

Jiang-ping Tu

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.

184
papers

14,232
citations

68
h-index

115
g-index

188
ext. papers

16,608
ext. citations

11.2
avg, IF

6.93
L-index

#	Paper	IF	Citations
184	Ionic Liquid-Impregnated ZIF-8/Polypropylene Solid-like Electrolyte for Dendrite-free Lithium-Metal Batteries.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	7
183	Integrating a 3D porous carbon fiber network containing cobalt with artificial solid electrolyte interphase to consummate advanced electrodes for lithium-sulfur batteries. <i>Materials Today Energy</i> , 2022 , 24, 100930	7	2
182	A deformable dual-layer interphase for high-performance Li ₁₀ GeP ₂ S ₁₂ -based solid-state Li metal batteries. <i>Chemical Engineering Journal</i> , 2022 , 431, 134019	14.7	3
181	Structure, mechanical properties and tribological behavior of sp ² -C:Ti/sp ³ -C:Ti multilayer films deposited by magnetron sputtering. <i>Diamond and Related Materials</i> , 2022 , 125, 108963	3.5	0
180	Stabilizing the interphase between Li and Argyrodite electrolyte through synergistic phosphating process for all-solid-state lithium batteries. <i>Nano Energy</i> , 2022 , 96, 107104	17.1	3
179	Multifunctional Hyphae Carbon Powering Lithium Sulfur Batteries. <i>Advanced Materials</i> , 2021 , e2107415	24	15
178	Ultrafast Synthesis of I-Rich Lithium Argyrodite Glass-Ceramic Electrolyte with High Ionic Conductivity. <i>Advanced Materials</i> , 2021 , e2107346	24	5
177	Co-construction of advanced sulfur host by implanting titanium carbide into <i>Aspergillus niger</i> spore carbon. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	3
176	Optimizing quasi-solid-state sodium storage performance of Na ₃ V ₂ (PO ₄) ₂ F _{2.5} O _{0.5} cathode by structural design plus nitrogen doping. <i>Chemical Engineering Journal</i> , 2021 , 433, 133557	14.7	1
175	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> , 2021 , 17, e2103830	11	4
174	Sodium-storage behavior of electron-rich element-doped amorphous carbon. <i>Applied Physics Reviews</i> , 2021 , 8, 011402	17.3	8
173	Fluorinated Interface Layer with Embedded Zinc Nanoparticles for Stable Lithium-Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 17690-17698	9.5	2
172	Porous Composite Gel Polymer Electrolyte with Interfacial Transport Pathways for Flexible Quasi Solid Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 23743-23750	9.5	4
171	A Stretchable and Safe Polymer Electrolyte with a Protecting-Layer Strategy for Solid-State Lithium Metal Batteries. <i>Advanced Science</i> , 2021 , 8, 2003241	13.6	16
170	Robust LiPSI Interlayer to Stabilize the Tailored Electrolyte LiSnPSF/Li Metal Interface. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30739-30745	9.5	3
169	An Inorganic-Rich Solid Electrolyte Interphase for Advanced Lithium-Metal Batteries in Carbonate Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3661-3671	16.4	103
168	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> , 2021 , 31, 2006380	15.6	19

