

Jiangping Tu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4619143/publications.pdf>

Version: 2024-02-01

132
papers

10,791
citations

15466

65
h-index

32761

100
g-index

132
all docs

132
docs citations

132
times ranked

10365
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	10.2	361
2	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.	7.8	350
3	Graphene Sheet/Porous NiO Hybrid Film for Supercapacitor Applications. <i>Chemistry - A European Journal</i> , 2011, 17, 10898-10905.	1.7	266
4	Exploring Advanced Sandwiched Arrays by Vertical Graphene and N-Doped Carbon for Enhanced Sodium Storage. <i>Advanced Energy Materials</i> , 2017, 7, 1601804.	10.2	243
5	3D TiC/C Core/Shell Nanowire Skeleton for Dendrite-Free and Long-Life Lithium Metal Anode. <i>Advanced Energy Materials</i> , 2018, 8, 1702322.	10.2	237
6	Interface engineering of sulfide electrolytes for all-solid-state lithium batteries. <i>Nano Energy</i> , 2018, 53, 958-966.	8.2	227
7	Multiscale Graphene-Based Materials for Applications in Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1803342.	10.2	215
8	Electrode Design for Lithium-Sulfur Batteries: Problems and Solutions. <i>Advanced Functional Materials</i> , 2020, 30, 1910375.	7.8	206
9	Controllable Growth of Conducting Polymers Shell for Constructing High-Quality Organic/Inorganic Core/Shell Nanostructures and Their Optical-Electrochemical Properties. <i>Nano Letters</i> , 2013, 13, 4562-4568.	4.5	197
10	High Interfacial-Energy Interphase Promoting Safe Lithium Metal Batteries. <i>Journal of the American Chemical Society</i> , 2020, 142, 2438-2447.	6.6	195
11	An ex-situ nitridation route to synthesize Li ₃ N-modified Li anodes for lithium secondary batteries. <i>Journal of Power Sources</i> , 2015, 277, 304-311.	4.0	174
12	Spinel Manganese-Nickel-Cobalt Ternary Oxide Nanowire Array for High-Performance Electrochemical Capacitor Applications. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18040-18047.	4.0	172
13	An all-solid-state electrochromic device based on NiO/WO ₃ complementary structure and solid hybrid polyelectrolyte. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 1840-1845.	3.0	170
14	Implanting Niobium Carbide into Trichoderma Spore Carbon: a New Advanced Host for Sulfur Cathodes. <i>Advanced Materials</i> , 2019, 31, e1900009.	11.1	168
15	Sulfur/three-dimensional graphene composite for high performance lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2015, 275, 22-25.	4.0	155
16	Facile fabrication of integrated three-dimensional C-MoSe ₂ /reduced graphene oxide composite with enhanced performance for sodium storage. <i>Nano Research</i> , 2016, 9, 1618-1629.	5.8	152
17	Perovskite solar cell powered electrochromic batteries for smart windows. <i>Materials Horizons</i> , 2016, 3, 588-595.	6.4	148
18	Natural biomass-derived carbons for electrochemical energy storage. <i>Materials Research Bulletin</i> , 2017, 88, 234-241.	2.7	146

