

Shu-Bin Yang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142 papers	19,947 citations	61 h-index	141 g-index
148 ext. papers	22,221 ext. citations	14.2 avg, IF	7.18 L-index

#	Paper	IF	Citations
142	Single-Atom Pt Anchored on Oxygen Vacancy of Monolayer TiCT for Superior Hydrogen Evolution.. <i>Nano Letters</i> , 2022 ,	11.5	7
141	A perspective on high-entropy two-dimensional materials. <i>SusMat</i> , 2022 , 2, 65-75		0
140	A Highly Durable Rubber-Derived Lithium-Conducting Elastomer for Lithium Metal Batteries.. <i>Advanced Science</i> , 2022 , e2200553	13.6	4
139	High-Entropy Carbonitride MAX Phases and Their Derivative MXenes. <i>Advanced Energy Materials</i> , 2022 , 12, 2103228	21.8	9
138	Creating New Battery Configuration Associated with the Functions of Primary and Rechargeable Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2003746	21.8	7
137	Ultrafast Zinc Ion Conductor Interface toward High-Rate and Stable Zinc Metal Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2100186	21.8	61
136	Interlamellar Lithium-Ion Conductor Reformed Interface for High Performance Lithium Metal Anode. <i>Advanced Functional Materials</i> , 2021 , 31, 2102336	15.6	7
135	Rektilbild: Tricycloquinazoline-Based 2D Conductive Metal-Organic Frameworks as Promising Electrocatalysts for CO ₂ Reduction (Angew. Chem. 26/2021). <i>Angewandte Chemie</i> , 2021 , 133, 14840-14840	16.4	36
134	Tricycloquinazoline-Based 2D Conductive Metal-Organic Frameworks as Promising Electrocatalysts for CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14473-14479	16.4	38
133	Tricycloquinazoline-Based 2D Conductive Metal-Organic Frameworks as Promising Electrocatalysts for CO ₂ Reduction. <i>Angewandte Chemie</i> , 2021 , 133, 14594-14600	3.6	8
132	Single-Atom Sites on MXenes for Energy Conversion and Storage. <i>Small Science</i> , 2021 , 1, 2100017		25
131	Boron-doping induced lithophilic transition of graphene for dendrite-free lithium growth. <i>Journal of Energy Chemistry</i> , 2021 , 56, 463-469	12	10
130	3D Printing Lithium Salt towards Dendrite-free Lithium Anodes. <i>Energy Storage Materials</i> , 2021 , 35, 108-114	11.4	9
129	Selective Etching Quaternary MAX Phase toward Single Atom Copper Immobilized MXene (TiCCL) for Efficient CO Electroreduction to Methanol. <i>ACS Nano</i> , 2021 , 15, 4927-4936	16.7	41
128	Tortuosity Modulation toward High-Energy and High-Power Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2003663	21.8	13
127	Nitrogen-Doped Porous Carbon Nanosheets with Ultrahigh Capacity and Quasipacitive Energy Storage Performance for Lithium and Sodium Storage Applications. <i>Energy Technology</i> , 2021 , 9, 2100309	3.5	1
126	High-Entropy Atomic Layers of Transition-Metal Carbides (MXenes). <i>Advanced Materials</i> , 2021 , 33, e2101473	17.3	22

125	Nano high-entropy alloy with strong affinity driving fast polysulfide conversion towards stable lithium sulfur batteries. <i>Energy Storage Materials</i> , 2021 , 43, 212-220	19.4	8
124	Formation of Super-Assembled TiO ₂ /Zn/N-Doped Carbon Inverse Opal Towards Dendrite-Free Zn Anodes.. <i>Angewandte Chemie - International Edition</i> , 2021 , e202115649	16.4	13
123	High-Throughput Production of 1T MoS ₂ Monolayers Based on Controllable Conversion of Mo-Based MXenes.. <i>ACS Nano</i> , 2021 , 15, 19275-19283	16.7	4
122	Conversion of Intercalated MoO ₃ to Multi-Heteroatoms-Doped MoS ₂ with High Hydrogen Evolution Activity. <i>Advanced Materials</i> , 2020 , 32, e2001167	24	41
121	Catalytic Conversion of Polysulfides on Single Atom Zinc Implanted MXene toward High-Rate Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 2002471	15.6	72
120	In Situ Generation of Artificial Solid-Electrolyte Interphases on 3D Conducting Scaffolds for High-Performance Lithium-Metal Anodes. <i>Advanced Energy Materials</i> , 2020 , 10, 1903339	21.8	64
