

# Xin-hui Xia

## 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.

293  
papers

21,746  
citations

80  
h-index

140  
g-index

312  
ext. papers

25,263  
ext. citations

10.9  
avg, IF

7.27  
L-index

#	Paper	IF	Citations
293	Ionic Liquid-Impregnated ZIF-8/Polypropylene Solid-like Electrolyte for Dendrite-free Lithium-Metal Batteries.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	7
292	Regulation of the Interfaces Between Argyrodite Solid Electrolytes and Lithium Metal Anode.. <i>Frontiers in Chemistry</i> , <b>2022</b> , 10, 837978	5	1
291	A cleverly designed asymmetrical composite electrolyte via in-situ polymerization for high-performance, dendrite-free solid state lithium metal battery. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 135030	14.7	1
290	Employing Ni-Embedded Porous Graphitic Carbon Fibers for High-Efficiency Lithium-Sulfur Batteries.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	13
289	Stabilizing the interphase between Li and Argyrodite electrolyte through synergistic phosphating process for all-solid-state lithium batteries. <i>Nano Energy</i> , <b>2022</b> , 96, 107104	17.1	3
288	In-situ generated Li <sub>3</sub> N/Li-Al alloy in reduced graphene oxide framework optimizing ultra-thin lithium metal electrode for solid-state batteries. <i>Energy Storage Materials</i> , <b>2022</b> , 49, 546-554	19.4	1
287	Multifunctional Hyphae Carbon Powering Lithium Sulfur Batteries. <i>Advanced Materials</i> , <b>2021</b> , e2107415	24	15
286	Efficacy and Safety of First-Line Treatment Strategies for Anaplastic Lymphoma Kinase-Positive Non-Small Cell Lung Cancer: A Bayesian Network Meta-Analysis. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 754768	5.3	4
285	Ultrafast Synthesis of I-Rich Lithium Argyrodite Glass-Ceramic Electrolyte with High Ionic Conductivity. <i>Advanced Materials</i> , <b>2021</b> , e2107346	24	5
284	Co-construction of advanced sulfur host by implanting titanium carbide into <i>Aspergillus niger</i> spore carbon. <i>Chinese Chemical Letters</i> , <b>2021</b> ,	8.1	3
283	Optimizing quasi-solid-state sodium storage performance of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>2.5</sub> O <sub>0.5</sub> cathode by structural design plus nitrogen doping. <i>Chemical Engineering Journal</i> , <b>2021</b> , 433, 133557	14.7	1
282	A solar-powered multifunctional and multimode electrochromic smart window based on WO <sub>3</sub> /Prussian blue complementary structure. <i>Sustainable Materials and Technologies</i> , <b>2021</b> , 31, e00372	5.3	4
281	A Three-Dimensional Electrospun LiLaZrTaO-Poly (Vinylidene Fluoride-Hexafluoropropylene) Gel Polymer Electrolyte for Rechargeable Solid-State Lithium Ion Batteries. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 751476	5	1
280	Confined Polysulfides in N-Doped 3D-CNTs Network for High Performance Lithium-Sulfur Batteries. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
279	Single-Crystal-Layered Ni-Rich Oxide Modified by Phosphate Coating Boosting Interfacial Stability of Li SnP S -Based All-Solid-State Li Batteries. <i>Small</i> , <b>2021</b> , 17, e2103830	11	4
278	Sodium-storage behavior of electron-rich element-doped amorphous carbon. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 011402	17.3	8
277	Fluorinated Interface Layer with Embedded Zinc Nanoparticles for Stable Lithium-Metal Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 17690-17698	9.5	2

276	Self-Healing Properties of Alkali Metals under High-Energy Conditions in Batteries. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100470	21.8	6
275	Metal-CO <sub>2</sub> Electrochemistry: From CO <sub>2</sub> Recycling to Energy Storage. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100667	21.8	19
274	Porous Composite Gel Polymer Electrolyte with Interfacial Transport Pathways for Flexible Quasi Solid Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 23743-23750	9.5	4
273	A Stretchable and Safe Polymer Electrolyte with a Protecting-Layer Strategy for Solid-State Lithium Metal Batteries. <i>Advanced Science</i> , <b>2021</b> , 8, 2003241	13.6	16
272	Emerging of Heterostructure Materials in Energy Storage: A Review. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100855	11.5	80
271	Robust LiPSI Interlayer to Stabilize the Tailored Electrolyte LiSnPSF/Li Metal Interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 30739-30745	9.5	3
270	Li S -Integrated PEO-Based Polymer Electrolytes for All-Solid-State Lithium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 17701-17706	16.4	25
269	Li <sub>2</sub> S <sub>6</sub> -Integrated PEO-Based Polymer Electrolytes for All-Solid-State Lithium-Metal Batteries. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 17842-17847	3.6	8
268	First-Line Treatment Options for PD-L1-Negative Non-Small Cell Lung Cancer: A Bayesian Network Meta-Analysis. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 657545	5.3	0
267	Self-supported hierarchical porous Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /carbon arrays for boosted lithium ion storage. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 54, 754-760	12	16
266	Interfacial Reactions in Inorganic All-Solid-State Lithium Batteries. <i>Batteries and Supercaps</i> , <b>2021</b> , 4, 8-38	5.6	12
265	A Facile Way to Construct Stable and Ionic Conductive Lithium Sulfide Nanoparticles Composed Solid Electrolyte Interphase on Li Metal Anode. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2006380	15.6	19
264	Nitrogen doped vertical graphene as metal-free electrocatalyst for hydrogen evolution reaction. <i>Materials Research Bulletin</i> , <b>2021</b> , 134, 111094	5.1	12
263	Empowering polypropylene separator with enhanced polysulfide adsorption and reutilization ability for high-performance Li-S batteries. <i>Materials Research Bulletin</i> , <b>2021</b> , 134, 111108	5.1	3
262	Graphene/TiO <sub>2</sub> decorated N-doped carbon foam as 3D porous current collector for high loading sulfur cathode. <i>Materials Research Bulletin</i> , <b>2021</b> , 135, 111129	5.1	8
261	Recent progress on the phase modulation of molybdenum disulphide/diselenide and their applications in electrocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 1418-1428	13	12
260	Topological Insulator-Assisted MoSe <sub>2</sub> /Bi <sub>2</sub> Se <sub>3</sub> Heterostructure: Achieving Fast Reaction Kinetics Toward High Rate Sodium-Ion Batteries. <i>ChemElectroChem</i> , <b>2021</b> , 8, 697-704	4.3	10
259	In situ formation of a Li <sub>3</sub> N-rich interface between lithium and argyrodite solid electrolyte enabled by nitrogen doping. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 13531-13539	13	15

