Enabling Unprecedented Durable Potassium-Ion Hybrid Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49942-49951.	4.0	25
2657	Defect-Engineered NiCo-S Composite as a Bifunctional Electrode for High-Performance Supercapacitor and Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47717-47727.	4.0	61
2658	Multidimensional Dual-Carbon Skeleton Network Confined MnO _x Anode Boosting High-Performance Lithium-Ion Hybrid Capacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 11268-11278.	2.5	8
2659	Fe saponite, a layered silicate for reversible lithium-ions storage with large diffusion coefficient. <i>Journal of Energy Chemistry</i> , 2022, 67, 92-100.	7.1	3
2660	2D Silicene Nanosheets for High-Performance Zinc-Ion Hybrid Capacitor Application. <i>ACS Nano</i> , 2021, 15, 16533-16541.	7.3	26
2661	Solvent Co-Intercalation-Induced Activation and Capacity Fade Mechanism of Few-Layered MXenes in Lithium Ion Batteries. <i>Small</i> , 2021, 17, e2104130.	5.2	12
2662	Lithium Storage in Nanodimensional TiO ₂ /Carbon Nanosheet Composites: Implications for Battery Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 11288-11295.	2.4	2
2663	Polyvinylpyrrolidone regulated synthesis of mesoporous titanium niobium oxide as high-performance anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1782-1791.	5.0	12
2664	Nb ₂ O ₅ nanoparticles embedding in graphite hybrid as a high-rate and long-cycle anode for lithium-ion batteries. <i>Rare Metals</i> , 2022, 41, 814-821.	3.6	28
2665	A Comprehensive Review of Graphene-Based Anode Materials for Lithium-ion Capacitors. <i>Chemistry</i> , 2021, 3, 1215-1246.	0.9	14
2666	Molybdenum Disulfide-Zinc Oxide Photocathodes for Photo-Rechargeable Zinc-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 16616-16624.	7.3	70
2667	Exalted redox frameworks of Cu-MOF/polyaniline/RGO based composite electrodes by integrating silver nanoparticles as a catalytic agent for superior energy featured supercapatteries. <i>Electrochimica Acta</i> , 2021, 400, 139489.	2.6	15
2668	Fluorine-induced dual defects in NiP ₂ anode with robust sodium storage performance. <i>Nano Research</i> , 2022, 15, 2147-2156.	5.8	16
2669	Substrate Dependent Charge Transfer Kinetics at the Solid/Liquid Interface of Carbon-Based Electrodes with Potential Application for Organic Na-Ion Batteries. <i>Israel Journal of Chemistry</i> , 2022, 62, .	1.0	4
2670	Encapsulation of selenium in MOF-derived N,O-codoped porous flower-like carbon host for Na-Se batteries. <i>Chemical Engineering Journal</i> , 2022, 430, 132737.	6.6	13
2671	Atomic layer deposition of alumina onto yolk-shell FeS/MoS ₂ as universal anodes for Li/Na/K-Ion batteries. <i>Electrochimica Acta</i> , 2022, 402, 139471.	2.6	12
2672	How Do Oxygen Vacancies Influence the Catalytic Performance of Two-Dimensional Nb ₂ O ₅ in Lithium- and Sodium-Oxygen Batteries?. <i>ChemSusChem</i> , 2021, 14, 5488-5498.	3.6	17
2673	The complementary advanced characterization and electrochemical techniques for electrode materials for supercapacitors. <i>Journal of Energy Storage</i> , 2021, 44, 103370.	3.9	23

#	ARTICLE	IF	CITATIONS
2674	Enhancing the low-temperature performance in lithium ion batteries of Nb ₂ O ₅ by combination of W doping and MXene addition. Journal of Power Sources, 2021, 515, 230601.	4.0	18
2675	Toward ultra-long cycling stability and high lithium storage performances: Silica anodes with catalytic effects of low-cost metals particles. Applied Materials Today, 2021, 25, 101205.	2.3	5
2676	Application and prospect of supercapacitors in Internet of Energy (IOE). Journal of Energy Storage, 2021, 44, 103299.	3.9	26
2677	Title is missing!. Electrochemistry, 2017, 85, 740-745.	0.6	1
2678	Graphene Foam/Carbon Nanotubes Hybrid Film Based Flexible Alkaline Rechargeable Ni/Fe Battery. Springer Theses, 2017, , 85-100.	0.0	0
2680	Preparation of Potassium Niobate Nanosheet Composite as Electrode for Supercapacitors. Material Sciences, 2018, 08, 726-735.	0.0	0
2681	New High-energy Anode Materials. , 2019, , 1-25.		1
2682	Facile Synthesis of Porous SnSb Alloy Anode for Li-Ion Battery. Materials Sciences and Applications, 2019, 10, 1-11.	0.3	0
2683	X-Ray Studies of Energy Materials. , 2019, , 1-22.		0
2684	Lithium-Ion Batteries for Electric Vehicle Application. Annals of Chemical Science Research, 2020, 2, .	0.1	0
2685	Porous Carbon Nanosheets Armoring 3D Current Collectors toward Ultrahigh Mass Loading for High-Energy-Density All-Solid-State Supercapacitors. ACS Applied Materials & Interfaces, 2021, 13, 52519-52529.	4.0	6
2686	Cage-Confinement Pyrolysis Strategy to Synthesize Hollow Carbon Nanocage-Coated Copper Phosphide for Stable and High-Capacity Potassium-Ion Storage. ACS Applied Materials & Interfaces, 2021, 13, 52697-52705.	4.0	10
2687	T-Nb ₂ O ₅ @NbS ₂ @C Composites Based on the Intercalation-Conversion Mechanism as an Anode Material for Li-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 12365-12373.	2.5	5
2688	Spider-web-inspired cellulose nanofibrils networking polyaniline-encapsulated silica nanoparticles as anode material of lithium-ion batteries. Carbohydrate Polymers, 2022, 277, 118833.	5.1	11
2689	Lithium Storage Performance Boosted via Delocalizing Charge in Zn _x /Co _{1-x} PS ₃ /CoS ₂ of 2D/3D Heterostructure. Small, 2022, 18, e2104295.	5.2	13
2690	Biomass-Derived High Nitrogen-Rich Carbon Tubes as Anode for Sodium Ion Hybrid Capacitors. ChemElectroChem, 0, , .	1.7	4
2691	Dual-ligand and hard-soft-acid-base strategies to optimize metal-organic framework nanocrystals for stable electrochemical cycling performance. National Science Review, 2022, 9, .	4.6	171
2692	Rational design of double-sandwich-like C@Co ₂ SiO ₄ /rGO architectures boost electrochemical performances of Co ₂ SiO ₄ for energy storage devices. Chemical Engineering Journal, 2022, 431, 133277.	6.6	41

#	ARTICLE	IF	CITATIONS
2693	Electrochemically Induced Deformation Determines the Rate of Lithium Intercalation in Bulk TiS_2 . ACS Energy Letters, 2021, 6, 4173-4178.	8.8	11
2694	TiO_2 -VO ₂ /carbon nanotubes core-shelled microspheres and their applications for advanced cathode in aqueous zinc ion batteries. Electrochimica Acta, 2021, 400, 139425.	2.6	19
2695	Synthesis of a novel hexagonal porous $\text{Ti-Nb}_2\text{O}_5$ via solid state reaction for high-performance lithium ion battery anodes. Journal of Central South University, 2020, 27, 3625-3636.	1.2	26
2696	Molecular-Level Encapsulation Strategy: Host-Guest Inclusion-Complex-Derived Carbon-Encapsulated Nanocomposites for High Performance Lithium Ion Storage. Advanced Materials Interfaces, 2021, 8, 2001847.	1.9	3
2697	Long cycle life aqueous rechargeable battery Zn/Vanadium hexacyanoferrate with $\text{H}^+/\text{Zn}^{2+}$ coinsertion for high capacity. Chemical Engineering Journal, 2022, 430, 132864.	6.6	37
2698	Interlayer gap widened TiS_2 for highly efficient sodium-ion storage. Journal of Materials Science and Technology, 2022, 107, 64-69.	5.6	50
2699	X-Ray Studies of Energy Materials. , 2020, , 1803-1824.		0
2701	NH_3 modified $\text{Ti-Na}_0.33\text{V}_2\text{O}_5$ with high capacity for aqueous zinc ion battery cathode. Journal of Alloys and Compounds, 2022, 895, 162615.	2.8	15
2702	NiS_2 microsphere/carbon nanotubes hybrids with reinforced concrete structure for potassium ion storage. Journal of Electroanalytical Chemistry, 2022, 904, 115852.	1.9	7
2703	High supercapacitance performance of nitrogen-doped $\text{Ti}_3\text{C}_2\text{T}$ prepared by molten salt thermal treatment. Electrochimica Acta, 2022, 403, 139528.	2.6	10
2704	$\text{Mn}(\text{OH})_2$ -containing $\text{Co}(\text{OH})_2/\text{Ni}(\text{OH})_2$ Core-shelled structure for ultrahigh energy density asymmetric supercapacitor. Applied Surface Science, 2022, 576, 151805.	3.1	21
2705	Construction of solid-liquid fluorine transport channel to enable highly reversible conversion cathodes. Science Advances, 2021, 7, eabj1491.	4.7	41
2706	V ₅ S ₈ nanoparticles anchored on carbon nanofibers for fast and durable sodium and potassium ion storage. Journal of Electroanalytical Chemistry, 2021, 903, 115841.	1.9	9
2707	Constructing stable 2e^- tunnel-structured $\text{K}_{1.28}\text{Ti}_8\text{O}_{16}$ @N-doped carbon nanofibers for ultralong cycling sodium-ion batteries. Electrochimica Acta, 2021, , 139522.	2.6	2
2708	Lithiated Hybrid Polymer/Inorganic PAA/ MnO_2 Protection Layer for High-Performance Tin Oxide Alloy Anode. ACS Applied Energy Materials, 2021, 4, 13208-13215.	2.5	5
2709	The role of nanomaterials for supercapacitors and hybrid devices. Frontiers of Nanoscience, 2021, 19, 99-136.	0.3	5
2710	Dense SnS_2 nanoplates vertically anchored on a graphene aerogel for pseudocapacitive sodium storage. Materials Chemistry Frontiers, 2022, 6, 325-332.	3.2	22
2711	Water enables a performance jump of glass anode for lithium-ion batteries. Journal of Non-Crystalline Solids, 2022, 576, 121225.	1.5	5

#	ARTICLE	IF	CITATIONS
2712	A truncated octahedron metal-organic framework derived TiO ₂ @C@MoS ₂ composite with superior lithium-ion storage properties. <i>Journal of Power Sources</i> , 2022, 518, 230746.	4.0	10
2713	Imidazolium cation linkers of polyoxomolybdate-polypyrrole nanocomposite electrode-based energy storage supercapacitors. <i>Materials Chemistry and Physics</i> , 2022, 277, 125441.	2.0	4
2714	Encapsulation of Se in dual-wall hollow carbon spheres: Physical confinement and chemisorption for superior Na ⁺ /Se and K ⁺ /Se batteries. <i>Carbon</i> , 2022, 187, 354-364.	5.4	19
2715	Controlling precise voids in the ion-selective carbon shell for zero-strain electrode. <i>Energy Storage Materials</i> , 2022, 45, 110-118.	9.5	8
2716	Defect-Concentration-Mediated Ta ₂ O ₅ Anodes for Durable and Fast-Charging Li-Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, 2107060.	7.8	68
2717	Recent advances in Mg-Li and Mg-Na hybrid batteries. <i>Energy Storage Materials</i> , 2022, 45, 142-181.	9.5	29
2718	â€œPorous and Yet Denseâ€ Electrodes for High-Volumetric-Performance Electrochemical Capacitors: Principles, Advances, and Challenges. <i>Advanced Science</i> , 2022, 9, e2103953.	5.6	9
2719	Titanium Dioxide/Graphene Nanocomposites as High-Performance Anode Material for Lithium Ion Batteries. <i>Environmental Chemistry for A Sustainable World</i> , 2022, , 25-61.	0.3	0
2720	A nanosilver-actuated high-performance porous silicon anode from recycling of silicon waste. <i>Materials Today Nano</i> , 2022, 17, 100162.	2.3	7
2721	Multifunctional Nickel-Cobalt Phosphates for High-Performance Hydrogen Gas Batteries and Self-Powered Water Splitting. <i>ACS Applied Energy Materials</i> , 2021, 4, 12927-12934.	2.5	12
2722	Lithium-Storage Performance and Mechanism of a (Ni _{0.5} Co _{0.5}) ₉ S ₈ @NC Hollow Nanocube Composite as an Advanced Anode. <i>Journal of Physical Chemistry C</i> , 0, , .	1.5	5
2723	Poly(benzobisthiazole-dione) Frameworks for Highly Reversible Sodium- and Potassium-Ion Storage. <i>Energy & Fuels</i> , 2021, 35, 20367-20373.	2.5	5
2724	In Situ Formed Lithiophilic Li _x Nb _y O in a Carbon Nanofiber Network for Dendrite-Free Li-Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 56498-56509.	4.0	6
2725	Self-Assembled NbOPO ₄ Nanosheet/Reduced Graphene Oxide Heterostructure for Capacitive Desalination. <i>ACS Applied Nano Materials</i> , 2021, 4, 12629-12639.	2.4	11
2726	Fast-charging and long-lasting Mg-Na hybrid batteries based on extremely pseudocapacitive bronze TiO ₂ nanosheet cathodes. <i>Chemical Engineering Journal</i> , 2022, 433, 133810.	6.6	9
2727	Applications and Future Trends in Mesoporous Materials. <i>Engineering Materials</i> , 2022, , 235-258.	0.3	1
2728	Tunable Intracrystal Cavity in Tungsten Bronze-Like Bimetallic Oxides for Electrochromic Energy Storage. <i>Advanced Energy Materials</i> , 2022, 12, 2103106.	10.2	48
2729	Dual ions enable vanadium oxide hydration with superior Zn ²⁺ storage for aqueous zinc-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 433, 133795.	6.6	88

#	ARTICLE	IF	CITATIONS
2730	Future Directions for Electrochemical Capacitors. ACS Energy Letters, 2021, 6, 4311-4316.	8.8	53
2731	Redispersed Bi nanoparticles on graphene fiber fabric anode regulated by microwave irradiation for flexible sodium ion capacitors. Chemical Engineering Journal, 2022, 433, 133521.	6.6	8
2732	Construction of hierarchical yolk-shell structured Mn ₃ O ₄ @NC as efficient sulfur hosts for Li-ion batteries. Ceramics International, 2021, 48, 6470-6470.	2.3	6
2733	Heterostructures assembled from graphitic carbon nitride and Ti ₃ C ₂ T MXene as high-capacity cathode for aluminum batteries. Journal of Alloys and Compounds, 2022, 896, 162901.	2.8	10
2734	2D-2D MXene/ReS ₂ hybrid from Ti ₃ C ₂ T _x MXene conductive layers supporting ultrathin ReS ₂ nanosheets for superior sodium storage. Chemical Engineering Journal, 2022, 431, 133796.	6.6	36
2735	Fast Ionic Storage in Aqueous Rechargeable Batteries: From Fundamentals to Applications. Advanced Materials, 2022, 34, e2105611.	11.1	62
2736	Two-dimensional quantum-sheet films with sub-1.2-nm channels for ultrahigh-rate electrochemical capacitance. Nature Nanotechnology, 2022, 17, 153-158.	15.6	55
2737	Nickel Niobate Anodes for High Rate Lithium-ion Batteries. Advanced Energy Materials, 2022, 12, .	10.2	49
2738	Review on Pseudocapacitive Energy Storage Materials from High-Phase Compounds to High-Entropy Ceramics. Journal of the Electrochemical Society, 2021, 168, 120521.	1.3	12
2739	RGO/Manganese Silicate/MOF-derived carbon Double-Sandwich-Like structure as the cathode material for aqueous rechargeable Zn-ion batteries. Journal of Colloid and Interface Science, 2022, 610, 805-817.	5.0	16
2740	Porous Carbon Tubes Constructing Freestanding Flexible Electrodes for Symmetric Potassium-Ion Hybrid Capacitors. ACS Applied Energy Materials, 2021, 4, 13593-13604.	2.5	8
2741	Sustainable Recycling of Cathode Scrap towards High-Performance Anode Materials for Li-ion Batteries. Advanced Energy Materials, 2022, 12, 2103288.	10.2	18
2742	Interlayer Spacing Regulation of NiCo-LDH Nanosheets with Ultrahigh Specific Capacity for Battery-Type Supercapacitors. ACS Applied Materials & Interfaces, 2021, 13, 56692-56703.	4.0	61
2743	Ag-vanadate nanosheets synthesis by sol-gel technique. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	0
2744	In Situ Preparation of MXenes in Ambient-Temperature Organic Ionic Liquid Aluminum Batteries with Ultrastable Cycle Performance. ACS Applied Materials & Interfaces, 2021, 13, 55112-55122.	4.0	10
2745	Flexible aqueous asymmetric capacitor with SiC-decorated boron-doped graphene cathode and core-shell SiC@graphene anode. Chemical Engineering Journal, 2022, 433, 133576.	6.6	3
2746	Recent developments in electrode materials for dual-ion batteries: Potential alternatives to conventional batteries. Materials Today, 2022, 52, 269-298.	8.3	60
2747	Applications of 1D Mesoporous Inorganic Nanomaterials in Supercapacitors. Springer Series in Materials Science, 2022, , 129-141.	0.4	0

#	ARTICLE	IF	CITATIONS
2748	SWCNT/ZnO nanocomposite decorated with carbon dots for photoresponsive supercapacitor applications. <i>Chemical Engineering Journal</i> , 2022, 431, 133915.	6.6	27
2750	Single-variable porous nanomaterial series from polymer structure-directing agents. <i>Journal of Materials Research</i> , 2022, 37, 25-42.	1.2	5
2751	A high-capacity polyaniline-intercalated layered vanadium oxide for aqueous ammonium-ion batteries. <i>Chemical Communications</i> , 2022, 58, 791-794.	2.2	28
2752	FeNb ₂ O ₆ /reduced graphene oxide composites with intercalation pseudo-capacitance enabling ultrahigh energy density for lithium-ion capacitors. <i>RSC Advances</i> , 2021, 11, 32248-32257.	1.7	4
2753	Vertically Pillared V ₂ CT _x /Ti ₃ C ₂ T _x Flexible Films for High-Performance Supercapacitors. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2754	Correlation between the Pseudo-Capacitance Behavior and the Second-Order Phase Transition in the Li ⁺ Insertion/Desertion in Cu ₃ Si. <i>Acta Chimica Sinica</i> , 2021, 79, 1511.	0.5	1
2755	Hierarchical 3D structured nanoporous Co ₉ S ₈ @Ni _x :Mo _y â€“Se coreâ€“shell nanowire array electrodes for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27503-27517.	5.2	30
2756	Zero-strain Ca _{0.4} Ce _{0.6} VO ₄ anode material for high capacity and long-life Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 25663-25671.	5.2	4
2757	MgMoO ₄ as an anode material for lithium ion batteries and its multi-electron reaction mechanism. <i>Dalton Transactions</i> , 2022, 51, 2493-2505.	1.6	4
2758	Mitigating Jahnâ€“Teller Effects by Fast Electrode Kinetics Inducing Charge Redistribution. <i>Advanced Functional Materials</i> , 2022, 32, 2111901.	7.8	18
2759	Synthesis, Characterizations, and Electrochemical Performances of Highly Porous, Anhydrous Co _{0.5} Ni _{0.5} C ₂ O ₄ for Pseudocapacitive Energy Storage Applications. <i>ACS Omega</i> , 2022, 7, 1975-1987.	1.6	13
2760	Pseudocapacitive Contribution in Amorphous FeVO ₄ Cathode for Lithiumâ€“ion Batteries. <i>ChemElectroChem</i> , 2022, 9, .	1.7	2
2761	Ultrafast rate capability of V ₂ O ₅ yolk-shell microspheres with hierarchical nanostructure as an aqueous lithium-ion battery anode. <i>Electrochimica Acta</i> , 2022, 410, 139792.	2.6	12
2762	Interfacial Engineered Vanadium Oxide Nanoheterostructures Synchronizing High-Energy and Long-Term Potassium-Ion Storage. <i>ACS Nano</i> , 2022, 16, 1502-1510.	7.3	35
2763	Flower-like TiO ₂ hollow microspheres with mixed-phases for high-pseudocapacitive lithium storage. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163730.	2.8	20
2764	Three-dimensional nitrogen-doped dual carbon network anode enabling high-performance sodium-ion hybrid capacitors. <i>Electrochimica Acta</i> , 2022, 405, 139791.	2.6	5
2765	MoO ₃ nanobelts integrated with partially-exfoliated graphite paper for high-performance supercapacitors. <i>Diamond and Related Materials</i> , 2022, 122, 108806.	1.8	6
2766	Two-dimensional graphene-based Li ₄ Ti ₅ O ₁₂ with hierarchical pore structure and large pseudocapacitive effect as high-rate and long-cycle anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2022, 405, 139814.	2.6	16

#	ARTICLE	IF	CITATIONS
2767	Dual-carbon decorated Na ₃ Mn ₂ (P ₂ O ₇)(PO ₄) nanocomposite via freeze drying: A zero-strain cathode material for sodium ion batteries. <i>Journal of Power Sources</i> , 2022, 521, 230927.	4.0	15
2768	Spinel-MgMn ₂ O ₄ nanofibers: An attractive material for high performance aqueous symmetric supercapacitor. <i>Journal of Energy Storage</i> , 2022, 46, 103894.	3.9	16
2769	Porous biomass skeleton/Ni-Co LDH composite nanomaterials electrode with high rate capability for advanced supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 635, 128078.	2.3	12
2770	Three-dimensional porous aerogel assembly from ultrathin rGO@SnO ₂ nanosheets for advanced lithium-ion batteries. <i>Composites Part B: Engineering</i> , 2022, 231, 109591.	5.9	15
2771	Nanosized nickel hexacyanoferrate modified screen-printed electrodes as flexible superbattery platforms: Influence of annealing temperatures and supporting electrolytes. <i>Journal of Energy Storage</i> , 2022, 46, 103872.	3.9	5
2772	Binder-free SiO ₂ nanotubes/carbon nanofibers mat as superior anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2022, 404, 139747.	2.6	24
2773	Synergistically enhanced electrochemical performance using nitrogen, phosphorus and sulfur tri-doped hollow carbon for advanced potassium ion storage device. <i>Chemical Engineering Journal</i> , 2022, 431, 133986.	6.6	21
2774	Dual sulfur-doped sites boost potassium storage in carbon nanosheets derived from low-cost sulfonate. <i>Chemical Engineering Journal</i> , 2022, 431, 134207.	6.6	15
2775	Novel CoZnNi oxyphosphide-based electrode with high hydroxyl ion adsorption capacity for ultra-high volumetric energy density asymmetric supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 427-437.	5.0	24
2776	Pseudocapacitive TiNb ₂ O ₇ /reduced graphene oxide nanocomposite for high-rate lithium ion hybrid capacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 385-394.	5.0	11
2777	VS ₄ nanosheets as an excellent anode material for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163377.	2.8	9
2778	Few layered graphene wrapped Sn ₄ P ₃ with high initial coulombic efficiency and cyclic stability for reversible Li ⁺ storage. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163198.	2.8	4
2779	Carbon quantum dots in hard carbon: An approach to achieving PIB anodes with high potassium adsorption. <i>Carbon</i> , 2022, 189, 142-151.	5.4	19
2780	Hierarchical FeCoSe ₂ @NiCo-layered double hydroxide nanosheet arrays with boosted performance for hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , 2022, 901, 163567.	2.8	25
2781	Anthracite-derived carbon-based electrode materials for high performance lithium ion capacitors. <i>Fuel Processing Technology</i> , 2022, 228, 107146.	3.7	10
2782	Free-standing and consecutive ZnSe@carbon nanofibers architectures as ultra-long lifespan anode for flexible lithium-ion batteries. <i>Nano Energy</i> , 2022, 94, 106909.	8.2	31
2783	Concurrent manipulation of anion and cation adsorption kinetics in pancake-like carbon achieves ultrastable potassium ion hybrid capacitors. <i>Energy Storage Materials</i> , 2022, 46, 10-19.	9.5	32
2784	Construction of interconnected NiCo layered double hydroxides/metal-organic frameworks hybrid nanosheets for high-performance supercapacitor. <i>Journal of Energy Storage</i> , 2022, 48, 103961.	3.9	40

