

Peixun Xiong

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.

58

papers

3,208

citations

28

h-index

56

g-index

66

ext. papers

4,258

ext. citations

11.6

avg, IF

5.88

L-index

#	Paper	IF	Citations
58	Flexible, robust and washable bacterial cellulose/silver nanowire conductive paper for high-performance electromagnetic interference shielding. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 960-968	13	3
57	Rhenium induced electronic structure modulation of Ni ₃ S ₂ /N-doped graphene for efficient trifunctional electrocatalysis. <i>Composites Part B: Engineering</i> , 2022 , 234, 109670	10	2
56	Galvanically replaced artificial interfacial layer for highly reversible zinc metal anodes. <i>Applied Physics Reviews</i> , 2022 , 9, 011401	17.3	4
55	Structural engineering of tin sulfides anchored on nitrogen/phosphorus dual-doped carbon nanofibres in sodium/potassium-ion batteries. <i>Carbon</i> , 2022 , 189, 46-56	10.4	12
54	Structure engineering of BiSbS _x nanocrystals embedded within sulfurized polyacrylonitrile fibers for high performance of potassium-ion batteries.. <i>Chemistry - A European Journal</i> , 2022 ,	4.8	1
53	Soluble Organic Cathodes Enable Long Cycle Life, High Rate and Wide-temperature Lithium-ion Batteries. <i>Advanced Materials</i> , 2021 , e2107226	24	8
52	Layered Double Hydroxide Quantum Dots for Use in a Bifunctional Separator of Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 17978-17987	9.5	9
51	Highly Potassiophilic Carbon Nanofiber Paper Derived from Bacterial Cellulose Enables Ultra-Stable Dendrite-Free Potassium Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 17629-17638	9.5	6
50	Ultrathin, Strong, and Highly Flexible TiCT MXene/Bacterial Cellulose Composite Films for High-Performance Electromagnetic Interference Shielding. <i>ACS Nano</i> , 2021 , 15, 8439-8449	16.7	44
49	Electronically coupled layered double hydroxide/MXene quantum dot metallic hybrids for high-performance flexible zinc-air batteries. <i>Information Materials</i> , 2021 , 3, 1134	23.1	22
48	Unveiling Trifunctional Active Sites of a Heteronanoshet Electrocatalyst for Integrated Cascade Battery/Electrolyzer Systems. <i>ACS Energy Letters</i> , 2021 , 6, 2460-2468	20.1	7
47	2D MOF-derived CoS _{1.097} nanoparticle embedded S-doped porous carbon nanosheets for high performance sodium storage. <i>Chemical Engineering Journal</i> , 2021 , 405, 126638	14.7	7
46	A redox-active conjugated microporous polymer cathode for high-performance lithium/potassium-organic batteries. <i>Science China Chemistry</i> , 2021 , 64, 72-81	7.9	15
45	Two-Dimensional Pseudocapacitive Nanomaterials for High-Energy- and High-Power-Oriented Applications of Supercapacitors. <i>Accounts of Materials Research</i> , 2021 , 2, 86-96	7.5	8
44	Algal residues-engaged formation of novel WVO ₄ /V ₃ Se ₄ hybrid nanostructure with carbon fiber confinement for enhanced long-term cycling stability in sodium/potassium storage. <i>Journal of Alloys and Compounds</i> , 2021 , 892, 162177	5.7	2
43	V ₃ Se ₄ embedded within N/P co-doped carbon fibers for sodium/potassium ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 419, 129607	14.7	22
42	Co-construction of sulfur vacancies and carbon confinement in VS/CNFs to induce an ultra-stable performance for half/full sodium-ion and potassium-ion batteries. <i>Nanoscale</i> , 2021 , 13, 5033-5044	7.7	31

41	In Situ Electropolymerization Enables Ultrafast Long Cycle Life and High-Voltage Organic Cathodes for Lithium Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11992-11998	16.4	37
40	Thiourea-based polyimide/RGO composite cathode: A comprehensive study of storage mechanism with alkali metal ions. <i>Science China Materials</i> , 2020 , 63, 1929-1938	7.1	10
39	Titelbild: A Redox-Active 2D Metal-Organic Framework for Efficient Lithium Storage with Extraordinary High Capacity (Angew. Chem. 13/2020). <i>Angewandte Chemie</i> , 2020 , 132, 5005-5005	3.6	
38	Rational Molecular Design of Benzoquinone-Derived Cathode Materials for High-Performance Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1909597	15.6	37
37	Efficient polysulfide trapping enabled by a polymer adsorbent in lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2020 , 336, 135693	6.7	11
36	In Situ Electropolymerization Enables Ultrafast Long Cycle Life and High-Voltage Organic Cathodes for Lithium Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 12090-12096	3.6	8
35	A Redox-Active 2D Metal-Organic Framework for Efficient Lithium Storage with Extraordinary High Capacity. <i>Angewandte Chemie</i> , 2020 , 132, 5311-5315	3.6	25
34	A Redox-Active 2D Metal-Organic Framework for Efficient Lithium Storage with Extraordinary High Capacity. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5273-5277	16.4	94
33	Bismuth-Antimony Alloy Nanoparticle@Porous Carbon Nanosheet Composite Anode for High-Performance Potassium-Ion Batteries. <i>ACS Nano</i> , 2020 , 14, 1018-1026	16.7	110
32	Solid electrolyte interphase manipulation towards highly stable hard carbon anodes for sodium ion batteries. <i>Energy Storage Materials</i> , 2020 , 25, 324-333	19.4	44
31	Facile fabrication of a vanadium nitride/carbon fiber composite for half/full sodium-ion and potassium-ion batteries with long-term cycling performance. <i>Nanoscale</i> , 2020 , 12, 10693-10702	7.7	18
30	An ultra-small few-layer MoS ₂ -hierarchical porous carbon fiber composite obtained via nanocasting synthesis for sodium-ion battery anodes with excellent long-term cycling performance. <i>Dalton Transactions</i> , 2019 , 48, 4149-4156	4.3	41
29	Room-Temperature Potassium-Sulfur Batteries Enabled by Microporous Carbon Stabilized Small-Molecule Sulfur Cathodes. <i>ACS Nano</i> , 2019 , 13, 2536-2543	16.7	65
28	Electrospun VSe/CNF composite with excellent performance for alkali metal ion batteries. <i>Nanoscale</i> , 2019 , 11, 16308-16316	7.7	34
27	Bismuth Nanoparticle@Carbon Composite Anodes for Ultralong Cycle Life and High-Rate Sodium-Ion Batteries. <i>Advanced Materials</i> , 2019 , 31, e1904771	24	118
26	Molten Lithium-Filled Three-Dimensional Hollow Carbon Tube Mats for Stable Lithium Metal Anodes. <i>ACS Applied Energy Materials</i> , 2019 , 2, 8303-8309	6.1	11
25	Optimization of Molecular Structure and Electrode Architecture of Anthraquinone-Containing Polymer Cathode for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42305-42312	9.5	25
24	Conjugated Microporous Polymers with Tunable Electronic Structure for High-Performance Potassium-Ion Batteries. <i>ACS Nano</i> , 2019 , 13, 745-754	16.7	94