119	MXene-Based Mesoporous Nanosheets Toward Superior Lithium Ion Conductors. <i>Advanced Energy Materials</i> , 2020 , 10, 1903534	21.8	50
118	Conversion of non-van der Waals solids to 2D transition-metal chalcogenides. <i>Nature</i> , 2020 , 577, 492-496	50.4	76
117	Vanadium carbide with periodic anionic vacancies for effective electrocatalytic nitrogen reduction. <i>Materials Today</i> , 2020 , 40, 18-25	21.8	17
116	Perpendicular MXene Arrays with Periodic Interspaces toward Dendrite-Free Lithium Metal Anodes with High-Rate Capabilities. <i>Advanced Functional Materials</i> , 2020 , 30, 1908075	15.6	46
115	Ultrathin bismuth nanosheets as an efficient polysulfide catalyst for high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 149-157	13	26
114	Single Zinc Atoms Immobilized on MXene (Ti ₃ CCl) Layers toward Dendrite-Free Lithium Metal Anodes. <i>ACS Nano</i> , 2020 , 14, 891-898	16.7	94
113	Harnessing the unique features of MXenes for sulfur cathodes. <i>Tungsten</i> , 2020 , 2, 162-175	4.6	12
112	3D printing dendrite-free lithium anodes based on the nucleated MXene arrays. <i>Energy Storage Materials</i> , 2020 , 24, 670-675	19.4	47
111	Rapid and Low-Temperature Salt-Templated Production of 2D Metal Oxide/Oxychloride/Hydroxide. <i>Small</i> , 2019 , 15, e1904587	11	12
110	An artificial TiO ₂ /lithium n-butoxide hybrid SEI layer with facilitated lithium-ion transportation ability for stable lithium anodes. <i>Nanoscale</i> , 2019 , 11, 2194-2201	7.7	31
109	A liquid metal-based self-adaptive sulfur-gallium composite for long-cycling lithium-sulfur batteries. <i>Nanoscale</i> , 2019 , 11, 412-417	7.7	16
108	Horizontal Growth of Lithium on Parallelly Aligned MXene Layers towards Dendrite-Free Metallic Lithium Anodes. <i>Advanced Materials</i> , 2019 , 31, e1901820	24	112

107	Synergistic electrocatalysis of polysulfides by a nanostructured VS ₄ -carbon nanofiber functional separator for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16812-16820	13.6	61
106	Dendrite-Free Lithium Anodes with Ultra-Deep Stripping and Plating Properties Based on Vertically Oriented Lithium-Copper-Lithium Arrays. <i>Advanced Materials</i> , 2019 , 31, e1901310	24	76
105	A linear molecule sulfur-rich organic cathode material for high performance lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2019 , 430, 210-217	8.9	21
104	Room-temperature sodium thermal reaction towards electrochemically active metals for lithium storage. <i>Journal of Colloid and Interface Science</i> , 2019 , 551, 10-15	9.3	2
103	Facile fabrication of 2D stanene nanosheets via a dealloying strategy for potassium storage. <i>Chemical Communications</i> , 2019 , 55, 3983-3986	5.8	11
102	Few-layer tin-antimony nanosheets: a novel 2D alloy for superior lithium storage. <i>Chemical Communications</i> , 2019 , 55, 3975-3978	5.8	5
101	Homogeneous guiding deposition of sodium through main group II metals toward dendrite-free sodium anodes. <i>Science Advances</i> , 2019 , 5, eaau6264	14.3	87
100	Zinc anode with artificial solid electrolyte interface for dendrite-free Ni-Zn secondary battery. <i>Journal of Colloid and Interface Science</i> , 2019 , 555, 174-179	9.3	17
99	Endowing the Lithium Metal Surface with Self-Healing Property via an in Situ Gas-Solid Reaction for High-Performance Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28878-28884	9.5	15
98	Unlocking the Potential of Disordered Rocksalts for Aqueous Zinc-Ion Batteries. <i>Advanced Materials</i> , 2019 , 31, e1904369	24	93
97	Gradient-Distributed Nucleation Seeds on Conductive Host for a Dendrite-Free and High-Rate Lithium Metal Anode. <i>Small</i> , 2019 , 15, e1903520	11	51
96	Fast Cryomediated Dynamic Equilibrium Hydrolysates towards Grain Boundary-Enriched Platinum Scaffolds for Efficient Methanol Oxidation. <i>Research</i> , 2019 , 2019, 8174314	7.8	5