#	ARTICLE	IF	CITATIONS
19	Smart Construction of Integrated CNTs/Li ₄ Ti ₅ O ₁₂ Core/Shell Arrays with Superior High-Rate Performance for Application in Lithium-Ion Batteries. <i>Advanced Science</i> , 2018, 5, 1700786.	5.6	146
20	Preparation of Li ₇ P ₃ S ₁₁ glass-ceramic electrolyte by dissolution-evaporation method for all-solid-state lithium ion batteries. <i>Electrochimica Acta</i> , 2016, 219, 235-240.	2.6	145
21	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.	7.8	145
22	Electrochromic behavior of WO ₃ nanotree films prepared by hydrothermal oxidation. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 2107-2112.	3.0	141
23	Porous reduced graphene oxide sheet wrapped silicon composite fabricated by steam etching for lithium-ion battery application. <i>Journal of Power Sources</i> , 2015, 286, 431-437.	4.0	141
24	Porous Carbon Hosts for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2019, 25, 3710-3725.	1.7	136
25	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.	11.1	133
26	Dual electrochromic film based on WO ₃ /polyaniline core/shell nanowire array. <i>Solar Energy Materials and Solar Cells</i> , 2014, 122, 51-58.	3.0	121
27	Boosting sodium ion storage by anchoring MoO ₂ on vertical graphene arrays. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15546-15552.	5.2	118
28	A Newly Designed Composite Gel Polymer Electrolyte Based on Poly(Vinylidene Fluoride)-Hexafluoropropylene (PVDF-HFP) / Overlock 10 Tf 50 387 Td (Fluoride) - A European Journal, 2017, 23, 15203-15209.	1.7	117
29	Anchoring MnO ₂ on nitrogen-doped porous carbon nanosheets as flexible arrays cathodes for advanced rechargeable Zn-MnO ₂ batteries. <i>Energy Storage Materials</i> , 2020, 29, 52-59.	9.5	117
30	A poly (vinylidene fluoride-hexafluoropropylene) based three-dimensional network gel polymer electrolyte for solid-state lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2019, 358, 1047-1053.	6.6	116
31	Efficient electrochromic materials based on TiO ₂ @WO ₃ core/shell nanorod arrays. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 231-238.	3.0	114
32	Growth of vertically aligned hierarchical WO ₃ nano-architecture arrays on transparent conducting substrates with outstanding electrochromic performance. <i>Solar Energy Materials and Solar Cells</i> , 2014, 124, 103-110.	3.0	114
33	Exploring Self-Healing Liquid Na-K Alloy for Dendrite-Free Electrochemical Energy Storage. <i>Advanced Materials</i> , 2018, 30, e1804011.	11.1	112
34	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.	5.2	111
35	NiO nanoflakes grown on porous graphene frameworks as advanced electrochemical pseudocapacitor materials. <i>Journal of Power Sources</i> , 2014, 259, 98-105.	4.0	106
36	Sulfur nanocrystals anchored graphene composite with highly improved electrochemical performance for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2014, 270, 1-8.	4.0	106

#	ARTICLE	IF	CITATIONS
37	Nitrogen-doped carbon shell on metal oxides core arrays as enhanced anode for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2016, 688, 729-735.	2.8	106
38	Straw-Brick-Like Carbon Fiber Cloth/Lithium Composite Electrode as an Advanced Lithium Metal Anode. <i>Small Methods</i> , 2018, 2, 1800035.	4.6	106
39	Nitrogen-Doped Carbon Embedded MoS ₂ Microspheres as Advanced Anodes for Lithium and Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2016, 22, 11617-11623.	1.7	104
40	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.	9.5	103
41	Rationally Designed Silicon Nanostructures as Anode Material for Lithium-Ion Batteries. <i>Advanced Engineering Materials</i> , 2018, 20, 1700591.	1.6	97
42	Interfacial challenges and progress for inorganic all-solid-state lithium batteries. <i>Electrochimica Acta</i> , 2018, 284, 177-187.	2.6	95
43	Bi-functional Mo-doped WO ₃ nanowire array electrochromism-plus electrochemical energy storage. <i>Journal of Colloid and Interface Science</i> , 2016, 465, 112-120.	5.0	94
44	Original growth mechanism for ultra-stable dendrite-free potassium metal electrode. <i>Nano Energy</i> , 2019, 62, 367-375.	8.2	93
45	Constructed TiO ₂ /NiO Core/Shell Nanorod Array for Efficient Electrochromic Application. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6690-6696.	1.5	90
46	Integrated 3D porous C-MoS ₂ /nitrogen-doped graphene electrode for high capacity and prolonged stability lithium storage. <i>Journal of Power Sources</i> , 2015, 296, 392-399.	4.0	90
47	Magnetron sputtering amorphous carbon coatings on metallic lithium: Towards promising anodes for lithium secondary batteries. <i>Journal of Power Sources</i> , 2014, 266, 43-50.	4.0	89
48	Three-dimensional porous nano-Ni supported silicon composite film for high-performance lithium-ion batteries. <i>Journal of Power Sources</i> , 2012, 213, 106-111.	4.0	88
49	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.	4.2	88
50	Self-assembly silicon/porous reduced graphene oxide composite film as a binder-free and flexible anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015, 156, 86-93.	2.6	87
51	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.	4.0	87
52	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.	11.1	86
53	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.	5.2	85
54	A superior composite gel polymer electrolyte of Li ₇ La ₃ Zr ₂ O ₁₂ - poly(vinylidene fluoride)-hex...	2.7	81