258	Milling Time-Dependent Lithium/Sodium Storage Performance of Carbons Synthesized by a Mechanochemical Reaction. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 4596-4603	4.1	2
257	Synthesis of Carbon Nanoflake/Sulfur Arrays as Cathode Materials of Lithium-Sulfur Batteries <b>2021</b> , 77-86		
256	Porous Polyamide Skeleton-Reinforced Solid-State Electrolyte: Enhanced Flexibility, Safety, and Electrochemical Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 11018-11025	9.5	11
255	A Powerful One-Step Puffing Carbonization Method for Construction of Versatile Carbon Composites with High-Efficiency Energy Storage. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102796	24	18
254	A Versatile Li <sub>6.5</sub> In <sub>0.25</sub> P <sub>0.75</sub> S <sub>5</sub> I Sulfide Electrolyte Triggered by Ultimate-Energy Mechanical Alloying for All-Solid-State Lithium Metal Batteries. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101521	21.8	8
253	A Brief Review on Solid Electrolyte Interphase Composition Characterization Technology for Lithium Metal Batteries: Challenges and Perspectives. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 19060-19080	2.8	42
252	Novel Construction of Heterostructured FeTiO <sub>3</sub> /Fe <sub>2.75</sub> Ti <sub>0.25</sub> O <sub>4</sub> Mesoporous Nanodisks with Both High Capacity and Stable Cycling Life for Lithium-Ion Storage. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 10380-10390	6.1	8
251	Heterovalent Cation Substitution to Enhance the Ionic Conductivity of Halide Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 47610-47618	9.5	4
250	Dual immune checkpoint blockade for non-small cell lung cancer patients with PD-L1 high expression: calling an end?. <i>Translational Lung Cancer Research</i> , <b>2021</b> , 10, 3858-3860	4.4	0
249	Building superior layered oxide cathode via rational surface engineering for both liquid & solid-state sodium ion batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 421, 127788	14.7	5
248	High-performance Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>2.5</sub> O <sub>0.5</sub> cathode: Hybrid reaction mechanism study via ex-situ XRD and sodium storage properties in solid-state batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 423, 130310	14.7	3
247	Interface issues of lithium metal anode for high-energy batteries: Challenges, strategies, and perspectives. <i>Information Materials</i> , <b>2021</b> , 3, 155-174	23.1	72
246	High Performance Single-Crystal Ni-Rich Cathode Modification via Crystalline LLTO Nanocoating for All-Solid-State Lithium Batteries.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	4
245	Etiology of Severe Community-Acquired Pneumonia in Adults Based on Metagenomic Next-Generation Sequencing: A Prospective Multicenter Study. <i>Infectious Diseases and Therapy</i> , <b>2020</b> , 9, 1003-1015	6.2	19
244	A novel multielement nanocomposite with ultrahigh rate capacity and durable performance for sodium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 11598-11606	13	9
243	Unveiling the solid-solution charge storage mechanism in 1T vanadium disulfide nanoarray cathodes. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 9068-9076	13	20
242	Application of immune checkpoint inhibitors in EGFR-mutant non-small-cell lung cancer: from bed to bench. <i>Therapeutic Advances in Medical Oncology</i> , <b>2020</b> , 12, 1758835920930333	5.4	15
241	Heteroatom Doping: An Effective Way to Boost Sodium Ion Storage. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000927	21.8	134

240	Electrode Design for Lithium-Sulfur Batteries: Problems and Solutions. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1910375	15.6	109
239	Highly porous Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> films as high-rate electrodes for fast lithium ion storage. <i>Materials Technology</i> , <b>2020</b> , 35, 635-641	2.1	1
238	Lithium Sulfide as Cathode Materials for Lithium-Ion Batteries: Advances and Challenges. <i>Journal of Chemistry</i> , <b>2020</b> , 2020, 1-17	2.3	3
237	Introducing Oxygen Defects into Phosphate Ions Intercalated Manganese Dioxide/Vertical Multilayer Graphene Arrays to Boost Flexible Zinc Ion Storage. <i>Small Methods</i> , <b>2020</b> , 4, 1900828	12.8	69
236	Synergy of Ion Doping and Spiral Array Architecture on Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> : A New Way to Achieve High-Power Electrodes. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002665	15.6	24
235	A highly ion-conductive three-dimensional LLZAO-PEO/LiTFSI solid electrolyte for high-performance solid-state batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 394, 124993	14.7	42
234	Anchoring MnO <sub>2</sub> on nitrogen-doped porous carbon nanosheets as flexible arrays cathodes for advanced rechargeable Zn/MnO <sub>2</sub> batteries. <i>Energy Storage Materials</i> , <b>2020</b> , 29, 52-59	19.4	59
233	Integrated photo-chargeable electrochromic energy-storage devices. <i>Electrochimica Acta</i> , <b>2020</b> , 345, 136235	6.7	13
232	Boosting fast lithium ion storage of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> by synergistic effect of vertical graphene and nitrogen doping. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 51, 372-377	12	10
231	N-doped carbon nanofibers arrays as advanced electrodes for supercapacitors. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 55, 144-151	9.1	18
230	Boosting fast energy storage by synergistic engineering of carbon and deficiency. <i>Nature Communications</i> , <b>2020</b> , 11, 132	17.4	61
229	Ultrafast and durable lithium ion storage enabled by intertwined carbon nanofiber/Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> core-shell arrays. <i>Electrochimica Acta</i> , <b>2020</b> , 332, 135433	6.7	20
228	Unraveling the Intra and Intercycle Interfacial Evolution of Li <sub>6</sub> PS <sub>5</sub> Cl-Based All-Solid-State Lithium Batteries. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903311	21.8	69
227	Rational synthesis of CrNbO microspheres as high-rate electrodes for lithium ion batteries. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 562, 511-517	9.3	21
226	Risk of COVID-19 in Patients With Cancer. <i>JAMA Oncology</i> , <b>2020</b> , 6, 1469-1470	13.4	2
225	Coupling a Sponge Metal Fibers Skeleton with In Situ Surface Engineering to Achieve Advanced Electrodes for Flexible Lithium-Sulfur Batteries. <i>Advanced Materials</i> , <b>2020</b> , 32, e2003657	24	45
224	Improved Ionic Conductivity and Li Dendrite Suppression Capability toward LiPS-Based Solid Electrolytes Triggered by Nb and O Cosubstitution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 54662-54670	9.5	17
223	Functionally Modified Polyolefin-Based Separators for Lithium-Sulfur Batteries: Progress and Prospects. <i>Frontiers in Energy Research</i> , <b>2020</b> , 8,	3.8	2

