

Yitai Qian

List of Publications by Year in descending order

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422
papers

28,017
citations

2802

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426
times ranked

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#	ARTICLE	IF	CITATIONS
1	MoSe ₂ -Covered N,P-Doped Carbon Nanosheets as a Long-Life and High-Rate Anode Material for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1700522.	14.9	454
2	Flexible and Free-Standing Ti ₃ C ₂ T _x MXene@Zn Paper for Dendrite-Free Aqueous Zinc Metal Batteries and Nonaqueous Lithium Metal Batteries. <i>ACS Nano</i> , 2019, 13, 11676-11685.	14.6	420
3	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.	21.0	412
4	Deciphering the Modulation Essence of p Bands in Co-Based Compounds on Li-S Chemistry. <i>Joule</i> , 2018, 2, 2681-2693.	24.0	406
5	Unusual Formation of ZnCo ₂ O ₄ 3D Hierarchical Twin Microspheres as a High-Rate and Ultralong-Life Lithium-Ion Battery Anode Material. <i>Advanced Functional Materials</i> , 2014, 24, 3012-3020.	14.9	382
6	Embedding MnO@Mn ₃ O ₄ Nanoparticles in an N-Doped Carbon Framework Derived from Mn-Organic Clusters for Efficient Lithium Storage. <i>Advanced Materials</i> , 2018, 30, 1704244.	21.0	374
7	One-pot hydrothermal synthesis of Nitrogen-doped graphene as high-performance anode materials for lithium ion batteries. <i>Scientific Reports</i> , 2016, 6, 26146.	3.3	342
8	Tuning orbital orientation endows molybdenum disulfide with exceptional alkaline hydrogen evolution capability. <i>Nature Communications</i> , 2019, 10, 1217.	12.8	322
9	Surfactant widens the electrochemical window of an aqueous electrolyte for better rechargeable aqueous sodium/zinc battery. <i>Journal of Materials Chemistry A</i> , 2017, 5, 730-738.	10.3	287
10	Green, Scalable, and Controllable Fabrication of Nanoporous Silicon from Commercial Alloy Precursors for High-Energy Lithium-Ion Batteries. <i>ACS Nano</i> , 2018, 12, 4993-5002.	14.6	269
11	Direct Synthesis of Few-Layer F-Doped Graphene Foam and Its Lithium/Potassium Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20682-20690.	8.0	263
12	Ultra-long-life and highly reversible Zn metal anodes enabled by a desolvation and deanionization interface layer. <i>Energy and Environmental Science</i> , 2021, 14, 3120-3129.	30.8	250
13	One-Dimensional Arrays of Co ₃ O ₄ Nanoparticles: Synthesis, Characterization, and Optical and Electrochemical Properties. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16401-16404.	2.6	249
14	Hierarchical Porous Nanosheets Constructed by Graphene-Coated, Interconnected TiO ₂ Nanoparticles for Ultrafast Sodium Storage. <i>Advanced Materials</i> , 2018, 30, 1705788.	21.0	247
15	One-step hydrothermal synthesis of ZnFe ₂ O ₄ nano-octahedrons as a high capacity anode material for Li-ion batteries. <i>Nano Research</i> , 2012, 5, 477-485.	10.4	241
16	Micron-Sized Nanoporous Antimony with Tunable Porosity for High-Performance Potassium-Ion Batteries. <i>ACS Nano</i> , 2018, 12, 12932-12940.	14.6	223
17	Vacuum distillation derived 3D porous current collector for stable lithium-metal batteries. <i>Nano Energy</i> , 2018, 47, 503-511.	16.0	221
18	General synthesis of hollow MnO ₂ , Mn ₃ O ₄ and MnO nanospheres as superior anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17421-17426.	10.3	213