167	Nitrogen doped vertical graphene as metal-free electrocatalyst for hydrogen evolution reaction. <i>Materials Research Bulletin</i> , 2021 , 134, 111094	5.1	12
166	Recent progress on the phase modulation of molybdenum disulphide/diselenide and their applications in electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 1418-1428	13	12
165	An Inorganic-Rich Solid Electrolyte Interphase for Advanced Lithium-Metal Batteries in Carbonate Electrolytes. <i>Angewandte Chemie</i> , 2021 , 133, 3705-3715	3.6	17
164	In situ formation of a Li ₃ N-rich interface between lithium and argyrodite solid electrolyte enabled by nitrogen doping. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 13531-13539	13	15
163	Porous Polyamide Skeleton-Reinforced Solid-State Electrolyte: Enhanced Flexibility, Safety, and Electrochemical Performance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 11018-11025	9.5	11
162	A Powerful One-Step Puffing Carbonization Method for Construction of Versatile Carbon Composites with High-Efficiency Energy Storage. <i>Advanced Materials</i> , 2021 , 33, e2102796	24	18
161	A Versatile Li _{6.5} In _{0.25} P _{0.75} S ₅ I Sulfide Electrolyte Triggered by Ultimate-Energy Mechanical Alloying for All-Solid-State Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2101521	21.8	8
160	A Brief Review on Solid Electrolyte Interphase Composition Characterization Technology for Lithium Metal Batteries: Challenges and Perspectives. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 19060-19080	3.8	42
159	Heterovalent Cation Substitution to Enhance the Ionic Conductivity of Halide Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 47610-47618	9.5	4
158	Building superior layered oxide cathode via rational surface engineering for both liquid & solid-state sodium ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 421, 127788	14.7	5
157	High-performance Na ₃ V ₂ (PO ₄) ₂ F _{2.5} O _{0.5} cathode: Hybrid reaction mechanism study via ex-situ XRD and sodium storage properties in solid-state batteries. <i>Chemical Engineering Journal</i> , 2021 , 423, 130310	14.7	3
156	High Performance Single-Crystal Ni-Rich Cathode Modification via Crystalline LLTO Nanocoating for All-Solid-State Lithium Batteries.. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	4
155	Electrode Design for Lithium Sulfur Batteries: Problems and Solutions. <i>Advanced Functional Materials</i> , 2020 , 30, 1910375	15.6	109
154	Formation and Evaluation of a Deep Eutectic Solvent Conversion Film on Biodegradable Magnesium Alloy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 33315-33324	9.5	11
153	Introducing Oxygen Defects into Phosphate Ions Intercalated Manganese Dioxide/Vertical Multilayer Graphene Arrays to Boost Flexible Zinc Ion Storage. <i>Small Methods</i> , 2020 , 4, 1900828	12.8	69
152	Synergy of Ion Doping and Spiral Array Architecture on Ti ₂ Nb ₁₀ O ₂₉ : A New Way to Achieve High-Power Electrodes. <i>Advanced Functional Materials</i> , 2020 , 30, 2002665	15.6	24
151	A highly ion-conductive three-dimensional LLZAO-PEO/LiTFSI solid electrolyte for high-performance solid-state batteries. <i>Chemical Engineering Journal</i> , 2020 , 394, 124993	14.7	42
150	High Interfacial-Energy Interphase Promoting Safe Lithium Metal Batteries. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2438-2447	16.4	93

149	Boosting fast energy storage by synergistic engineering of carbon and deficiency. <i>Nature Communications</i> , 2020 , 11, 132	17.4	61
148	Coupling a Sponge Metal Fibers Skeleton with In Situ Surface Engineering to Achieve Advanced Electrodes for Flexible Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2020 , 32, e2003657	24	45
147	Improved Ionic Conductivity and Li Dendrite Suppression Capability toward LiPS-Based Solid Electrolytes Triggered by Nb and O Cosubstitution. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 54662-54670	9.5	17
146	Potassium Hexafluorophosphate Additive Enables Stable Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 56017-56026	9.5	14
145	Anchoring SnS on TiC/C Backbone to Promote Sodium Ion Storage by Phosphate Ion Doping. <i>Small</i> , 2020 , 16, e2004072	11	21
144	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 & Interfaces</i> , 2020 , 12, 41477-41484	9.5	8
143	Hydrophobic epoxy resin coating with ionic liquid conversion pretreatment on magnesium alloy for promoting corrosion resistance. <i>Journal of Materials Science and Technology</i> , 2020 , 37, 9-18	9.1	31
142	Popcorn-like niobium oxide with cloned hierarchical architecture as advanced anode for solid-state lithium ion batteries. <i>Energy Storage Materials</i> , 2020 , 25, 695-701	19.4	12
141	Oxygen defect boosted N-doped Ti ₂ Nb ₁₀ O ₂₉ anchored on core-branch carbon skeleton for both high-rate liquid & solid-state lithium ion batteries. <i>Energy Storage Materials</i> , 2020 , 25, 555-562	19.4	39
140	Construction of 1T-MoSe /TiC@C Branch-Core Arrays as Advanced Anodes for Enhanced Sodium Ion Storage. <i>ChemSusChem</i> , 2020 , 13, 1575-1581	8.3	17
139	TiC/C core/shell nanowires arrays as advanced anode of sodium ion batteries. <i>Chinese Chemical Letters</i> , 2020 , 31, 846-850	8.1	10
138	Bacterium, Fungus, and Virus Microorganisms for Energy Storage and Conversion. <i>Small Methods</i> , 2019 , 3, 1900596	12.8	59
137	Ordered lithiophilic sites to regulate Li plating/stripping behavior for superior lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21794-21801	13	49
136	Directional construction of Cu ₂ S branch arrays for advanced oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2019 , 39, 61-67	12	30
135	Rational construction of cross-linked porous nickel arrays for efficient oxygen evolution reaction. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 1063-1069	11.3	5
134	Coupled Biphasic (1T-2H)-MoSe on Mold Spore Carbon for Advanced Hydrogen Evolution Reaction. <i>Small</i> , 2019 , 15, e1901796	11	54
133	SnO Nanoflake Arrays Coated with Polypyrrole on a Carbon Cloth as Flexible Anodes for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24198-24204	9.5	60
132	Molybdenum Selenide Electrocatalysts for Electrochemical Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2019 , 6, 3530-3548	4.3	42