23	Long cycle life and high rate sodium-ion chemistry for hard carbon anodes. <i>Energy Storage Materials</i> , 2018 , 13, 274-282	19.4	93
22	Elucidation of the Sodium-Storage Mechanism in Hard Carbons. <i>Advanced Energy Materials</i> , 2018 , 8, 17032117	21.7	138
21	Nitrogen-Doped Carbon Nanotubes Derived from Metal-Organic Frameworks for Potassium-Ion Battery Anodes. <i>ChemSusChem</i> , 2018 , 11, 202-208	8.3	173
20	Red Phosphorus Nanoparticle@3D Interconnected Carbon Nanosheet Framework Composite for Potassium-Ion Battery Anodes. <i>Small</i> , 2018 , 14, e1802140	11	164
19	Insight into the intercalation mechanism of WSe ₂ onions toward metal ion capacitors: sodium rivals lithium. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21605-21617	13	27
18	A Polysulfide-Immobilizing Polymer Retards the Shuttling of Polysulfide Intermediates in Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2018 , 30, e1804581	24	168
17	Uniformly Dispersed Freestanding Carbon Nanofiber/Graphene Electrodes Made by a Scalable Biological Method for High-Performance Flexible Supercapacitors. <i>Advanced Functional Materials</i> , 2018 , 28, 1803075	15.6	69
16	Inverse-vulcanization of vinyl functionalized covalent organic frameworks as efficient cathode materials for LiB batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17977-17981	13	91
15	Recent research progress in non-aqueous potassium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 26495-26506	3.6	149
14	High rate and long cycle life porous carbon nanofiber paper anodes for potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19237-19244	13	159
13	Nitrogen-doped carbon coated silicon derived from a facile strategy with enhanced performance for lithium storage. <i>Functional Materials Letters</i> , 2016 , 09, 1650055	1.2	4
12	Hierarchical cerium oxide derived from metal-organic frameworks for high performance supercapacitor electrodes. <i>Electrochimica Acta</i> , 2016 , 222, 773-780	6.7	85
11	Nanocomposite Li ₃ V ₂ (PO ₄) ₃ /carbon as a cathode material with high rate performance and long-term cycling stability in lithium-ion batteries. <i>RSC Advances</i> , 2015 , 5, 57127-57132	3.7	12
10	Ultrathin TiO ₂ -B nanowires with enhanced electrochemical performance for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10038-10044	13	35
9	Prussian blue analogues Mn[Fe(CN) ₆] _{0.6667} ·nH ₂ O cubes as an anode material for lithium-ion batteries. <i>Dalton Transactions</i> , 2015 , 44, 16746-51	4.3	72
8	Pseudo-capacitive performance of titanate nanotubes as a supercapacitor electrode. <i>Chemical Communications</i> , 2014 , 50, 5973-5	5.8	36
7	Zn-doped Ni-MOF material with a high supercapacitive performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19005-19010	13	300
6	Metal-organic frameworks: a new promising class of materials for a high performance supercapacitor electrode. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16640-16644	13	384

5	Facile synthesis of hierarchical MnO ₂ sub-microspheres composed of nanosheets and their application for supercapacitors. <i>RSC Advances</i> , 2014 , 4, 40753-40757	3.7	33
4	Electrospun conductive carbon nanofiber hosts for stable zinc metal anode. <i>International Journal of Energy Research</i> ,	4.5	1
3	In-situ electropolymerized bipolar organic cathode for stable and high-rate lithium-ion batteries. <i>Science China Materials</i> ,1	7.1	4
2	Microbial Disinfection with Supercoiling Capacitive Triboelectric Nanogenerator. <i>Advanced Energy Materials</i> ,2103680	21.8	3
1	High-Rate, Large Capacity, and Long Life Dendrite-Free Zn Metal Anode Enabled by Trifunctional Electrolyte Additive with a Wide Temperature Range. <i>Advanced Science</i> ,2201433	13.6	8