222	Potassium Hexafluorophosphate Additive Enables Stable Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 56017-56026	9.5	14
221	Coupling PEDOT on Mesoporous Vanadium Nitride Arrays for Advanced Flexible All-Solid-State Supercapacitors. <i>Small</i> , <b>2020</b> , 16, e2003434	11	43
220	Implanting Ni into N-doped puffed carbon: A new advanced electrocatalyst for oxygen evolution reaction. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 2230-2234	8.1	8
219	Anchoring SnS on TiC/C Backbone to Promote Sodium Ion Storage by Phosphate Ion Doping. <i>Small</i> , <b>2020</b> , 16, e2004072	11	21
218	Exploring the Stability Effect of the Co-Substituted P2-Na[MnNi]O Cathode for Liquid- and Solid-State Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 41477-41484	9.5	8
217	Silicon-Doped Argyrodite Solid Electrolyte LiPSI with Improved Ionic Conductivity and Interfacial Compatibility for High-Performance All-Solid-State Lithium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 41538-41545	9.5	36
216	In Situ Probing Multiple-Scale Structures of Energy Materials for Li-Ion Batteries. <i>Small Methods</i> , <b>2020</b> , 4, 1900223	12.8	29
215	Design of pyrite/carbon nanospheres as high-capacity cathode for lithium-ion batteries. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 40, 1-6	12	16
214	Rational synthesis of MoS <sub>2</sub> nanosheet arrays on carbon fibres for sodium ion storage. <i>Materials Technology</i> , <b>2020</b> , 35, 509-514	2.1	2
213	A gel polymer electrolyte based on PVDF-HFP modified double polymer matrices via ultraviolet polymerization for lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 558, 145-154	9.3	32
212	Popcorn-like niobium oxide with cloned hierarchical architecture as advanced anode for solid-state lithium ion batteries. <i>Energy Storage Materials</i> , <b>2020</b> , 25, 695-701	19.4	12
211	Oxygen defect boosted N-doped Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> anchored on core-branch carbon skeleton for both high-rate liquid & solid-state lithium ion batteries. <i>Energy Storage Materials</i> , <b>2020</b> , 25, 555-562	19.4	39
210	3D ultraviolet polymerized electrolyte based on PEO modified PVDF-HFP electrospun membrane for high-performance lithium-sulfur batteries. <i>Electrochimica Acta</i> , <b>2020</b> , 329, 135108	6.7	23
209	Construction of 1T-MoSe <sub>2</sub> /TiC@C Branch-Core Arrays as Advanced Anodes for Enhanced Sodium Ion Storage. <i>ChemSusChem</i> , <b>2020</b> , 13, 1575-1581	8.3	17
208	TiC/C core/shell nanowires arrays as advanced anode of sodium ion batteries. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 846-850	8.1	10
207	β-Cyclodextrin-modified porous ceramic membrane with enhanced ionic conductivity and thermal stability for lithium-ion batteries. <i>Ionics</i> , <b>2020</b> , 26, 173-182	2.7	6
206	Recent progress on MOF-derived carbon materials for energy storage <b>2020</b> , 2, 176-202		76
205	Tremella-like porous carbon derived from one-step electroreduction of molten carbonates with superior rate capability for sodium-ion batteries. <i>Ionics</i> , <b>2020</b> , 26, 2899-2907	2.7	2

204	Bacterium, Fungus, and Virus Microorganisms for Energy Storage and Conversion. <i>Small Methods</i> , <b>2019</b> , 3, 1900596	12.8	59
203	Bifunctional NiFe layered double hydroxide@NiS heterostructure as efficient electrocatalyst for overall water splitting. <i>Nanotechnology</i> , <b>2019</b> , 30, 484001	3.4	26
202	Ordered lithiophilic sites to regulate Li plating/stripping behavior for superior lithium metal anodes. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 21794-21801	13	49
201	Directional construction of Cu <sub>2</sub> S branch arrays for advanced oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 39, 61-67	12	30
200	Sand/carbon composites as low-cost lithium storage materials with superior electrochemical performance. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 4123-4129	3.6	6
199	Rational construction of cross-linked porous nickel arrays for efficient oxygen evolution reaction. <i>Chinese Journal of Catalysis</i> , <b>2019</b> , 40, 1063-1069	11.3	5
198	Coupled Biphasic (1T-2H)-MoSe <sub>2</sub> on Mold Spore Carbon for Advanced Hydrogen Evolution Reaction. <i>Small</i> , <b>2019</b> , 15, e1901796	11	54
197	SnO Nanoflake Arrays Coated with Polypyrrole on a Carbon Cloth as Flexible Anodes for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 24198-24204	9.5	60
196	Original growth mechanism for ultra-stable dendrite-free potassium metal electrode. <i>Nano Energy</i> , <b>2019</b> , 62, 367-375	17.1	55
195	Molybdenum Selenide Electrocatalysts for Electrochemical Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , <b>2019</b> , 6, 3530-3548	4.3	42
194	Functionalized N-Doped Carbon Nanotube Arrays: Novel Binder-Free Anodes for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 18662-18670	9.5	25
193	A multicolor electrochromic film based on a SnO <sub>2</sub> /V <sub>2</sub> O <sub>5</sub> core/shell structure for adaptive camouflage. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 5702-5709	7.1	33
192	New carbon for electrochemical energy storage and conversion. <i>Functional Materials Letters</i> , <b>2019</b> , 12, 1950049	1.2	6
191	Implanting Niobium Carbide into Trichoderma Spore Carbon: a New Advanced Host for Sulfur Cathodes. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900009	24	132
190	Enhancement of the advanced Na storage performance of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> in a symmetric sodium full cell via a dual strategy design. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10231-10238	13	32
189	Nitrogen-Doped Sponge Ni Fibers as Highly Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 21	19.5	46
188	Polypyrrole-Coated Sodium Manganate Hollow Microspheres as a Superior Cathode for Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 15630-15637	9.5	21
187	Multiscale Graphene-Based Materials for Applications in Sodium Ion Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803342	21.8	146