131	A multicolor electrochromic film based on a SnO ₂ /V ₂ O ₅ core/shell structure for adaptive camouflage. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5702-5709	7.1	33
130	Implanting Niobium Carbide into Trichoderma Spore Carbon: a New Advanced Host for Sulfur Cathodes. <i>Advanced Materials</i> , 2019 , 31, e1900009	24	132
129	Enhancement of the advanced Na storage performance of Na ₃ V ₂ (PO ₄) ₃ in a symmetric sodium full cell via a dual strategy design. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10231-10238	13	32
128	Nitrogen-Doped Sponge Ni Fibers as Highly Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>Nano-Micro Letters</i> , 2019 , 11, 21	19.5	46
127	Cathode-Supported All-Solid-State Lithium-Sulfur Batteries with High Cell-Level Energy Density. <i>ACS Energy Letters</i> , 2019 , 4, 1073-1079	20.1	86
126	Polypyrrole-Coated Sodium Manganate Hollow Microspheres as a Superior Cathode for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15630-15637	9.5	21
125	Multiscale Graphene-Based Materials for Applications in Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1803342	21.8	146
124	High-Index-Faceted NiS Branch Arrays as Bifunctional Electrocatalysts for Efficient Water Splitting. <i>Nano-Micro Letters</i> , 2019 , 11, 12	19.5	50
123	In vitro and in vivo investigations of a-C/a-C:Ti nanomultilayer coated Ti6Al4V alloy as artificial femoral head. <i>Materials Science and Engineering C</i> , 2019 , 99, 816-826	8.3	8
122	Bi-containing Electrolyte Enables Robust and Li Ion Conductive Solid Electrolyte Interphase for Advanced Lithium Metal Anodes. <i>Frontiers in Chemistry</i> , 2019 , 7, 952	5	7
121	Synergistic Doping and Intercalation: Realizing Deep Phase Modulation on MoS Arrays for High-Efficiency Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16289-16296	16.4	113
120	Defect Promoted Capacity and Durability of N-MnO Branch Arrays via Low-Temperature NH ₃ Treatment for Advanced Aqueous Zinc Ion Batteries. <i>Small</i> , 2019 , 15, e1905452	11	103
119	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> , 2019 , 15, e1904433	11	10
118	Boosting High-Rate Sodium Storage Performance of N-Doped Carbon-Encapsulated Na V (PO) ₄ Nanoparticles Anchoring on Carbon Cloth. <i>Small</i> , 2019 , 15, e1902432	11	35
117	Ti Self-Doped Li Ti O Anchored on N-Doped Carbon Nanofiber Arrays for Ultrafast Lithium-Ion Storage. <i>Small</i> , 2019 , 15, e1905296	11	35
116	High Capacity and Superior Rate Performances Coexisting in Carbon-Based Sodium-Ion Battery Anode. <i>Research</i> , 2019 , 2019, 6930294	7.8	7
115	Bioinspired large-scale production of multidimensional high-rate anodes for both liquid & solid-state lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 22958-22966	13	15
114	Porous Carbon Hosts for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2019 , 25, 3710-3725	4.8	85