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19	Wet-Chemical Synthesis of Hollow Red Phosphorus Nanospheres with Porous Shells as Anodes for High-Performance Lithium-Ion and Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1700214.	21.0	213
20	N-induced lattice contraction generally boosts the hydrogen evolution catalysis of P-rich metal phosphides. <i>Science Advances</i> , 2020, 6, eaaw8113.	10.3	211
21	Conductive Nanocrystalline Niobium Carbide as High-Efficiency Polysulfides Tamer for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1704865.	14.9	210
22	Boosting Zinc-Ion Storage Capability by Effectively Suppressing Vanadium Dissolution Based on Robust Layered Barium Vanadate. <i>Nano Letters</i> , 2020, 20, 2899-2906.	9.1	208
23	Few layer nitrogen-doped graphene with highly reversible potassium storage. <i>Energy Storage Materials</i> , 2018, 11, 38-46.	18.0	206
24	Synthesis of closed PbS nanowires with regular geometric morphologies Electronic supplementary information (ESI) available: XRD pattern of the PbS CNWs, FTIR spectrum of the polymer, TEM images of more PbS CNWs. See http://www.rsc.org/suppdata/jm/b1/b111187f/ . <i>Journal of Materials Chemistry</i> , 2002, 12, 403-405.	6.7	205
25	In Situ Revealing the Electroactivity of $\text{P}i\text{C}_2\text{O}$ and $\text{P}i\text{C}_2\text{C}$ Bonds in Hard Carbon for High-Capacity and Long-Life Li/K-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901676.	19.5	202
26	A low temperature molten salt process for aluminothermic reduction of silicon oxides to crystalline Si for Li-ion batteries. <i>Energy and Environmental Science</i> , 2015, 8, 3187-3191.	30.8	193
27	Synthesis of rod-, twinrod-, and tetrapod-shaped CdS nanocrystals using a highly oriented solvothermal recrystallization technique. <i>Journal of Materials Chemistry</i> , 2002, 12, 748-753.	6.7	192
28	Coaxial MnO/N-doped carbon nanorods for advanced lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1037-1041.	10.3	192
29	Synthesis of MoS_2 @C Nanotubes Via the Kirkendall Effect with Enhanced Electrochemical Performance for Lithium Ion and Sodium Ion Batteries. <i>Small</i> , 2016, 12, 2484-2491.	10.0	192
30	In-situ rooting ZnSe/N-doped hollow carbon architectures as high-rate and long-life anode materials for half/full sodium-ion and potassium-ion batteries. <i>Energy Storage Materials</i> , 2019, 23, 35-45.	18.0	189
31	Study of the Raman spectrum of nanometer SnO_2 . <i>Journal of Applied Physics</i> , 1994, 75, 1835-1836.	2.5	183
32	Controlled Growth of Porous Fe_2O_3 Branches on MnO_2 Nanorods for Excellent Performance in Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2013, 23, 4049-4056.	14.9	181
33	An aqueous rechargeable sodium ion battery based on a NaMnO_2 - $\text{NaTi}_2(\text{PO}_4)_3$ hybrid system for stationary energy storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1400-1404.	10.3	179
34	Sandwich-like Ni ₂ P nanoarray/nitrogen-doped graphene nanoarchitecture as a high-performance anode for sodium and lithium ion batteries. <i>Energy Storage Materials</i> , 2018, 15, 234-241.	18.0	179
35	Hierarchical Carbon Nanotubes with a Thick Microporous Wall and Inner Channel as Efficient Scaffolds for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 1571-1579.	14.9	177
36	Sole Chemical Confinement of Polysulfides on Nonporous Nitrogen/Oxygen Dual-Doped Carbon at the Kilogram Scale for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1604265.	14.9	173