#	ARTICLE	IF	CITATIONS
2785	Self-combustion induced hierarchical nanoporous alloy transition toward high area property electrode for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2022, 900, 163443.	2.8	3
2786	Structural engineering of tin sulfides anchored on nitrogen/phosphorus dual-doped carbon nanofibres in sodium/potassium-ion batteries. <i>Carbon</i> , 2022, 189, 46-56.	5.4	86
2787	Ultra-High Energy Stored into Multi-Layered Functional Porous Carbon Tubes Enabled by High-Rate Intercalated Pseudocapacitance. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2788	Controllable Intercalated Polyaniline Nanofibers Highly Enhancing Utilization of Delaminated RuO ₂ Nanosheets for Hybrid Supercapacitors. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2789	Molecular Tuning of Sulfur Doped Quinoline Oligomer Derived Soft Carbon for Superior Potassium Storage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2790	Synergistic-Effect-Promoted Performance of MoO ₂ /N-Doped Carbon Nanoribbons with Rich Oxygen Vacancies for Robust Sodium/Potassium Storage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2791	Assembling Iron Oxide Nanoparticles into Aggregates by Li ₃ PO ₄ : A Universal Strategy Inspired by Frogspawn for Robust Li-Storage. <i>ACS Nano</i> , 2022, 16, 2968-2977.	7.3	12
2792	High-Throughput Production of Cheap Mineral-Based Heterostructures for High Power Sodium Ion Capacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	75
2793	Graphdiyne/Graphene/Graphdiyne Sandwiched Carbonaceous Anode for Potassium-Ion Batteries. <i>ACS Nano</i> , 2022, 16, 3163-3172.	7.3	56
2794	Aluminum-ion intercalation and reduced graphene oxide wrapping enable the electrochemical properties of hydrated V ₂ O ₅ for Zn-ion storage. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128473.	2.3	13
2795	Effect of calcination temperature on electrochemical performance of niobium oxides/carbon composites. <i>Journal of Materials Science</i> , 0, , 1.	1.7	1
2796	Engineering V ₂ O ₃ nanoarrays with abundant localized defects towards high-voltage aqueous supercapacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4825-4832.	5.2	6
2797	Crystal Facet and Architecture Engineering of Metal Oxide Nanonetwork Anodes for High-Performance Potassium Ion Batteries and Hybrid Capacitors. <i>ACS Nano</i> , 2022, 16, 1486-1501.	7.3	63
2798	Boron-doping-induced defect engineering enables high performance of a graphene cathode for aluminum batteries. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 925-934.	3.0	16
2799	Sulfur/Nitrogen Co-Doped In-Plane Porous Carbon Nanosheets as Superior Anode of Potassium-Ion Batteries. <i>Batteries and Supercaps</i> , 2022, 5, .	2.4	4
2800	Water-Processable and Multiscale-Designed Vanadium Oxide Cathodes with Predominant Zn ²⁺ Intercalation Pseudocapacitance toward High Gravimetric/Areal/Volumetric Capacity. <i>Small</i> , 2022, 18, e2105796.	5.2	19
2801	Understanding sodium storage properties of ultra-small Fe ₃ S ₄ nanoparticles â€” a combined XRD, PDF, XAS and electrokinetic study. <i>Nanoscale</i> , 2022, 14, 2696-2710.	2.8	7
2802	Boosting Aqueous Zn/MnO ₂ Batteries via a Synergy of Edge/Defect-Rich Cathode and Dendrite-Free Anode. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4316-4325.	4.0	20

#	ARTICLE	IF	CITATIONS
2803	Potassium-ion storage behavior of microstructure-engineered hard carbons. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2055-2063.	5.2	10
2804	Anchoring nanoarchitectonics of 1Tâ€™-MoS ₂ nanoflakes on holey graphene sheets for lithium-ion batteries with outstanding high-rate performance. <i>Electrochimica Acta</i> , 2022, 403, 139711.	2.6	10
2805	Probing Quantum Capacitance of Typical Two-Dimensional Lattices Based on the Tight-Binding Model. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1256-1263.	1.5	3
2806	Orthoquinoneâ€“Based Covalent Organic Frameworks with Ordered Channel Structures for Ultrahigh Performance Aqueous Zincâ€“Organic Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	29
2807	All pseudocapacitive MXene-MnO ₂ flexible asymmetric supercapacitor. <i>Journal of Energy Storage</i> , 2022, 45, 103715.	3.9	100
2808	Electrochemical reaction mechanism of porous Zn ₂ Ti ₃ O ₈ as a high-performance pseudocapacitive anode for Li-ion batteries. <i>Chinese Chemical Letters</i> , 2022, 33, 4776-4780.	4.8	8
2809	MXenes and their composites for energy storage and conversion. , 2022, , 201-240.		1
2810	Allâ€“Solidâ€“State Flexible Symmetric Supercapacitor Based on Morphology Oriented Amorphous Cuâˆ“Coâˆ“B Alloy Nanosheets for Energy Storage. <i>Batteries and Supercaps</i> , 2022, 5, .	2.4	11
2811	Ion Intercalation Process in MXene Pseudocapacitors With Aqueous and Non-Aqueous Electrolytes. , 2022, , .		0
2812	Intercalation pseudocapacitance of hollow carbon bubbles with multilayered shells for boosting K-ion storage. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2075-2084.	5.2	6
2813	Twoâ€“Electron Redox Chemistry Enabled Highâ€“Performance Iodideâ€“Ion Conversion Battery. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
2814	Porous carbon nanofibers as anode for high-performance potassium-ion batteries. <i>Electrochimica Acta</i> , 2022, 403, 139654.	2.6	13
2815	Potassium manganese hexacyanoferrate with improved lifespan in Zn(CF ₃ SO ₃) ₂ electrolyte for aqueous zinc-ion batteries. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1353-1361.	2.5	10
2816	â€“Quasi-Zero-Strainâ€“TiO ₂ as an Ultra-Long-Life Anode for Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 1305-1312.	2.5	11
2817	Twoâ€“Electron Redox Chemistry Enabled Highâ€“Performance Iodideâ€“Ion Conversion Battery. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	34
2818	Homologous Nitrogenâ€“Doped Hierarchical Carbon Architectures Enabling Compatible Anode and Cathode for Potassiumâ€“Ion Hybrid Capacitors. <i>Small</i> , 2022, 18, e2107139.	5.2	10
2819	Orthoquinoneâ€“Based Covalent Organic Frameworks with Ordered Channel Structures for Ultrahigh Performance Aqueous Zincâ€“Organic Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	124
2820	Flash-assisted doping graphene for ultrafast potassium transport. <i>Nano Research</i> , 2022, 15, 4083-4090.	5.8	6

#	ARTICLE	IF	CITATIONS
2821	Recent advances and fundamentals of Pseudocapacitors: Materials, mechanism, and its understanding. <i>Journal of Energy Storage</i> , 2022, 45, 103654.	3.9	81
2822	High strength hydrogels enable dendrite-free Zn metal anodes and high-capacity Zn ²⁺ /MnO ₂ batteries via a modified mechanical suppression effect. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3122-3133.	5.2	17
2823	Supercapacitors. , 2022, , 383-417.		7
2824	Cobalt(II)-Hexaazatriphenylene Hexacarbonitrile Coordination Compounds Based Cathode Materials with High Capacity and Long Cycle Stability. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	14
2825	Interconnected N-doped MXene spherical shells for highly efficient capacitive deionization. <i>Environmental Science: Nano</i> , 2022, 9, 204-213.	2.2	12
2826	A niobium oxide with a shear structure and planar defects for high-power lithium ion batteries. <i>Energy and Environmental Science</i> , 2022, 15, 254-264.	15.6	50
2827	High-Performance Aqueous Rechargeable K/Zn Hybrid Batteries Based on Berlin Green Cathode Materials. <i>ChemElectroChem</i> , 2022, 9, .	1.7	7
2828	Oxygen vacancy-expedited ion diffusivity in transition-metal oxides for high-performance lithium-ion batteries. <i>Science China Materials</i> , 2022, 65, 1421-1430.	3.5	32
2829	High-Performance Mg~Li Hybrid Batteries Based on Pseudocapacitive Anatase Ti _{1-x} Co _x O ₂ Nanosheet Cathodes. <i>ChemSusChem</i> , 2022, 15, .	3.6	8
2830	Cation-Dependent Hydrogel Template-Activation Strategy: Constructing 3D Anode and High Specific Surface Cathode for Dual-Carbon Potassium-Ion Hybrid Capacitor. <i>Small</i> , 2022, 18, e2106712.	5.2	7
2831	Assembly of flower-like VS ₂ /N-doped porous carbon with expanded (001) plane on rGO for superior Na-ion and K-ion storage. <i>Nano Research</i> , 2022, 15, 4108-4116.	5.8	23
2832	Block Copolymer-Derived Porous Carbon Fibers Enable High MnO ₂ Loading and Fast Charging in Aqueous Zinc-Ion Battery. <i>Batteries and Supercaps</i> , 2022, 5, .	2.4	9
2833	Rationally designed hierarchical SiC@PANI core/shell nanowire arrays: Toward high-performance supercapacitors with high-rate performance and robust stability. <i>Electrochimica Acta</i> , 2022, 406, 139867.	2.6	14
2834	Tunable surface pseudocapacitance assisted fast and flexible lithium storage of graphene wrapped NiO nano-arrays on nitrogen-doped carbon foams. <i>Electrochimica Acta</i> , 2022, 407, 139875.	2.6	4
2835	Detergent-free micelle-assisted synthesis of carbon-containing hexagonal CuS nanostructures for efficient supercapacitor electrode materials. <i>Electrochimica Acta</i> , 2022, 407, 139918.	2.6	24
2836	Electrochemical activation induced phase and structure reconstruction to reveal cobalt sulfide intrinsic energy storage capacity. <i>Chemical Engineering Journal</i> , 2022, 434, 134473.	6.6	21
2837	Regulating the electrolyte ion types and exposed crystal facets for pseudocapacitive energy storage of transition metal nitrides. <i>Energy Storage Materials</i> , 2022, 46, 278-288.	9.5	15
2838	Ultrafast, long-life, high-loading, and wide-temperature zinc ion supercapacitors. <i>Energy Storage Materials</i> , 2022, 46, 233-242.	9.5	53

#	ARTICLE	IF	CITATIONS
2839	Transformation of diffusive to capacitive kinetics in nanoscale modified Co-TiO ₂ @CNTs composites safeguarding steady reversible capacity as sodium-ion battery anode. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163772.	2.8	7
2840	Molecular tuning of sulfur doped quinoline oligomer derived soft carbon for superior potassium storage. <i>Carbon</i> , 2022, 191, 10-18.	5.4	23
2841	Pillared-layer Ni-MOF nanosheets anchored on Ti ₃ C ₂ MXene for enhanced electrochemical energy storage. <i>Journal of Colloid and Interface Science</i> , 2022, 614, 130-137.	5.0	86
2842	Rational design of hierarchical Ni-Mo bimetallic Selenide/N-doped carbon microspheres toward high-performance potassium ion batteries. <i>Applied Surface Science</i> , 2022, 583, 152491.	3.1	9
2843	3D interconnected network architectures assembled from W ₁₈ O ₄₉ and Ti ₃ C ₂ MXene with excellent electrochemical properties and CDI performance. <i>Chemical Engineering Journal</i> , 2022, 435, 134922.	6.6	19
2844	Robust and swiftly multicolor Zn ²⁺ -electrochromic devices based on polyaniline cathode. <i>Solar Energy Materials and Solar Cells</i> , 2022, 238, 111616.	3.0	20
2845	Construction of metal-organic framework derived Co-Mo-S nanosheets arrays as high-performance electrode for battery-supercapacitor hybrid devices. <i>Journal of Alloys and Compounds</i> , 2022, 903, 163917.	2.8	15
2846	Reversible potassium-ion alloying storage in crystalline silicene. <i>Chemical Engineering Journal</i> , 2022, 435, 134961.	6.6	11
2847	High sulfur-doped hard carbon anode from polystyrene with enhanced capacity and stability for potassium-ion storage. <i>Journal of Energy Chemistry</i> , 2022, 68, 688-698.	7.1	22
2848	A smart flexible supercapacitor enabled by a transparent electrochromic electrode composed of W ₁₈ O ₄₉ nanowires/rGO composite films. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4870-4880.	5.2	26
2849	Size effect on interfacial pseudocapacitive contributions to lithium-ion storage in microscale carbon/TiO ₂ nanosheet composite. <i>Materials Today Sustainability</i> , 2022, 18, 100112.	1.9	3
2850	Selenium-Doped Amorphous Black Phosphorus@TiO ₂ /C Heterostructures for High-Performance Li/Na/K Ion Batteries. <i>Inorganic Chemistry</i> , 2022, 61, 3121-3131.	1.9	17
2851	Surface Selenization Strategy for V ₂ CT _x MXene toward Superior Zn-Ion Storage. <i>ACS Nano</i> , 2022, 16, 2711-2720.	7.3	71
2852	Bilayered Ca _{0.28} V ₂ O ₅ ·H ₂ O: High-Capacity Cathode Material for Rechargeable Ca-Ion Batteries and Its Charge Storage Mechanism. <i>Chemistry of Materials</i> , 2022, 34, 1491-1498.	3.2	17
2853	Hollow nanospheres comprising amorphous NiMoS ₄ and crystalline NiS ₂ for all-solid-state supercapacitors. <i>Chemical Engineering Journal</i> , 2022, 436, 135231.	6.6	32
2854	Nb ₂ O ₅ , LiNbO ₃ , and (Na, K)NbO ₃ Thin Films from High-Concentration Aqueous Nb-Polyoxometalates. <i>Inorganic Chemistry</i> , 2022, 61, 3586-3597.	1.9	5
2855	Engineering the Proton-Substituted HNaV ₆ O ₁₆ ·4H ₂ O Cathode for the Ultrafast-Charging Zinc Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 2441-2449.	3.2	11
2856	Facile synthesis of hierarchical g-C ₃ N ₄ @WS ₂ composite as Lithium-ion battery anode. <i>Chemical Engineering Journal</i> , 2022, 435, 135129.	6.6	19

#	ARTICLE	IF	CITATIONS
2857	Tin-cobalt bimetal in 2D leaf-like MOF-derived carbon for advanced lithium storage applications. <i>Electrochimica Acta</i> , 2022, 410, 140036.	2.6	5
2858	Oxygen defect functionalized cobalt oxide towards high-efficient reaction with OH [•] for aqueous energy storage devices. <i>Journal of Power Sources</i> , 2022, 524, 231074.	4.0	13
2859	A universal construction of robust interface between 2D conductive polymer and cellulose for textile supercapacitor. <i>Carbohydrate Polymers</i> , 2022, 284, 119230.	5.1	14
2860	Two-dimensional vanadium sulfide flexible graphite/polymer films for near-infrared photoelectrocatalysis and electrochemical energy storage. <i>Chemical Engineering Journal</i> , 2022, 435, 135131.	6.6	12
2861	Utilization of Interfacial Charge Storage toward Ultra-high Capacity: Li ₂ SO ₄ Sealed Micron Sized Iron Oxides as Anode for Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60063-60071.	4.0	4
2862	Drastically-Enlarged Interlayer-Spacing MoS ₂ Nanocages by Inserted Carbon Motifs as High Performance Cathodes for Aqueous Zinc-Ion Batteries. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2863	Lithium-Pre-Intercalated T-Nb ₂ O ₅ /Graphene Composite Promoting Pseudocapacitive Performance for Ultralong Lifespan Capacitors. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2864	Direct Evidence of an Unanticipated Crystalline Phase Responsible for the High Performance of Few-Layered-MoS ₂ Anodes for Na-Ion Batteries. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2865	Oxygen Defect Functionalized Cobalt Oxide Towards High-Efficient Reaction with OH [•] for Aqueous Energy Storage Devices. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2866	Enabling Deep Conversion Reactions by Weakening M-O Bonds Through K ⁺ Pre-Intercalation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2867	Facile Synthesis of Hierarchical G-C ₃ N ₄ @W ₂ As Composite As Lithium-Ion Battery Anode. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2868	Hetero-Phase Amorphous NiMo ₄ /Crystalline Ni ₂ Hollow Nanosphere for High-Performance All-Solid-State Supercapacitors. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2869	Mg ion pre-intercalated MnO ₂ nanospheres as high-performance cathode materials for aqueous Zn-ion batteries. <i>Dalton Transactions</i> , 2022, 51, 4695-4703.	1.6	12
2870	An improved bioinspired strategy to construct nitrogen and phosphorus dual-doped network porous carbon with boosted kinetics potassium ion capacitors. <i>Nanoscale</i> , 2022, 14, 6339-6348.	2.8	10
2871	Poly(viologen halide)s: both cationic main-chain and counter anions are active for high-performance organic cathodes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10026-10032.	5.2	11
2872	A Mini Review on the Excellent Nanostructures in Electrochemical Energy Storage and Conversion. <i>Nano</i> , 2022, 17, .	0.5	5
2873	Double-core-shell polysaccharide polymer networks for highly flexible, safe, and durable supercapacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8948-8957.	5.2	27
2874	All alginate-derived high-performance T-Nb ₂ O ₅ /C/seaweed carbon Li-ion capacitors. <i>RSC Advances</i> , 2022, 12, 5743-5748.	1.7	0

#	ARTICLE	IF	CITATIONS
2875	Hierarchically Structured Flexible Electrode on Polyimide for Highly Sensitive and Reliable Biosignal Acquisition. IEEE Access, 2022, 10, 19710-19719.	2.6	5
2876	Metal oxide-conducting polymer-based composite electrodes for energy storage applications. , 2022, , 195-251.		1
2877	B, F Co-Doping Flexible Carbon Nanofibers as a Fast and Stable Anode for Potassium-Ion Hybrid Capacitor. SSRN Electronic Journal, 0, , .	0.4	0
2878	Non-aqueous synthesis of high-quality Prussian blue analogues for Na-ion batteries. Chemical Communications, 2022, 58, 4472-4475.	2.2	16
2879	Flexible Supercapacitors Based on Free-Standing Polyaniline/Single-Walled Carbon Nanotube Films. SSRN Electronic Journal, 0, , .	0.4	0
2880	True Phenanthraquinone-Based Polymer Organic Cathodes for Highly Efficient Na-Ion Batteries. SSRN Electronic Journal, 0, , .	0.4	0
2881	Environmentally Benign Humic Acid for Potassium-Ion Hybrid Capacitors. SSRN Electronic Journal, 0, , .	0.4	0
2882	Rationally Designed Bilayer Heterojunction Electrode to Realize Multivalent Ion Intercalation in Bifunctional Devices: Efficient Aqueous Aluminum Electrochromic Supercapacitor with Solution-Processed Transparent Nanostructured TiO ₂ /MoO ₃ . SSRN Electronic Journal, 0, , .	0.4	0
2883	A Novel High Pseudo-Capacitive Contribution Anode in K-Ion Battery: Porous Tinbo ₄ /C Nanofibers. SSRN Electronic Journal, 0, , .	0.4	0
2884	Electrostatic interaction-controlled dispersion of carbon nanotubes in a ternary composite for high-performance supercapacitors. Dalton Transactions, 2022, 51, 5127-5137.	1.6	3
2885	Inexpensive and Eco-Friendly Nanostructured Birnessite-Type δ -MnO ₂ : A Design Strategy from Oxygen Defect Engineering and K ⁺ Pre-Intercalation. SSRN Electronic Journal, 0, , .	0.4	0
2886	Ultrasound-Aided Fabrication of Ti ₃ C ₂ T _x MXene by Using In-Situ Forming of Hydrofluoric Acid Approach. SSRN Electronic Journal, 0, , .	0.4	0
2887	New Findings of Pseudocapacitive Behaviors in Cupric Tungstate Dihydrate. Journal of Physical Chemistry C, 2022, 126, 3853-3863.	1.5	0
2888	Advantage of Larger Interlayer Spacing of a Mo ₂ Ti ₂ C ₃ MXene Free-Standing Film Electrode toward an Excellent Performance Supercapacitor in a Binary Ionic Liquid "Organic Electrolyte. ACS Omega, 2022, 7, 7190-7198.	1.6	27
2889	Versatile Synthesis of Mesoporous Crystalline TiO ₂ Materials by Monomicelle Assembly. Angewandte Chemie - International Edition, 2022, 61, .	7.2	21
2890	Versatile Syntheses of Mesoporous Crystalline TiO ₂ Materials from Mono μ micelle Assembly. Angewandte Chemie, 0, , .	1.6	0
2891	Recent advances and future perspectives for aqueous zinc-ion capacitors. Materials Futures, 2022, 1, 022101.	3.1	34
2892	High Energy, Long Cycle, and Superior Low Temperature Performance Aqueous Na ⁺ /Zn Hybrid Batteries Enabled by a Low-Cost and Protective Interphase Film-Forming Electrolyte. ACS Applied Materials & Interfaces, 2022, 14, 11425-11434.	4.0	18

#	ARTICLE	IF	CITATIONS
2893	TiO ₂ bunched hierarchical structure with effective enhancement in sodium storage behaviors. , 2022, 4, 645-653.		12
2894	Water/Ionic Liquid/Succinonitrile Hybrid Electrolytes for Aqueous Batteries. Advanced Functional Materials, 2022, 32, .	7.8	11
2895	Tuning the Defects of Two-Dimensional Layered Carbon/TiO ₂ Superlattice Composite for a Fast Lithium-Ion Storage. Materials, 2022, 15, 1625.	1.3	4
2896	Design and synthesis of carbon-based nanomaterials for electrochemical energy storage. New Carbon Materials, 2022, 37, 59-92.	2.9	34
2897	A Better Zn-Ion Storage Device: Recent Progress for Zn-Ion Hybrid Supercapacitors. Nano-Micro Letters, 2022, 14, 64.	14.4	65
2898	Low-Temperature Synthesis of Lithium Lanthanum Titanate/Carbon Nanowires for Fast-Charging Li-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 11330-11338.	4.0	9
2899	V ₂ O ₃ •Li ₃ PO ₄ Composite: A New Type of Cathodic Active Material for Li-Ion Batteries. Advanced Materials Interfaces, 2022, 9, .	1.9	1
2900	Molybdenum Sulfide Selenide Nanosheets Synergized with Nitrogen-Rich Carbon Frameworks toward High Performance and Stable Sodium Storage. Advanced Materials Interfaces, 2022, 9, .	1.9	8
2901	Effect of Pitch Coating on SiO _x Alloy/Spherical Artificial Graphite Composites as Anode Materials for Lithium-Ion Batteries. ChemElectroChem, 2022, 9, .	1.7	3
2902	Gradient Architecture Design in Scalable Porous Battery Electrodes. Nano Letters, 2022, 22, 2521-2528.	4.5	37
2903	Introducing a Pseudocapacitive Lithium Storage Mechanism into Graphite by Defect Engineering for Fast-Charging Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 16279-16288.	4.0	21
2904	Atomic Short-Range Order in a Cation-Deficient Perovskite Anode for Fast-Charging and Long-Life Lithium-Ion Batteries. Advanced Materials, 2022, 34, e2200914.	11.1	25
2905	Nitrogen-doped porous carbon nanosheets as both anode and cathode for advanced potassium-ion hybrid capacitors. Green Energy and Environment, 2023, 8, 579-588.	4.7	11
2906	Nanostructure and Advanced Energy Storage: Elaborate Material Designs Lead to High-Rate Pseudocapacitive Ion Storage. ACS Nano, 2022, 16, 5131-5152.	7.3	73
2907	Structure Engineering of BiSb Nanocrystals Embedded within Sulfurized Polyacrylonitrile Fibers for High Performance of Potassium-Ion Batteries. Chemistry - A European Journal, 2022, 28, .	1.7	5
2908	A General Multi-Interface Strategy toward Densified Carbon Materials with Enhanced Comprehensive Electrochemical Performance for Li/Na-Ion Batteries. Small, 2022, 18, e2105738.	5.2	21
2909	Construction of Carbon-Coated Cobalt Sulfide Hybrid Networks Interconnected by Carbon Nanotubes for Performance-Enhanced Potassium-Ion Storage. Chinese Journal of Chemistry, 2022, 40, 1313-1320.	2.6	3
2910	Conductive Metal-Organic Frameworks for Supercapacitors. Advanced Materials, 2022, 34, e2200999.	11.1	101