#	ARTICLE	IF	CITATIONS
55	Binder-free network-enabled MoS ₂ -PPY-rGO ternary electrode for high capacity and excellent stability of lithium storage. <i>Journal of Power Sources</i> , 2016, 307, 510-518.	4.0	80
56	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.	8.2	80
57	Graphene-coated mesoporous carbon/sulfur cathode with enhanced cycling stability. <i>Electrochimica Acta</i> , 2013, 113, 256-262.	2.6	79
58	Integration of Energy Harvesting and Electrochemical Storage Devices. <i>Advanced Materials Technologies</i> , 2017, 2, 1700182.	3.0	78
59	Facile interfacial modification via in-situ ultraviolet solidified gel polymer electrolyte for high-performance solid-state lithium ion batteries. <i>Journal of Power Sources</i> , 2019, 409, 31-37.	4.0	76
60	High-energy cathode materials for Li-ion batteries: A review of recent developments. <i>Science China Technological Sciences</i> , 2015, 58, 1809-1828.	2.0	74
61	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.	5.2	71
62	Rational coating of Li ₇ P ₃ S ₁₁ solid electrolyte on MoS ₂ electrode for all-solid-state lithium ion batteries. <i>Journal of Power Sources</i> , 2018, 374, 107-112.	4.0	71
63	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.	8.2	69
64	Construction of All-Solid-State Batteries based on a Sulfur@Graphene Composite and Li _{0.95} Si _{1.74} P _{1.44} S _{11.7} Cl _{0.3} Solid Electrolyte. <i>Chemistry - A European Journal</i> , 2017, 23, 13950-13956.	1.7	68
65	Fast electrochromic properties of self-supported Co ₃ O ₄ nanowire array film. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 386-389.	3.0	66
66	Silicon/graphene-sheet hybrid film as anode for lithium ion batteries. <i>Electrochemistry Communications</i> , 2012, 23, 17-20.	2.3	65
67	Rational in-situ construction of three-dimensional reduced graphene oxide supported Li ₂ S/C composite as enhanced cathode for rechargeable lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2015, 299, 293-300.	4.0	65
68	Hierarchical MoS ₂ /Carbon Composite Microspheres as Advanced Anodes for Lithium/Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 11220-11226.	1.7	65
69	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.	5.2	64
70	<i>In situ</i> 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.	5.2	62
71	Ultra fast electrochromic switching of nanostructured NiO films electrodeposited from choline chloride-based ionic liquid. <i>Electrochimica Acta</i> , 2013, 87, 341-347.	2.6	57
72	Li ₂ S@C composite incorporated into 3D reduced graphene oxide as a cathode material for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2016, 313, 233-239.	4.0	57

#	ARTICLE	IF	CITATIONS
73	Metal-Embedded Porous Graphitic Carbon Fibers Fabricated from Bamboo Sticks as a Novel Cathode for Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 13598-13605.	4.0	57
74	Hollow Li _{1.2} Mn _{0.5} Co _{0.25} Ni _{0.05} O ₂ microcube prepared by binary template as a cathode material for lithium ion batteries. Journal of Power Sources, 2014, 257, 198-204.	4.0	56
75	Multiscale Porous Carbon Nanomaterials for Applications in Advanced Rechargeable Batteries. Batteries and Supercaps, 2019, 2, 9-36.	2.4	56
76	A Versatile Li _{6.5} In _{0.25} P _{0.75} S ₅ Sulfide Electrolyte Triggered by Ultimate Energy Mechanical Alloying for All-Solid-State Lithium Metal Batteries. Advanced Energy Materials, 2021, 11, 2101521.	10.2	55
77	A preeminent gel blending polymer electrolyte of poly(vinylidene fluoride-hexafluoropropylene)-poly(propylene carbonate) for solid-state lithium ion batteries. Electrochimica Acta, 2019, 296, 1064-1069.	2.6	54
78	Recent Developments of All-Solid-State Lithium Secondary Batteries with Sulfide Inorganic Electrolytes. Chemistry - A European Journal, 2018, 24, 6007-6018.	1.7	52
79	Boosting High-Rate Sodium Storage Performance of Na-Doped Carbon-Encapsulated Na ₃ V ₂ (PO ₄) ₃ Nanoparticles Anchoring on Carbon Cloth. Small, 2019, 15, e1902432.	5.2	51
80	Improved Ionic Conductivity and Li Dendrite Suppression Capability toward Li ₇ P ₃ S ₁₁ -Based Solid Electrolytes Triggered by Nb and O Cosubstitution. ACS Applied Materials & Interfaces, 2020, 12, 54662-54670.	4.0	50
81	Ti ³⁺ Self-Doped Li ₄ Ti ₅ O ₁₂ Anchored on Na-Doped Carbon Nanofiber Arrays for Ultrafast Lithium-Ion Storage. Small, 2019, 15, e1905296.	5.2	49
82	N-doped CoO nanowire arrays as efficient electrocatalysts for oxygen evolution reaction. Journal of Energy Chemistry, 2019, 37, 13-17.	7.1	49
83	Crystalline/amorphous tungsten oxide core/shell hierarchical structures and their synergistic effect for optical modulation. Journal of Colloid and Interface Science, 2015, 460, 200-208.	5.0	46
84	Niobium doped tungsten oxide mesoporous film with enhanced electrochromic and electrochemical energy storage properties. Journal of Colloid and Interface Science, 2019, 535, 300-307.	5.0	46
85	A Stretchable and Safe Polymer Electrolyte with a Protecting Layer Strategy for Solid-State Lithium Metal Batteries. Advanced Science, 2021, 8, 2003241.	5.6	46
86	Composite Li metal anode with vertical graphene host for high performance Li-S batteries. Journal of Power Sources, 2018, 374, 205-210.	4.0	45
87	Directional construction of Cu ₂ S branch arrays for advanced oxygen evolution reaction. Journal of Energy Chemistry, 2019, 39, 61-67.	7.1	45
88	Construction of Nitrogen-Doped Carbon-Coated MoSe ₂ Microspheres with Enhanced Performance for Lithium Storage. Chemistry - A European Journal, 2017, 23, 12924-12929.	1.7	43
89	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. Journal of Materials Chemistry A, 2019, 7, 10231-10238.	5.2	42
90	Ionic-liquid-containing polymer interlayer modified PEO-based electrolyte for stable high-voltage solid-state lithium metal battery. Chemical Engineering Journal, 2021, 424, 130522.	6.6	42