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37	Boosting Water Dissociation Kinetics on Pt@Ni Nanowires by N-Induced Orbital Tuning. <i>Advanced Materials</i> , 2019, 31, e1807780.	21.0	167
38	Rational Design of Sulfur-Doped Three-Dimensional Ti ₃ C ₂ T _x MXene/ZnS Heterostructure as Multifunctional Protective Layer for Dendrite-Free Zinc-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 15259-15273.	14.6	167
39	Amorphous S-rich S _{1-x} Se _x /C (x ≈ 0.1) composites promise better lithium-sulfur batteries in a carbonate-based electrolyte. <i>Energy and Environmental Science</i> , 2015, 8, 3181-3186.	30.8	164
40	A general method for constructing robust, flexible and freestanding MXene@metal anodes for high-performance potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9716-9725.	10.3	162
41	Stable Aqueous Anode-Free Zinc Batteries Enabled by Interfacial Engineering. <i>Advanced Functional Materials</i> , 2021, 31, 2101886.	14.9	162
42	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.	14.9	159
43	Preparation of Nanocrystalline Silicon from SiCl ₄ at 200 °C in Molten Salt for High-Performance Anodes for Lithium Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3822-3825.	13.8	154
44	Simple synthesis of yolk-shelled ZnCo ₂ O ₄ microspheres towards enhancing the electrochemical performance of lithium-ion batteries in conjunction with a sodium carboxymethyl cellulose binder. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15292.	10.3	151
45	Solution-Phase Synthesis of Single-Crystal CuO Nanoribbons and Nanorings. <i>Crystal Growth and Design</i> , 2007, 7, 930-934.	3.0	150
46	Metastable MnS Crystallites through Solvothermal Synthesis. <i>Chemistry of Materials</i> , 2001, 13, 2169-2172.	6.7	146
47	Manipulating the Redox Kinetics of Li-S Chemistry by Tellurium Doping for Improved Li-S Batteries. <i>ACS Energy Letters</i> , 2018, 3, 420-427.	17.4	146
48	Reversible zinc-based anodes enabled by zincophilic antimony engineered MXene for stable and dendrite-free aqueous zinc batteries. <i>Energy Storage Materials</i> , 2021, 41, 343-353.	18.0	145
49	Scalable and Physical Synthesis of 2D Silicon from Bulk Layered Alloy for Lithium-Ion Batteries and Lithium Metal Batteries. <i>ACS Nano</i> , 2019, 13, 13690-13701.	14.6	143
50	Synthesis of S/CoS ₂ Nanoparticles-Embedded N-doped Carbon Polyhedrons from Polyhedrons ZIF-67 and their Properties in Lithium-Sulfur Batteries. <i>Electrochimica Acta</i> , 2016, 218, 243-251.	5.2	141
51	Spinel Mn _{1.5} Co _{1.5} O ₄ core-shell microspheres as Li-ion battery anode materials with a long cycle life and high capacity. <i>Journal of Materials Chemistry</i> , 2012, 22, 23254.	6.7	140
52	In Situ Li ₃ PS ₄ Solid-State Electrolyte Protection Layers for Superior Long-Life and High-Rate Lithium-Metal Anodes. <i>Advanced Materials</i> , 2018, 30, e1804684.	21.0	140
53	Recent Advances of Emerging 2D MXene for Stable and Dendrite-Free Metal Anodes. <i>Advanced Functional Materials</i> , 2020, 30, 2004613.	14.9	140
54	Scalable and Controllable Synthesis of Interface-Engineered Nanoporous Host for Dendrite-Free and High Rate Zinc Metal Batteries. <i>ACS Nano</i> , 2021, 15, 11828-11842.	14.6	140