#	ARTICLE	IF	CITATIONS
2911	A universal spray printing strategy to prepare gradient hybrid architectures. , 2022, 4, 517-526.		2
2912	A Dual-Functional Titanium Nitride Chloride Layered Matrix with Facile Lithium-Ion Diffusion Path and Decoupled Electron Transport as High-Capacity Anodes. Advanced Functional Materials, 2022, 32, .	7.8	8
2913	Graphene-Based Conductive Networks to Enhance the Performance of Polyimide Anode Materials for Dual-Ion Batteries. ChemistrySelect, 2022, 7, .	0.7	6
2914	Multiple transition metals modulated hierarchical networks for high performance of metal-ion batteries. Journal of Energy Chemistry, 2022, 70, 604-613.	7.1	11
2915	Heterostructure-Regulated Metal Silicates Composite Material for Enhancing the Lithium-Ion Batteries Performance. ChemElectroChem, 2022, 9, .	1.7	2
2916	Tunable ultrathin dual-phase P-doped Bi ₂ MoO ₆ nanosheets for advanced lithium and sodium storage. Nano Research, 2022, 15, 6128-6137.	5.8	8
2917	A Stabilized Polyacrylonitrile-Encapsulated Matrix on a Nanolayered Vanadium-Based Cathode Material Facilitating the K-Storage Performance. ACS Applied Materials & Interfaces, 2022, 14, 14243-14252.	4.0	4
2918	An organosulfide-based energetic liquid as the catholyte in high-energy density lithium metal batteries for large-scale grid energy storage. Nano Research, 2022, 15, 6138-6147.	5.8	5
2919	Pomegranate-Inspired Nitrogen-Doped Carbon-Coated Bimetallic Sulfides as a High-Performance Anode of Sodium-Ion Batteries and Their Structural Evolution Analysis. ACS Applied Energy Materials, 2022, 5, 3199-3207.	2.5	9
2920	CaV ₆ O ₁₆ ·2.8H ₂ O with Ca ²⁺ Pillar and Water Lubrication as a High-Rate and Long-Life Cathode Material for Ca-Ion Batteries. Advanced Functional Materials, 2022, 32, .	7.8	28
2921	Free-Standing MOF-Derived Carbon@Carbon Cloth for Lithium-Iodine Batteries <i>via in situ</i> Carbonization. ChemElectroChem, 2022, 9, .	1.7	3
2922	A <i>Conjugated Polyimide-Based High-Performance Aqueous Potassium-Ion Asymmetric Supercapacitor</i> . Macromolecular Rapid Communications, 2022, 43, e2200040.	2.0	8
2923	<i>Jahn-Teller</i> Effect Directed Bandgap Tuning of Birnessite for Pseudocapacitive Application. Energy and Environmental Materials, 2023, 6, .	7.3	10
2924	Oxygen defect and strong interface effect triggered ZnO@C with enhanced electrochemical performance. Surfaces and Interfaces, 2022, 30, 101876.	1.5	2
2925	Multi-ion intercalated Ti ₃ C ₂ T _x MXene and the mutual modulation within interlayer. Particuology, 2023, 72, 10-16.	2.0	11
2926	Regulable Electron Transfer on ZnS/CoS ₂ /CC Prepared by an MOF-on-MOF Strategy for Robust LIB Performance. ACS Applied Energy Materials, 2022, 5, 5159-5169.	2.5	12
2927	Fast Charging Anode Materials for Lithium-Ion Batteries: Current Status and Perspectives. Advanced Functional Materials, 2022, 32, .	7.8	185
2928	Engineering Electronic Transfer Dynamics and Ion Adsorption Capability in Dual-Doped Carbon for High-Energy Potassium Ion Hybrid Capacitors. ACS Nano, 2022, 16, 6255-6265.	7.3	65

#	ARTICLE	IF	CITATIONS
2929	Coating of Low-Cost Asphaltenes-Derived Carbon Fibers with V_2O_5 for Supercapacitor Application. <i>Energy & Fuels</i> , 2022, 36, 3328-3338.	2.5	10
2930	Three-Dimensional Hierarchical Ternary Nanostructures Bismuth/Polypyrrole/CNTs for High Performance Potassium-Ion Battery Anodes. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1585-1591.	2.6	7
2931	Controllable Intercalated Polyaniline Nanofibers Highly Enhancing the Utilization of Delaminated RuO_2 Nanosheets for High-Performance Hybrid Supercapacitors. <i>ChemElectroChem</i> , 2022, 9, .	1.7	5
2932	Semi-Polycrystalline Polyaniline Empowered Electrochemical Capacitor. <i>Energies</i> , 2022, 15, 2001.	1.6	10
2933	Facile construction of single-crystalline sodium niobate anode materials: insight into the relationship of the morphology and excellent performance for lithium-ion batteries. <i>Journal of Materials Science</i> , 2022, 57, 5987-5997.	1.7	5
2934	Unusual pseudocapacitive lithium-ion storage on defective Co_3O_4 nanosheets. <i>Nanotechnology</i> , 2022, 33, 225403.	1.3	6
2935	A novel $Mo_8.7Nb_6.1O_x@NCs$ egg-nest composite structure as superior anode material for lithium-ion storage. <i>Rare Metals</i> , 2022, 41, 2645-2654.	3.6	9
2936	Amorphization of Pseudocapacitive $Ta^{\sim}Nb_2O_5$ Accelerates Lithium Diffusivity as Revealed Using Tunable Isomorphic Architectures. <i>Batteries and Supercaps</i> , 0, .	2.4	3
2937	Ultrahigh voltage window, preeminent energy density aqueous supercapacitor derived from honeycomb-like porous carbon decorated with carbon dots. <i>Electrochimica Acta</i> , 2022, 425, 140336.	2.6	8
2938	Tuning the Porous Structure in PMMA-Templated Mesoporous MoO_2 for Pseudocapacitive Li-Ion Electrodes. <i>Journal of the Electrochemical Society</i> , 2022, 169, 040545.	1.3	4
2939	Microscopic Simulations of Electrochemical Double-Layer Capacitors. <i>Chemical Reviews</i> , 2022, 122, 10860-10898.	23.0	81
2940	Achieving high-rate and durable aqueous rechargeable Zn-Ion batteries by enhancing the successive electrochemical conversion reactions. <i>Journal of Colloid and Interface Science</i> , 2022, 620, 127-134.	5.0	9
2941	Ti_3C_2Tx aerogel with 1D unidirectional channels for high mass loading supercapacitor electrodes. <i>Ceramics International</i> , 2022, 48, 20324-20331.	2.3	4
2942	Revealing interfacial space charge storage of $Li^+/Na^+/K^+$ by operando magnetometry. <i>Science Bulletin</i> , 2022, 67, 1145-1153.	4.3	23
2943	An Open-Framework Structured Material: $[Ni(en)_3][Fe(CN)_6]_2$ as a Cathode Material for Aqueous Sodium- and Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16197-16203.	4.0	6
2944	Hydrothermal Synthesis of $NiCo_2S_4$ Nanotube and Its Investigation as Electrode Material. <i>International Journal of Electrochemical Science</i> , 2022, 17, 220436.	0.5	3
2945	Drastically-enlarged interlayer-spacing MoS_2 nanocages by inserted carbon motifs as high performance cathodes for aqueous zinc-ion batteries. <i>Energy Storage Materials</i> , 2022, 49, 144-152.	9.5	48
2946	Revisiting $Rb_2TiNb_6O_{18}$ as electrode materials for energy storage devices. <i>Electrochemistry Communications</i> , 2022, 137, 107249.	2.3	4

#	ARTICLE	IF	CITATIONS
2947	Application of Porous Coordination Polymer Containing Aromatic Azo Linkers as Cathode-Active Materials in Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 5191-5198.	2.5	13
2948	KOH activated nitrogen and oxygen co-doped tubular carbon clusters as anode material for boosted potassium-ion storage capability. <i>Nanotechnology</i> , 2022, , .	1.3	0
2949	Co ₃ O ₄ /LaCoO ₃ nanocomposites derived from MOFs as anodes for high-performance lithium-ion batteries. <i>Inorganic Chemistry Communication</i> , 2022, 140, 109447.	1.8	10
2950	Disentangling faradaic, pseudocapacitive, and capacitive charge storage: A tutorial for the characterization of batteries, supercapacitors, and hybrid systems. <i>Electrochimica Acta</i> , 2022, 412, 140072.	2.6	78
2951	An investigation of $\text{Cu}_2\text{ZrO}_2/\text{TiO}_2$ / CNTs anode material for lithium-ion batteries. <i>International Journal of Energy Research</i> , 0, , .	2.2	2
2952	Porous fibers of carbon decorated T-Nb ₂ O ₅ nanocrystal anchored on three-dimensional rGO composites combined with rGO nanosheets as an anode for high-performance flexible sodium-ion capacitors. <i>Electrochimica Acta</i> , 2022, 411, 140070.	2.6	16
2954	Amorphous H _{0.82} MoO _{3.26} cathodes based long cyclelife fiber-shaped Zn-ion battery for wearable sensors. <i>Energy Storage Materials</i> , 2022, 49, 227-235.	9.5	15
2955	Beyond conventional sodium-ion storage mechanisms: a combinational intercalation/conversion reaction mechanism in Ni-ion modified hydrated vanadate for high-rate sodium-ion storage. <i>Energy Storage Materials</i> , 2022, 47, 579-590.	9.5	17
2956	Smart interfaces in Li-ion batteries: Near-future key challenges. <i>Electrochimica Acta</i> , 2022, 415, 140258.	2.6	8
2957	Multifunctional quasi-solid-state zinc-ion hybrid supercapacitors beyond state-of-the-art structural energy storage. <i>Materials Today Physics</i> , 2022, 24, 100654.	2.9	8
2958	Surface modification of Na _{0.44} MnO ₂ via a nonaqueous solution-assisted coating for ultra-Stable and High-Rate sodium-ion batteries. <i>Chemical Engineering Journal Advances</i> , 2022, 10, 100292.	2.4	7
2959	A green strategy towards fabricating FePO ₄ -graphene oxide for high-performance cathode of lithium/sodium-ion batteries recovered from spent batteries. <i>Journal of Electroanalytical Chemistry</i> , 2022, 913, 116287.	1.9	11
2960	Intercalation pseudocapacitive charge storage through enlargement of d-spacing in recrystallized Cr ₂ O ₃ nanostructures: A supercapattery. <i>Journal of Electroanalytical Chemistry</i> , 2022, 912, 116234.	1.9	4
2961	Carbon coated Nb ₂ O ₅ nanosheets via dopamine-induced phase transition for high-rate lithium-ion battery. <i>Journal of Power Sources</i> , 2022, 530, 231274.	4.0	14
2962	Direct evidence of an unanticipated crystalline phase responsible for the high performance of few-layered-MoS ₂ anodes for Na-ion batteries. <i>Energy Storage Materials</i> , 2022, 48, 314-324.	9.5	6
2963	Enhancing the depressed initial Coulombic efficiency of regenerated graphite anodes via the surface modification of a TiNb ₂ O ₇ nanolayer. <i>Carbon</i> , 2022, 193, 157-170.	5.4	11
2964	Vertically pillared V ₂ CT /Ti ₃ C ₂ T flexible films for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164302.	2.8	15
2965	Theoretical evaluation and experimental design of nitrogen doped porous carbon from Cu-based metal-organic frameworks for lithium-ion batteries. <i>Surfaces and Interfaces</i> , 2022, 30, 101851.	1.5	1

#	ARTICLE	IF	CITATIONS
2966	Enhanced electrochemical kinetics and three dimensional architecture lithium iron phosphate/carbon nanotubes nanocomposites for high rate lithium-ion batteries. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 643, 128718.	2.3	4
2967	Ultra-high energy stored into multi-layered functional porous carbon tubes enabled by high-rate intercalated pseudocapacitance. <i>Carbon</i> , 2022, 192, 153-161.	5.4	7
2968	In-situ synthesized carbon-coated SnO ₂ nanoparticles embedded in carbon nanotubes on Cu foam as anode material for lithium-ion batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 165, 110693.	1.9	3
2969	Synthesis of three-dimensional honeycomb-like Fe ₃ N@NC composites with enhanced lithium storage properties. <i>Carbon</i> , 2022, 192, 162-169.	5.4	26
2970	N, S co-doped porous carbons with well-developed pores for supercapacitor and zinc ion hybrid capacitor. <i>Journal of Alloys and Compounds</i> , 2022, 907, 164536.	2.8	38
2971	Lithium-pre-intercalated T-Nb ₂ O ₅ /graphene composite promoting pseudocapacitive performance for ultralong lifespan capacitors. <i>Chemical Engineering Journal</i> , 2022, 438, 135492.	6.6	10
2972	A stable covalent organic framework cathode enables ultra-long cycle life for alkali and multivalent metal rechargeable batteries. <i>Energy Storage Materials</i> , 2022, 48, 439-446.	9.5	42
2973	Ultrafast sodium-ion storage in an interconnected Ni/Ni ₃ S ₂ nanocomposite with long-term cycling performance. <i>Journal of Alloys and Compounds</i> , 2022, 909, 164705.	2.8	5
2974	MXene based emerging materials for supercapacitor applications: Recent advances, challenges, and future perspectives. <i>Coordination Chemistry Reviews</i> , 2022, 462, 214518.	9.5	148
2975	Mediating iodine cathodes with robust directional halogen bond interactions for highly stable rechargeable Zn-I ₂ batteries. <i>Chemical Engineering Journal</i> , 2022, 439, 135676.	6.6	28
2976	Direct synthesis of P/O-enriched pitch-based carbon microspheres from a coordinated emulsification and pre-oxidation towards high-rate potassium-ion batteries. <i>Carbon</i> , 2022, 194, 176-184.	5.4	30
2977	Zinc-ion hybrid supercapacitors with ultrahigh areal and gravimetric energy densities and long cycling life. <i>Journal of Energy Chemistry</i> , 2022, 70, 480-491.	7.1	19
2978	Lamellar hierarchical lignin-derived porous carbon activating the capacitive property of polyaniline for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 694-703.	5.0	30
2979	Cheese-like porous SnP ₂ O ₇ composite as a long-life and high-rate anode material for potassium-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 439, 135777.	6.6	12
2980	The construction of carbon nanofiber composites modified by graphene/polypyrrole for flexible supercapacitors. <i>Journal of Energy Storage</i> , 2022, 51, 104581.	3.9	22
2981	Ultrahigh-energy and -power aqueous rechargeable zinc-ion microbatteries based on highly cation-compatible vanadium oxides. <i>Journal of Materials Science and Technology</i> , 2022, 120, 159-166.	5.6	11
2982	Ordered Macroporous MoS ₂ @Carbon Composite with Fast and Robust Sodium Storage Properties to Solve the Issue of Kinetics Mismatch of Sodium-Ion Capacitors. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	10
2983	Hydrated Deep Eutectic Electrolytes for High-Performance Zn-Ion Batteries Capable of Low-Temperature Operation. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	95

#	ARTICLE	IF	CITATIONS
2984	3D Carbyne Nanospheres Boosting Excellent Lithium and Sodium Storage Performance. <i>Small</i> , 2022, 18, e2106328.	5.2	8
2985	Rational Design and Synthesis of Nickel Niobium Oxide with High-Rate Capability and Cycling Stability in a Wide Temperature Range. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	35
2986	Red Phosphorus Anchored on Nitrogen-Doped Carbon Bubble-Carbon Nanotube Network for Highly Stable and Fast-Charging Lithium-Ion Batteries. <i>Small</i> , 2022, 18, e2105866.	5.2	16
2987	Confining ultrafine tin monophosphide in Ti ₃ C ₂ T _x interlayers for rapid and stable sodium ion storage. <i>EScience</i> , 2021, 1, 203-211.	25.0	103
2988	Formation of Hierarchical Cobalt Hydroxychloride Nanostructures with Enhanced Performance for Lithium-Ion Batteries. <i>Crystal Research and Technology</i> , 2022, 57, 2100133.	0.6	1
2989	Metallic Tin Nanoparticle-Reinforced Tin-Doped Porous Silicon Microspheres with Superior Electrochemical Lithium Storage Properties. <i>ACS Applied Energy Materials</i> , 2021, 4, 14141-14154.	2.5	3
2990	MXene: Evolutions in Chemical Synthesis and Recent Advances in Applications. <i>Surfaces</i> , 2022, 5, 1-36.	1.0	25
2991	Filling Ti ₃ C ₂ T _x nanosheets into melamine foam towards a highly compressible all-in-one supercapacitor. <i>Nano Research</i> , 2022, 15, 3254-3263.	5.8	20
2992	Engineering Pocket-Like Graphene-Shell Encapsulated FeS ₂ : Inhibiting Polysulfides Shuttle Effect in Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	28
2993	Structural Insights into the Lithium Ion Storage Behaviors of Niobium Tungsten Double Oxides. <i>Chemistry of Materials</i> , 2022, 34, 388-398.	3.2	21
2994	Hollow TiNb ₂ O ₇ Nanospheres with a Carbon Coating as High-Efficiency Anode Materials for Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 61-70.	3.2	28
2995	Electrochemical Performance of Iron-Doped Cobalt Oxide Hierarchical Nanostructure. <i>Processes</i> , 2021, 9, 2176.	1.3	9
2996	Topochemistry-Driven Synthesis of Transition-Metal Selenides with Weakened Van Der Waals Force to Enable 3D-Printed Na-Ion Hybrid Capacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	91
2997	An Efficient Strategy toward Multichambered Carbon Nanoboxes with Multiple Spatial Confinement for Advanced Sodium-Sulfur Batteries. <i>ACS Nano</i> , 2021, 15, 20607-20618.	7.3	38
2998	Yeast Template-Derived Multielectron Reaction NASICON Structure Na ₃ MnTi(PO ₄) ₃ for High-Performance Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58585-58595.	4.0	23
2999	Porous V ₂ O ₃ @C composite anodes with pseudocapacitive characteristics for lithium-ion capacitors. <i>New Carbon Materials</i> , 2021, 36, 1103-1108.	2.9	6
3001	Two-dimensional Layered Lithium Lanthanum Titanium Oxide/Graphene-like Composites as Electrodes for Lithium-Ion Batteries. <i>Dalton Transactions</i> , 2022, , .	1.6	2
3002	Metal-organic-framework-derived vanadium(III) phosphate nanoaggregates for zinc-ion battery cathodes with long-term cycle stability. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10638-10650.	5.2	19

#	ARTICLE	IF	CITATIONS
3003	Extra Storage Capacity Enabled by Structural Defects in Pseudocapacitive NbN Monocrystals for High-Energy Hybrid Supercapacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	14
3004	Boosting the kinetics of PF ₆ ⁻ into graphitic layers for the optimal cathode of dual-ion batteries: The rehearsal of pre-intercalating Li ⁺ . <i>Journal of Energy Chemistry</i> , 2022, 71, 392-399.	7.1	17
3005	Inhibiting the cyclization of PAN by carboxyl groups for carbon nanofibers with balanced Na ⁺ storage performance and ICE. <i>Applied Surface Science</i> , 2022, 594, 153447.	3.1	2
3006	Coupling High Rate Capability and High Capacity in an Intercalation-Type Sodium-Ion Hybrid Capacitor Anode Material of Hydrated Vanadate via Interlayer-Cation Engineering. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17547-17559.	4.0	4
3007	Enabling Multi-Chemisorption Sites on Carbon Nanofibers Cathodes by an In-situ Exfoliation Strategy for High-Performance Zn-Ion Hybrid Capacitors. <i>Nano-Micro Letters</i> , 2022, 14, 106.	14.4	63
3008	Calcium Based All-Organic Dual-Ion Batteries with Stable Low Temperature Operability. <i>Small</i> , 2022, 18, e2200049.	5.2	12
3009	NASICON-structured Na ₃ Mn _{0.5} V _{0.5} Ti(PO ₄) ₃ cathode with high capacity for sodium-ion batteries. <i>Ceramics International</i> , 2022, 48, 20933-20939.	2.3	7
3010	Mesoporous MoO ₂ thin films for high rate Li ⁺ storage: Effect of crystallinity and porous structure. <i>Solid State Sciences</i> , 2022, 129, 106890.	1.5	3
3011	Recent Progress in Carbonaceous and Redox-Active Nanoarchitectures for Hybrid Supercapacitors: Performance Evaluation, Challenges, and Future Prospects. <i>Chemical Record</i> , 2022, 22, e202200018.	2.9	48
3012	A novel Li-ion supercapattery by K-ion vacant ternary perovskite fluoride anode with pseudocapacitive conversion/insertion dual mechanisms. <i>Rare Metals</i> , 2022, 41, 2491-2504.	3.6	7
3013	Fabricating multi-porous carbon anode with remarkable initial coulombic efficiency and enhanced rate capability for sodium-ion batteries. <i>Chinese Chemical Letters</i> , 2023, 34, 107443.	4.8	31
3014	Fast response supercapacitor based on carbon-VS ₂ electrodes with a wide operating voltage range. <i>Energy Storage Materials</i> , 2022, 49, 255-267.	9.5	10
3015	Inexpensive and eco-friendly nanostructured birnessite-type δ -MnO ₂ : A design strategy from oxygen defect engineering and K ⁺ pre-intercalation. <i>Nano Energy</i> , 2022, 98, 107274.	8.2	25
3016	SP@Bicrystalline-MnO ₂ as an advanced cathode for aqueous zinc-ion battery. <i>Materials Letters</i> , 2022, 319, 132288.	1.3	2
3017	FeSe and Fe ₃ Se ₄ encapsulated in mesoporous carbon for flexible solid-state supercapacitor. <i>Chemical Engineering Journal</i> , 2022, 442, 136362.	6.6	26
3020	In Situ Orthorhombic to Amorphous Phase Transition of Nb ₂ O ₅ and Its Temperature Effect on Pseudocapacitive Behavior. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19426-19436.	4.0	13
3021	A metal-organic framework-modified separator enables long cycling lithium-ion capacitors with asymmetric electrolyte design. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19852-19858.	5.2	8
3022	Ethynyl Functionalized Porphyrin Complex as a New Cathode for Organic Alkali Metal Batteries with Excellent Cycling Stability. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
3023	Rapid microwave synthesis of carbon-bridged Nb ₂ O ₅ mesocrystals for high-energy and high-power sodium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11470-11476.	5.2	10
3024	What About Electrochemical Behaviors for Aurivillius-Phase Bismuth Tungstate? Capacitive or Pseudocapacitive. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3025	Honeycomb-like 3D carbon skeletons with embedded phosphorus-rich phosphide nanoparticles as advanced anodes for lithium-ion batteries. <i>Nanoscale</i> , 2022, 14, 8744-8752.	2.8	6
3026	Synthesis and Energy Storage Characteristics of MnO Microchains Induced by High Magnetic Field. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3027	Solid Solution MoS ₂ -Xttx with Reduced Lattice Change Compared to MoS ₂ -Mote ₂ Heterostructure for Enhanced Lithium Storage Properties. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3028	Biochar-Derived Material Decorated by Mxene/Reduced Graphene Oxide Using One-Step Hydrothermal Treatment as High-Performance Supercapacitor Electrodes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3029	Evidence of Intrinsic Pseudocapacitive Lithium Intercalation in Rutile TiNbO ₄ . <i>ACS Applied Energy Materials</i> , 2022, 5, 5508-5512.	2.5	6
3030	A significantly improved polymer Ni(OH) ₂ alkaline rechargeable battery using anthraquinone-based conjugated microporous polymer anode. <i>Materials Today Energy</i> , 2022, 27, 101014.	2.5	8
3031	Carbon Uniformly Distributed SiO _x /C Composite with Excellent Structure Stability for High Performance Lithium-Ion Batteries. <i>Chemistry - an Asian Journal</i> , 2022, , e202200202.	1.7	1
3032	A Free-Standing ±-MoO ₃ /MXene Composite Anode for High-Performance Lithium Storage. <i>Nanomaterials</i> , 2022, 12, 1422.	1.9	13
3033	Improved Performance of Li-Added Mo-Nb Oxide as the Anode for Li-Ion Batteries with N-Carbon Coating. <i>ACS Applied Energy Materials</i> , 2022, 5, 6129-6138.	2.5	5
3034	Ultra-Thin Wrinkled Carbon Sheet as an Anode Material of High-Power-Density Potassium-Ion Batteries. <i>Molecules</i> , 2022, 27, 2973.	1.7	2
3035	Surface oxygen-deficient Ti ₂ SC for enhanced lithium-ion uptake. <i>Chinese Chemical Letters</i> , 2023, 34, 107500.	4.8	3
3036	Rationally designed bilayer heterojunction electrode to realize multivalent ion intercalation in bifunctional devices: Efficient aqueous aluminum electrochromic supercapacitor with transparent nanostructured TiO ₂ /MoO ₃ . <i>Chemical Engineering Journal</i> , 2022, 446, 136924.	6.6	21
3037	Highly Stable Fe ²⁺ /Ti ³⁺ -Based Fluoride Cathode Enabling Low-Cost and High-Performance Na-Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	11
3038	Integrating Bi@C Nanospheres in Porous Hard Carbon Frameworks for Ultrafast Sodium Storage. <i>Advanced Materials</i> , 2022, 34, e2202673.	11.1	93
3039	Facile synthesis of NiFe ₂ O ₄ nanoparticle with carbon nanotube composite electrodes for high-performance asymmetric supercapacitor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129188.	2.3	24
3040	Titanium Monoxide with <i>in Situ</i> Grown Rutile TiO ₂ Nanothorns as a Heterostructured Job-Sharing Anode Material for Lithium-Ion Storage. <i>ACS Applied Energy Materials</i> , 2022, 5, 5691-5703.	2.5	5