95	Harnessing the unique properties of 2D materials for advanced lithium-sulfur batteries. <i>Nanoscale Horizons</i> , 2019 , 4, 77-98	10.8	54
94	Tin Intercalated Ultrathin MoO ₃ Nanoribbons for Advanced Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1803137	21.8	87
93	W-doped VO ₂ (B) nanosheets-built 3D networks for fast lithium storage at high temperatures. <i>Electrochimica Acta</i> , 2019 , 295, 393-400	6.7	15
92	3D Printing Quasi-Solid-State Asymmetric Micro-Supercapacitors with Ultrahigh Areal Energy Density. <i>Advanced Energy Materials</i> , 2018 , 8, 1800408	21.8	178
91	Mesoporous Hybrid Electrolyte for Simultaneously Inhibiting Lithium Dendrites and Polysulfide Shuttle in Li-S Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1703124	21.8	29
90	Atomic Layers of MoO with Exposed High-Energy (010) Facets for Efficient Oxygen Reduction. <i>Small</i> , 2018 , 14, e1703960	11	16

89	A Material Perspective of Rechargeable Metallic Lithium Anodes. <i>Advanced Energy Materials</i> , 2018 , 8, 1702296	21.8	76
88	Vertically oriented growth of MoO ₃ nanosheets on graphene for superior lithium storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 672-679	13	25
87	Ultrathin two-dimensional metallic nanomaterials. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 456-467	7.8	43
86	Dendrite-Free Metallic Lithium in Lithiophilic Carbonized Metal-Organic Frameworks. <i>Advanced Energy Materials</i> , 2018 , 8, 1703505	21.8	108
85	Synergic antimony-bismuth pentoxide nanomeshes for high-rate sodium storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6225-6232	13	16
84	Defect-rich, boron-nitrogen bonds-free and dual-doped graphenes for highly efficient oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2018 , 521, 11-16	9.3	12
83	3D Printing Sulfur Copolymer-Graphene Architectures for Li-S Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1701527	21.8	148
82	Ultrastable In-Plane 1T $\bar{2}$ H MoS ₂ Heterostructures for Enhanced Hydrogen Evolution Reaction. <i>Advanced Energy Materials</i> , 2018 , 8, 1801345	21.8	259
81	Two-dimensional nanosheets as building blocks to construct three-dimensional structures for lithium storage. <i>Journal of Energy Chemistry</i> , 2018 , 27, 128-145	12	19
80	Efficient polysulfide barrier of a graphene aerogel-carbon nanofibers-Ni network for high-energy-density lithium-sulfur batteries with ultrahigh sulfur content. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20926-20938	13	50
79	Continuously 3D printed quantum dot-based electrodes for lithium storage with ultrahigh capacities. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19960-19966	13	34
78	Recent Advances in Synthesis and Applications of 2D Junctions. <i>Small</i> , 2018 , 14, e1801606	11	16
77	Editorial for rare metals, special issue on solid state batteries. <i>Rare Metals</i> , 2018 , 37, 447-448	5.5	2
76	Ultrafast Zn Intercalation and Deintercalation in Vanadium Dioxide. <i>Advanced Materials</i> , 2018 , 30, e1800742	14.2	331
75	V ₂ O ₃ nanoparticles anchored onto the reduced graphene oxide for superior lithium storage. <i>Electrochimica Acta</i> , 2017 , 231, 732-738	6.7	28
74	Multi-Atomic Layers of Metallic Aluminum for Ultralong Life Lithium Storage with High Volumetric Capacity. <i>Advanced Functional Materials</i> , 2017 , 27, 1700840	15.6	42
73	Liquid-Phase Exfoliated Metallic Antimony Nanosheets toward High Volumetric Sodium Storage. <i>Advanced Energy Materials</i> , 2017 , 7, 1700447	21.8	131
72	Controllable synthesis of sandwich-like graphene-supported structures for energy storage and conversion. <i>New Carbon Materials</i> , 2017 , 32, 1-14	4.4	12