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55	Mesoporous NiO ultrathin nanowire networks topotactically transformed from $\text{Ni}(\text{OH})_2$ hierarchical microspheres and their superior electrochemical capacitance properties and excellent capability for water treatment. <i>Journal of Materials Chemistry</i> , 2012, 22, 14276.	6.7	139
56	Double-Shelled NiFeP/N -Doped Carbon Nanobox Derived from a Prussian Blue Analogue as an Electrode Material for K-Ion Batteries and LiS Batteries. <i>ACS Energy Letters</i> , 2019, 4, 1496-1504.	17.4	138
57	Synthesis, Characterization, and Growth Mechanism of Tellurium Nanotubes. <i>Crystal Growth and Design</i> , 2005, 5, 325-328.	3.0	137
58	High-Yield Synthesis of NiO Nanoplatelets and Their Excellent Electrochemical Performance. <i>Crystal Growth and Design</i> , 2006, 6, 2163-2165.	3.0	132
59	Nanoporous germanium as high-capacity lithium-ion battery anode. <i>Nano Energy</i> , 2015, 13, 651-657.	16.0	131
60	Lithium-Assisted Synthesis and Characterization of Crystalline $3\text{C}\sqrt{3}\text{SiC}$ Nanobelts. <i>Journal of Physical Chemistry B</i> , 2004, 108, 20102-20104.	2.6	130
61	Self-Standing Hierarchical P/CNTs@rGO with Unprecedented Capacity and Stability for Lithium and Sodium Storage. <i>CheM</i> , 2018, 4, 372-385.	11.7	128
62	Rechargeable aqueous hybrid ion batteries: developments and prospects. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18708-18734.	10.3	128
63	$\text{NiS}_{1.03}$ Hollow Spheres and Cages as Superhigh Rate Capacity and Stable Anode Materials for Half/Full Sodium-Ion Batteries. <i>ACS Nano</i> , 2018, 12, 8277-8287.	14.6	127
64	Preparation of Sb nanoparticles in molten salt and their potassium storage performance and mechanism. <i>Nanoscale</i> , 2018, 10, 13236-13241.	5.6	125
65	Mesoporous NiO with various hierarchical nanostructures by quasi-nanotubes/nanowires/nanorodself-assembly: controllable preparation and application in supercapacitors. <i>CrystEngComm</i> , 2011, 13, 626-632.	2.6	121
66	A Deep Reduction and Partial Oxidation Strategy for Fabrication of Mesoporous Si Anode for Lithium Ion Batteries. <i>ACS Nano</i> , 2016, 10, 2295-2304.	14.6	121
67	Layered $(\text{NH}_4)_2\text{V}_6\text{O}_{16} \cdot 1.5\text{H}_2\text{O}$ nanobelts as a high-performance cathode for aqueous zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19130-19139.	10.3	121
68	A Reduction-Pyrolysis-Catalysis Synthesis of Diamond. , 1998, 281, 246-247.		117
69	CdS Hierarchical Nanostructures with Tunable Morphologies: Preparation and Photocatalytic Properties. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14029-14035.	3.1	117
70	A New Salt-Baked Approach for Confining Selenium in Metal Complex-Derived Porous Carbon with Superior Lithium Storage Properties. <i>Advanced Functional Materials</i> , 2015, 25, 5229-5238.	14.9	117
71	Hydrothermal Synthesis of Unique Hollow Hexagonal Prismatic Pencils of $\text{Co}_3\text{V}_2\text{O}_8 \cdot n\text{H}_2\text{O}$: A New Anode Material for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10787-10791.	13.8	115
72	$\text{NaTi}_2(\text{PO}_4)_3$ Solid-State Electrolyte Protection Layer on Zn Metal Anode for Superior Long-Life Aqueous Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2004885.	14.9	115