#	ARTICLE	IF	CITATIONS
3041	Pomegranate-like mesoporous double carbon-coated Fe ₂ P nanoparticles as advanced anode materials for sodium-ion batteries. <i>Journal of Materials Science</i> , 2022, 57, 9389-9402.	1.7	3
3042	Homologous MXene-derived Electrodes for Potassium-ion Full Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	23
3043	Electrochemically induced amorphous-to-rock-salt phase transformation in niobium oxide electrode for Li-ion batteries. <i>Nature Materials</i> , 2022, 21, 795-803.	13.3	69
3044	Electrosorption removal of cesium ions with a copper hexacyanoferrate electrode in a capacitive deionization (CDI) system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129175.	2.3	17
3045	Branch-cell shape liked nickel-cobalt layer double hydroxides composite polypyrrole for high performance supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , .	1.1	0
3046	Annealing temperature dependence of features of Sn-Ni-Cu alloy film as anode for lithium-ion batteries. <i>Chemical Physics Letters</i> , 2022, 800, 139685.	1.2	3
3047	Regulated layer spacing and functional surface group of MXene film by hexamethylenetetramine for high-performance supercapacitors. <i>Applied Surface Science</i> , 2022, 596, 153632.	3.1	14
3048	CNT-strung LiMn ₂ O ₄ for Lithium Extraction with High Selectivity and Stability. <i>Small Methods</i> , 2022, 6, e2200508.	4.6	21
3049	B, F Co-doping flexible carbon nanofibers as a fast and stable anode for potassium-ion hybrid capacitor. <i>Journal of Alloys and Compounds</i> , 2022, , 165285.	2.8	5
3050	2D Graphene/MnO Heterostructure with Strongly Stable Interface Enabling High-performance Flexible Solid-state Lithium-ion Capacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	50
3051	NaCl-pinned antimony nanoparticles combined with ion-shuttle-induced graphitized 3D carbon to boost sodium storage. <i>Cell Reports Physical Science</i> , 2022, 3, 100891.	2.8	2
3052	One-step preparation of MnO ₂ electrode for secondary aqueous zinc ion batteries by electrodeposition. <i>Materials Today Communications</i> , 2022, 31, 103578.	0.9	4
3053	Construction of sulfur vacancies enriched hollow zinc cobalt bimetallic sulfides for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2022, 913, 165191.	2.8	15
3054	Cathode materials of metal-ion batteries for low-temperature applications. <i>Journal of Alloys and Compounds</i> , 2022, 912, 165142.	2.8	14
3055	Potassium-doped hydrated manganese dioxide nanowires-carbon nanotubes on graphene for high-performance rechargeable zinc-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 913, 165278.	2.8	7
3056	Improved and stable triazine-based covalent organic framework for lithium storage. <i>Applied Surface Science</i> , 2022, 594, 153481.	3.1	12
3057	Novel 2D/2D NiCo ₂ O ₄ /ZnCo ₂ O ₄ @rGO/CNTs self-supporting composite electrode with high hydroxyl ion adsorption capacity for asymmetric supercapacitor. <i>Journal of Materials Science and Technology</i> , 2022, 127, 236-244.	5.6	42
3058	A sustainable route from spent hydrogenation catalysts to lamellar spherical vanadium oxide hydrates for superior low-cost aqueous Zn-ion batteries. <i>Energy Storage Materials</i> , 2022, 50, 1-11.	9.5	18

#	ARTICLE	IF	CITATIONS
3059	Design of iron (Fe)-doped NiCo ₂ O ₄ @ rGO urchin-shaped microspheres with outstanding electrochemical performances for asymmetric supercapacitor. <i>Journal of Energy Storage</i> , 2022, 52, 104619.	3.9	20
3060	MoSe ₂ nanosheets confined in N-doped carbon fibers as robust and capacitive anode of high performance Na-ion capacitors. <i>Journal of Energy Storage</i> , 2022, 52, 104669.	3.9	5
3061	Cation and anion (de)intercalation into MXene/Perovskite oxides for high-rate intercalation pseudocapacitance. <i>Energy Storage Materials</i> , 2022, 50, 86-95.	9.5	28
3062	Synthesis of highly crumpled carbon-graphene composite for adsorption-controlled potassium-ion anode materials. <i>Journal of Electroanalytical Chemistry</i> , 2022, 917, 116416.	1.9	4
3063	Dual metal ions and water molecular pre-intercalated δ -MnO ₂ spherical microflowers for aqueous zinc ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 456-466.	5.0	36
3064	Synthesis of coal tar pitch-derived heteroatom-doped porous carbon materials for aqueous zinc-ion hybrid supercapacitors. <i>Carbon Resources Conversion</i> , 2022, 5, 193-199.	3.2	12
3065	Predominant intercalation of H ⁺ enables ultrahigh rate capability of oxygen deficient MoO ₃ for aqueous Al-ion batteries. <i>Energy Storage Materials</i> , 2022, 50, 152-160.	9.5	23
3066	Nitrogen-rich two-dimensional π -conjugated porous covalent quinazoline polymer for lithium storage. <i>Energy Storage Materials</i> , 2022, 50, 225-233.	9.5	20
3067	Advantageous Al-ion intercalation in Mo _{1.5} S ₁₉ nanosheets for aqueous symmetric supercapacitors. <i>Journal of Power Sources</i> , 2022, 539, 231593.	4.0	2
3068	All vanadium-based Li-ion hybrid supercapacitor with enhanced electrochemical performance via prelithiation. <i>Journal of Alloys and Compounds</i> , 2022, 914, 165288.	2.8	9
3069	Investigating the Perovskite Ag _{1-3x} LaxNbO ₃ as a High-Rate Negative Electrode for Li-Ion Batteries. <i>Frontiers in Chemistry</i> , 2022, 10, 873783.	1.8	2
3070	Carbon Nanocomposite-Based SCs as Wearable Energy Storage. <i>Advances in Material Research and Technology</i> , 2022, , 451-483.	0.3	2
3072	Insights into Synergistic Effect of g-C ₃ N ₄ /Graphite Heterostructures for Boosting Sodium Ion Storage with Long Cycle Stability. <i>ACS Applied Energy Materials</i> , 2022, 5, 7308-7316.	2.5	8
3073	Boosted H ⁺ Intercalation Enables Ultrahigh Rate Performance of the δ -MnO ₂ Cathode for Aqueous Zinc Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 26653-26661.	4.0	15
3074	A Nonstoichiometric Niobium Oxide/Graphite Composite for Fast-Charge Lithium-Ion Batteries. <i>Small</i> , 2022, 18, .	5.2	13
3075	Integrating MXene waste materials into value-added products for smart wearable self-powered healthcare monitoring. <i>Cell Reports Physical Science</i> , 2022, 3, 100908.	2.8	8
3076	A γ -C ₆₀ Low-Temperature Aqueous Lithium Ion-Bromine Battery with High Power Density Enabled by Electrolyte Design. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	11
3077	A high-performance asymmetric supercapacitor using composite electrodes of layered double hydroxides and holey reduced graphene oxide. <i>Journal of Energy Storage</i> , 2022, 52, 104899.	3.9	23

#	ARTICLE	IF	CITATIONS
3078	NiAl layered double hydroxides with enhanced interlayer spacing via ion-exchange as ultra-high performance supercapacitors electrode materials. <i>Journal of Energy Storage</i> , 2022, 52, 104940.	3.9	19
3079	Zinc-guided 3D graphene bulk materials for high-performance binder-free anodes of potassium-ion batteries. <i>Journal of Power Sources</i> , 2022, 540, 231613.	4.0	2
3080	Freestanding niobium pentoxide-decorated multiwalled carbon nanotube electrode: Charge storage mechanism in sodium-ion pseudocapacitor and battery. <i>Journal of Energy Storage</i> , 2022, 52, 104793.	3.9	9
3081	Reinforce effect with carbon interphase for high performance multi-phase V-based anode on sodium ion batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 168, 110796.	1.9	3
3082	Polymer Organic Cathodes Enable Efficient Desolvation for Highly Stable Sodium-Ion Batteries. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3083	Defects Collaborative 3d Cu ₂ se Nanoarrays Boosts High Rate Na-Ion Storage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3084	Dual Modified Morphology and Restrained Overpotential of Manganese Dioxide by Iron Doping for Boosting Aqueous Zinc Storage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3085	Large Energy Density Dual-Ion Battery Using Tetraglyme Aqueous Hybrid Electrolyte. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3086	Effect of Particle Size on Thermodynamics and Lithium Ion Transport in Electrodes Made of Ti ₂ Nb ₂ O ₉ Microparticles or Nanoparticles. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3087	Synergistic Incorporation of Fe and Co into Nickel Boride Nanosheets to Tune Voltage Plateau and Charge Storage in Supercapacitors. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3088	Surface-Defect Engineering of Nickel Hexacyanoferrate Material for High-Performance Printed Flexible Supercapacitors. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
3089	Mof-Derived CoFe ₂ O ₄ /Fe ₃ O ₄ Nanocomposites as Anode Materials for High-Performance Lithium-Ion Batteries. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3090	Tuning the Morphology and Size of NiMoO ₄ QDs Anchored on Reduced Graphene Oxide (RGO) Nanosheets: The Optimized Hybrid Electrodes for High Energy Density Asymmetric Supercapacitors. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3091	Coal-based hierarchically porous carbon nanofibers as high-performance anode for sodium-ion batteries. <i>ChemElectroChem</i> , 0, , .	1.7	3
3092	Design Rationale and Device Configuration of Lithium-Ion Capacitors. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	40
3093	Synergistic Optimization Strategy Involving Sandwich-like MnO ₂ @rGO and Laponite-Modified PAM for High-Performance Zinc-Ion Batteries and Zinc Dendrite Suppression. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 25962-25971.	4.0	15
3094	Compressible Neuron-like 3D Few-Layered MoS ₂ /N-Doped Graphene Foam as Freestanding and Binder-Free Electrodes for High-Performance Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 7249-7259.	2.5	6
3095	Monoclinic Bimetallic Prussian Blue Analog Cathode with High Capacity and Long Life for Advanced Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 24332-24340.	4.0	11

#	ARTICLE	IF	CITATIONS
3096	MXene (Ti ₃ C ₂ T _x)/Amine-Functionalized Graphene-Supported Self-Assembled Co ₉ S ₈ Nanoflower for Ultrastable Hybrid Supercapacitor. Industrial & Engineering Chemistry Research, 2022, 61, 7727-7738.	1.8	15
3097	Advanced Chalcogen Cathode Materials for Lithium-Ion Batteries. , 0, , .		0
3098	Structural regulation of vanadium oxide by poly(3,4-ethylenedioxythiophene) intercalation for ammonium-ion supercapacitors. , 2022, 1, 100013.		11
3099	Three-dimensional hierarchical carbon-incorporated Ni ₃ S ₂ @MnCoS@Co ₉ S ₈ composite on Ni foam for high-performance hybrid supercapacitors. Ceramics International, 2022, 48, 26660-26668.	2.3	6
3100	Ni ₂ O ₄ ·2H ₂ O Nanoflakes: A Novel Redox-mediated Intercalative Pseudocapacitive Electrode for Supercapacitor Applications in Aqueous KOH and Neutral Na ₂ SO ₄ electrolytes. ChemistrySelect, 2022, 7, .	0.7	7
3101	High-performance K-ion half/full batteries with superb rate capability and cycle stability. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	14
3102	Microporous Carbon Nanospheres with Fast Sodium Storage Capability Enabled by Dominant Capacitive Behavior. Langmuir, 2022, 38, 7331-7340.	1.6	7
3103	A Ten-Minute Synthesis of Ni-Ni(OH) ₂ Nanoflakes Assisted by Microwave on Flexible Stainless-Steel for Energy Storage Devices. Nanomaterials, 2022, 12, 1911.	1.9	1
3104	The effect of different atmosphere treatments on the performance of Ni/NbAl ₂ O ₃ catalysts for methane steam reforming. International Journal of Hydrogen Energy, 2023, 48, 6358-6369.	3.8	12
3105	Construction Strategy of VO ₂ @V ₂ C 1D/2D Heterostructure and Improvement of Zinc-Ion Diffusion Ability in VO ₂ (B). ACS Applied Materials & Interfaces, 2022, 14, 28760-28768.	4.0	35
3106	Understanding Rapid Intercalation Materials One Parameter at a Time. Advanced Functional Materials, 2022, 32, .	7.8	10
3107	A novel high pseudo-capacitive contribution anode in K-ion battery: Porous TiNbO ₄ /C nanofibers. Journal of Power Sources, 2022, 541, 231635.	4.0	5
3108	Pseudocapacitive Zinc Cation Intercalation with Superior Kinetics Enabled by Atomically Thin V ₂ O ₅ Nanobelts for Quasi-Solid-State Microbatteries. Energy Storage Materials, 2022, 50, 454-463.	9.5	20
3109	Non-aqueous rechargeable calcium-ion batteries based on high voltage zirconium-doped ammonium vanadium oxide cathode. Journal of Power Sources, 2022, 541, 231669.	4.0	8
3110	Bi ₂ O ₃ nanospheres coated in electrospun carbon spheres derived Bi@C used as anode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2022, 918, 165666.	2.8	2
3111	Hierarchically porous trimetallic hydroxide arrays for aqueous energy storage and oxygen evolution with enhanced redox kinetics. Journal of Alloys and Compounds, 2022, 918, 165650.	2.8	6
3113	Highly efficient phenanthroline-based organic anode materials with a three-electron redox mechanism. Journal of Materials Chemistry A, 2022, 10, 14917-14922.	5.2	6
3114	Trash to treasure: recycling discarded agarose gel for practical Na/K-ion batteries. Journal of Materials Chemistry A, 2022, 10, 15026-15035.	5.2	7

#	ARTICLE	IF	CITATIONS
3115	Rapid synthesis of layered K_xMnO_2 cathodes from metal-organic frameworks for potassium-ion batteries. <i>Chemical Science</i> , 2022, 13, 7575-7580.	3.7	16
3116	Enhancing Structural and Cycle Stability of Prussian Blue Cathode Materials for Calcium-Ion Batteries by Introducing Divalent Fe. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3117	$Fef_3\hat{A}0.33h_2o@C$ Nanocomposites Derived from Pomegranate Structure as High-Performance Cathodes for Sodium- and Lithium-Ion Batteries. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3118	Vapor-Solid-Solid Growth of Si Nanowires Using Mg Seeds and Their Electrochemical Performance in Li-Ion Battery Anodes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3119	Double Reaction Initiated Self-Assembly Process Fabricated Hard Carbon with High Power Capability for Lithium Ion Capacitor Anodes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3120	$Co_2V_2O_7@Ti_3C_2Tx$ MXene Hollow Structures Synergizing the Merits of Conversion and Intercalation for Efficient Lithium Ion Storage. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	8
3121	Phenanthraquinone-based polymer organic cathodes for highly efficient Na-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 449, 137745.	6.6	12
3122	Tuning Carbon Contents and Further Capacitances of Coordination Polymer-Derived Carbonaceous Composites by Annealing Temperatures. <i>Crystal Growth and Design</i> , 0, , .	1.4	1
3123	Mechanochemical Synthesis of Orthorhombic Nickel Niobate ($NiNb_2O_6$) as a Robust and Fast Charging Anode Material for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 7443-7457.	2.5	6
3124	Formulating High-Rate and Long-Cycle Heterostructured Layered Oxide Cathodes by Local Chemistry and Orbital Hybridization Modulation for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2022, 34, .	11.1	48
3125	Flexible and robust silicon/carbon nanotube anodes exhibiting high areal capacities. <i>Journal of Colloid and Interface Science</i> , 2022, 625, 871-878.	5.0	10
3126	Anti-Aggregation of Nanosized CoS_2 for Stable K^+ Ion Storage: Insights into Aggregation-Induced Electrode Failures. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	21
3127	Modification of Porous N-Doped Carbon with Sulfonic Acid toward High-ICE/Capacity Anode Material for Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	44
3128	Nitrogen and phosphorus co-doped carbon for improving capacity and rate performances of potassium ion batteries. <i>FlatChem</i> , 2022, , 100398.	2.8	7
3129	Revealing Kinetics Process of Fast Charge-Storage Behavior Associated with Potential in 2D Polyaniline. <i>Energy Technology</i> , 2022, 10, .	1.8	2
3130	Conductive $LaCeNb_6O_{18}$ with a Very Open A-Site-Cation-Deficient Perovskite Structure: A Fast and Stable Charging Li^+ Storage Anode Compound in a Wide Temperature Range. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	19
3131	Unprecedented Superhigh-Rate and Ultrastable Anode for High-Power Battery via Cationic Disorder. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	22
3132	Consecutive hybrid mechanism boosting Na^+ storage performance of dual-confined $SnSe_2$ in N, Se-doping double-walled hollow carbon spheres. <i>Journal of Energy Chemistry</i> , 2022, 74, 8-17.	7.1	20

#	ARTICLE	IF	CITATIONS
3133	Methyl-functionalized hydrangea-like vanadium pentoxide cathode for aqueous zinc ion batteries with high-rate and long-term cycling stability. <i>Journal of Alloys and Compounds</i> , 2022, 920, 166010.	2.8	8
3134	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
3135	A Versatile Strategy for Achieving Fast-Charging Batteries via Interfacial Engineering: Pseudocapacitive Potassium Storage without Nanostructuring. <i>Small</i> , 2022, 18, .	5.2	10
3136	Construction of FeS ₂ @C coated with reduced graphene oxide as high-performance anode for lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2022, 918, 116467.	1.9	4
3137	Flexible supercapacitors based on free-standing polyaniline/single-walled carbon nanotube films. <i>Journal of Power Sources</i> , 2022, 541, 231691.	4.0	21
3138	Tailoring the morphology of orthorhombic Li ₂ MnSiO ₄ by carbon additive and its impact on transport and Li-storage properties. <i>Journal of Power Sources</i> , 2022, 542, 231630.	4.0	1
3139	Enabling deep conversion reactions by weakening molybdenum-oxygen bonds through K ⁺ pre-intercalation. <i>Electrochimica Acta</i> , 2022, 425, 140694.	2.6	0
3140	Tungsten oxide-based nanomaterials for supercapacitors: Mechanism, fabrication, characterization, multifunctionality, and electrochemical performance. <i>Progress in Materials Science</i> , 2022, 130, 100978.	16.0	40
3141	Catalytic and pseudocapacitive energy storage performance of metal (Co, Ni, Cu and Mn) ferrite nanostructures and nanocomposites. <i>Progress in Materials Science</i> , 2022, 130, 100995.	16.0	25
3142	Laser-radiated tellurium vacancies enable high-performance telluride molybdenum anode for aqueous zinc-ion batteries. <i>Energy Storage Materials</i> , 2022, 51, 29-37.	9.5	22
3143	Designing of reinforced two-dimensional molybdenum sulfoselenide microspheres by SnS quantum flakes with N-doped carbon for high performance half/full lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 920, 165827.	2.8	3
3144	A general strategy to enhance the electrochemical activity and energy density of energy-storage materials through using sintering aids with redox activity: a case study of Mo ₄ Nb ₂₆ O ₇₇ . <i>Journal of Materials Chemistry A</i> , 2022, 10, 19953-19962.	5.2	2
3145	Current trends in flexible and wearable supercapacitors based on conjugated polymers. , 2022, , 219-242.		0
3146	Oxygen Activity Excited Thiophene-Diketopyrrolopyrrole-Based Organic Molecules as Anode for Lithium-Ion Batteries with Enhanced Interfacial Storage Capacity and Long Cycling Capability. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3148	Constructing NiCo ₂ Se ₄ /NiCoS ₄ heterostructures for high-performance rechargeable aluminum battery cathodes. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4041-4048.	3.0	3
3149	Modified polydopamine derivatives as high-performance organic anodes for potassium-ion batteries. <i>Sustainable Energy and Fuels</i> , 2022, 6, 3527-3535.	2.5	1
3150	Hierarchical mesoporous selenium@bimetallic selenide quadrilateral nanosheet arrays for advanced flexible asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 16212-16223.	5.2	23
3151	Fabrication of porous imidazole polymerized ionic liquids with fast ion diffusing kinetics for super lithiation anode materials in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 16795-16802.	5.2	6