186	High-Index-Faceted NiS Branch Arrays as Bifunctional Electrocatalysts for Efficient Water Splitting. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 12	19.5	50
185	Bi-containing Electrolyte Enables Robust and Li Ion Conductive Solid Electrolyte Interphase for Advanced Lithium Metal Anodes. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 952	5	7
184	Multiscale Porous Carbon Nanomaterials for Applications in Advanced Rechargeable Batteries. <i>Batteries and Supercaps</i> , <b>2019</b> , 2, 9-36	5.6	41
183	Atomic Layer Deposition-Assisted Construction of Binder-Free Ni@N-Doped Carbon Nanospheres Films as Advanced Host for Sulfur Cathode. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 64	19.5	9
182	Grain-boundary corrosion of nickel-based alloy by synchrotron radiation technology. <i>Surface Innovations</i> , <b>2019</b> , 7, 278-283	1.9	2
181	Non-Newtonian Fluid State KNa Alloy for a Stretchable Energy Storage Device. <i>Small Methods</i> , <b>2019</b> , 3, 1900383	12.8	22
180	Biological Metabolism Synthesis of Metal Oxides Nanorods from Bacteria as a Biofactory toward High-Performance Lithium-Ion Battery Anodes. <i>Small</i> , <b>2019</b> , 15, e1902032	11	11
179	Porous TiO/CoS core-branch nanosheet arrays with high electrocatalytic activity for a hydrogen evolution reaction. <i>Nanotechnology</i> , <b>2019</b> , 30, 404001	3.4	11
178	Synergistic Doping and Intercalation: Realizing Deep Phase Modulation on MoS Arrays for High-Efficiency Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 16289-16296 <sup>164, 113</sup>	16.4	113
177	Defect Promoted Capacity and Durability of N-MnO Branch Arrays via Low-Temperature NH Treatment for Advanced Aqueous Zinc Ion Batteries. <i>Small</i> , <b>2019</b> , 15, e1905452	11	103
176	3D CNTs Networks Enable MnO <sub>2</sub> Cathodes with High Capacity and Superior Rate Capability for Flexible Rechargeable Zn/MnO <sub>2</sub> Batteries. <i>Small Methods</i> , <b>2019</b> , 3, 1900525	12.8	64
175	Enhanced Li-Storage of Ni S Nanowire Arrays with N-Doped Carbon Coating Synthesized by One-Step CVD Process and Investigated Via Ex Situ TEM. <i>Small</i> , <b>2019</b> , 15, e1904433	11	10
174	Boosting High-Rate Sodium Storage Performance of N-Doped Carbon-Encapsulated Na V (PO) Nanoparticles Anchoring on Carbon Cloth. <i>Small</i> , <b>2019</b> , 15, e1902432	11	35
173	Ti Self-Doped Li Ti O Anchored on N-Doped Carbon Nanofiber Arrays for Ultrafast Lithium-Ion Storage. <i>Small</i> , <b>2019</b> , 15, e1905296	11	35
172	Synergistic Doping and Intercalation: Realizing Deep Phase Modulation on MoS <sub>2</sub> Arrays for High-Efficiency Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 16435-16442	3.6	13
171	High Capacity and Superior Rate Performances Coexisting in Carbon-Based Sodium-Ion Battery Anode. <i>Research</i> , <b>2019</b> , 2019, 6930294	7.8	7
170	Empowering Metal Phosphides Anode with Catalytic Attribute toward Superior Cyclability for Lithium-Ion Storage. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1809051	15.6	39
169	Self-supported VO <sub>2</sub> arrays decorated with N-doped carbon as an advanced cathode for lithium-ion storage. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 6644-6650	13	26



168	Bioinspired large-scale production of multidimensional high-rate anodes for both liquid & solid-state lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22958-22966	13	15
167	Porous Carbon Hosts for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 3710-3725	4.8	85
166	Enhancing the Capacitive Storage Performance of Carbon Fiber Textile by Surface and Structural Modulation for Advanced Flexible Asymmetric Supercapacitors. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806329	15.6	125
165	N-doped CoO nanowire arrays as efficient electrocatalysts for oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 37, 13-17	12	36
164	Exploring NiCo <sub>2</sub> S <sub>4</sub> nanosheets arrays by hydrothermal conversion for enhanced high-rate batteries. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 35, 132-137	12	20
163	In Situ Solid Electrolyte Interphase from Spray Quenching on Molten Li: A New Way to Construct High-Performance Lithium-Metal Anodes. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806470	24	101
162	Oxygen vacancy modulated Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29-x</sub> embedded onto porous bacterial cellulose carbon for highly efficient lithium ion storage. <i>Nano Energy</i> , <b>2019</b> , 58, 355-364	17.1	105
161	A novel durable double-conductive core-shell structure applying to the synthesis of silicon anode for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 384, 207-213	8.9	71
160	Enhanced electrochromic and energy storage performance in mesoporous WO film and its application in a bi-functional smart window. <i>Nanoscale</i> , <b>2018</b> , 10, 8162-8169	7.7	90
159	Pine-Needle-Like Cu-Co Skeleton Compositated with Li Ti O Forming Core-Branch Arrays for High-Rate Lithium Ion Storage. <i>Small</i> , <b>2018</b> , 14, e1704339	11	36
158	Prereduction of Metal Oxides via Carbon Plasma Treatment for Efficient and Stable Electrocatalytic Hydrogen Evolution. <i>Small</i> , <b>2018</b> , 14, e1800340	11	24
157	Metal-Embedded Porous Graphitic Carbon Fibers Fabricated from Bamboo Sticks as a Novel Cathode for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 13598-13605	9.5	44
156	Synthesis of hierarchical porous carbon from metal carbonates towards high-performance lithium storage. <i>Green Chemistry</i> , <b>2018</b> , 20, 1484-1490	10	28
155	Rational synthesis of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /N-C nanotube arrays as advanced high-rate electrodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 3857-3863	13	42
154	Graphene foam supported LiFePO <sub>4</sub> nanosheets composite as advanced cathode for lithium ion batteries. <i>Materials Research Bulletin</i> , <b>2018</b> , 101, 205-209	5.1	11
153	Toast-like porous carbon derived from one-step reduction of CaCO <sub>3</sub> for electrochemical lithium storage. <i>Carbon</i> , <b>2018</b> , 130, 559-565	10.4	20
152	Biofunctionalized "Kiwifruit-Assembly" of Oxidoreductases in Mesoporous ZnO/Carbon Nanoparticles for Efficient Asymmetric Catalysis. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705443	24	11
151	Graphene foam supported V <sub>2</sub> O <sub>5</sub> /N-C core/shell arrays as advanced cathode for lithium ion storage. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 735, 2022-2029	5.7	10