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73	Heteroatom-doped 3D porous carbon architectures for highly stable aqueous zinc metal batteries and non-aqueous lithium metal batteries. <i>Chemical Engineering Journal</i> , 2020, 400, 125843.	12.7	115
74	Synthesis of MnO@C core-shell nanoplates with controllable shell thickness and their electrochemical performance for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 17864.	6.7	114
75	Facile synthesis of mesoporous Mn ₃ O ₄ nanotubes and their excellent performance for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10985.	10.3	114
76	The Dual-Play of 3D Conductive Scaffold Embedded with Co, N Codoped Hollow Polyhedra toward High-Performance Li-S Full Cell. <i>Advanced Energy Materials</i> , 2018, 8, 1802561.	19.5	114
77	A flexible micro/nanostructured Si microsphere cross-linked by highly-elastic carbon nanotubes toward enhanced lithium ion battery anodes. <i>Energy Storage Materials</i> , 2019, 17, 93-100.	18.0	113
78	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.	10.3	112
79	Rational fabrication of CoS ₂ /Co ₄ S ₃ @N-doped carbon microspheres as excellent cycling performance anode for half/full sodium ion batteries. <i>Energy Storage Materials</i> , 2020, 25, 679-686.	18.0	111
80	Recent Advances and Perspectives of Zn-Metal Free Rocking-Chair-Type Zn-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2002529.	19.5	111
81	A Hydrothermal Reduction Route to Single-Crystalline Hexagonal Cobalt Nanowires. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2454-2459.	2.0	110
82	Recently advances and perspectives of anode-free rechargeable batteries. <i>Nano Energy</i> , 2020, 78, 105344.	16.0	108
83	Two-Dimensional Silicon/Carbon from Commercial Alloy and CO ₂ for Lithium Storage and Flexible Ti ₃ C ₂ T _x MXene-Based Lithium-Metal Batteries. <i>ACS Nano</i> , 2020, 14, 17574-17588.	14.6	108
84	Metal-organic framework-derived Co _{0.85} Se nanoparticles in N-doped carbon as a high-rate and long-lifespan anode material for potassium ion batteries. <i>Materials Today Energy</i> , 2018, 10, 241-248.	4.7	107
85	Facile fabrication of hierarchical porous rose-like NiCo ₂ O ₄ nanoflake/MnCo ₂ O ₄ nanoparticle composites with enhanced electrochemical performance for energy storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16142-16149.	10.3	106
86	Water-Induced Growth of a Highly Oriented Mesoporous Graphitic Carbon Nanospring for Fast Potassium-Ion Adsorption/Intercalation Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18108-18115.	13.8	106
87	Micron-Sized Nanoporous Vanadium Pentoxide Arrays for High-Performance Gel Zinc-Ion Batteries and Potassium Batteries. <i>Chemistry of Materials</i> , 2020, 32, 4054-4064.	6.7	105
88	Intercalation of organics into layered structures enables superior interface compatibility and fast charge diffusion for dendrite-free Zn anodes. <i>Energy and Environmental Science</i> , 2022, 15, 1682-1693.	30.8	105
89	Highly Reversible Zn Metal Anodes Enabled by Freestanding, Lightweight, and Zincophilic MXene/Nanoporous Oxide Heterostructure Engineered Separator for Flexible Zn-MnO ₂ Batteries. <i>ACS Nano</i> , 2022, 16, 6755-6770.	14.6	103
90	Conductive and Polar Titanium Boride as a Sulfur Host for Advanced Lithium-Sulfur Batteries. <i>Chemistry of Materials</i> , 2018, 30, 6969-6977.	6.7	101