#	ARTICLE	IF	CITATIONS
91	Pine-Needle-Like Cu-Co Skeleton Composited with $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Forming Core-Branch Arrays for High-Rate Lithium Ion Storage. <i>Small</i> , 2018, 14, e1704339.	5.2	40
92	Synthesis and electrochemical performance of LiVO_3 cathode materials for lithium ion batteries. <i>Journal of Power Sources</i> , 2013, 236, 33-38.	4.0	39
93	Non-Newtonian Fluid State Na Alloy for a Stretchable Energy Storage Device. <i>Small Methods</i> , 2019, 3, 1900383.	4.6	39
94	Binary conductive network for construction of Si/Ag nanowires/rGO integrated composite film by vacuum-filtration method and their application for lithium ion batteries. <i>Electrochimica Acta</i> , 2015, 180, 1068-1074.	2.6	38
95	Conversion from Li_2SO_4 to $\text{Li}_2\text{S}@C$ on carbon paper matrix: A novel integrated cathode for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2016, 331, 475-480.	4.0	38
96	Reconstruction of multidimensional carbon hosts with combined 0D, 1D and 2D networks for enhanced lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2017, 342, 224-230.	4.0	37
97	Hierarchical $\text{MoS}_2@$ Polypyrrole core-shell microspheres with enhanced electrochemical performances for lithium storage. <i>Electrochimica Acta</i> , 2018, 269, 632-639.	2.6	34
98	Ultrafast Synthesis of Li-Rich Lithium Argyrodite Glass-Ceramic Electrolyte with High Ionic Conductivity. <i>Advanced Materials</i> , 2022, 34, e2107346.	11.1	34
99	Cobalt disulfide-modified cellular hierarchical porous carbon derived from bovine bone for application in high-performance lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2019, 551, 219-226.	5.0	33
100	Ionic Liquid-Impregnated ZIF-8/Polypropylene Solid-like Electrolyte for Dendrite-free Lithium-Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6859-6868.	4.0	31
101	Nitrogen doped vertical graphene as metal-free electrocatalyst for hydrogen evolution reaction. <i>Materials Research Bulletin</i> , 2021, 134, 111094.	2.7	30
102	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> , 2022, 435, 135030.	6.6	29
103	Anchoring SnS_2 on TiC/C Backbone to Promote Sodium Ion Storage by Phosphate Ion Doping. <i>Small</i> , 2020, 16, e2004072.	5.2	28
104	An intercalation compound for high-safe K metal batteries. <i>Energy Storage Materials</i> , 2021, 41, 606-613.	9.5	28
105	High Performance Single-Crystal Ni-Rich Cathode Modification via Crystalline LLTO Nanocoating for All-Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 726-735.	4.0	27
106	Facile and scalable synthesis of nanosized core-shell $\text{Li}_2\text{S}@C$ composite for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16653-16660.	5.2	26
107	Vertically Aligned $\text{Li}_2\text{S}@$ Graphene Encapsulated within a Carbon Shell as a Free-Standing Cathode for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 11169-11174.	1.7	26
108	Facile synthesis of self-supported Ni_2P nanosheet@Ni sponge composite for high-rate battery. <i>Journal of Power Sources</i> , 2016, 328, 405-412.	4.0	25