#	ARTICLE	IF	CITATIONS
3152	Facile preparation of nitrogen-doped carbon nanosheets from CO ₂ for potassium-ion storage. <i>Materials Chemistry Frontiers</i> , 2022, 6, 2535-2544.	3.2	4
3153	Fabrication of FeP-Based Composite Via N-Doping into Amorphous Carbon and Graphene-Protecting Strategy for Lithium-Ion Batteries. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3154	Interlayer Doping of Pseudocapacitive Hydrated Vanadium Oxide Via Mn ²⁺ for High-Performance Aqueous Zinc-Ion Battery. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3155	Understanding the Role of Charge Storage Mechanisms in the Electrochromic Switching Kinetics of Metal Oxide Nanocrystals. <i>Chemistry of Materials</i> , 2022, 34, 5621-5633.	3.2	13
3156	Impact of Thermally Reducing Temperature on Graphene Oxide Thin Films and Microsupercapacitor Performance. <i>Nanomaterials</i> , 2022, 12, 2211.	1.9	6
3157	Layered Perovskite Lithium Yttrium Titanate as a Low-Potential and Ultrahigh-Rate Anode for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	17
3158	Engineering Fluoride-rich Interphase and Inhibiting Grain Coarsening for Highly Reversible Bismuth Sulfide Anode for Sodium Storage. <i>Materials Today Energy</i> , 2022, , 101084.	2.5	1
3159	Urchin-like Nb ₂ O ₅ /CNT modified separator for lithium-sulfur batteries. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 27671-27679.	3.8	12
3160	Chemical cross-linking and mechanically reinforced carbon network constructed by graphene boosts potassium ion storage. <i>Nano Research</i> , 2022, 15, 9019-9025.	5.8	9
3161	Comprehensive Study of Sodium Copper Hexacyanoferrate, as a Sodium-Rich Low-Cost Positive Electrode for Sodium-Ion Batteries. <i>Energy & Fuels</i> , 2022, 36, 7816-7828.	2.5	4
3162	Pseudo-capacitive and kinetic enhancement of metal oxides and pillared graphite composite for stabilizing battery anodes. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
3163	Recent advances in modulation engineering-enabled metal compounds for potassium-ion storage. <i>Energy Storage Materials</i> , 2022, 51, 815-839.	9.5	25
3164	Beyond Nonactin: Potentiometric Ammonium Ion Sensing Based on Ion-selective Membrane-free Prussian Blue Analogue Transducers. <i>Analytical Chemistry</i> , 2022, 94, 10487-10496.	3.2	8
3165	Regulating Hybrid Anodes for Efficient Li ⁺ /Na ⁺ Storage. , 2022, 4, 1411-1421.		9
3166	Synergistic Engineering of Heterointerface and Architecture in New-Type ZnS/Sn Heterostructures In Situ Encapsulated in Nitrogen-Doped Carbon Toward High-Efficient Lithium-Ion Storage. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	84
3167	MnO ₂ Nanoflower Decorated on ZIF@ZnO with the Supporting of Ni Foam for High-performance Supercapacitor. <i>ChemNanoMat</i> , 0, , .	1.5	1
3168	Multimetallic transition metal phosphide nanostructures for supercapacitors and electrochemical water splitting. <i>Nanotechnology</i> , 2022, 33, 432004.	1.3	11
3169	Triple Conductive Wiring by Electron Doping, Chelation Coating and Electrochemical Conversion in Fluffy Nb ₂ O ₅ Anodes for Fast-Charging Li-Ion Batteries. <i>Advanced Science</i> , 2022, 9, .	5.6	33

#	ARTICLE	IF	CITATIONS
3170	Strongly Coupled Interfacial Engineering Inspired by Robotic Arms Enable High-Performance Sodium-Ion Capacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	78
3171	Prepare and optimize NASICON-type Na ₄ MnAl(PO ₄) ₃ as low cost cathode for sodium ion batteries. <i>Surfaces and Interfaces</i> , 2022, 32, 102151.	1.5	7
3172	Micro-nano morphology regulation via electrospinning strategy enables high-performance high-voltage polymer cathodes for lithium-organic batteries. <i>Journal of Power Sources</i> , 2022, 542, 231824.	4.0	3
3173	N-doped hollow carbon nanoplates with mesoporous thin shells towards high-performance supercapacitors. <i>Journal of Power Sources</i> , 2022, 542, 231776.	4.0	12
3174	A high-performance pseudocapacitive negatrod for lithium-ion capacitor based on a tetrathiafulvalene-cobalt metal-organic framework. <i>Electrochimica Acta</i> , 2022, 426, 140828.	2.6	3
3175	Engineering oxygen-deficient nanocomposite comprising LaNiO ₃ -r and reduced graphene oxide for high-performance pseudocapacitors. <i>Journal of Energy Storage</i> , 2022, 54, 105301.	3.9	9
3176	In situ oxygen doped Ti ₃ C ₂ T MXene flexible film as supercapacitor electrode. <i>Chemical Engineering Journal</i> , 2022, 446, 137451.	6.6	22
3177	Ultrafast and simple integration engineering of graphene-based flexible films with extensive tunability and simple trial in lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 922, 166282.	2.8	5
3178	Ultra-small few-layered MoSe ₂ nanosheets encapsulated in nitrogen-doped porous carbon nanofibers to create large heterointerfaces for enhanced potassium-ion storage. <i>Applied Surface Science</i> , 2022, 601, 154196.	3.1	3
3179	An interconnected NaTi ₂ (PO ₄) ₃ /carbon composite from an all-integrated framework with chelating Ti in a cross-linked citric acid-organic phosphonic acid skeleton for high-performance sodium storage. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 1-12.	5.0	6
3180	Construction of V _{1.11} S ₂ flower spheres for efficient aqueous Zn-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 625, 1002-1011.	5.0	6
3181	Conjugately configured supercapacitors: Mitigating self-discharge based on pairs of pre-lithiated niobium oxides. <i>Chemical Engineering Journal</i> , 2022, 450, 137977.	6.6	13
3182	High energy superstable hybrid capacitor with a self-regulated Zn/electrolyte interface and 3D graphene-like carbon cathode. <i>Informa Materials</i> , 2022, 4, .	8.5	14
3183	Synergistic effect of tailored 3D/2D Ti ₃ C ₂ T _x /CoS ₂ /C nanostructured composite anode for significantly enhanced Li-ion storage. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 2988-3001.	9.9	12
3184	Iterative Synthesis of Contorted Macromolecular Ladders for Fast-Charging and Long-Life Lithium Batteries. <i>Journal of the American Chemical Society</i> , 2022, 144, 13973-13980.	6.6	25
3185	NiS ₂ nanoparticles anchored on MXene conductive frameworks with enhanced lithium and sodium storage properties. <i>Ionics</i> , 2022, 28, 4621-4629.	1.2	6
3186	Freestanding carbon nanotube/orthorhombic V ₂ O ₅ nanobelt films for advanced aqueous zinc-ion batteries: electrochemical performance and in situ Raman spectroscopy investigations. <i>Ionics</i> , 2022, 28, 4709-4718.	1.2	3
3187	Surface/interface engineering strategy modulated electrode structure for a flexible quasi-solid-state fiber-shaped NiCo//Bi battery. <i>Materials Today Chemistry</i> , 2022, 26, 101055.	1.7	0

#	ARTICLE	IF	CITATIONS
3188	Suppressing Vanadium Dissolution in "Water-in-Salt" Electrolytes for 3.2 V Aqueous Sodium-Ion Pseudocapacitors. ACS Applied Materials & Interfaces, 2022, 14, 35485-35494.	4.0	2
3189	Constructing a Micrometer-Sized Structure through an Initial Electrochemical Process for Ultrahigh-Performance Li ⁺ Storage. ACS Applied Materials & Interfaces, 2022, 14, 35522-35533.	4.0	4
3190	Robust Multiscale Electron/Ion Transport and Enhanced Structural Stability in SiO _x Semi-Solid Anolytes Enabled by Trifunctional Artificial Interfaces for High-Performance Li-Ion Slurry Flow Batteries. Small, 2022, 18, .	5.2	7
3191	Porous Carbon@Ferric Silicate Hollow Spheres for Enhanced Lithium and Sodium Storage. Energy Technology, 0, , 2200619.	1.8	2
3192	MoS ₂ -intercalated carbon hetero-layers bonded on graphene as electrode materials for enhanced sodium/potassium ion storage. Nano Research, 2023, 16, 473-480.	5.8	9
3193	Imide-Based Covalent Organic Frameworks/Carbon Nanotube Composites as Anode Materials for Potassium Storage. ChemistrySelect, 2022, 7, .	0.7	5
3194	Microstructure engineering of nickel-rich oxide/carbon composite cathodes for fast charging of lithium-ion batteries. Ceramics International, 2022, 48, 31859-31865.	2.3	3
3195	Current Collector-Free Interdigitated Nb ₂ O ₅ // LiFePO ₄ Micro-Batteries Prepared by a Simple Laser-Writing Process. Journal of the Electrochemical Society, 0, , .	1.3	1
3196	Hierarchical Self-Assembly Strategy for Scalable Synthesis of Li ₃ VO ₄ /N Doped C Nanosheets for High-Rate Li-Ion Storage. ACS Applied Materials & Interfaces, 2022, 14, 35854-35863.	4.0	15
3197	Structure and surface modification of MXene for efficient Li/K-ion storage. Journal of Energy Chemistry, 2022, 75, 330-339.	7.1	15
3198	Upcycling End of Life Solar Panels to Lithium-Ion Batteries Via a Low Temperature Approach. ChemSusChem, 2022, 15, .	3.6	6
3199	Highly N-doped carbon with low graphitic N content as anode material for enhanced initial Coulombic efficiency of lithium-ion batteries. , 2023, 5, .		34
3200	Carbon Quantum Dot Modified Reduced Graphene Oxide Framework for Improved Alkali Metal Ion Storage Performance. Small, 2022, 18, .	5.2	11
3201	Defect engineering of hierarchical porous carbon microspheres for potassium-ion storage. Rare Metals, 2022, 41, 3446-3455.	3.6	18
3202	Ethynyl functionalized porphyrin complex as a new cathode for organic alkali metal batteries with excellent cycling stability. Chemical Engineering Journal, 2023, 451, 138734.	6.6	9
3203	Solid Solution MoS ₂ Te with Reduced Lattice Change Compared to MoS ₂ "MoTe ₂ Heterostructure for Enhanced Cycling Performance of Lithium-Ion Batteries. Energy Technology, 0, , 2200649.	1.8	0
3204	Porous Structures Formed by Fluorine-Doped Reduced Graphene Oxide Sheets as High-Performance Anodes for Potassium-Ion Batteries. ACS Applied Energy Materials, 2022, 5, 11317-11327.	2.5	1
3205	Nickel-based materials: Toward practical application of the aqueous hybrid supercapacitors. Sustainable Materials and Technologies, 2022, , e00479.	1.7	4

#	ARTICLE	IF	CITATIONS
3206	Surface-dominated ultra-stable sodium and potassium storage enabled by N/P/O tri-doped porous carbon. <i>Chemical Engineering Journal</i> , 2022, 450, 138444.	6.6	13
3207	Zero-strain $K_2SrV_4O_{12}$ as a high-temperature friendly Li ⁺ -storage material. <i>Energy Storage Materials</i> , 2022, 52, 637-645.	9.5	13
3208	Design of bipolar polymer electrodes for symmetric Li-dual-ion batteries. <i>Chemical Engineering Journal</i> , 2023, 451, 138773.	6.6	14
3209	Bismuth-based metal-organic frameworks derived rod-like nanoreactors for neutral aqueous battery-type anode. <i>Science China Materials</i> , 2023, 66, 106-117.	3.5	8
3210	Redox-active conjugated microporous polymers as electron-accepting organic pseudocapacitor electrode materials for flexible energy storage. <i>Science China Chemistry</i> , 2022, 65, 1767-1774.	4.2	13
3211	Electron-Injection and Atomic-Interface Engineering toward Stabilized Defected 1T-Rich MoS_2 as High Rate Anode for Sodium Storage. <i>ACS Nano</i> , 2022, 16, 12425-12436.	7.3	34
3212	Multi-Functional Potassium Ion Assists Ammonium Vanadium Oxide Cathode for High-Performance Aqueous Zinc-Ion Batteries. <i>Batteries</i> , 2022, 8, 84.	2.1	3
3213	Upcycling spent alkaline batteries into rechargeable zinc metal batteries. <i>Nano Energy</i> , 2022, 102, 107724.	8.2	8
3214	Bridging 1D Inorganic and Organic Synthesis to Fabricate Ultrathin Bismuth-Based Nanotubes with Controllable Size as Anode Materials for Secondary Li Batteries. <i>Small</i> , 2022, 18, .	5.2	1
3215	Erdite $NaFeS_2$ as a New Anode Material for Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 10666-10674.	3.2	5
3216	Metal-Organic Framework-Derived Ultrafine ZnO/Co_3ZnC Particles Embedded in N-Doped Carbon Concave Dodecahedron Towards Enhanced Lithium Storage. <i>ChemElectroChem</i> , 2022, 9, .	1.7	3
3217	Three-dimensional Ti_3C_2 MXene@silicon@nitrogen-doped carbon foam for high performance self-standing lithium-ion battery anodes. <i>Journal of Electroanalytical Chemistry</i> , 2022, 921, 116664.	1.9	3
3218	Hierarchic porous graphite/reduced graphene oxide composites generated from semi-coke as high-performance anodes for lithium-ion batteries. <i>Sustainable Materials and Technologies</i> , 2022, 33, e00476.	1.7	4
3219	Polymer organic cathodes enable efficient desolvation for highly stable sodium-ion batteries. <i>Journal of Power Sources</i> , 2022, 546, 231962.	4.0	2
3220	Engineering shell thickness of pyridinic-N rich hollow carbon nanospheres for stable and high energy density potassium ion hybrid capacitors. <i>Electrochimica Acta</i> , 2022, 428, 140931.	2.6	5
3221	Biochar-derived material decorated by MXene/reduced graphene oxide using one-step hydrothermal treatment as high-performance supercapacitor electrodes. <i>Carbon</i> , 2022, 199, 224-232.	5.4	11
3222	Effect of particle size on thermodynamics and lithium ion transport in electrodes made of $Ti_2Nb_2O_9$ microparticles or nanoparticles. <i>Energy Storage Materials</i> , 2022, 52, 371-385.	9.5	12
3223	Review on 2D MXene and graphene electrodes in capacitive deionization. <i>Environmental Technology and Innovation</i> , 2022, 28, 102858.	3.0	10

#	ARTICLE	IF	CITATIONS
3224	Synthesis and characterization of Nb-doped strontium cobaltite@GQD electrodes for high performance supercapacitors. <i>Journal of Energy Storage</i> , 2022, 55, 105388.	3.9	21
3225	Synthesis and energy storage characteristics of MnO microchains induced by high magnetic field. <i>Journal of Alloys and Compounds</i> , 2022, 926, 166774.	2.8	0
3226	Rechargeable aluminum-ion battery based on interface energy storage in two-dimensional layered graphene/TiO ₂ electrode. <i>Materials Today Sustainability</i> , 2022, 20, 100213.	1.9	3
3227	In situ synthesis of a self-supported MnO ₂ -based cathode for high-performance zinc-ion batteries by K ⁺ pre-intercalation. <i>Applied Surface Science</i> , 2022, 604, 154578.	3.1	6
3228	Boosting lifespan of conversion-reaction anodes for full/half potassium-ion batteries via multi-dimensional carbon nano-architectures confinement effect. <i>Journal of Energy Chemistry</i> , 2022, 75, 55-65.	7.1	8
3229	Modified morphology and restrained overpotential of manganese dioxide by iron doping for boosting aqueous zinc storage. <i>Journal of Alloys and Compounds</i> , 2022, 925, 166682.	2.8	2
3230	Enhancing structural and cycle stability of Prussian blue cathode materials for calcium-ion batteries by introducing divalent Fe. <i>Chemical Engineering Journal</i> , 2023, 451, 138650.	6.6	6
3231	Construction of defective Mo _x W _{1-x} S ₂ /Cu _{7.2} S ₄ polyhedral heterostructures for fast sodium storage. <i>Chemical Engineering Journal</i> , 2023, 451, 138645.	6.6	7
3232	Cobalt Sulfides Encapsulated in MOF-Derived Carbon Nanotubes for Enhanced Lithium Storage. <i>Journal of Electronic Materials</i> , 2022, 51, 6056-6066.	1.0	3
3233	Surface Engineering of Ni wires and Rapid Growth Strategy of Ni@MOF Synergistically Contribute to High-Performance Fiber-Shaped Aqueous Battery. <i>Small</i> , 2022, 18, .	5.2	50
3234	Nanocrystalline WSe ₂ excels at high-performance anode for Na storage via a facile one-pot hydrothermal method. <i>Tungsten</i> , 2024, 6, 248-258.	2.0	3
3235	Enabling the fast sodium ions diffusion by constructing reduced graphene oxide/TiO ₂ /MXenes tandem architecture for durable sodium ions battery. <i>Journal of Electroanalytical Chemistry</i> , 2022, 922, 116771.	1.9	1
3236	Cellulose from waste materials for electrochemical energy storage applications: A review. <i>Applied Surface Science Advances</i> , 2022, 11, 100298.	2.9	13
3237	Bi ₂ O ₃ particles embedded in carbon matrix as high-performance anode materials for potassium ion batteries. <i>Journal of Power Sources</i> , 2022, 549, 232140.	4.0	13
3238	A conjugately configured supercapacitor based on pairs of pre-lithiated Nb ₂ O ₅ /TiO ₂ with optimized retained energy upon aging enabled by suppressed self-discharge. <i>Journal of Power Sources</i> , 2022, 549, 232141.	4.0	7
3239	Fe ₃ O ₄ @C nanocomposites derived from pomegranate structure as high-performance cathodes for sodium- and lithium-ion batteries. <i>Journal of Power Sources</i> , 2022, 547, 232014.	4.0	8
3240	Facile preparation of hexagonal WO ₃ nanopillars and its reduced graphene oxide nanocomposites for high-performance supercapacitor. <i>Journal of Energy Storage</i> , 2022, 55, 105649.	3.9	11
3241	Morphology-modulation of (NH ₄) ₂ V ₄ O ₉ nanostructures for enhanced electrochemical performance as cathode material for aqueous rechargeable zinc ion batteries. <i>Solid State Ionics</i> , 2022, 385, 116023.	1.3	3

#	ARTICLE	IF	CITATIONS
3242	Calorimetry can detect the early onset of hydrolysis in hybrid supercapacitors with aqueous electrolytes. <i>Journal of Power Sources</i> , 2022, 548, 232069.	4.0	1
3243	Structural engineering of MnO_2 cathode by Ag^+ incorporation for high capacity aqueous zinc-ion batteries. <i>Journal of Power Sources</i> , 2022, 548, 232010.	4.0	12
3244	Zirconia-decorated V2CT MXene electrodes for supercapacitors. <i>Journal of Energy Storage</i> , 2022, 55, 105721.	3.9	17
3245	A facile preparation of submicro-sized Ti_2AlC precursor toward Ti_2CT MXene for lithium storage. <i>Electrochimica Acta</i> , 2022, 432, 141152.	2.6	3
3246	Dendrite-free Zn anodes enabled by a hierarchical zincophilic TiO_2 layer for rechargeable aqueous zinc-ion batteries. <i>Applied Surface Science</i> , 2022, 606, 154932.	3.1	19
3247	Superior lithium storage in Fe_2O_3 nanoporous arrays endowed by surface phosphorylation and bulk phosphorous doping. <i>Applied Surface Science</i> , 2022, 604, 154668.	3.1	5
3248	Electrochemical performance of $\text{Ti}_3\text{C}_2\text{T}_x$ MXenes obtained via ultrasound assisted LiF-HCl method. <i>Materials Today Communications</i> , 2022, 33, 104384.	0.9	2
3249	Simple and scalable gelatin-mediated synthesis of a novel iron sulfide/graphitic carbon nanoarchitecture for sustainable sodium-ion storage. <i>Journal of Alloys and Compounds</i> , 2022, 928, 167125.	2.8	4
3250	Correlating between the height of three-dimensional core-shell electrodes and ion transport for their electrochemical performance. <i>Applied Surface Science</i> , 2022, 605, 154726.	3.1	3
3251	Decoupling reaction rate and diffusion limitation to fast-charging electrodes by extended modeling of cyclic voltammetry data. <i>Energy Storage Materials</i> , 2022, 53, 381-390.	9.5	8
3252	Ultrathin two-dimensional nanosheet metal-organic frameworks with high-density ligand active sites for advanced lithium-ion capacitors. <i>Nano Energy</i> , 2022, 103, 107797.	8.2	30
3253	High performance rechargeable aqueous zinc-iodine batteries via a double iodine species fixation strategy with mesoporous carbon and modified separator. <i>Journal of Colloid and Interface Science</i> , 2023, 629, 279-287.	5.0	23
3254	Anthraquinone porous polymers with different linking patterns for high performance Zinc-Organic battery. <i>Journal of Colloid and Interface Science</i> , 2023, 629, 434-444.	5.0	12
3255	Robust MXene adding enables the stable interface of silicon anodes for high-performance Li-ion batteries. <i>Chemical Engineering Journal</i> , 2023, 452, 139139.	6.6	33
3256	Two-dimensional redox polydopamine with in-plane cylindrical mesochannels on graphene for high-energy and high-power lithium-ion capacitors. <i>Chemical Engineering Journal</i> , 2023, 452, 139095.	6.6	13
3257	Vapor-solid-solid growth of silicon nanowires using magnesium seeds and their electrochemical performance in Li-ion battery anodes. <i>Chemical Engineering Journal</i> , 2023, 452, 139397.	6.6	10
3258	Role of composition and texture on bifunctional catalytic performance of extruded Au-Cu alloys. <i>RSC Advances</i> , 2022, 12, 22492-22502.	1.7	0
3259	A low-concentration eutectic electrolyte for superior cycling ability of aqueous zinc-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 20273-20282.	5.2	12