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91	A simple melting-diffusing-reacting strategy to fabricate S/NiS ₂ @C for lithium-sulfur batteries. <i>Nanoscale</i> , 2016, 8, 17616-17622.	5.6	100
92	Isotropic Li nucleation and growth achieved by an amorphous liquid metal nucleation seed on MXene framework for dendrite-free Li metal anode. <i>Energy Storage Materials</i> , 2020, 26, 223-233.	18.0	100
93	Hydrothermal Growth and Morphology Modification of NiS Three-Dimensional Flowerlike Architectures. <i>Crystal Growth and Design</i> , 2007, 7, 1918-1922.	3.0	99
94	Graphene-Supported NaTi ₂ (PO ₄) ₃ as a High Rate Anode Material for Aqueous Sodium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2014, 161, A1181-A1187.	2.9	98
95	A graphene oxide-wrapped bipyramidal sulfur@polyaniline core-shell structure as a cathode for Li-S batteries with enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6404-6410.	10.3	98
96	Surfactant-assisted growth of uniform nanorods of crystalline tellurium. <i>Journal of Materials Chemistry</i> , 2003, 13, 159-162.	6.7	97
97	Cysteine-Assisted Tunable Synthesis of PbS of Various Morphologies. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16761-16767.	3.1	96
98	Self-templating growth of Sb ₂ Se ₃ @C microtube: a convention-alloying-type anode material for enhanced K-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12283-12291.	10.3	96
99	Recent advances and perspectives in stable and dendrite-free potassium metal anodes. <i>Energy Storage Materials</i> , 2020, 30, 206-227.	18.0	95
100	Site-Selective Adsorption on ZnF ₂ /Ag Coated Zn for Advanced Aqueous Zinc-Metal Batteries at Low Temperature. <i>Nano Letters</i> , 2022, 22, 1750-1758.	9.1	95
101	Fabrication of $\text{MnO}_2/\text{MnO}_2$ hollow core/shell structures and their application to water treatment. <i>Journal of Materials Chemistry</i> , 2011, 21, 16210.	6.7	94
102	Electrochemical performance of rod-like Sb-C composite as anodes for Li-ion and Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3276-3280.	10.3	94
103	A Solvothermal Elemental Reaction To Produce Nanocrystalline ZnSe. <i>Inorganic Chemistry</i> , 1998, 37, 2844-2845.	4.0	93
104	Formation and morphology control of nanoparticles via solution routes in an autoclave. <i>Journal of Materials Chemistry</i> , 2011, 21, 11457.	6.7	93
105	Uniform Li deposition by regulating the initial nucleation barrier via a simple liquid-metal coating for a dendrite-free Li-metal anode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18861-18870.	10.3	93
106	Dealloying: An effective method for scalable fabrication of 0D, 1D, 2D, 3D materials and its application in energy storage. <i>Nano Today</i> , 2021, 37, 101094.	11.9	93
107	Appropriately hydrophilic/hydrophobic cathode enables high-performance aqueous zinc-ion batteries. <i>Energy Storage Materials</i> , 2020, 30, 337-345.	18.0	92
108	Solid-Solution Anion-Enhanced Electrochemical Performances of Metal Sulfides/Selenides for Sodium-Ion Capacitors: The Case of FeS ₂ Se. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10945-10954.	8.0	91