71	Simultaneous Formation of Artificial SEI Film and 3D Host for Stable Metallic Sodium Anodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 40265-40272	9.5	45
70	Two-Dimensional Porous Sandwich-Like C/Si-Graphene-Si/C Nanosheets for Superior Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39371-39379	9.5	40
69	Flexible Ti3C2 MXene-lithium film with lamellar structure for ultrastable metallic lithium anodes. <i>Nano Energy</i> , 2017 , 39, 654-661	17.1	132
68	Pre-planted nucleation seeds for rechargeable metallic lithium anodes. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18862-18869	13	24
67	3D-Printed Hierarchical Porous Frameworks for Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41871-41877	9.5	40
66	3D organic NaCO/graphene architecture for fast sodium storage with ultralong cycle life. <i>Chemical Communications</i> , 2017 , 53, 12642-12645	5.8	15
65	Graphene-supported mesoporous titania nanosheets for efficient photodegradation. <i>Journal of Colloid and Interface Science</i> , 2017 , 505, 711-718	9.3	14
64	Partially Single-Crystalline Mesoporous Nb2 O5 Nanosheets in between Graphene for Ultrafast Sodium Storage. <i>Advanced Materials</i> , 2016 , 28, 7672-9	24	141
63	Pyridinic Nitrogen-Enriched Carbon Nanogears with Thin Teeth for Superior Lithium Storage. <i>Advanced Energy Materials</i> , 2016 , 6, 1600917	21.8	96
62	Hybrid 2D/0D Graphene/N Quantum Dots for Superior Lithium and Sodium Storage. <i>Advanced Energy Materials</i> , 2016 , 6, 1502067	21.8	55
61	Copper(II) tungstate nanoflake array films: sacrificial template synthesis, hydrogen treatment, and their application as photoanodes in solar water splitting. <i>Nanoscale</i> , 2016 , 8, 5892-901	7.7	61
60	Pyridinic-Nitrogen-Dominated Graphene Aerogels with Fe ^{III} Coordination for Highly Efficient Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2016 , 26, 5708-5717	15.6	301
59	A new configured lithiated silicon-sulfur battery built on 3D graphene with superior electrochemical performances. <i>Energy and Environmental Science</i> , 2016 , 9, 2025-2030	35.4	86
58	3D Nanostructured Molybdenum Diselenide/Graphene Foam as Anodes for Long-Cycle Life Lithium-ion Batteries. <i>Electrochimica Acta</i> , 2015 , 176, 103-111	6.7	95
57	Ultrafine SnO2 nanoparticles decorated onto graphene for high performance lithium storage. <i>RSC Advances</i> , 2015 , 5, 43798-43804	3.7	9
56	Vertically aligned sulfur-graphene nanowalls on substrates for ultrafast lithium-sulfur batteries. <i>Nano Letters</i> , 2015 , 15, 3073-9	11.5	167
55	Nitrogen-doped holey graphene foams for high-performance lithium storage. <i>RSC Advances</i> , 2015 , 5, 91114-91119	3.7	20
54	Nanosized Pt anchored onto 3D nitrogen-doped graphene nanoribbons towards efficient methanol electrooxidation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19696-19701	13	49

53	3D Reduced Graphene Oxide Coated V ₂ O ₅ Nanoribbon Scaffolds for High-Capacity Supercapacitor Electrodes. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 817-821	3.1	43
52	From Commercial Sponge Toward 3D Graphene/Silicon Networks for Superior Lithium Storage. <i>Advanced Energy Materials</i> , 2015 , 5, 1500289	21.8	101
51	Boron- and Nitrogen-Substituted Graphene Nanoribbons as Efficient Catalysts for Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2015 , 27, 1181-1186	9.6	202
50	Direct chemical conversion of graphene to boron- and nitrogen- and carbon-containing atomic layers. <i>Nature Communications</i> , 2014 , 5, 3193	17.4	169
49	CoMoO ₄ nanoparticles anchored on reduced graphene oxide nanocomposites as anodes for long-life lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 20414-22	9.5	107
48	Anomalous piezoelectricity in two-dimensional graphene nitride nanosheets. <i>Nature Communications</i> , 2014 , 5, 4284	17.4	157
