

Hu Aiping

List of Publications by Year in descending order

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papers

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citations

516710

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#	ARTICLE	IF	CITATIONS
1	Understanding the Synergistic Effects and Structural Evolution of Co(OH) ₂ and Co ₃ O ₄ toward Boosting Electrochemical Charge Storage. <i>Advanced Functional Materials</i> , 2022, 32, 2108644.	14.9	102
2	A Simple Approach towards Highly Dense Graphene Films for High Volumetric Performance Supercapacitors. <i>ChemElectroChem</i> , 2022, 9, .	3.4	5
3	Self-Healing SeO ₂ Additives Enable Zinc Metal Reversibility in Aqueous ZnSO ₄ Electrolytes. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	71
4	Highly reversible zinc metal anodes enabled by protonated melamine. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6636-6640.	10.3	21
5	Confining Sb nanoparticles in bamboo-like hierarchical porous aligned carbon nanotubes for use as an anode for sodium ion batteries with ultralong cycling performance. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2152-2160.	10.3	28
6	Enhanced Potassium-Ion Storage of the 3D Carbon Superstructure by Manipulating the Nitrogen-Doped Species and Morphology. <i>Nano-Micro Letters</i> , 2021, 13, 1.	27.0	570
7	Stabilizing Zinc Anodes by Regulating the Electrical Double Layer with Saccharin Anions. <i>Advanced Materials</i> , 2021, 33, e2100445.	21.0	351
8	Oxygen-Containing Functional Groups Regulating the Carbon/Electrolyte Interfacial Properties Toward Enhanced K ⁺ Storage. <i>Nano-Micro Letters</i> , 2021, 13, 192.	27.0	60
9	Sewable and Cuttable Flexible Zinc-Ion Hybrid Supercapacitor Using a Polydopamine/Carbon Cloth-Based Cathode. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16028-16036.	6.7	43
10	A Bottom-Up In-situ Preparation of Graphene-like Porous Carbon for Ultrahigh Surface Area Specific Capacitance Supercapacitors. <i>ChemNanoMat</i> , 2020, 6, 1789-1796.	2.8	2
11	Enhanced performance of lithium-sulfur batteries based on single-sided chemical tailoring, and organosiloxane grafted PP separator. <i>RSC Advances</i> , 2020, 10, 18115-18123.	3.6	6
12	Ultrafast Activating Strategy to Significantly Enhance the Electrocatalysis of Commercial Carbon Cloth for Oxygen Evolution Reaction and Overall Water Splitting. <i>ChemNanoMat</i> , 2020, 6, 542-549.	2.8	7
13	Achieving ultrahigh volumetric performance of graphene composite films by an outer-inner dual space utilizing strategy. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9661-9669.	10.3	24
14	Room temperature ultrafast synthesis of N- and O-rich graphene films with an expanded interlayer distance for high volumetric capacitance supercapacitors. <i>Nanoscale</i> , 2019, 11, 16515-16522.	5.6	19
15	Compact-Nanobox Engineering of Transition Metal Oxides with Enhanced Initial Coulombic Efficiency for Lithium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8955-8964.	8.0	38
16	Facile synthesis of single-crystalline Co ₃ O ₄ cubes as high-performance anode for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2321-2328.	2.5	8
17	Saqima-like Co ₃ O ₄ /CNTs secondary microstructures with ultrahigh initial Coulombic efficiency as an anode for lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 417-427.	2.5	11
18	Graphitic carbon-wrapped NiO embedded three dimensional nitrogen doped aligned carbon nanotube arrays with long cycle life for lithium ion batteries. <i>RSC Advances</i> , 2018, 8, 28440-28446.	3.6	8

#	ARTICLE	IF	CITATIONS
19	Nitrogen-doped worm-like graphitized hierarchical porous carbon designed for enhancing area-normalized capacitance of electrical double layer supercapacitors. Carbon, 2017, 117, 163-173.	10.3	105
20	Capacity-increasing robust porous SiO ₂ /Si/graphene/C microspheres as an anode for Li-ion batteries. RSC Advances, 2016, 6, 45077-45084.	3.6	18
21	Sulfur-impregnated 3D hierarchical porous nitrogen-doped aligned carbon nanotubes as high-performance cathode for lithium-sulfur batteries. Journal of Power Sources, 2016, 322, 138-146.	7.8	66
22	Dual-Confined Sulfur Nanoparticles Encapsulated in Hollow TiO ₂ Spheres Wrapped with Graphene for Lithium-Sulfur Batteries. Chemistry - an Asian Journal, 2016, 11, 2911-2917.	3.3	27
23	Molybdenum disulfide nanosheet embedded three-dimensional vertically aligned carbon nanotube arrays for extremely-excellent cycling stability lithium-ion anodes. RSC Advances, 2016, 6, 80320-80327.	3.6	13
24	Facile synthesis of 3D plum candy-like ZnCo ₂ O ₄ microspheres as a high-performance anode for lithium ion batteries. RSC Advances, 2016, 6, 79971-79977.	3.6	32
25	Controllable graphene coated mesoporous carbon/sulfur composite for lithium-sulfur batteries. RSC Advances, 2015, 5, 74138-74143.	3.6	10
26	The surface luminescence of silica nanospheres depending on different excitation wavelengths and accompanied photochemical reactions. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	1
27	Synthesis and characterisation of ⁵⁷ Fe ₂ O ₃ nanowire arrays via a versatile, simple and low-cost method. Journal of Experimental Nanoscience, 2012, 7, 477-484.	2.4	0
28	Synthesis and optical properties modulation of ZnO/Eu ₂ O ₃ nanocable arrays. Journal of Applied Physics, 2010, 108, 104301.	2.5	9