150	Hollow TiO@CoS Core-Branch Arrays as Bifunctional Electrocatalysts for Efficient Oxygen/Hydrogen Production. <i>Advanced Science</i> , <b>2018</b> , 5, 1700772	13.6	145
149	Confining Sulfur in Integrated Composite Scaffold with Highly Porous Carbon Fibers/Vanadium Nitride Arrays for High-Performance Lithium/Sulfur Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706391	15.6	258
148	Metal oxide nanoparticles induced step-edge nucleation of stable Li metal anode working under an ultrahigh current density of 15 mA cm <sup>2</sup> . <i>Nano Energy</i> , <b>2018</b> , 45, 203-209	17.1	120
147	Smart Construction of Integrated CNTs/LiTiO Core/Shell Arrays with Superior High-Rate Performance for Application in Lithium-Ion Batteries. <i>Advanced Science</i> , <b>2018</b> , 5, 1700786	13.6	118
146	A green and facile strategy for the low-temperature and rapid synthesis of Li <sub>2</sub> S@PCNT cathodes with high Li <sub>2</sub> S content for advanced LiS batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9906-9914	13	36
145	Large-scale synthesis of high-quality lithium-graphite hybrid anodes for mass-controllable and cycling-stable lithium metal batteries. <i>Energy Storage Materials</i> , <b>2018</b> , 15, 31-36	19.4	48
144	Enhanced sulfide chemisorption by conductive Al-doped ZnO decorated carbon nanoflakes for advanced LiS batteries. <i>Nano Research</i> , <b>2018</b> , 11, 477-489	10	33
143	Recent Developments of All-Solid-State Lithium Secondary Batteries with Sulfide Inorganic Electrolytes. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 6007-6018	4.8	36
142	Rationally Designed Silicon Nanostructures as Anode Material for Lithium-Ion Batteries. <i>Advanced Engineering Materials</i> , <b>2018</b> , 20, 1700591	3.5	72
141	Popcorn Inspired Porous Macrocellular Carbon: Rapid Puffing Fabrication from Rice and Its Applications in Lithium/Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701110	21.8	317
140	Integrated carbon nanospheres arrays as anode materials for boosted sodium ion storage. <i>Green Energy and Environment</i> , <b>2018</b> , 3, 50-55	5.7	13
139	Fe/N <sub>4</sub> Sites Embedded into Carbon Nanofiber Integrated with Electrochemically Exfoliated Graphene for Oxygen Evolution in Acidic Medium. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1801912	21.8	149
138	Boosting sodium ion storage by anchoring MoO <sub>2</sub> on vertical graphene arrays. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 15546-15552	13	98
137	StrawBrick-Like Carbon Fiber Cloth/Lithium Composite Electrode as an Advanced Lithium Metal Anode. <i>Small Methods</i> , <b>2018</b> , 2, 1800035	12.8	80
136	Transient Receptor Potential Channels and Chronic Airway Inflammatory Diseases: A Comprehensive Review. <i>Lung</i> , <b>2018</b> , 196, 505-516	2.9	8
135	Hierarchical MoS <sub>2</sub> /Carbon Composite Microspheres as Advanced Anodes for Lithium/Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11220-11226	4.8	49
134	Carbon nanotubes branch on cobalt oxide nanowires core as enhanced high-rate cathodes of alkaline batteries. <i>Ceramics International</i> , <b>2018</b> , 44, 16791-16798	5.1	6
133	Enhancing Ultrafast Lithium Ion Storage of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> by Tailored TiC/C Core/Shell Skeleton Plus Nitrogen Doping. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802756	15.6	118

132	Supercritical CO <sub>2</sub> mediated incorporation of sulfur into carbon matrix as cathode materials towards high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 212-222	13	34
131	Exploring hydrogen molybdenum bronze for sodium ion storage: Performance enhancement by vertical graphene core and conductive polymer shell. <i>Nano Energy</i> , <b>2018</b> , 44, 265-271	17.1	62
130	Biomass derived Ni(OH) <sub>2</sub> @porous carbon/sulfur composites synthesized by a novel sulfur impregnation strategy based on supercritical CO <sub>2</sub> technology for advanced Li-S batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 378, 73-80	8.9	75
129	3D TiC/C Core/Shell Nanowire Skeleton for Dendrite-Free and Long-Life Lithium Metal Anode. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702322	21.8	204
128	Vertical graphene/Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> /hydrogen molybdenum bronze composite arrays for enhanced lithium ion storage. <i>Energy Storage Materials</i> , <b>2018</b> , 12, 137-144	19.4	93
127	Facilitation of sulfur evolution reaction by pyridinic nitrogen doped carbon nanoflakes for highly-stable lithium-sulfur batteries. <i>Energy Storage Materials</i> , <b>2018</b> , 10, 1-9	19.4	157
126	Magnetic resonance imaging of patients with airway stents. <i>Journal of Thoracic Disease</i> , <b>2018</b> , 10, 5939-5945	2.45	1
125	Green and Low-Temperature Synthesis of Foam-like Hierarchical Porous Carbon from CO <sub>2</sub> as Superior Lithium Storage Material. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 7123-7129	6.1	14
124	Revisiting Scientific Issues for Industrial Applications of Lithium-Sulfur Batteries. <i>Energy and Environmental Materials</i> , <b>2018</b> , 1, 196-208	13	101
123	Sodium-Ion Batteries: C-Plasma of Hierarchical Graphene Survives SnS Bundles for Ultrastable and High Volumetric Na-Ion Storage (Adv. Mater. 49/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870380	24	2
122	Spore Carbon from Aspergillus Oryzae for Advanced Electrochemical Energy Storage. <i>Advanced Materials</i> , <b>2018</b> , 30, e1805165	24	103
121	Exploring Self-Healing Liquid Na-K Alloy for Dendrite-Free Electrochemical Energy Storage. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804011	24	82
120	A synergistic vertical graphene skeleton and Sn shell to construct high-performance TiNb <sub>2</sub> O <sub>7</sub> -based core/shell arrays. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 20195-20204	13	61
119	Oxygen Defect Modulated Titanium Niobium Oxide on Graphene Arrays: An Open-Door for High-Performance 1.4 V Symmetric Supercapacitor in Acidic Aqueous Electrolyte. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1805618	15.6	86
118	C-Plasma of Hierarchical Graphene Survives SnS Bundles for Ultrastable and High Volumetric Na-Ion Storage. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804833	24	98
117	Supercritical CO <sub>2</sub> -Fluid-Assisted Synthesis of TiO <sub>2</sub> Quantum Dots/Reduced Graphene Oxide Composites for Outstanding Sodium Storage Capability. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 7213-7219	6.1	10
116	Superior high-rate lithium-ion storage on Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> arrays via synergistic TiC/C skeleton and N-doped carbon shell. <i>Nano Energy</i> , <b>2018</b> , 54, 304-312	17.1	66
115	Oxygen Evolution: Fe/N <sub>4</sub> Sites Embedded into Carbon Nanofiber Integrated with Electrochemically Exfoliated Graphene for Oxygen Evolution in Acidic Medium (Adv. Energy Mater. 26/2018). <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1870119	21.8	2