#	ARTICLE	IF	CITATIONS
3260	Modifiable Dimensionality of Aggregates of Silicon To Optimize The Volume Effect for Lithium Storage. SSRN Electronic Journal, 0, , .	0.4	0
3261	Emerging two-dimensional nanostructured manganese-based materials for electrochemical energy storage: recent advances, mechanisms, challenges, and prospects. Journal of Materials Chemistry A, 2022, 10, 21197-21250.	5.2	43
3262	Nanostructured materials for electrochemical capacitors. , 2022, , .		0
3263	Increasing the molecular weight of conjugated polyelectrolytes improves the electrochemical stability of their pseudocapacitor gels. Journal of Materials Chemistry A, 2022, 10, 21642-21649.	5.2	6
3264	Recent advances in novel graphene: new horizons in renewable energy storage technologies. Journal of Materials Chemistry C, 2022, 10, 11472-11531.	2.7	18
3265	Zn₂SiO₄@C submicro-ellipsoids assembled from oriented nanorods with outstanding rate performance for Li-ion capacitors. Journal of Materials Chemistry A, 2022, 10, 17561-17571.	5.2	6
3266	Hierarchical MXene/transition metal oxide heterostructures for rechargeable batteries, capacitors, and capacitive deionization. Nanoscale, 2022, 14, 11923-11944.	2.8	28
3267	Flexible Hard~Soft Carbon Heterostructure Based on Mesopore Confined Carbonization for Ultrafast and Highly Durable Sodium Storage. SSRN Electronic Journal, 0, , .	0.4	0
3268	Practical conversion-type titanium telluride anodes for high-capacity long-lifespan rechargeable aqueous zinc batteries. Journal of Materials Chemistry A, 2022, 10, 16976-16985.	5.2	9
3269	Rational design of coral ball-like MoS₂/N-doped carbon nanohybrids <i>via</i> atomic interface engineering for effective sodium/potassium storage. Journal of Materials Chemistry C, 2022, 10, 14686-14694.	2.7	3
3270	Electrolyte Initiated Instantaneous In-Situ Chemical Polymerization of Organic Cathodes for Ultralong-Cycling Magnesium Ion Batteries. SSRN Electronic Journal, 0, , .	0.4	0
3271	Local structure and ion storage properties of vanadate cathode materials regulated by the pre-alkalization. Journal of Materials Chemistry A, 2022, 10, 20552-20558.	5.2	2
3272	Two-dimensional covalent organic frameworks with p- and bipolar-type redox-active centers for organic high-performance Li-ion battery cathodes. Journal of Materials Chemistry A, 2022, 10, 16595-16601.	5.2	20
3273	Metal oxide-based nanocomposites for supercapacitive applications. , 2022, , 187-211.		0
3274	Fabrication of Nico Layered Double Hydroxide on Carbon Fiber Paper as High Performance Binder-Free Electrode for Supercapacitors. SSRN Electronic Journal, 0, , .	0.4	0
3275	Long-life superlithiation of few-layered covalent organic nanosheets <i>via</i> graphene quantum dots/carbon nanotube stabilized three-dimensional architecture. Journal of Materials Chemistry A, 0, , .	5.2	0
3276	Cu/Cu_{<i>x</i>}O@C nanocomposites as efficient electrodes for high-performance supercapacitor devices. Dalton Transactions, 2022, 51, 14551-14556.	1.6	13
3277	Manipulating the crack path through the surface functional groups of MXenes. Nanoscale, 2022, 14, 14169-14177.	2.8	2

#	ARTICLE	IF	CITATIONS
3278	All-pseudocapacitive coordination towards flexible asymmetric fiber-shaped supercapacitors with ultrahigh energy and power density. <i>Journal of Materials Chemistry A</i> , 2022, 10, 21838-21847.	5.2	7
3279	Capacitive Charge Storage Mechanism in Sanmartinite to Be Determined by Qualitative and Quantitative Electrochemical Analysis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3280	Edge-enriched and S-doped carbon nanorods to accelerate electrochemical kinetics of sodium/potassium storage. <i>Carbon</i> , 2023, 201, 776-784.	5.4	10
3281	Reverse Dual-Ion Battery by Coupling Adsorption and Conversion Mechanism. <i>Advanced Materials Interfaces</i> , 2022, 9, 2200925.	1.9	0
3282	A review on the advances in electrochemical capacitive charge storage in transition metal oxide electrodes for pseudocapacitors. <i>International Journal of Energy Research</i> , 2022, 46, 21757-21796.	2.2	14
3283	MXenes serving aqueous supercapacitors: Preparation, energy storage mechanism and electrochemical performance enhancement. <i>Sustainable Materials and Technologies</i> , 2022, 33, e00490.	1.7	7
3284	Design and Synthesis of a Conjugated N-Heteroaromatic Material for Aqueous Zinc-Organic Batteries with Ultrahigh Rate and Extremely Long Life. <i>Advanced Materials</i> , 2023, 35, .	11.1	33
3285	The Debut and Spreading the Landscape for Excellent Vacancies-promoted Electrochemical Energy Storage of Nano-architected Molybdenum Oxides. <i>Materials Today Energy</i> , 2022, , 101154.	2.5	3
3286	Directional Regulation of Surface Chemistry of Graphene Using Carbon Dots for Sodium-Ion Battery Anodes. <i>ACS Applied Nano Materials</i> , 2022, 5, 14912-14921.	2.4	11
3287	Reducing graphene oxide carbon skeleton supported P-N heterostructure of bimetallic sulfide CoS-MoS ₂ nanorods for high-performance lithium storage. <i>Journal of Colloid and Interface Science</i> , 2023, 630, 623-633.	5.0	6
3288	Polymerization increasing the capacitive charge storage for better rate performance: A case study of electrodes in aqueous sodium-ion capacitors. , 2022, 1, .		12
3289	Phosphorus-Doped Fe ₃ O ₄ Nanoparticle-Based Cathodes for Lithium Storage. <i>ACS Applied Nano Materials</i> , 2022, 5, 13444-13454.	2.4	2
3290	Peripheral octamethyl-substituted nickel(II)-phthalocyanine-decorated carbon-nanotube electrodes for high-performance all-solid-state flexible symmetric supercapacitors. <i>Journal of Energy Chemistry</i> , 2023, 76, 214-225.	7.1	6
3291	Mxene Ti ₃ C ₂ generated TiO ₂ nanoparticles in situ and uniformly embedded in rGO sheets as high stable anodes for potassium ion batteries. <i>Journal of Alloys and Compounds</i> , 2023, 930, 167414.	2.8	13
3292	Halogenated Carboxylates as Organic Anodes for Stable and Sustainable Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 40784-40792.	4.0	11
3293	Lotus Root-Derived Porous Carbon as an Anode Material for Lithium-Ion Batteries. <i>ChemistrySelect</i> , 2022, 7, .	0.7	4
3294	Amorphous MoO ₂ /C Nanospheres-Porous Graphene Composites for Pseudocapacitive Li Storage. <i>ACS Applied Nano Materials</i> , 2022, 5, 13463-13472.	2.4	4
3295	NiSe ₂ Nanoparticles Decorated on Carbon Nanosheet Arrays as Anodes for Sodium Storage. <i>ACS Applied Nano Materials</i> , 2022, 5, 13498-13508.	2.4	14

#	ARTICLE	IF	CITATIONS
3296	Microwave-Reduced Graphene Oxide for Aluminum Batteries. ACS Applied Nano Materials, 2022, 5, 14347-14355.	2.4	4
3297	Boosting Charge Transfer Via Heterostructure Engineering of Ti ₂ CT _x /Na ₂ Ti ₃ O ₇ Nanobelts Array for Superior Sodium Storage Performance. Small, 2022, 18, .	5.2	8
3298	Solvated Sodium Storage via a Coadsorptive Mechanism in Microcrystalline Graphite Fiber. Advanced Energy Materials, 2022, 12, .	10.2	19
3299	Co- and Ni-Based Electroactive Metal-Organic Frameworks for Stable Lithium Storage: Electrochemical and Charge-Storage Behavior in Response to Different Metal Centers. Crystal Growth and Design, 2022, 22, 5872-5882.	1.4	4
3300	Fe ₃ O ₄ Nanoparticles Enhanced Amorphous Ferric Silicate/Reduced Graphene Oxide for High-Performance Lithium-Ion Storage. Advanced Materials Interfaces, 2022, 9, 2201192.	1.9	1
3301	Double reaction initiated self-assembly process fabricated hard carbon with high power capability for lithium ion capacitor anodes. Applied Surface Science, 2023, 609, 155083.	3.1	6
3302	Proton Storage in Metallic H _{1.75} MoO ₃ Nanobelts through the Grotthuss Mechanism. Journal of the American Chemical Society, 2022, 144, 17407-17415.	6.6	36
3303	A Reverse-Defect-Engineering Strategy toward High Edge-Nitrogen-Doped Nanotube-Like Carbon for High-Capacity and Stable Sodium Ion Capture. Advanced Functional Materials, 2022, 32, .	7.8	38
3304	Columnar liquid-crystalline triazine-based dendrimer with carbon nanotube filler for efficient organic lithium-ion batteries. Electrochimica Acta, 2022, 434, 141306.	2.6	4
3305	Revealing An Intercalation-Conversion-Heterogeneity Hybrid Lithium-Ion Storage Mechanism in Transition Metal Nitrides Electrodes with Jointly Fast Charging Capability and High Energy Output. Advanced Science, 2022, 9, .	5.6	17
3306	Solar-Light-Assisted Lithium-Ion Storage Using Solar-Light Absorbing Material. Energy Technology, 0, , .	1.8	0
3307	Hydrothermal synthesis of nickel foam-supported spinel ZnNi ₂ O ₄ nanostructure as electrode materials for supercapacitors. Electrochimica Acta, 2022, 434, 141314.	2.6	4
3308	Sodium-Ion Storage Properties of Thermally Stable Anatase. Energy Material Advances, 2022, 2022, .	4.7	5
3309	Hierarchical porous carbon nanofibers embedded with ultrafine Nb ₂ O ₅ nanocrystals for polysulfide-trapping-conversion Li-S batteries. Electrochimica Acta, 2022, 434, 141301.	2.6	3
3310	Modifiable dimensionality of aggregates of silicon to optimize the volume effect for lithium storage. Chemical Engineering Journal, 2023, 452, 139639.	6.6	7
3311	A high-tortuosity holey graphene in-situ derived from cytomembrane/cytoderm boosts ultrastable potassium storage. Journal of Materials Science and Technology, 2023, 139, 69-78.	5.6	3
3312	Environmentally Benign Humic Acid for Potassium-Ion Hybrid Capacitors. Energy & Fuels, 2022, 36, 12807-12815.	2.5	1
3313	Synthesis of Mn(OH)(OCH ₃) ₃ as a Novel Precursor for 2D MnS ₂ -Based Lithium-and Sodium-Ion Battery Anode Materials**. ChemElectroChem, 0, , .	1.7	1

#	ARTICLE	IF	CITATIONS
3314	Ni film decorated on Au-Ag alloy line to enhance graphene/cobalt hydroxide electrodes for micro-supercapacitors. <i>Electrochimica Acta</i> , 2022, 433, 141247.	2.6	1
3315	Aluminum-ion storage reversibility in a novel spinel $\text{Al}_2/3\text{Li}_1/3\text{Mn}_2\text{O}_4$ cathode for aqueous rechargeable aluminum batteries. <i>Energy Storage Materials</i> , 2022, 53, 514-522.	9.5	16
3316	Associative Learning with Oxide-based Electrolyte-gated Transistor Synapses. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2022, , 519.	0.6	0
3317	Electrostatic self-assembly of MXene and carbon nanotube@ MnO_2 multilevel hybrids for achieving fast charge storage kinetics in aqueous asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 23886-23895.	5.2	4
3318	Hierarchical layered nickel-iron double hydroxide/carbon nanotube fiber electrode for constructing asymmetric fiber supercapacitor. <i>Sustainable Energy and Fuels</i> , 0, , .	2.5	0
3319	Hierarchical porous metal-organic gels and derived materials: from fundamentals to potential applications. <i>Chemical Society Reviews</i> , 2022, 51, 9068-9126.	18.7	30
3320	Battery materials. , 2023, , 308-363.		0
3321	The Mechanical Properties of Batteries and Supercapacitors. , 2022, , .		0
3322	2D Nb_2O_5 @2D Metallic RuO_2 Heterostructures as Highly Reversible Anode Materials for Lithium-ion Batteries. , 0, 1, .		0
3323	High-Capacity and Long-Lived Silicon Anodes Enabled by Three-Dimensional Porous Conductive Network Design and Surface Reconstruction. <i>ACS Applied Energy Materials</i> , 2022, 5, 13877-13886.	2.5	9
3324	Synthesis Strategies and Electrochemical Research Progress of Nano/Microscale Metal-Organic Frameworks. <i>Small Science</i> , 2022, 2, .	5.8	4
3325	Controlled Nitrogen Doping in Crumpled Graphene for Improved Alkali Metal-Ion Storage under Low-Temperature Conditions. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	11
3326	Nitrogen-rich three-dimensional porous carbon mosaicked $\text{Na}_4\text{Ge}_9\text{O}_{20}$ as anode material for high-performance lithium-ion batteries. <i>Rare Metals</i> , 2023, 42, 438-448.	3.6	5
3327	Anchoring Metal-Organic Framework-Derived $\text{ZnTe}@C$ onto Elastic $\text{Ti}_3\text{C}_2\text{T}_x$ MXene with 0D/2D Dual Confinement for Ultrastable Potassium-Ion Storage. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	18
3328	Dense $\text{T-Nb}_2\text{O}_5$ /Carbon Microspheres for Ultrafast-(Dis)charge and High-Loading Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 49865-49874.	4.0	9
3329	Bimetallic Borate Ni_2FeBO_5 as a High-Performance Anode for Sodium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2022, 126, 18636-18644.	1.5	3
3330	Constructing Nonaqueous Rechargeable Zinc-Ion Batteries with Zinc Trifluoroacetate. <i>ACS Applied Energy Materials</i> , 2022, 5, 12437-12447.	2.5	5
3331	Enhanced Acidic Water Oxidation by Dynamic Migration of Oxygen Species at the $\text{Ir/Nb}_2\text{O}_5$ Catalyst/Support Interfaces. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	59

#	ARTICLE	IF	CITATIONS
3332	Heterostructures Stimulate Electric Field to Facilitate Optimal Zn ²⁺ Intercalation in MoS ₂ Cathode. <i>Small</i> , 2022, 18, .	5.2	24
3333	Unlocking the High Capacity Ammonium Ion Storage in Defective Vanadium Dioxide. <i>Small</i> , 2022, 18, .	5.2	19
3334	Pseudocapacitance of Vanadium Carbide MXenes in Basic and Acidic Aqueous Electrolytes. <i>ACS Energy Letters</i> , 2022, 7, 3864-3870.	8.8	16
3335	Multilayered Architecture Assembled from Sn(HPO ₄) ₂ Nanosheets and Reduced Graphene Oxide As Superior Cyclability Anodes for Sodium-Ion Batteries. <i>Energy & Fuels</i> , 2022, 36, 13894-13901.	2.5	2
3336	Electrospinning Preparation of a High-Rate Self-Supported Cathode for Rechargeable Aqueous Zinc-Ion Batteries. <i>Energy & Fuels</i> , 2022, 36, 13278-13285.	2.5	7
3337	Characterizing Electron Flow through Catechol-Graphene Composite Hydrogels. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	4
3338	High-performance Zn microbatteries based on a NiCo-LDH@ITO nanowire/carbon cloth composite. <i>New Carbon Materials</i> , 2022, 37, 968-977.	2.9	0
3339	Enhanced Acidic Water Oxidation by Dynamic Migration of Oxygen Species at the Ir/Nb ₂ O ₅ Catalyst/Support Interfaces. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
3340	The investigation of highly stable low strain orthorhombic Na ₂ TiSiO ₅ as anode material for lithium ion batteries and the migration behavior of Na-Li ions. <i>Electrochimica Acta</i> , 2023, 437, 141472.	2.6	1
3341	Continuously Interconnected N-Doped Porous Carbon for High-Performance Lithium-Ion Capacitors. <i>Nanoenergy Advances</i> , 2022, 2, 303-315.	3.6	7
3342	Core-shell and hollow meso-microporous carbon derived from ZIF-8@CMK-3 composites for Li-S batteries. <i>Journal of Alloys and Compounds</i> , 2023, 934, 167861.	2.8	7
3343	Tuning the morphology and size of NiMoO ₄ nanoparticles anchored on reduced graphene oxide (rGO) nanosheets: The optimized hybrid electrodes for high energy density asymmetric supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2023, 928, 116944.	1.9	7
3344	Rose-like VS ₂ Self-Assembled from Nanosheets with Superior Sodium Storage Performance. <i>Journal of the Electrochemical Society</i> , 2022, 169, 110519.	1.3	4
3345	Layer-by-layer covalent bond coupling way making graphdiyne cages. <i>Nano Energy</i> , 2022, 104, 107904.	8.2	3
3346	A Nickel-decorated porous graphitized carbon/sulfur cathode enabling excellent cycling stability of all-solid-state lithium-sulfur batteries. <i>Journal of Electroanalytical Chemistry</i> , 2022, 926, 116908.	1.9	2
3347	Fe, Co-codoped layered double hydroxide nanosheet arrays derived from zeolitic imidazolate frameworks for high-performance aqueous hybrid supercapacitors and Zn-Ni batteries. <i>Journal of Colloid and Interface Science</i> , 2023, 630, 286-296.	5.0	40
3348	Ultrathin graphdiyne oxide-intercalated MXene: A new heterostructure with interfacial synergistic effect for high performance lithium-ion storage. <i>Energy Storage Materials</i> , 2023, 54, 10-19.	9.5	16
3349	Facile synthesis of nano-Ag decorated Nb ₂ O ₅ on the 3D graphene framework for high-performance lithium storage. <i>Chemical Engineering Science</i> , 2023, 265, 118215.	1.9	1

#	ARTICLE	IF	CITATIONS
3350	Molten salt assisted conversion of corn lignocellulosic waste into carbon nanostructures with enhanced Li-ion storage performance. <i>Chemical Engineering Science</i> , 2023, 265, 118222.	1.9	10
3351	Multi-electron/ion conduction channels enabling high-performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 25148-25158.	5.2	11
3352	Supercapacitive study for the electrode materials around the framework-collapsed point of Ni-based coordination polymer. <i>CrystEngComm</i> , 0, , .	1.3	0
3353	Interlayer Engineering of V ₂ O ₅ Anode toward High Rate and Durable Dual Ion Batteries. <i>Inorganic Chemistry Frontiers</i> , 0, , .	3.0	0
3354	A novel strategy <i>via</i> electrode catalysis induced nano transformation for lithiated-bimetallic-oxides to avoid the long activation process of advanced lithium-ion batteries. <i>Nanoscale</i> , 2022, 14, 17013-17026.	2.8	1
3355	A superior sodium-ion battery based on tubular Prussian blue cathode and its derived phosphide anode. <i>Journal of Power Sources</i> , 2023, 554, 232334.	4.0	14
3356	Single-crystalline Mn ₂ V ₂ O ₇ anodes with high rate and ultra-stable capability for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2023, 934, 168018.	2.8	7
3357	Spinel-structured CuCo ₂ O ₄ with a mixed 1D/2D morphology for asymmetric supercapacitor and oxygen evolution electrocatalyst applications. <i>Electrochimica Acta</i> , 2023, 437, 141507.	2.6	12
3358	Electrochemical one-step synthesis of Mn ₃ O ₄ with tunable oxygen defects for high-performance aqueous zinc-ion batteries. <i>Journal of Alloys and Compounds</i> , 2023, 934, 167933.	2.8	4
3359	Polyoxometalate-Enhanced 3D-Printed Supercapacitors. <i>ChemSusChem</i> , 2022, 15, .	3.6	5
3360	Porosity Engineering towards Nitrogen-Rich Carbon Host Enables Ultrahigh Capacity Sulfur Cathode for Room Temperature Potassium-Sulfur Batteries. <i>Nanomaterials</i> , 2022, 12, 3968.	1.9	2
3361	Filling Selenium into Sulfur Vacancies in Ultrathin Tungsten Sulfide Nanosheets for Superior Potassium Storage. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 51994-52006.	4.0	4
3362	Organic Small-Molecule Electrodes: Emerging Organic Composite Materials in Supercapacitors for Efficient Energy Storage. <i>Molecules</i> , 2022, 27, 7692.	1.7	9
3363	Solvated Structure of Hybrid Tetraglyme-Aqueous Electrolyte Dissolving High-Concentration LiTFSI-LiFSI for Dual-Ion Battery. <i>ChemSusChem</i> , 2023, 16, .	3.6	1
3364	Cost-Effective Vat Orange 3-Derived Organic Cathodes for Electrochemical Energy Storage. <i>Batteries and Supercaps</i> , 0, , .	2.4	2
3365	High Pseudocapacitance-Driven CoC ₂ O ₄ Electrodes Exhibiting Superior Electrochemical Kinetics and Reversible Capacities for Lithium-Ion and Lithium-Sulfur Batteries. <i>Small</i> , 2022, 18, .	5.2	10
3366	Highly Stable Two-Dimensional Cluster-Based Ni/Co-Organic Layers for High-Performance Supercapacitors. <i>Inorganic Chemistry</i> , 2022, 61, 18743-18751.	1.9	5
3367	Doping sites modulation of T-Nb ₂ O ₅ to achieve ultrafast lithium storage. <i>Journal of Energy Chemistry</i> , 2023, 77, 280-289.	7.1	29

#	ARTICLE	IF	CITATIONS
3368	Ultrafast-laser powder bed fusion of oxygen-deficient Nb ₂ O ₅ ceramics with highly improved electrical properties. <i>Materials and Design</i> , 2022, 224, 111346.	3.3	2
3369	Cobalt-doped MoS ₂ -nH ₂ O nanosheets induced heterogeneous phases as high-rate capability and long-term cyclability cathodes for wearable zinc-ion batteries. <i>Energy Storage Materials</i> , 2023, 55, 1-11.	9.5	24
3370	Carbon coated porous iron oxide nanotubes for optimized lithium storage. <i>Solid State Ionics</i> , 2022, 387, 116067.	1.3	0
3371	Surface-controlled sodium-ion storage mechanism of Li ₄ Ti ₅ O ₁₂ anode. <i>Energy Storage Materials</i> , 2023, 54, 724-731.	9.5	13
3372	High-Performance Aqueous Zinc-Ion Batteries Enabled by Binder-Free and Ultrathin V ₂ O ₅ @Graphene Aerogels with Intercalation Pseudocapacitance. <i>ACS Applied Materials & Interfaces</i> , 0, , .	4.0	5
3373	Ultra-Low Resistivity Copper Mesh as Embedded Current Collector Layer for Inkjet-Printed Flexible Electrochromic Device Realizing Fast Response and Uniform Coloration. <i>Advanced Materials Technologies</i> , 2023, 8, .	3.0	4
3374	Electronic structure modification induced electrochemical performance enhancement of bi-functional multi-metal hydroxide. <i>Electrochimica Acta</i> , 2023, 439, 141616.	2.6	3
3375	Crystal phase and morphology engineering of 7%Li ₃ V ₂ O ₅ nanospheres for high-rate lithium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2023, 11, 621-629.	5.2	2
3376	Electrolyte initiated instantaneous in-situ chemical polymerization of organic cathodes for ultralong-cycling magnesium ion batteries. <i>Energy Storage Materials</i> , 2023, 55, 426-435.	9.5	15
3377	Fast electrochemical redox kinetics of two-dimensional TiO ₂ /Ti ₃ C ₂ T (MXene) heterostructure for high-performance lithium-ion capacitor. <i>Journal of Electroanalytical Chemistry</i> , 2023, 928, 117034.	1.9	5
3378	Capacitive charge storage mechanism in sanmartinite to be determined by qualitative and quantitative electrochemical analysis. <i>Electrochimica Acta</i> , 2023, 439, 141692.	2.6	2
3379	Electrochemical properties of aluminum ion batteries with emeraldine base polyaniline as cathode material. <i>Journal of Electroanalytical Chemistry</i> , 2023, 929, 117102.	1.9	5
3380	Heteroatom preintercalated Cl-terminated Ti ₃ C ₂ T MXene wrapped with mesoporous Fe ₂ O ₃ nanospheres for improved sodium ion storage. <i>New Journal of Chemistry</i> , 0, , .	1.4	2
3381	A robust solvothermal-driven solid-to-solid transition route from micron SnC ₂ O ₄ to tartaric acid-capped nano-SnO ₂ anchored on graphene for superior lithium and sodium storage. <i>Journal of Materials Chemistry A</i> , 2022, 11, 53-67.	5.2	13
3382	Surface iodine modification inducing robust CEI enables ultra-stable Li-Se batteries. <i>Chemical Engineering Journal</i> , 2023, 455, 140803.	6.6	3
3383	Graphene oxide coated polyaminoanthraquinone@MXene based flexible film electrode for high-performance supercapacitor. <i>Journal of Energy Storage</i> , 2023, 57, 106180.	3.9	17
3384	Ferric ion substitution renders cadmium metal-organic framework derivatives for modulated Li storage based on local oxidation active centers. <i>Dalton Transactions</i> , 2023, 52, 754-762.	1.6	1
3385	Facile synthesis of uniformly coated ZnO@Bi ₂ O ₃ composites anode for long-cycle-life zinc-nickel battery. <i>Journal of Energy Storage</i> , 2023, 58, 106350.	3.9	7