113	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> , 2019 , 31, e1806470	24	101
112	Oxygen vacancy modulated Ti ₂ Nb ₁₀ O _{29-x} embedded onto porous bacterial cellulose carbon for highly efficient lithium ion storage. <i>Nano Energy</i> , 2019 , 58, 355-364	17.1	105
111	A black conversion coating produced by hot corrosion of magnesium with deep eutectic solvent membrane. <i>Surface and Coatings Technology</i> , 2019 , 357, 833-840	4.4	10
110	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> , 2018 , 384, 207-213	8.9	71
109	Enhanced electrochromic and energy storage performance in mesoporous WO film and its application in a bi-functional smart window. <i>Nanoscale</i> , 2018 , 10, 8162-8169	7.7	90
108	Pine-Needle-Like Cu-Co Skeleton Compositing with Li Ti O Forming Core-Branch Arrays for High-Rate Lithium Ion Storage. <i>Small</i> , 2018 , 14, e1704339	11	36
107	Fabrication and corrosion property of conversion films on magnesium alloy from deep eutectic solvent. <i>Surface and Coatings Technology</i> , 2018 , 344, 702-709	4.4	20
106	Metal-Embedded Porous Graphitic Carbon Fibers Fabricated from Bamboo Sticks as a Novel Cathode for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 13598-13605	9.5	44
105	Hollow TiO@CoS Core-Branch Arrays as Bifunctional Electrocatalysts for Efficient Oxygen/Hydrogen Production. <i>Advanced Science</i> , 2018 , 5, 1700772	13.6	145
104	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> , 2018 , 28, 1706391	15.6	258
103	Smart Construction of Integrated CNTs/LiTiO Core/Shell Arrays with Superior High-Rate Performance for Application in Lithium-Ion Batteries. <i>Advanced Science</i> , 2018 , 5, 1700786	13.6	118
102	Pseudocapacitive material with 928 mAh cm ³ particle-level volumetric specific capacity enabled by continuous phase-transition. <i>Chemical Engineering Journal</i> , 2018 , 338, 211-217	14.7	15
101	Hierarchical MoS ₂ @Polypyrrole core-shell microspheres with enhanced electrochemical performances for lithium storage. <i>Electrochimica Acta</i> , 2018 , 269, 632-639	6.7	26
100	Large-scale synthesis of high-quality lithium-graphite hybrid anodes for mass-controllable and cycling-stable lithium metal batteries. <i>Energy Storage Materials</i> , 2018 , 15, 31-36	19.4	48
99	Recent Developments of All-Solid-State Lithium Secondary Batteries with Sulfide Inorganic Electrolytes. <i>Chemistry - A European Journal</i> , 2018 , 24, 6007-6018	4.8	36
98	Rationally Designed Silicon Nanostructures as Anode Material for Lithium-Ion Batteries. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700591	3.5	72
97	Popcorn Inspired Porous Macrocellular Carbon: Rapid Puffing Fabrication from Rice and Its Applications in Lithium/Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1701110	21.8	317
96	Integrated carbon nanospheres arrays as anode materials for boosted sodium ion storage. <i>Green Energy and Environment</i> , 2018 , 3, 50-55	5.7	13