114	Core-shell structure of porous silicon with nitrogen-doped carbon layer for lithium-ion batteries. <i>Materials Research Bulletin</i> , <b>2018</b> , 108, 170-175	5.1	15
113	Synthesis of carbon nanoflake/sulfur arrays as cathode materials of lithium-sulfur batteries. <i>Functional Materials Letters</i> , <b>2018</b> , 11, 1840001	1.2	7
112	Hollow metallic 1T MoS <sub>2</sub> arrays grown on carbon cloth: a freestanding electrode for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18318-18324	13	94
111	Phase Modulation of (1T-2H)-MoSe <sub>2</sub> /TiC-C Shell/Core Arrays via Nitrogen Doping for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802223	24	183
110	High-content of sulfur uniformly embedded in mesoporous carbon: a new electrodeposition synthesis and an outstanding lithium-sulfur battery cathode. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 5905-5911	13	35
109	Supercritical fluid assisted synthesis of titanium carbide particles embedded in mesoporous carbon for advanced Li-S batteries. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 706, 227-233	5.7	16
108	All-solid-state lithium-sulfur batteries based on a newly designed Li <sub>7</sub> P <sub>2.9</sub> Mn <sub>0.1</sub> S <sub>10.7</sub> O <sub>3</sub> superionic conductor. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 6310-6317	13	108
107	Tailored integrated electrodes of graphene foam supported FeS <sub>2</sub> as cathode for enhanced Li ion storage performance. <i>Materials Technology</i> , <b>2017</b> , 32, 888-892	2.1	8
106	Hybrid vertical graphene/lithium titanate/CNTs arrays for lithium ion storage with extraordinary performance. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8916-8921	13	66
105	Encapsulating silicon nanoparticles into mesoporous carbon forming pomegranate-structured microspheres as a high-performance anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11197-11203	13	133
104	3D lithium metal embedded within lithiophilic porous matrix for stable lithium metal batteries. <i>Nano Energy</i> , <b>2017</b> , 37, 177-186	17.1	334
103	Ultrafine Metal Nanoparticles/N-Doped Porous Carbon Hybrids Coated on Carbon Fibers as Flexible and Binder-Free Water Splitting Catalysts. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700220	21.8	126
102	Biomass-derived carbon/silicon three-dimensional hierarchical nanostructure as anode material for lithium ion batteries. <i>Materials Research Bulletin</i> , <b>2017</b> , 96, 340-346	5.1	29
101	Ionic conductivity promotion of polymer electrolyte with ionic liquid grafted oxides for all-solid-state lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12934-12942	13	98
100	Directional Construction of Vertical Nitrogen-Doped 1T-2H MoSe <sub>2</sub> /Graphene Shell/Core Nanoflake Arrays for Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700748	24	328
99	Exploring highly porous Co <sub>2</sub> P nanowire arrays for electrochemical energy storage. <i>Journal of Power Sources</i> , <b>2017</b> , 342, 964-969	8.9	33
98	Novel carbon channels from loofah sponge for construction of metal sulfide/carbon composites with robust electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 7578-7585	13	79
97	Tailored Li <sub>2</sub> S/B <sub>2</sub> S <sub>5</sub> glass-ceramic electrolyte by MoS <sub>2</sub> doping, possessing high ionic conductivity for all-solid-state lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 2829-2834	13	127

96	Natural biomass-derived carbons for electrochemical energy storage. <i>Materials Research Bulletin</i> , <b>2017</b> , 88, 234-241	5.1	103
95	Rational construction of a metal core for smart combination with Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> as integrated arrays with superior high-rate Li-ion storage performance. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1394-1399 <sup>13</sup>		61
94	Assembling Co <sub>9</sub> S <sub>8</sub> nanoflakes on Co <sub>3</sub> O <sub>4</sub> nanowires as advanced core/shell electrocatalysts for oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 1203-1209	12	38
93	Integration of Energy Harvesting and Electrochemical Storage Devices. <i>Advanced Materials Technologies</i> , <b>2017</b> , 2, 1700182	6.8	63
92	A 3D conductive network with high loading Li <sub>2</sub> S@C for high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 19358-19363	13	27
91	Hierarchical porous Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> nanospheres as superior anode materials for lithium ion storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 21134-21139	13	102
90	A Newly Designed Composite Gel Polymer Electrolyte Based on Poly(Vinylidene Fluoride-Hexafluoropropylene) (PVDF-HFP) for Enhanced Solid-State Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 15203-15209	4.8	82
89	Construction of All-Solid-State Batteries based on a Sulfur-Graphene Composite and Li Si P S Cl Solid Electrolyte. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 13950-13956	4.8	52
88	Construction of Nitrogen-Doped Carbon-Coated MoSe Microspheres with Enhanced Performance for Lithium Storage. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 12924-12929	4.8	33
87	H <sub>2</sub> O-induced self-propagating synthesis of hierarchical porous carbon: a promising lithium storage material with superior rate capability and ultra-long cycling life. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18221-18229	13	27
86	Performance Enhancement of a Sulfur/Carbon Cathode by Polydopamine as an Efficient Shell for High-Performance Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 10610-10615	4.8	16
85	Binder-free carbon fiber/TiNb <sub>2</sub> O <sub>7</sub> composite electrode as superior high-rate anode for lithium ions batteries. <i>Chinese Chemical Letters</i> , <b>2017</b> , 28, 2219-2222	8.1	19
84	Vertical-Aligned Li-S-Graphene Encapsulated within a Carbon Shell as a Free-Standing Cathode for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 11169-11174	4.8	24
83	Confining Sulfur in N-Doped Porous Carbon Microspheres Derived from Microalgae for Advanced Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23782-23791	9.5	115
82	All-solid-state electrochromic devices based on WO <sub>3</sub>   NiO films: material developments and future applications. <i>Science China Chemistry</i> , <b>2017</b> , 60, 3-12	7.9	59
81	Single-Crystalline, Metallic TiC Nanowires for Highly Robust and Wide-Temperature Electrochemical Energy Storage. <i>Small</i> , <b>2017</b> , 13, 1602742	11	73
80	Enhanced sulfide chemisorption using boron and oxygen dually doped multi-walled carbon nanotubes for advanced lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 632-640	13	129
79	Anti-IgE therapy as novel target for asthma-COPD overlap syndrome: More questions before celebration. <i>Journal of Asthma</i> , <b>2017</b> , 54, 113	1.9	2