#	ARTICLE	IF	CITATIONS
3386	Spray-drying synthesis and vanadium-catalyzed graphitization of a nanocrystalline $\text{Li}_{3.2}\text{V}_{0.8}\text{Si}_{0.2}\text{O}_4/\text{C}$ anode material with a unique double capsule structure. <i>Journal of Materials Chemistry A</i> , 2023, 11, 1841-1855.	5.2	3
3387	Triggering hollow carbon nanotubes via dual doping for fast pseudocapacitive potassium-ion storage. <i>Applied Materials Today</i> , 2023, 30, 101694.	2.3	1
3388	Materials design and preparation for high energy density and high power density electrochemical supercapacitors. <i>Materials Science and Engineering Reports</i> , 2023, 152, 100713.	14.8	54
3389	Reasonable intrinsic microstructure of microcrystalline graphite for high-rate and long-life potassium-ion batteries. <i>Electrochimica Acta</i> , 2023, 440, 141703.	2.6	4
3390	Consecutive core-shell SP@PDA-d-MnO_2 cathode material for aqueous zinc-ion batteries. <i>Journal of Alloys and Compounds</i> , 2023, 938, 168555.	2.8	1
3391	Frontiers and recent developments on supercapacitor's materials, design, and applications: Transport and power system applications. <i>Journal of Energy Storage</i> , 2023, 58, 106104.	3.9	32
3392	Design strategy for high-performance bifunctional electrode materials with heterogeneous structures formed by hydrothermal sulfur etching. <i>Journal of Colloid and Interface Science</i> , 2023, 633, 608-618.	5.0	4
3393	NiS_2 nanospheres coated by nitrogen-doped carbon for enhanced sodium storage performance. <i>Journal of Alloys and Compounds</i> , 2023, 937, 168379.	2.8	6
3394	Carbon doping switching on the fast reaction kinetics of advanced LiVO_3 for lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2023, 937, 168473.	2.8	4
3395	Sulfur doped hollow carbon nanofiber anodes for fast-charging potassium-ion storage. <i>Applied Surface Science</i> , 2023, 614, 156149.	3.1	7
3396	MnS nanoparticles embedded uniformly in sulfur/nitrogen-doped porous carbon spheres enhancing lithium-storage performance. <i>Applied Surface Science</i> , 2023, 614, 156080.	3.1	2
3397	Free-standing vanadium oxide hydration/reduced graphene oxide film for ammonium ion supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2023, 633, 333-342.	5.0	8
3398	Devisable three-dimensional Cu_2Se nanoarrays boosts high rate Na-Ion storage. <i>Applied Surface Science</i> , 2023, 612, 155725.	3.1	8
3399	Surface diffusion enhancement of titania by surface fluorine modification to boost energy storage capacities. <i>Applied Surface Science</i> , 2023, 612, 155843.	3.1	2
3400	Facile Synthesis of TiO_2 Nanoparticles and Their Reduced Graphene Oxides (RGO) Based Nanocomposites as Electrodes for Dye Sensitized Solar Cells (DSSCs) with Enhanced Efficiency. <i>Science of Advanced Materials</i> , 2022, 14, 1304-1311.	0.1	0
3401	Boosting Sodium-Ion Storage via the Thermodynamic- and Dynamic-Induced Bidirectional Interfacial Electric Field in the $\text{ZnS}/\text{Sn}_2\text{S}_3$ Heterostructure Anode. <i>Energy & Fuels</i> , 2022, 36, 14423-14432.	2.5	5
3402	Promotive Effect of MWCNTs on NiS Microstructure and Their Application in Aqueous Asymmetric Supercapacitor. <i>Energy & Fuels</i> , 2022, 36, 15210-15220.	2.5	6
3403	Influence of the Molar Ratio of Co and V in Bimetallic Oxides on Their Pseudocapacitive Properties. <i>ACS Omega</i> , 2022, 7, 43522-43530.	1.6	7

#	ARTICLE	IF	CITATIONS
3404	Ultrastable and ultrafast 3D charge/discharge network of robust chemically coupled 1T-MoS ₂ /Ti ₃ C ₂ MXene heterostructure for aqueous Zn-ion batteries. <i>Chemical Engineering Journal</i> , 2023, 455, 140539.	6.6	17
3405	Atomic Layer Deposition for Electrochemical Energy: from Design to Industrialization. <i>Electrochemical Energy Reviews</i> , 2022, 5, .	13.1	21
3406	Synergistically Tailoring the Electronic Structure and Ion Diffusion of Atomically Thin Co(OH) ₂ Nanosheets Enable Fast Pseudocapacitive Sodium Ion Storage. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	3
3407	Multiscale hierarchical design of bismuth-carbon anodes for ultrafast-charging sodium-ion full battery. <i>Applied Surface Science</i> , 2023, 614, 156188.	3.1	6
3408	Three-in-one organic-inorganic heterostructures: From scalable ball-milling synthesis to freestanding cathodes with high areal capacity for aqueous zinc-ion batteries. <i>Chemical Engineering Journal</i> , 2023, 457, 141140.	6.6	11
3409	Advanced Nb ₂ O ₅ Anode towards Fast Pseudocapacitive Sodium Storage. <i>Coatings</i> , 2022, 12, 1873.	1.2	1
3410	Rational construction of Ag@MIL-88B(V)-derived hierarchical porous Ag-V ₂ O ₅ heterostructures with enhanced diffusion kinetics and cycling stability for aqueous zinc-ion batteries. <i>Journal of Energy Chemistry</i> , 2023, 77, 561-571.	7.1	26
3411	Dual fluorination of polymer electrolyte and conversion-type cathode for high-capacity all-solid-state lithium metal batteries. <i>Nature Communications</i> , 2022, 13, .	5.8	64
3412	Fundamentals and Scientific Challenges in Structural Design of Cathode Materials for Zinc-Ion Hybrid Supercapacitors. <i>Advanced Energy Materials</i> , 2023, 13, .	10.2	56
3413	Robust Biomass-Derived Carbon Frameworks as High-Performance Anodes in Potassium-Ion Batteries. <i>Small</i> , 2023, 19, .	5.2	13
3414	Thickness-Independent Capacitive Performance of Holey Ti ₃ C ₂ T _x Film Prepared through a Mild Oxidation Strategy. <i>Small</i> , 2023, 19, .	5.2	9
3415	Supramolecular self-assembly synthesis of hemoglobin-like amorphous CoP@N, P-doped carbon composites enable ultralong stable cycling under high-current density for lithium-ion battery anodes. <i>Advanced Composites and Hybrid Materials</i> , 2023, 6, .	9.9	107
3416	Self-Activation of Inorganic-Organic Hybrids Derived through Continuous Synthesis of Polyoxomolybdate and Phenylenediamine Enables Very High Lithium-Ion Storage Capacity. <i>ChemSusChem</i> , 2023, 16, .	3.6	2
3417	Heterostructured and Mesoporous Nb ₂ O ₅ @TiO ₂ Core-Shell Spheres as the Negative Electrode in Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 795-805.	4.0	4
3418	Boosting Potassium Storage Kinetics, Stability, and Volumetric Performance of Honeycomb-Like Porous Red Phosphorus via In Situ Embedding Self-Growing Conductive Nano-Metal Networks. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	16
3419	Sulfur-Doped Carbon for Potassium-Ion Battery Anode: Insight into the Doping and Potassium Storage Mechanism of Sulfur. <i>ACS Nano</i> , 2022, 16, 21443-21451.	7.3	38
3420	Anomalous Zn ²⁺ Storage Behavior in Dual-Ion-Sequence Reconstructed Vanadium Oxides. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	16
3421	Electrochemical behavior of novel electroactive LaTi ₄ Mn ₃ O ₁₂ /polyaniline composite for Li ⁺ -ion recovery from brine with high selectivity. <i>Separation and Purification Technology</i> , 2023, 309, 122997.	3.9	2

#	ARTICLE	IF	CITATIONS
3422	Recycled Additive Manufacturing Feedstocks for Fabricating High Voltage, Low-Cost Aqueous Supercapacitors. <i>Advanced Sustainable Systems</i> , 2023, 7, .	2.7	19
3423	Coral-like cobalt selenide/carbon nanosheet arrays attached on carbon nanofibers for high-rate sodium-ion storage. <i>Rare Metals</i> , 2023, 42, 916-928.	3.6	20
3424	Hybrid All-Solid-State Thin-Film Micro-supercapacitor Based on a Pseudocapacitive Amorphous TiO ₂ Electrode. <i>ACS Applied Energy Materials</i> , 2023, 6, 201-210.	2.5	6
3425	Ultrafast Sodium Intercalation Pseudocapacitance in MoS ₂ Facilitated by Phase Transition Suppression. <i>ACS Applied Energy Materials</i> , 2023, 6, 99-108.	2.5	6
3426	Manipulating K-Storage Mechanism of Soft Carbon via Molecular Design-Driven Structure Transformation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 54698-54707.	4.0	1
3427	Crystallinity Tuning of Na ₃ V ₂ (PO ₄) ₃ : Unlocking Sodium Storage Capacity and Inducing Pseudocapacitance Behavior. <i>Advanced Science</i> , 2023, 10, .	5.6	10
3428	An aqueous magnesium-ion battery working at ~50°C enabled by modulating electrolyte structure. <i>Chemical Engineering Journal</i> , 2023, 455, 140806.	6.6	10
3429	Novel supported low-temperature solid molten salt (SMS) anode materials for Li-ion batteries. <i>Chemical Engineering Journal</i> , 2023, 458, 141451.	6.6	6
3430	Investigation of SnS ₂ @rGO Sandwich Structures as Negative Electrode for Sodium-Ion and Potassium-Ion Batteries. <i>ChemSusChem</i> , 2023, 16, .	3.6	3
3431	Flexible hard-soft carbon heterostructure based on mesopore confined carbonization for ultrafast and highly durable sodium storage. <i>Carbon</i> , 2023, 205, 310-320.	5.4	11
3432	High Gravimetric Capacitance MXene Supercapacitor Electrode Based on Etched Ti ₃ C ₂ T _x by Chemical Etching. <i>Advanced Engineering Materials</i> , 2023, 25, .	1.6	1
3433	Sulphur vacancy induced Co ₃ S ₄ @CoMo ₂ S ₄ nanocomposites as a functional electrode for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2023, 11, 3640-3652.	5.2	12
3434	Constructing N-doped and 3D Hierarchical Porous graphene nanofoam by plasma activation for supercapacitor and Zn ion capacitor. <i>IScience</i> , 2023, 26, 105964.	1.9	10
3435	Controllable vacancy strategy mediated by organic ligands of nickel fluoride alkoxides for high-performance aqueous energy storage. <i>Journal of Materials Chemistry A</i> , 2023, 11, 1369-1379.	5.2	6
3436	Carbon-Shielded Selenium-Rich Trimetallic Selenides as Advanced Electrode Material for Durable Li-Ion Batteries and Supercapacitors. <i>Small Methods</i> , 2023, 7, .	4.6	5
3437	Designing strategies of advanced electrode materials for high-rate rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2023, 11, 4428-4457.	5.2	11
3438	SnS@C nanoparticles anchored on graphene oxide as high-performance anode materials for lithium-ion batteries. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	4
3439	Co-Insertion of Water with Protons into Organic Electrodes Enables High-Rate and High-Capacity Proton Batteries. <i>Small Structures</i> , 2023, 4, .	6.9	16

#	ARTICLE	IF	CITATIONS
3440	Novel Preoxidation-Assisted Mechanism to Precisely Form and Disperse Bi ₂ O ₃ Nanodots in Carbon Nanofibers for Ultralong-Life and High-Rate Sodium Storage. ACS Applied Materials & Interfaces, 2023, 15, 1891-1902.	4.0	4
3441	Unraveling high-performance oxygen-deficient amorphous manganese oxide as the cathode for advanced zinc ion batteries. Journal of Materials Chemistry A, 2023, 11, 2634-2640.	5.2	6
3442	Tunable Ion Transport in Two-Dimensional Nanofluidic Channels. Journal of Physical Chemistry Letters, 2023, 14, 627-636.	2.1	7
3443	Best practices for electrochemical characterization of supercapacitors. Journal of Energy Chemistry, 2023, 80, 265-283.	7.1	12
3444	An underlying nickel difluoride material as bifunctional electrode for energy storage and hydrogen evolution reaction. Journal of Electroanalytical Chemistry, 2023, 929, 117138.	1.9	4
3445	Constructing advanced vanadium oxide cathode materials for aqueous zinc-ion batteries via the micro-nano morphology regulation strategies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 662, 130953.	2.3	2
3446	Recent advances in and perspectives on pseudocapacitive materials for Supercapacitorsâ€“A review. Journal of Power Sources, 2023, 557, 232558.	4.0	32
3447	Double sites doping local chemistry Adjustment: A Multiple-Layer oriented P2-Type cathode with Long-life and Water/Air stability for sodium ion batteries. Chemical Engineering Journal, 2023, 458, 141384.	6.6	8
3448	Dual-functionally modified N/S doped hierarchical porous carbon and glycerol-engineered polyacrylonitrile carbon nanofibers combine for high-performance lithium-ion capacitors. Journal of Power Sources, 2023, 558, 232624.	4.0	4
3449	Oxygen activity excited thiophene-diketopyrrolopyrrole-based organic molecules as anode for lithium-ion batteries with enhanced interfacial storage capacity and long cycling capability. Chemical Engineering Journal, 2023, 458, 141386.	6.6	4
3450	Constructing graphene conductive networks in manganese vanadate as high-performance cathode for aqueous zinc-ion batteries. Electrochimica Acta, 2023, 441, 141856.	2.6	4
3451	Interlayer doping of pseudocapacitive hydrated vanadium oxide via Mn ²⁺ for high-performance aqueous zinc-ion battery. Electrochimica Acta, 2023, 441, 141810.	2.6	4
3452	Al-doped Nb ₂ O ₅ /carbon micro-particles anodes for high rate lithium-ion batteries. Electrochimica Acta, 2023, 441, 141796.	2.6	2
3453	Low-Spin Fe Redox-Based Prussian Blue with excellent selective dual-band electrochromic modulation and energy-saving applications. Journal of Colloid and Interface Science, 2023, 636, 351-362.	5.0	16
3454	Impact of Post-Synthesis heat treatment avoidance on cobalt carbonate hydroxide as a Battery-Type electrode material. Applied Surface Science, 2023, 615, 156352.	3.1	1
3455	In-situ grown metal-organic framework derived CoS-MXene pseudocapacitive asymmetric supercapacitors. Journal of Energy Storage, 2023, 60, 106537.	3.9	11
3456	S/N-co-doped graphite nanosheets exfoliated via three-roll milling for high-performance sodium/potassium ion batteries. Journal of Materials Science and Technology, 2023, 147, 47-55.	5.6	12
3457	Fabrication of FeP-based composite via N-doping into amorphous carbon and graphene-protecting strategy for lithium-ion batteries. Journal of Solid State Chemistry, 2023, 320, 123831.	1.4	1

#	ARTICLE	IF	CITATIONS
3458	Electrochemical kinetic study and performance evaluation of surface-modified mesoporous sodium carbonophosphates nanostructures for pseudocapacitor applications. <i>Journal of Alloys and Compounds</i> , 2023, 939, 168711.	2.8	6
3459	In Situ Synthesis of MXene with Tunable Morphology by Electrochemical Etching of MAX Phase Prepared in Molten Salt. <i>Advanced Energy Materials</i> , 2023, 13, .	10.2	18
3460	Molybdenum Nitride and Oxide Quantum Dot @ Nitrogen-Doped Graphene Nanocomposite Material for Rechargeable Lithium Ion Batteries. <i>Batteries</i> , 2023, 9, 32.	2.1	0
3461	Co-substitution Strategy for Boosting Rate-Capability of Lithium-Superionic-Conductor (LISICON)-Type Anode Materials in $\text{Li}_3\text{VO}_4\text{-Li}_4\text{GeO}_4\text{-Li}_3\text{PO}_4$ Quasi-Ternary-System. <i>Journal of the Electrochemical Society</i> , 2023, 170, 010524.	1.3	1
3462	Solid-Electrolyte Interphase for Ultra-Stable Aqueous Dual-Ion Storage. <i>Advanced Energy Materials</i> , 2023, 13, .	10.2	3
3463	Carbon-Based Materials for Supercapacitors: Recent Progress, Challenges and Barriers. <i>Batteries</i> , 2023, 9, 19.	2.1	23
3464	Single-Walled Carbon Nanotubes with Red Phosphorus in Lithium-Ion Batteries: Effect of Surface and Encapsulated Phosphorus. <i>Nanomaterials</i> , 2023, 13, 153.	1.9	7
3465	Solvothermal Polymerization and Electrochemical Behavior of Conjugated Polyimide with High Electronic Conductivity and Low Solubility. <i>ChemElectroChem</i> , 0, , .	1.7	0
3466	Rational Design of Electrode Materials for Advanced Supercapacitors: From Lab Research to Commercialization. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	66
3467	Reduced graphene oxide coated modified SnO ₂ forms excellent potassium storage properties. <i>Ceramics International</i> , 2023, 49, 15741-15750.	2.3	5
3468	Interface Engineering Enhances Pseudocapacitive Contribution to Alkali Metal Ion Batteries. <i>ACS Applied Energy Materials</i> , 2023, 6, 1877-1887.	2.5	3
3469	An Ultrafast, High-Loading, and Durable Poly(ϵ -aminoazobenzene)/Reduced Graphene Oxide Composite Electrode for Supercapacitors. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	6
3470	2D Organic Materials: Status and Challenges. <i>Advanced Science</i> , 2023, 10, .	5.6	13
3471	SDF-based conjugated microporous polymers cathode materials with high cycle stability for lithium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2023, 34, .	1.1	0
3472	A bipolar pyridine-functionalized porphyrin with hybrid charge-storage for dual-ion batteries. <i>Chemical Communications</i> , 2023, 59, 2787-2790.	2.2	6
3473	Surface-redox sodium-ion storage in anatase titanium oxide. <i>Nature Communications</i> , 2023, 14, .	5.8	43
3474	Crosslinked Polyimides as Cathodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2023, 6, 1862-1870.	2.5	2
3475	Amorphous Heterostructure Derived from Divalent Manganese Borate for Ultrastable and Ultrafast Aqueous Zinc Ion Storage. <i>Advanced Science</i> , 2023, 10, .	5.6	11

#	ARTICLE	IF	CITATIONS
3476	Carbon encapsulated hybrid Fe-based nanostructure with durable lithium storage. CrystEngComm, 2023, 25, 1599-1607.	1.3	2
3477	Defective TiO ₂ -Supported Dual-Schottky Heterostructure Boosts Fast Reaction Kinetics for High Performance Lithium-Ion Storage. ACS Applied Energy Materials, 2023, 6, 1781-1798.	2.5	9
3478	A binder-driven cathodeâ€“electrolyte interphase <i>via</i> a displacement reaction for high voltage Na ₃ V ₂ (PO ₄) ₂ F ₃ cathodes in sodium-ion batteries. Journal of Materials Chemistry A, 2023, 11, 5540-5547.	5.2	6
3479	Characteristics and current activation phenomenon of reduced graphite oxide membranes by low temperature thermal treatment for sodium ion battery electrodes. Functional Materials Letters, 2023, 16, .	0.7	1
3480	Towards storable and durable Zn-MnO ₂ batteries with hydrous tetraglyme electrolyte. Journal of Energy Chemistry, 2023, 80, 432-441.	7.1	2
3481	Comparison between supercapacitors and other energy storing electrochemical devices. , 2023, , 673-712.		1
3482	Decoupling Accurate Electrochemical Behaviors for Highâ€“Capacity Electrodes via Reviving Threeâ€“Electrode Vehicles. Advanced Energy Materials, 2023, 13, .	10.2	9
3483	Molten Na reduced T-Nb ₂ O ₅ nanorods enable enhanced Na-storage performance. Journal of Physics and Chemistry of Solids, 2023, 176, 111235.	1.9	4
3484	Phytic acid-doped and ammonium hydroxide de-doped polyaniline cathodes for rechargeable aluminum ion battery. Solid State Ionics, 2023, 392, 116166.	1.3	2
3485	Study on colloidal synthesis of ZnS nanospheres embedded in reduced graphene oxide materials for sodium-ion batteries and energy storage mechanism. Journal of Alloys and Compounds, 2023, 943, 169076.	2.8	3
3486	Artificial phosphate solid electrolyte interphase enables stable MnO ₂ cathode for zinc ion batteries. Composites Communications, 2023, 38, 101524.	3.3	6
3487	F-doped TiO ₂ (B)/reduced graphene for enhanced capacitive lithium-ion storage. Journal of Colloid and Interface Science, 2023, 637, 533-540.	5.0	6
3488	Oxygen deficient sea urchin-like Cu-WO ₃ with high capacity and long life for anode of lithium-ion battery. Applied Surface Science, 2023, 618, 156627.	3.1	3
3489	High performance Li-ion battery-type hybrid supercapacitor devices using antimony based composite anode and Ketjen black carbon cathode. Journal of Energy Storage, 2023, 61, 106756.	3.9	8
3490	Framework structured Ce ₂ (C ₂ O ₄) ₃ ·10H ₂ O as a pseudocapacitive electrode of a hybrid (asymmetric) supercapacitor (HSC) for large scale energy storage applications. Physical Chemistry Chemical Physics, 2023, 25, 11429-11441.	1.3	1
3491	Preferential Pyrolysis Construction of Carbon Anodes with 8400â€“h Lifespan for Highâ€“Energyâ€“Density Kâ€“ion Batteries. Angewandte Chemie, 2023, 135, .	1.6	1
3492	Reviewâ€“Rational Design of Nitrogen-doped Graphene as Anode Material for Lithium-ion Batteries. Journal of the Electrochemical Society, 2023, 170, 040525.	1.3	2
3493	Facile synthesis of urchin-like MoNb ₁₂ O ₃₃ microspheres with a superior performance as an anode material for lithium-ion half/full batteries. Journal of Alloys and Compounds, 2023, 941, 168982.	2.8	1