95	Boosting sodium ion storage by anchoring MoO ₂ on vertical graphene arrays. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15546-15552	13	98
94	Straw-Brick-Like Carbon Fiber Cloth/Lithium Composite Electrode as an Advanced Lithium Metal Anode. <i>Small Methods</i> , 2018 , 2, 1800035	12.8	80
93	Hierarchical MoS ₂ /Carbon Composite Microspheres as Advanced Anodes for Lithium/Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2018 , 24, 11220-11226	4.8	49
92	Enhancing Ultrafast Lithium Ion Storage of Li ₄ Ti ₅ O ₁₂ by Tailored TiC/C Core/Shell Skeleton Plus Nitrogen Doping. <i>Advanced Functional Materials</i> , 2018 , 28, 1802756	15.6	118
91	Exploring hydrogen molybdenum bronze for sodium ion storage: Performance enhancement by vertical graphene core and conductive polymer shell. <i>Nano Energy</i> , 2018 , 44, 265-271	17.1	62
90	3D TiC/C Core/Shell Nanowire Skeleton for Dendrite-Free and Long-Life Lithium Metal Anode. <i>Advanced Energy Materials</i> , 2018 , 8, 1702322	21.8	204
89	Vertical graphene/Ti ₂ Nb ₁₀ O ₂₉ /hydrogen molybdenum bronze composite arrays for enhanced lithium ion storage. <i>Energy Storage Materials</i> , 2018 , 12, 137-144	19.4	93
88	Revisiting Scientific Issues for Industrial Applications of Lithium-Sulfur Batteries. <i>Energy and Environmental Materials</i> , 2018 , 1, 196-208	13	101
87	Spore Carbon from <i>Aspergillus Oryzae</i> for Advanced Electrochemical Energy Storage. <i>Advanced Materials</i> , 2018 , 30, e1805165	24	103
86	Interface engineering of sulfide electrolytes for all-solid-state lithium batteries. <i>Nano Energy</i> , 2018 , 53, 958-966	17.1	133
85	A synergistic vertical graphene skeleton and SiO ₂ shell to construct high-performance TiNb ₂ O ₇ -based core/shell arrays. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20195-20204	13	61
84	Superior high-rate lithium-ion storage on Ti ₂ Nb ₁₀ O ₂₉ arrays via synergistic TiC/C skeleton and N-doped carbon shell. <i>Nano Energy</i> , 2018 , 54, 304-312	17.1	66
83	Core-shell structure of porous silicon with nitrogen-doped carbon layer for lithium-ion batteries. <i>Materials Research Bulletin</i> , 2018 , 108, 170-175	5.1	15
82	Hollow metallic 1T MoS ₂ arrays grown on carbon cloth: a freestanding electrode for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18318-18324	13	94
81	Phase Modulation of (1T-2H)-MoSe ₂ /TiC-C Shell/Core Arrays via Nitrogen Doping for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2018 , 30, e1802223	24	183
80	Robust Slippery Coating with Superior Corrosion Resistance and Anti-Icing Performance for AZ31B Mg Alloy Protection. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11247-11257	9.5	174
79	All-solid-state lithium-sulfur batteries based on a newly designed Li ₇ P ₂ .9Mn _{0.1} S ₁₀ .7I _{0.3} superionic conductor. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6310-6317	13	108
78	Hybrid vertical graphene/lithium titanate@CNTs arrays for lithium ion storage with extraordinary performance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8916-8921	13	66