78	Exploring Advanced Sandwiched Arrays by Vertical Graphene and N-Doped Carbon for Enhanced Sodium Storage. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601804	21.8	215
77	Carbon fiber-incorporated sulfur/carbon ternary cathode for lithium-sulfur batteries with enhanced performance. <i>Journal of Solid State Electrochemistry</i> , <b>2017</b> , 21, 1203-1210	2.6	20
76	Perovskite solar cell powered electrochromic batteries for smart windows. <i>Materials Horizons</i> , <b>2016</b> , 3, 588-595	14.4	118
75	Three-dimensional interconnected cobalt oxide-carbon hollow spheres arrays as cathode materials for hybrid batteries. <i>Progress in Natural Science: Materials International</i> , <b>2016</b> , 26, 253-257	3.6	6
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73	In situ confocal microscopic observation on inhibiting the dendrite formation of a-CN <sub>x</sub> /Li electrode. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 15597-15604	13	42
72	Transition Metal Carbides and Nitrides in Energy Storage and Conversion. <i>Advanced Science</i> , <b>2016</b> , 3, 1500286	13.6	762
71	Nitrogen-Doped Carbon Embedded MoS <sub>2</sub> Microspheres as Advanced Anodes for Lithium- and Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 11617-23	4.8	93
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69	Monolayer titanium carbide hollow sphere arrays formed via an atomic layer deposition assisted method and their excellent high-temperature supercapacitor performance. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18717-18722	13	58
68	A CNT cocoon on sodium manganate nanotubes forming a core/branch cathode coupled with a helical carbon nanofibre anode for enhanced sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11207-11213	13	80
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66	Self-supported Ni decorated NiO nanoflake arrays as promising cathode materials of hybrid batteries. <i>Materials Research Bulletin</i> , <b>2016</b> , 76, 113-117	5.1	29
65	Integrated reduced graphene oxide multilayer/Li composite anode for rechargeable lithium metal batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 11657-11664	3.7	25
64	Atomic-layer-deposited iron oxide on arrays of metal/carbon spheres and their application for electrocatalysis. <i>Nano Energy</i> , <b>2016</b> , 20, 244-253	17.1	58
63	Self-supported porous CoO semisphere arrays as binder-free electrodes for high-performance lithium ion batteries. <i>Materials Research Bulletin</i> , <b>2016</b> , 73, 125-129	5.1	22
62	Generic Synthesis of Carbon Nanotube Branches on Metal Oxide Arrays Exhibiting Stable High-Rate and Long-Cycle Sodium-Ion Storage. <i>Small</i> , <b>2016</b> , 12, 3048-58	11	377
61	Graphene oxide modified metallic lithium electrode and its electrochemical performances in lithium-sulfur full batteries and symmetric lithium-metal coin cells. <i>RSC Advances</i> , <b>2016</b> , 6, 66161-66168	3.7	22

60	Facile fabrication of integrated three-dimensional C-MoSe <sub>2</sub> /reduced graphene oxide composite with enhanced performance for sodium storage. <i>Nano Research</i> , <b>2016</b> , 9, 1618-1629	10	129
59	Fabrication of three-dimensional porous cobalt network-supported cobalt oxides nanoflake arrays for electrochemical energy storage. <i>Materials Technology</i> , <b>2016</b> , 31, 532-536	2.1	6
58	One-pot Biotemplate Synthesis of FeS <sub>2</sub> Decorated Sulfur-doped Carbon Fiber as High Capacity Anode for Lithium-ion Batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 209, 201-209	6.7	45
57	Supercritical fluid assisted biotemplating synthesis of SiO <sub>2</sub> microspheres from microalgae for advanced Li-ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 69764-69772	3.7	28
56	Carbon cloth/cobalt oxide integrated electrode as flexible cathode of alkaline batteries. <i>Materials Technology</i> , <b>2016</b> , 31, 492-496	2.1	2
55	Efficient oxygen reduction reaction using mesoporous Ni-doped Co <sub>3</sub> O <sub>4</sub> nanowire array electrocatalysts. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18372-18379	13	48
54	Sulfur synchronously electrodeposited onto exfoliated graphene sheets as a cathode material for advanced lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 16513-16519	13	35
53	Green and facile synthesis of Fe <sub>3</sub> O <sub>4</sub> and graphene nanocomposites with enhanced rate capability and cycling stability for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 16206-16212	13	47
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51	Tubular TiC fibre nanostructures as supercapacitor electrode materials with stable cycling life and wide-temperature performance. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 1559-1568	35.4	188
50	High-energy cathode materials for Li-ion batteries: A review of recent developments. <i>Science China Technological Sciences</i> , <b>2015</b> , 58, 1809-1828	3.5	56
49	Graphene quantum dots coated VO <sub>2</sub> arrays for highly durable electrodes for Li and Na ion batteries. <i>Nano Letters</i> , <b>2015</b> , 15, 565-73	11.5	417
48	Hybrid nanoarchitecture of rutile TiO <sub>2</sub> nanoneedle/graphene for advanced lithium-ion batteries. <i>Solid State Ionics</i> , <b>2015</b> , 269, 44-50	3.3	30
47	Synthesis of MnO/C composites derived from pollen template for advanced lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 152, 286-293	6.7	80
46	Novel Metal@Carbon Spheres Core/Shell Arrays by Controlled Self-Assembly of Carbon Nanospheres: A Stable and Flexible Supercapacitor Electrode. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1401709	21.8	129
45	VO <sub>2</sub> nanoflake arrays for supercapacitor and Li-ion battery electrodes: performance enhancement by hydrogen molybdenum bronze as an efficient shell material. <i>Materials Horizons</i> , <b>2015</b> , 2, 237-244	14.4	142
44	Controllable Synthesis of Copper Oxide/Carbon Core/Shell Nanowire Arrays and Their Application for Electrochemical Energy Storage. <i>Nanomaterials</i> , <b>2015</b> , 5, 1610-1619	5.4	10
43	TiC/NiO Core/Shell Nanoarchitecture with Battery-Capacitive Synchronous Lithium Storage for High-Performance Lithium-Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 11842-8	9.5	38