#	ARTICLE	IF	CITATIONS
109	Core-shell structure of porous silicon with nitrogen-doped carbon layer for lithium-ion batteries. <i>Materials Research Bulletin</i> , 2018, 108, 170-175.	2.7	25
110	Sodium-rich manganese oxide porous microcubes with polypyrrole coating as a superior cathode for sodium ion full batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 218-226.	5.0	25
111	Robust $\text{Li}_{0.95}\text{PS}_{0.05}$ Interlayer to Stabilize the Tailored Electrolyte $\text{Li}_{9.95}\text{SnP}_2\text{S}_{11.95}\text{F}_{0.05}$ /Li Metal Interface. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30739-30745.	4.0	24
112	In-situ generated Li_3N /Li-Al alloy in reduced graphene oxide framework optimizing ultra-thin lithium metal electrode for solid-state batteries. <i>Energy Storage Materials</i> , 2022, 49, 546-554.	9.5	24
113	Free-standing sulfur cathodes composited with carbon nanorods arrays for Li-S batteries application. <i>Materials Research Bulletin</i> , 2016, 83, 474-480.	2.7	22
114	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.	1.2	22
115	Sodium-storage behavior of electron-rich element-doped amorphous carbon. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	22
116	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.	1.7	21
117	Exploring the Stability Effect of the Co-Substituted $\text{P}_2\text{Na}_{0.67}[\text{Mn}_{0.67}\text{Ni}_{0.33}]\text{O}_2$ Cathode for Liquid- and Solid-State Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41477-41484.	4.0	21
118	Low-strain titanium-based oxide electrodes for electrochemical energy storage devices: design, modification, and application. <i>Materials Today Nano</i> , 2020, 11, 100085.	2.3	21
119	Targeted Growth of Pt on 2D Atomic Layers of Ni-Al Hydroxide: Assembly of the Pt/Exfoliated Ni-Al Hydroxide sheet/Graphene Composite as Electrocatalysts for Methanol Oxidation Reactions. <i>Electrochimica Acta</i> , 2016, 222, 938-945.	2.6	20
120	Single-Crystal Layered Ni-Rich Oxide Modified by Phosphate Coating Boosting Interfacial Stability of $\text{Li}_{10}\text{SnP}_2\text{S}_{12}$ -Based All-Solid-State Li Batteries. <i>Small</i> , 2021, 17, e2103830.	5.2	19
121	Enhanced Li-Storage of Ni_3S_2 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.	5.2	18
122	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.	4.0	18
123	A mono-comb poly (siloxane-g-ethylene oxide) electrospun fiber membrane for solid-state sodium ion batteries. <i>Chemical Engineering Journal</i> , 2021, 426, 131901.	6.6	16
124	Self-Healing Properties of Alkali Metals under High-Energy Conditions in Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100470.	10.2	13
125	Self-supporting hierarchical $\text{rGO@Ni nanosheet@Co}_3\text{O}_4$ nanowire array and its application in high-rate batteries. <i>Journal of Power Sources</i> , 2016, 327, 281-288.	4.0	10
126	Smart construction of intimate interface between solid polymer electrolyte and 3D-array electrode for quasi-solid-state lithium ion batteries. <i>Journal of Power Sources</i> , 2019, 434, 226726.	4.0	10

#	ARTICLE	IF	CITATIONS
127	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.	6.6	10
128	High Capacity and Superior Rate Performances Coexisting in Carbon-Based Sodium-Ion Battery Anode. <i>Research</i> , 2019, 2019, 6930294.	2.8	9
129	Ti ₂ Nb ₁₀ O ₂₉ anchored on <i>Aspergillus Oryzae</i> spore carbon skeleton for advanced lithium ion storage. <i>Sustainable Materials and Technologies</i> , 2021, 28, e00272.	1.7	7
130	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> , 2022, 433, 133557.	6.6	6
131	Promotion effect of nitrogen-doped functional carbon nanodots on the early growth stage of plants. <i>Oxford Open Materials Science</i> , 2020, 1, .	0.5	5
132	Frontispiece: Porous Carbon Hosts for Lithium–Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0