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109	Hierarchical Grapheneâ€‘scaffolded Silicon/Graphite Composites as High Performance Anodes for Lithiumâ€‘ion Batteries. <i>Small</i> , 2018, 14, e1802457.	10.0	91
110	Lithium phosphide/lithium chloride coating on lithium for advanced lithium metal anode. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15859-15867.	10.3	90
111	Synchronous synthesis of Kirkendall effect induced hollow FeSe ₂ /C nanospheres as anodes for high performance sodium ion batteries. <i>Chemical Communications</i> , 2018, 54, 5704-5707.	4.1	89
112	Sb nanoparticles uniformly dispersed in 1-D N-doped porous carbon as anodes for Li-ion and Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12144-12148.	10.3	88
113	Niobium Diboride Nanoparticles Accelerating Polysulfide Conversion and Directing Li ₂ S Nucleation Enabled High Areal Capacity Lithiumâ€‘Sulfur Batteries. <i>ACS Nano</i> , 2022, 16, 4947-4960.	14.6	88
114	One-Pot Hydrothermal Synthesis of FeMoO ₄ Nanocubes as an Anode Material for Lithium-Ion Batteries with Excellent Electrochemical Performance. <i>Small</i> , 2015, 11, 4753-4761.	10.0	87
115	Layered-Structure SbPO ₄ /Reduced Graphene Oxide: An Advanced Anode Material for Sodium Ion Batteries. <i>ACS Nano</i> , 2018, 12, 12869-12878.	14.6	87
116	Regulating the Interfacial Electronic Coupling of Fe ₂ N via Orbital Steering for Hydrogen Evolution Catalysis. <i>Advanced Materials</i> , 2020, 32, e1904346.	21.0	86
117	A Rational Self-Sacrificing Template Route to I ² -Bi ₂ O ₃ Nanotube Arrays. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1785-1787.	2.0	85
118	Coral-like Ni _x Co _{1-x} Se ₂ for Na-ion battery with ultralong cycle life and ultrahigh rate capability. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3933-3940.	10.3	85
119	Ultrathin mesoporous F-doped Ni(OH) ₂ nanosheets as an efficient electrode material for water splitting and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9656-9664.	10.3	85
120	Interfacial passivation by room-temperature liquid metal enabling stable 5 V-class lithium-metal batteries in commercial carbonate-based electrolyte. <i>Energy Storage Materials</i> , 2021, 34, 12-21.	18.0	85
121	Crystal structural design of exposed planes: express channels, high-rate capability cathodes for lithium-ion batteries. <i>Nanoscale</i> , 2018, 10, 17435-17455.	5.6	82
122	3D Co ₃ O ₄ and CoO@C wall arrays: morphology control, formation mechanism, and lithium-storage properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11597.	10.3	81
123	Hydrogenated TiO ₂ Branches Coated Mn ₃ O ₄ Nanorods as an Advanced Anode Material for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10348-10355.	8.0	81
124	One-Dimensional Yolkâ€‘Shell Sb@Tiâ€‘Oâ€‘P Nanostructures as a High-Capacity and High-Rate Anode Material for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 447-454.	8.0	79
125	Roomâ€‘temperature Liquid Metal Confined in MXene Paper as a Flexible, Freestanding, and Binderâ€‘Free Anode for Nextâ€‘generation Lithiumâ€‘ion Batteries. <i>Small</i> , 2019, 15, e1903214.	10.0	79
126	Manipulating the water dissociation kinetics of Ni ₃ N nanosheets via in situ interfacial engineering. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10924-10929.	10.3	79

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127	Polyaniline-Assisted Synthesis of Si@C/RGO as Anode Material for Rechargeable Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 409-414.	8.0	78
128	Mesoporous quasi-single-crystalline NiCo ₂ O ₄ superlattice nanoribbons with optimizable lithium storage properties. Journal of Materials Chemistry A, 2015, 3, 10336-10344.	10.3	78
129	Stabilizing antimony nanocrystals within ultrathin carbon nanosheets for high-performance K-ion storage. Energy Storage Materials, 2019, 20, 46-54.	18.0	78
130	Quantum Matter Bi/TiO ₂ Heterostructure Embedded in N-Doped Porous Carbon Nanosheets for Enhanced Sodium Storage. Small Structures, 2021, 2, 2000085.	12.0	77
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415	Amidation-Dominated Re-Assembly Strategy for Single-Atom Design/Nano-Engineering: Constructing Ni/S/C Nanotubes with Fast and Stable K-Storage. <i>Angewandte Chemie</i> , 2020, 132, 6521-6527.	2.0	1
416	Enhanced Hydrogen Evolution Catalysis from hierarchical nanostructure Co@CoMo electrode. <i>European Journal of Inorganic Chemistry</i> , 0, , .	2.0	1
417	TRANSPORT PROPERTIES IN SINGLE PHASE SUPERCONDUCTOR Ba ₂ YCu ₃ O _{7-δ} . <i>International Journal of Modern Physics B</i> , 1987, 01, 485-489.	2.0	0
418	SUPERCONDUCTIVITY ASSOCIATED WITH THE GRANULAR STRUCTURE IN Ba ₂ YCu ₃ O _{7-δ} . <i>Modern Physics Letters B</i> , 1988, 02, 1011-1015.	1.9	0
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420	Structural Characteristics of High T _c Superconducting Oxide in (Bi,Pb)-Sr-Ca-Cu-O System. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990, 184, 401-408.	0.3	0
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