42	Construction of Co <sub>3</sub> O <sub>4</sub> nanotubes as high-performance anode material for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 160, 15-21	6.7	103
41	Evolution of transbronchial needle aspiration technique. <i>Journal of Thoracic Disease</i> , <b>2015</b> , 7, S224-30	2.6	2
40	Oxide nanostructures hyperbranched with thin and hollow metal shells for high-performance nanostructured battery electrodes. <i>Small</i> , <b>2014</b> , 10, 2419-28	11	35
39	Bio-inspired fabrication of carbon nanotiles for high performance cathode of LiB batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 2290-2296	13	91
38	Mesoporous Fe <sub>3</sub> O <sub>4</sub> @C submicrospheres evolved by a novel self-corrosion mechanism for high-performance lithium-ion batteries. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 2428-2434	3.6	31
37	Excess adenosine A <sub>2B</sub> receptor signaling contributes to priapism through HIF-1 $\alpha$ -mediated reduction of PDE5 gene expression. <i>FASEB Journal</i> , <b>2014</b> , 28, 2725-35	0.9	32
36	Biotemplated fabrication of Sn@C anode materials based on the unique metal biosorption behavior of microalgae. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 3696-702	9.5	61
35	Strong sulfur binding with conducting Magn $\beta$ -phase Ti(n)O <sub>2</sub> (n-1) nanomaterials for improving lithium-sulfur batteries. <i>Nano Letters</i> , <b>2014</b> , 14, 5288-94	11.5	579
34	A new type of porous graphite foams and their integrated composites with oxide/polymer core/shell nanowires for supercapacitors: structural design, fabrication, and full supercapacitor demonstrations. <i>Nano Letters</i> , <b>2014</b> , 14, 1651-8	11.5	395
33	A V <sub>2</sub> O <sub>5</sub> /conductive-polymer core/shell nanobelt array on three-dimensional graphite foam: a high-rate, ultrastable, and freestanding cathode for lithium-ion batteries. <i>Advanced Materials</i> , <b>2014</b> , 26, 5794-800	24	400
32	Mesoporous cobalt monoxide nanorods grown on reduced graphene oxide nanosheets with high lithium storage performance. <i>Electrochimica Acta</i> , <b>2014</b> , 138, 376-382	6.7	25
31	Solution synthesis of metal oxides for electrochemical energy storage applications. <i>Nanoscale</i> , <b>2014</b> , 6, 5008-48	7.7	321
30	Synthesis of boron carbide nanoflakes via a bamboo-based carbon thermal reduction method. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 581, 128-132	5.7	24
29	Green and facile fabrication of hollow porous MnO/C microspheres from microalgae for lithium-ion batteries. <i>ACS Nano</i> , <b>2013</b> , 7, 7083-92	16.7	462
28	Controllable growth of conducting polymers shell for constructing high-quality organic/inorganic core/shell nanostructures and their optical-electrochemical properties. <i>Nano Letters</i> , <b>2013</b> , 13, 4562-8	11.5	177
27	Highly mesoporous carbon foams synthesized by a facile, cost-effective and template-free Pechini method for advanced lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 3295	13	191
26	Fabrication of metal oxide nanobranches on atomic-layer-deposited TiO <sub>2</sub> nanotube arrays and their application in energy storage. <i>Nanoscale</i> , <b>2013</b> , 5, 6040-7	7.7	77
25	Template-free synthesis of hollow $\beta$ -Fe <sub>2</sub> O <sub>3</sub> microcubes for advanced lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2307-2312	13	62



24	Rationally Designed Hierarchical TiO <sub>2</sub> @Fe <sub>2</sub> O <sub>3</sub> Hollow Nanostructures for Improved Lithium Ion Storage. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 737-743	21.8	274
23	Hollow core-shell nanostructure supercapacitor electrodes: gap matters. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 9085	35.4	169
22	Co <sub>3</sub> O <sub>4</sub> core-shell nanowire array as an advanced anode material for lithium ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 15056		187
21	Integrated photoelectrochemical energy storage: solar hydrogen generation and supercapacitor. <i>Scientific Reports</i> , <b>2012</b> , 2, 981	4.9	75
20	Facile synthesis of single-crystalline mesoporous Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>3</sub> O <sub>4</sub> nanorods as anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 20566		141
19	Highly efficient electrolytic exfoliation of graphite into graphene sheets based on Li ions intercalation-expansion-microexplosion mechanism. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 10452		92
18	Hydrothermal synthesized porous Co(OH) <sub>2</sub> nanoflake film for supercapacitor application. <i>Science Bulletin</i> , <b>2012</b> , 57, 4215-4219		30
17	High-quality metal oxide core/shell nanowire arrays on conductive substrates for electrochemical energy storage. <i>ACS Nano</i> , <b>2012</b> , 6, 5531-8	16.7	897
16	Freestanding Co <sub>3</sub> O <sub>4</sub> nanowire array for high performance supercapacitors. <i>RSC Advances</i> , <b>2012</b> , 2, 1835-3.7	3.7	366
15	Biotemplated fabrication of hierarchically porous NiO/C composite from lotus pollen grains for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 9209		215
14	Self-supported hydrothermal synthesized hollow Co <sub>3</sub> O <sub>4</sub> nanowire arrays with high supercapacitor capacitance. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 9319		614
13	Hierarchically porous NiO film grown by chemical bath deposition via a colloidal crystal template as an electrochemical pseudocapacitor material. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 671-679		259
12	Hydrothermally synthesized WO <sub>3</sub> nanowire arrays with highly improved electrochromic performance. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 5492		231
11	Multicolor electrochromic polyaniline/WO <sub>3</sub> hybrid thin films: One-pot molecular assembling synthesis. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 17316		121
10	Microstructure and infrared reflectance modulation properties in DC-sputtered tungsten oxide films. <i>Journal of Solid State Electrochemistry</i> , <b>2011</b> , 15, 2213-2219	2.6	25
9	Graphene sheet/porous NiO hybrid film for supercapacitor applications. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 10898-905	4.8	246
8	Mesoporous Co <sub>3</sub> O <sub>4</sub> monolayer hollow-sphere array as electrochemical pseudocapacitor material. <i>Chemical Communications</i> , <b>2011</b> , 47, 5786-8	5.8	288
7	Biotemplating of phosphate hierarchical rechargeable LiFePO <sub>4</sub> /C spirulina microstructures. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6498		63

6	Growth of and methanol electro-oxidation by gold nanowires with high density stacking faults. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 4843		32
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3	Recent advance on Co-based materials for polysulfide catalysis toward promoted lithium-sulfur batteries. <i>Nano Select</i> ,	3.1	0
2	LiBr $\square$ iF-Rich SolidElectrolyte Interface Layer on Lithiophilic 3D Framework for Enhanced Lithium Metal Anode. <i>Small Structures</i> ,2200010	8.7	4
1	The Development Trend of Graphene Derivatives. <i>Journal of Electronic Materials</i> ,	1.9	2