#	ARTICLE	IF	CITATIONS
3494	Synergistic effect of carbon nanotube and tri-metallic MOF nanoarchitecture for electrochemical high-performance asymmetric supercapacitor applications and their charge storage mechanism. <i>Journal of Alloys and Compounds</i> , 2023, 955, 170038.	2.8	15
3495	Mechanically flexible reduced graphene oxide/carbon composite films for high-performance quasi-solid-state lithium-ion capacitors. <i>Journal of Energy Chemistry</i> , 2023, 80, 68-76.	7.1	23
3496	Constructing the bonding between conductive agents and active materials/binders stabilizes silicon anode in Lithium-ion batteries. <i>Journal of Energy Chemistry</i> , 2023, 80, 23-31.	7.1	9
3497	Uniformly confined V ₂ O ₃ quantum dots embedded in biomass derived mesoporous carbon toward fast and stable energy storage. <i>Ceramics International</i> , 2023, 49, 16002-16010.	2.3	3
3498	Synergistic incorporation of Fe and Co into nickel boride/NiCoHydroxide nanosheets to tune voltage plateau and charge storage in supercapacitors. <i>Electrochimica Acta</i> , 2023, 449, 142144.	2.6	6
3499	Multi-hierarchical heterostructure of GO/ NiCo ₂ O ₄ /Co ₃ O ₄ for high power lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2023, 946, 169447.	2.8	3
3500	CuCo ₂ O ₄ nanoplates anchored to multiwall carbon nanotubes as an enhanced supercapacitive performance. <i>Journal of Energy Storage</i> , 2023, 62, 106923.	3.9	9
3501	Crystal structure regulation boosts the conductivity and redox chemistry of T-Nb ₂ O ₅ anode material. <i>Nano Energy</i> , 2023, 110, 108377.	8.2	5
3502	Inorganic multi-color transmissive-type electrochromic electrodes based on Fabry-Perot interferometer for full-solid smart window. <i>Solar Energy Materials and Solar Cells</i> , 2023, 255, 112307.	3.0	2
3503	Ion transport phenomena in electrode materials. <i>Chemical Physics Reviews</i> , 2023, 4, 021302.	2.6	0
3504	Reconstructing fast ion transport channels of Zn ₃ V ₂ O ₇ (OH) ₂ ·2H ₂ O to realize enhanced Zn ²⁺ storage performance. <i>Nano Energy</i> , 2023, 110, 108336.	8.2	9
3505	Synthesis and lithium ion storage performance of novel two dimensional vanadium niobium carbide (VNbCTx) MXene. <i>Composites Communications</i> , 2023, 40, 101588.	3.3	4
3506	Insights into the impact of interlayer spacing on MXene-based electrodes for supercapacitors: A review. <i>Journal of Energy Storage</i> , 2023, 65, 107341.	3.9	11
3507	A porous carbon-based composite PPC@co-NCNT derived from pomelo Peel as a flexible self-supporting electrode for supercapacitors. <i>Diamond and Related Materials</i> , 2023, 135, 109892.	1.8	1
3508	Self-assembly of symmetric tetramethylcucurbit[6]uril with phosphomolybdic acid: A stable anode material with lithium-storage properties. <i>Materials Chemistry and Physics</i> , 2023, 302, 127711.	2.0	1
3509	Design of 2D/2D heterostructure by coupling cobalt hydroxides with Mxene on nickel foam for high energy density supercapacitors. <i>Journal of Alloys and Compounds</i> , 2023, 948, 169809.	2.8	4
3510	A new carbon allotrope: Biphenylene as promising anode materials for Li-ion and Li O ₂ batteries. <i>Solid State Ionics</i> , 2023, 395, 116214.	1.3	3
3511	A design of MnO-CNT@C ₃ N ₄ cathodes for high-performance aqueous zinc-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2023, 642, 340-350.	5.0	10

#	ARTICLE	IF	CITATIONS
3512	Photo-Initiated in situ synthesis of polypyrrole Fe-Coated porous silicon microspheres for High-performance Lithium-ion battery anodes. <i>Chemical Engineering Journal</i> , 2023, 459, 141543.	6.6	18
3513	Biomass-derived carbon coated SiO ₂ nanotubes as superior anode for lithium-ion batteries. <i>Carbon</i> , 2023, 205, 510-518.	5.4	41
3514	Ultrasml CoS nanoparticles embedded in heteroatom-doped carbon for sodium-ion batteries and mechanism explorations via synchrotron X-ray techniques. <i>Journal of Energy Chemistry</i> , 2023, 79, 373-381.	7.1	16
3515	Photo-enhanced lithium-ion batteries using metal-organic frameworks. <i>Nanoscale</i> , 2023, 15, 4000-4005.	2.8	3
3516	Grid-like Fe ₃ O ₄ nanocrystals enhance the performances of glass-ceramic anodes for lithium-ion batteries. <i>Journal of Non-Crystalline Solids</i> , 2023, 605, 122157.	1.5	5
3517	Electrostatic Interfacial Cross-Linking and Structurally Oriented Fiber Constructed by Surface-Modified 2D MXene for High-Performance Flexible Pseudocapacitive Storage. <i>ACS Nano</i> , 2023, 17, 2487-2496.	7.3	35
3518	Ultrafast Charge-Discharge Capable and Long-Life Na _{3.9} Mn _{0.95} Zr _{0.05} V(PO ₄) ₃ /C Cathode Material for Advanced Sodium-Ion Batteries. <i>Small</i> , 2023, 19, .	5.2	8
3519	Modelling and experimental investigation of Nb ₂ O ₅ as a high-rate battery anode material. <i>Electrochimica Acta</i> , 2023, 443, 141983.	2.6	1
3520	Evolution of Stabilized 1T-MoS ₂ by Atomic-Interface Engineering of 2H-MoS ₂ /Fe ^x N towards Enhanced Sodium Ion Storage. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	19
3521	Manganese Local Environment Modulation via SiO ₄ Substitution to Boost Sodium Storage Performance of Na ₄ MnCr(PO ₄) ₃ . <i>Small</i> , 2023, 19, .	5.2	8
3522	Evolution of Stabilized 1T-MoS ₂ by Atomic-Interface Engineering of 2H-MoS ₂ /Fe ^x N towards Enhanced Sodium Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	28
3523	Hexa-indium Heptasulfide/Nitrogen and Sulfur Co-Doped Carbon Hollow Microspindles with Ultrahigh-Rate Sodium Storage through Stable Conversion and Alloying Reactions. <i>Advanced Materials</i> , 2023, 35, .	11.1	21
3524	Carbon anode of intercalation capacitive coupling mechanism enabling long term potassium ion capacitors at low temperature. <i>Journal of Electroanalytical Chemistry</i> , 2023, 932, 117241.	1.9	0
3525	Dielectric-electrolyte supercapacitors. <i>Cell Reports Physical Science</i> , 2023, 4, 101284.	2.8	2
3526	High Mass Loading of Flowerlike Ni-MoS ₂ Microspheres toward Efficient Intercalation Pseudocapacitive Electrodes. <i>ACS Applied Energy Materials</i> , 2023, 6, 2187-2198.	2.5	5
3527	Cyclen-linked benzoquinone based carbonyl network polymer for high-performance lithium organic battery. <i>Journal of Electroanalytical Chemistry</i> , 2023, 932, 117251.	1.9	0
3528	Lamellar Carbon Compositated Cobalt Iron Silicate with a Two-Dimensional Structure Toward Enhanced Electrochemical Properties for Supercapacitors. <i>ACS Applied Energy Materials</i> , 2023, 6, 2207-2218.	2.5	5
3529	Densely Packed Fiber Electrodes Composed of Liquid Crystalline MXenes for High-Areal-Density Supercapacitors. <i>Energy Technology</i> , 2023, 11, .	1.8	4

#	ARTICLE	IF	CITATIONS
3530	Intercalation Pseudocapacitance of Cation-Exchanged Molybdenum-Based Polyoxometalate for the Fast and Stable Zinc-Ion Storage. ACS Applied Materials & Interfaces, 2023, 15, 9350-9361.	4.0	4
3531	Intrinsic facet-dependent electrochemical activities of BiOBr nanosheets for Br ⁻ exchange in electrochemically switched ion exchange process. Chemical Engineering Journal, 2023, 460, 141798.	6.6	8
3532	Combustion-Synthesized KNiPO ₄ : A Non-toxic, Robust, Intercalating Battery-Type Pseudocapacitive Electrode for Hybrid Supercapacitors as a Large-Scale Energy Storage Solution. Energy & Fuels, 2023, 37, 4094-4105.	2.5	4
3533	Electrode Materials of Cobaltous Fluoride for Supercapacitor and Electrocatalysis Applications. Chemistry - an Asian Journal, 2023, 18, .	1.7	3
3534	Charge Storage Mechanism of Li _x WO ₃ Hexagonal Tungsten Bronze in Aqueous Electrolytes. Batteries, 2023, 9, 136.	2.1	1
3535	Ethanol-Induced Ni ²⁺ -Intercalated Cobalt Organic Frameworks on Vanadium Pentoxide for Synergistically Enhancing the Performance of 3D-Printed Micro-Supercapacitors. Advanced Materials, 2023, 35, .	11.1	38
3536	Recent Progress of Graphene Fiber/Fabric Supercapacitors: From Building Block Architecture, Fiber Assembly, and Fabric Construction to Wearable Applications. Advanced Fiber Materials, 2023, 5, 896-927.	7.9	22
3537	A Safer High-Energy Lithium-Ion Capacitor Using Fast-Charging and Stable Li ₃ V ₂ O ₅ Anode. Small Methods, 2023, 7, .	4.6	2
3538	Sustainable Regeneration of Spent Graphite as a Cathode Material for a High-Performance Dual-Ion Battery. ACS Sustainable Chemistry and Engineering, 2023, 11, 4308-4316.	3.2	10
3539	A Ru-Doped VTi ₂ .6O ₇ .2 Anode with High Conductivity for Enhanced Sodium Storage. Coatings, 2023, 13, 490.	1.2	0
3540	Carbon-Coated CuNb ₁₃ O ₃₃ as A New Anode Material for Lithium Storage. Materials, 2023, 16, 1818.	1.3	1
3541	One-dimensional nanostructured electrode materials based on electrospinning technology for supercapacitors. Diamond and Related Materials, 2023, 134, 109803.	1.8	10
3542	Electrochemical Characterization of Charge Storage at Anodes for Sodium-Ion Batteries Based on Corn Cob Waste-Derived Hard Carbon and Binder. ChemElectroChem, 2023, 10, .	1.7	3
3543	Fast-charging cathode materials for lithium & sodium ion batteries. Materials Today, 2023, 63, 360-379.	8.3	44
3544	Preferential Pyrolysis Construction of Carbon Anodes with 8400-h Lifespan for High-Energy-Density K ⁺ Ion Batteries. Angewandte Chemie - International Edition, 2023, 62, .	7.2	24
3545	Rational Design of Layered MnO ₂ @Graphene with Hierarchical Structure for Flexible Quasi-solid-State Aqueous Zinc-Ion Battery via Laser Activation. Advanced Materials Technologies, 2023, 8, .	3.0	6
3546	A rechargeable aqueous phenazine-Prussian blue proton battery with long cycle life. Journal of Materials Chemistry A, 2023, 11, 7152-7158.	5.2	7
3547	Advances on Microsupercapacitors: Real Fast Miniaturized Devices toward Technological Dreams for Powering Embedded Electronics?. ACS Omega, 2023, 8, 8977-8990.	1.6	6

#	ARTICLE	IF	CITATIONS
3548	Effect of Mo-Doped Strontium Cobaltite on Graphene Nanosheets for Creating a Superior Electrode in Supercapacitor Applications. <i>ECS Journal of Solid State Science and Technology</i> , 2023, 12, 031006.	0.9	5
3549	Facile synthesis of nitrogen-doped graphene, and its advanced electrochemical activity toward efficient lithium ion storage. <i>Functional Materials Letters</i> , 0, , .	0.7	0
3550	Ta ₄ C ₃ -Modulated MOF-Derived 3D Crosslinking Network of VO ₂ (B)@Ta ₄ C ₃ for High-Performance Aqueous Zinc Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 13554-13564.	4.0	8
3551	Facile fabrication of TiO ₂ /ZnO composite film anode by plasma electrolysis. <i>Surface Engineering</i> , 2022, 38, 957-967.	1.1	0
3552	A micro/nano-multiscale hierarchical structure strategy to fabricate highly conducting films for electromagnetic interference shielding and energy storage. <i>Journal of Materials Chemistry A</i> , 2023, 11, 8656-8669.	5.2	18
3553	Research Progress of Cathode Materials for Rechargeable Aluminum Batteries in AlCl ₃ /[EMIm]Cl and Other Electrolyte Systems. <i>ChemistrySelect</i> , 2023, 8, .	0.7	5
3554	Largely Pseudocapacitive Two-Dimensional Conjugated Metal-Organic Framework Anodes with Lowest Unoccupied Molecular Orbital Localized in Nickel-bis(dithiolene) Linkages. <i>Journal of the American Chemical Society</i> , 2023, 145, 6247-6256.	6.6	14
3555	A hollow urchin-like metal-organic framework with Ni-O-cluster SBUs as a promising electrode for an alkaline battery-supercapacitor device. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 2380-2386.	3.0	2
3556	A Composite of Nb ₂ O ₅ and MoO ₂ as a High-Capacity High-Rate Anode Material for Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , 0, , .	2.4	1
3557	A New Candidate in Polyanionic Compounds for Potassium Ion Battery Anode: MXene Derived Carbon Coated Ti ₂ O(PO ₄) ₂ . <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	9
3558	One-Dimensional Covalent Organic Framework as High-Performance Cathode Materials for Lithium-Ion Batteries. <i>Small</i> , 2023, 19, .	5.2	18
3559	Heterogeneous intercalated metal-organic framework active materials for fast-charging non-aqueous Li-ion capacitors. <i>Nature Communications</i> , 2023, 14, .	5.8	8
3560	Cyclically formed dual mechanical/functional interface stabilizing silicon with enhanced lithium complementary effect. <i>Journal of Electroanalytical Chemistry</i> , 2023, 935, 117356.	1.9	3
3561	Tuning coordination environment of iron ions to ensure ultra-high pseudocapacitive capability in iron oxide. <i>Nano Research</i> , 0, , .	5.8	0
3562	A Biocompatible Supercapacitor Diode with Enhanced Rectification Capability toward Ion/Electron-Coupling Logic Operations. <i>Advanced Materials</i> , 2023, 35, .	11.1	8
3563	Pseudohexagonal Nb ₂ O ₅ Anodes for Fast-Charging Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 16664-16672.	4.0	8
3564	Revealing the evolution of doping anions and their impact on K-ion storage: A case study of Se-doped In ₂ S ₃ . <i>Energy Storage Materials</i> , 2023, 58, 165-175.	9.5	9
3565	Metal-organic frameworks for fast electrochemical energy storage: Mechanisms and opportunities. <i>CheM</i> , 2023, 9, 798-822.	5.8	11

#	ARTICLE	IF	CITATIONS
3566	AgBTC MOF-Mediated Approach to Synthesize Silver Nanoparticles Decorated on Reduced Graphene Oxide (rGO@Ag) for Energy Storage Applications. ACS Applied Energy Materials, 2023, 6, 9159-9169.	2.5	6
3567	Multifunctional Electrochromic Devices for Energy Applications. ACS Energy Letters, 2023, 8, 1870-1886.	8.8	38
3568	Understanding Pseudocapacitance Mechanisms by Synchrotron X-ray Analytical Techniques. Energy and Environmental Materials, 2023, 6, .	7.3	5
3569	3D reduced graphene oxide wrapped MoS ₂ @Sb ₂ S ₃ heterostructures for high performance sodium-ion batteries. Applied Surface Science, 2023, 624, 157106.	3.1	5
3570	Enlarged Interlayer Spacing of Marigold-Shaped 1T-MoS ₂ with Sulfur Vacancies via Oxygen-Assisted Phosphorus Embedding for Rechargeable Zinc-Ion Batteries. Nanomaterials, 2023, 13, 1185.	1.9	1
3571	Improving the Reaction Kinetics by Annealing MoS ₂ /PVP Nanoflowers for Sodium-Ion Storage. Molecules, 2023, 28, 2948.	1.7	1
3572	Cu ₃ (OH) ₂ V ₂ O ₇ ·2H ₂ O@rGO with bimetallic redox activity as a novel cathode material for calcium-ion batteries. New Journal of Chemistry, 2023, 47, 8326-8333.	1.4	3
3573	Conjugated supercapacitor with suppressed self-discharge constructed by pairs of prelithiated Nb ₂ O ₅ @C with optimized elemental and phase purity in the carbon shell. , 2023, 2, 300-309.		3
3574	Fast Kinetic Carbon Anode Inherited and Developed from Architectural Designed Porous Aromatic Framework for Flexible Lithium Ion Micro Capacitors. Advanced Functional Materials, 2023, 33, .	7.8	7
3575	Halogen chlorine triggered oxygen vacancy-rich Ni(OH) ₂ with enhanced reaction kinetics for pseudocapacitive energy storage. Journal of Energy Chemistry, 2023, 82, 296-306.	7.1	6
3576	Engineering Multifunctionality in MoSe ₂ Nanostructures Via Strategic Mn Doping for Electrochemical Energy Storage and Photosensing. ACS Applied Nano Materials, 2023, 6, 5479-5492.	2.4	4
3577	Calcium-ion thermal charging cell for advanced energy conversion and storage. Energy Storage Materials, 2023, 58, 353-361.	9.5	1
3578	Development of rechargeable high-energy hybrid zinc-iodine aqueous batteries exploiting reversible chlorine-based redox reaction. Nature Communications, 2023, 14, .	5.8	31
3579	Chlorinated Narrow Bandgap Polymer Suppresses Non-radiative Recombination Energy Loss Enabling Perylene Diimides-Based Organic Solar Cells Exceeding 10% Efficiency. Small, 2023, 19, .	5.2	5
3580	An effective cellulose triacetate interlayer to construct a dendrite-free zinc anode for advanced aqueous zinc-ion batteries. Journal of Industrial and Engineering Chemistry, 2023, 124, 157-164.	2.9	3
3581	High-rate sodium-ion storage of vanadium nitride via surface redox pseudocapacitance. , 2023, 2, 434-442.		14
3582	Hexagonal Tungsten Bronze H _{0.25} Cs _{0.25} Nb _{2.5} W _{2.5} O ₁₄ as a Negative Electrode Material for Li-Ion Batteries. Chemistry of Materials, 0, .	3.2	0
3583	Molecular Engineering of Hierarchical Conducting Polymer Composites for Highly Stable Supercapacitors. Nano Letters, 2023, 23, 3317-3325.	4.5	13

#	ARTICLE	IF	CITATIONS
3584	Artificial intelligence-navigated development of high-performance electrochemical energy storage systems through feature engineering of multiple descriptor families of materials. <i>Energy Advances</i> , 2023, 2, 615-645.	1.4	3
3585	In-Situ Formation of NiFe-MOF on Nickel Foam as a Self-Supporting Electrode for Flexible Electrochemical Sensing and Energy Conversion. <i>Chemosensors</i> , 2023, 11, 242.	1.8	2
3586	Progress in photocapacitors: A review. <i>Functional Materials Letters</i> , 2023, 16, .	0.7	1
3587	High-rate, high-capacity electrochemical energy storage in hydrogen-bonded fused aromatics. <i>Joule</i> , 2023, 7, 986-1002.	11.7	8
3588	Überwinden von Diffusionslimitierungen Faradayscher Reaktionen: Eigenschafts-Wirkungsbeziehungen der 2D-leitfähigen metallorganischen Gerüstverbindung Cu ₃ (HHTP) ₂ für die reversible Lithium-Ionen-Speicherung. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	2
3589	Overcoming Diffusion Limitation of Faradaic Processes: Property-Performance Relationships of 2D Conductive Metal-Organic Framework Cu ₃ (HHTP) ₂ for Reversible Lithium-Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	10
3590	High Strain-rate Driven Nano-tubular Architecture in NiMn Alloy for Supercapacitor Electrodes. <i>Chemical Engineering Journal</i> , 2023, , 143008.	6.6	0
3591	Efficient symmetric supercapacitors employing molecular engineered pyrazine functionalized perylene diimide electrode materials. <i>Chemical Engineering Journal Advances</i> , 2023, 14, 100499.	2.4	3
3592	Sodium Stoichiometry Tuning of the Biphasic Na _x MnO ₂ Cathode for High-Performance Sodium-Ion Batteries. <i>Small</i> , 2023, 19, .	5.2	5
3593	SYNTHESIS AND INVESTIGATION OF ELECTROCHEMICAL CHARACTERISTICS OF OXIDE LI-CONDUCTIVE MATERIALS WITH SPINEL AND PEROSKITE STRUCTURES. <i>Ukrainian Chemistry Journal</i> , 2023, 89, 3-17.	0.1	0
3594	High-Power and Ultrastable Aqueous Calcium-Ion Batteries Enabled by Small Organic Molecular Crystal Anodes. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	10
3595	Optimized Pinecone-Squama-Structure MoS ₂ -Coated CNT and Graphene Framework as Binder-Free Anode for Li-Ion Battery with High Capacity and Cycling Stability. <i>Materials</i> , 2023, 16, 3218.	1.3	2
3596	Effect of particle microstructure and the role of proton on the lithium insertion properties of HTiNbO ₅ electrode material. <i>Electrochimica Acta</i> , 2023, , 142432.	2.6	0
3597	Proposal of a novel methodology for the electrochemical characterization of well-behaved redox-active materials used in supercapacitors. <i>Electrochimica Acta</i> , 2023, 457, 142458.	2.6	5
3598	V ₂ O ₃ @C Microspheres as the High-Performance Cathode Materials for Advanced Aqueous Zinc-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 20876-20884.	4.0	4
3599	A hydrogel-assisting surface-confined corrosion strategy toward self-supported amorphous NiFe-layered double hydroxides enabling high-performance hybrid solid-state supercapacitors. <i>Journal of Energy Storage</i> , 2023, 66, 107473.	3.9	2
3600	Octahedral/Tetrahedral Vacancies in Fe ₃ O ₄ as Storage Sites: A Case of Anti-Spinel Structure Material Serving as High-Performance Anodes for PIBs. <i>Small</i> , 2023, 19, .	5.2	4
3601	An Ultrahigh-Mass-Loading Integrated Free-Standing Functional All-Carbon Positive Electrode Prepared using an Architecture Tailoring Strategy for High-Energy-Density Dual-Ion Batteries. <i>Advanced Materials</i> , 2023, 35, .	11.1	30

#	ARTICLE	IF	CITATIONS
3602	Self-assembled nanostructures of PDI-bolaamphiphiles as anode materials for advanced rechargeable Na-ion batteries. <i>Energy Storage Materials</i> , 2023, 59, 102786.	9.5	3
3610	Deterministic Effect of the Solid-State Diffusion Energy Barrier for a Charge Carrier on the Self-Discharge of Supercapacitors. <i>ACS Energy Letters</i> , 2023, 8, 2376-2384.	8.8	10
3621	Organic materials as charge hosts for pseudocapacitive energy storage. <i>Sustainable Energy and Fuels</i> , 2023, 7, 2802-2818.	2.5	1
3696	A new class of pseudocapacitive electrode materials for electrochemical energy storage in rechargeable batteries. , 2023, , 181-224.		0
3726	An ultrahigh mass-loading integrated high coulombic efficiency Siâ€“graphite electrode for high-energy-density lithium ion batteries. <i>Sustainable Energy and Fuels</i> , 0, , .	2.5	0
3768	Recent status, key strategies and challenging perspectives of fast-charging graphite anodes for lithium-ion batteries. <i>Energy and Environmental Science</i> , 2023, 16, 4834-4871.	15.6	14
3846	Potassium ion pre-intercalated MnO ₂ for aqueous multivalent ion batteries. <i>Frontiers of Optoelectronics</i> , 2023, 16, .	1.9	0
3850	FeNbO ₄ nanochains with a five-electron transfer reaction toward high capacity and fast Li storage. <i>Chemical Communications</i> , 2023, 59, 14313-14316.	2.2	0
3875	Pseudocapacitance: Fundamentals to Advanced Applications. <i>Engineering Materials</i> , 2024, , 19-37.	0.3	0
3911	Pseudocapacitance: Mechanism and Characteristics. <i>Engineering Materials</i> , 2024, , 39-56.	0.3	0
3930	Electrochemical supercapacitors: an overview on analysis and modeling. , 2024, , 255-282.		0
3938	Electrochemical behavior of electrode materials. , 2024, , 71-119.		0
3942	Solid-state polymer electrolytes in lithium batteries: latest progress and perspective. <i>Polymer Chemistry</i> , 2024, 15, 473-499.	1.9	0
3988	Nanocomposites of Carbon for Supercapacitors. <i>Engineering Materials</i> , 2024, , 301-320.	0.3	0