77	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> , 2017 , 5, 11197-11203	13	133
76	Mechanical Properties and in Vitro and in Vivo Biocompatibility of a-C/a-C:Ti Nanomultilayer Films on Ti6Al4V Alloy as Medical Implants. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15933-15942	9.5	26
75	Directional Construction of Vertical Nitrogen-Doped 1T-2H MoSe ₂ /Graphene Shell/Core Nanoflake Arrays for Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2017 , 29, 1700748	24	328
74	Deep eutectic solvents (DESs)-derived advanced functional materials for energy and environmental applications: challenges, opportunities, and future vision. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8209-8229	13	174
73	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> , 2017 , 5, 7578-7585	13	79
72	Tailored Li ₂ S@P ₂ S ₅ glass-ceramic electrolyte by MoS ₂ doping, possessing high ionic conductivity for all-solid-state lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2829-2834	13	127
71	Natural biomass-derived carbons for electrochemical energy storage. <i>Materials Research Bulletin</i> , 2017 , 88, 234-241	5.1	103
70	Rational construction of a metal core for smart combination with Li ₄ Ti ₅ O ₁₂ as integrated arrays with superior high-rate Li-ion storage performance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1394-1399	13	61
69	Assembling Co ₉ S ₈ nanoflakes on Co ₃ O ₄ nanowires as advanced core/shell electrocatalysts for oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2017 , 26, 1203-1209	12	38
68	Integration of Energy Harvesting and Electrochemical Storage Devices. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700182	6.8	63
67	A 3D conductive network with high loading Li ₂ S@C for high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19358-19363	13	27
66	Hierarchical porous Ti ₂ Nb ₁₀ O ₂₉ nanospheres as superior anode materials for lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21134-21139	13	102
65	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> , 2017 , 23, 15203-15209	4.8	82
64	Construction of All-Solid-State Batteries based on a Sulfur-Graphene Composite and Li ₂ S@P ₂ S ₅ Solid Electrolyte. <i>Chemistry - A European Journal</i> , 2017 , 23, 13950-13956	4.8	52
63	Construction of Nitrogen-Doped Carbon-Coated MoSe ₂ Microspheres with Enhanced Performance for Lithium Storage. <i>Chemistry - A European Journal</i> , 2017 , 23, 12924-12929	4.8	33
62	Anchoring Ni ₂ P Sheets on NiCo ₂ O ₄ Nanocone Arrays as Optimized Bifunctional Electrocatalyst for Water Splitting. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700481	4.6	45
61	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> , 2017 , 23, 10610-10615	4.8	16
60	Binder-free carbon fiber/TiNb ₂ O ₇ composite electrode as superior high-rate anode for lithium ions batteries. <i>Chinese Chemical Letters</i> , 2017 , 28, 2219-2222	8.1	19

59	All-solid-state electrochromic devices based on WO ₃ NiO films: material developments and future applications. <i>Science China Chemistry</i> , 2017 , 60, 3-12	7.9	59
58	Exploring Advanced Sandwiched Arrays by Vertical Graphene and N-Doped Carbon for Enhanced Sodium Storage. <i>Advanced Energy Materials</i> , 2017 , 7, 1601804	21.8	215
57	Carbon fiber-incorporated sulfur/carbon ternary cathode for lithium-sulfur batteries with enhanced performance. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 1203-1210	2.6	20
56	Perovskite solar cell powered electrochromic batteries for smart windows. <i>Materials Horizons</i> , 2016 , 3, 588-595	14.4	118
55	Facile and scalable synthesis of nanosized core-shell Li ₂ S@C composite for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16653-16660	13	24
54	In situ confocal microscopic observation on inhibiting the dendrite formation of a-CN _x /Li electrode. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15597-15604	13	42
53	Transition Metal Carbides and Nitrides in Energy Storage and Conversion. <i>Advanced Science</i> , 2016 , 3, 1500286	13.6	762
52	Nitrogen-Doped Carbon Embedded MoS ₂ Microspheres as Advanced Anodes for Lithium- and Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2016 , 22, 11617-23	4.8	93
51	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> , 2016 , 4, 18717-18722	13	58
50	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> , 2016 , 4, 11207-11213	13	80
49	Integrated reduced graphene oxide multilayer/Li composite anode for rechargeable lithium metal batteries. <i>RSC Advances</i> , 2016 , 6, 11657-11664	3.7	25
48	Periodic stacking of 2D charged sheets: Self-assembled superlattice of NiAl layered double hydroxide (LDH) and reduced graphene oxide. <i>Nano Energy</i> , 2016 , 20, 185-193	17.1	162
47	Atomic-layer-deposited iron oxide on arrays of metal/carbon spheres and their application for electrocatalysis. <i>Nano Energy</i> , 2016 , 20, 244-253	17.1	58
46	A Smart Superhydrophobic Coating on AZ31B Magnesium Alloy with Self-Healing Effect. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500694	4.6	40
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