47	Ultrathin single-crystalline vanadium pentoxide nanoribbon constructed 3D networks for superior energy storage. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13136-13142	13	73
46	Pt-decorated 3D architectures built from graphene and graphitic carbon nitride nanosheets as efficient methanol oxidation catalysts. <i>Advanced Materials</i> , 2014 , 26, 5160-5	24	304
45	A Bottom-Up Approach to Build 3D Architectures from Nanosheets for Superior Lithium Storage. <i>Advanced Functional Materials</i> , 2014 , 24, 125-130	15.6	235
44	Fabrication of Fully Fluorinated Graphene Nanosheets Towards High-Performance Lithium Storage. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1300149	4.6	40
43	Vertically aligned cobalt oxide nanowires on graphene networks for high-performance lithium storage. <i>Nanotechnology</i> , 2014 , 25, 445704	3.4	9
42	Use of organic precursors and graphenes in the controlled synthesis of carbon-containing nanomaterials for energy storage and conversion. <i>Accounts of Chemical Research</i> , 2013 , 46, 116-28	24.3	148
41	Building 3D structures of vanadium pentoxide nanosheets and application as electrodes in supercapacitors. <i>Nano Letters</i> , 2013 , 13, 5408-13	11.5	311
40	Three-dimensional metal-graphene-nanotube multifunctional hybrid materials. <i>ACS Nano</i> , 2013 , 7, 58-64	16.7	185
39	Graphene-based porous silica sheets impregnated with polyethyleneimine for superior CO ₂ capture. <i>Advanced Materials</i> , 2013 , 25, 2130-4	24	122
38	Direct laser-patterned micro-supercapacitors from paintable MoS ₂ films. <i>Small</i> , 2013 , 9, 2905-10	11	401
37	Bottom-up approach toward single-crystalline VO ₂ -graphene ribbons as cathodes for ultrafast lithium storage. <i>Nano Letters</i> , 2013 , 13, 1596-601	11.5	235
36	3D graphene foams cross-linked with pre-encapsulated Fe ₃ O ₄ nanospheres for enhanced lithium storage. <i>Advanced Materials</i> , 2013 , 25, 2909-14	24	665

35	Exfoliated graphitic carbon nitride nanosheets as efficient catalysts for hydrogen evolution under visible light. <i>Advanced Materials</i> , 2013 , 25, 2452-6	24	1859
34	Graphene-network-backboned architectures for high-performance lithium storage. <i>Advanced Materials</i> , 2013 , 25, 3979-84	24	232
33	Coplanar asymmetrical reduced graphene oxide-titanium electrodes for polymer photodetectors. <i>Advanced Materials</i> , 2012 , 24, 1566-70	24	24
32	Three-dimensional graphene-based macro- and mesoporous frameworks for high-performance electrochemical capacitive energy storage. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19532-5	16.4	934
31	A General Strategy for the Synthesis of Carbon Nanofibers from Solid Carbon Materials. <i>Angewandte Chemie</i> , 2012 , 124, 12368-12371	3.6	4
30	Hollow carbon spheres with encapsulation of Co ₃ O ₄ nanoparticles as anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2012 , 78, 440-445	6.7	49
29	Porous iron oxide ribbons grown on graphene for high-performance lithium storage. <i>Scientific Reports</i> , 2012 , 2, 427	4.9	112
28	Nitrogen-doped graphene and its iron-based composite as efficient electrocatalysts for oxygen reduction reaction. <i>ACS Nano</i> , 2012 , 6, 9541-50	16.7	578
27	3D nitrogen-doped graphene aerogel-supported Fe ₃ O ₄ nanoparticles as efficient electrocatalysts for the oxygen reduction reaction. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9082-5	16.4	1833
26	Efficient Synthesis of Heteroatom (N or S)-Doped Graphene Based on Ultrathin Graphene Oxide-Porous Silica Sheets for Oxygen Reduction Reactions. <i>Advanced Functional Materials</i> , 2012 , 22, 3634-3640	15.6	1071
25	Sandwich-like, graphene-based titania nanosheets with high surface area for fast lithium storage. <i>Advanced Materials</i> , 2011 , 23, 3575-9	24	474
24	2D sandwich-like sheets of iron oxide grown on graphene as high energy anode material for supercapacitors. <i>Advanced Materials</i> , 2011 , 23, 5574-80	24	489
23	Graphene-Based Carbon Nitride Nanosheets as Efficient Metal-Free Electrocatalysts for Oxygen Reduction Reactions. <i>Angewandte Chemie</i> , 2011 , 123, 5451-5455	3.6	172
22	Graphene-based carbon nitride nanosheets as efficient metal-free electrocatalysts for oxygen reduction reactions. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5339-43	16.4	949
21	Fabrication of cobalt and cobalt oxide/graphene composites: towards high-performance anode materials for lithium ion batteries. <i>ChemSusChem</i> , 2010 , 3, 236-9	8.3	276
20	Nanographene-constructed hollow carbon spheres and their favorable electroactivity with respect to lithium storage. <i>Advanced Materials</i> , 2010 , 22, 838-42	24	445
19	Graphene-Based Nanosheets with a Sandwich Structure. <i>Angewandte Chemie</i> , 2010 , 122, 4905-4909	3.6	55
18	Fabrication of Graphene-Encapsulated Oxide Nanoparticles: Towards High-Performance Anode Materials for Lithium Storage. <i>Angewandte Chemie</i> , 2010 , 122, 8586-8589	3.6	95

17	Graphene-based nanosheets with a sandwich structure. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4795-9	16.4	434
16	Fabrication of graphene-encapsulated oxide nanoparticles: towards high-performance anode materials for lithium storage. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8408-11	16.4	948
15	Effect of heat treatment on the morphology and electrochemical performance of TiO ₂ nanotubes as anode materials for lithium-ion batteries. <i>Materials Chemistry and Physics</i> , 2009 , 118, 367-370	4.4	19
14	Carbon nanotube capsules encapsulating SnO ₂ nanoparticles as an anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2009 , 55, 521-527	6.7	56
13	Carbon-Encapsulated Metal Oxide Hollow Nanoparticles and Metal Oxide Hollow Nanoparticles: A General Synthesis Strategy and Its Application to Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2009 , 21, 2935-2940	9.6	134
12	A comparative study of electrochemical properties of two kinds of carbon nanotubes as anode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2008 , 53, 2238-2244	6.7	126
11	Preparation and electrochemical properties of composites of carbon nanotubes loaded with Ag and TiO ₂ nanoparticle for use as anode material in lithium-ion batteries. <i>Electrochimica Acta</i> , 2008 , 53, 6351-6355	6.7	66
10	Electrochemical performance of arc-produced carbon nanotubes as anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2007 , 52, 5286-5293	6.7	71
9	Nanosized tin and tin oxides loaded expanded mesocarbon microbeads as negative electrode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2007 , 173, 487-494	8.9	40
8	Electrochemical performance of expanded mesocarbon microbeads as anode material for lithium-ion batteries. <i>Electrochemistry Communications</i> , 2006 , 8, 137-142	5.1	260
7	Expansion of mesocarbon microbeads. <i>Carbon</i> , 2006 , 44, 730-733	10.4	11
6	Single-Atom Reversible Lithiophilic Sites toward Stable Lithium Anodes. <i>Advanced Energy Materials</i> , 2013 , 3, 68	21.8	9
5	Charge-Enriched Strategy Based on MXene-Based Polypyrrole Layers Toward Dendrite-Free Zinc Metal Anodes. <i>Advanced Energy Materials</i> , 2013 , 3, 979	21.8	14
4	Harnessing the Unique Features of 2D Materials toward Dendrite-free Metal Anodes. <i>Energy and Environmental Materials</i> , 2013 , 6, 5	13	5
3	Efficient polysulfides conversion on Mo ₂ CTx MXene for high-performance lithium-sulfur batteries. <i>Rare Metals</i> , 2013 , 32, 1	5.5	8
2	Vertically Aligned MXene Nanosheet Arrays for High-Rate Lithium Metal Anodes. <i>Advanced Energy Materials</i> , 2020 , 10, 200072	21.8	12
1	Stress-Release Functional Liquid Metal-MXene Layers toward Dendrite-Free Zinc Metal Anodes. <i>Advanced Energy Materials</i> , 2020 , 10, 200115	21.8	7