

# Hu Aiping

## List of Publications by Year in descending order

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28  
papers

1,655  
citations

516710

16  
h-index

526287

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28  
docs citations

28  
times ranked

1720  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Stabilizing Zinc Anodes by Regulating the Electrical Double Layer with Saccharin Anions. <i>Advanced Materials</i> , 2021, 33, e2100445.	21.0	351
3	Nitrogen-doped worm-like graphitized hierarchical porous carbon designed for enhancing area-normalized capacitance of electrical double layer supercapacitors. <i>Carbon</i> , 2017, 117, 163-173.	10.3	105
4	Understanding the Synergistic Effects and Structural Evolution of $\text{Co}(\text{OH})_2$ and $\text{Co}_3\text{O}_4$ toward Boosting Electrochemical Charge Storage. <i>Advanced Functional Materials</i> , 2022, 32, 2108644.	14.9	102
5	Self-Healing $\text{SeO}_2$ Additives Enable Zinc Metal Reversibility in Aqueous $\text{ZnSO}_4$ Electrolytes. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	71
6	Sulfur-impregnated 3D hierarchical porous nitrogen-doped aligned carbon nanotubes as high-performance cathode for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2016, 322, 138-146.	7.8	66
7	Oxygen-Containing Functional Groups Regulating the Carbon/Electrolyte Interfacial Properties Toward Enhanced $\text{K}^+$ Storage. <i>Nano-Micro Letters</i> , 2021, 13, 192.	27.0	60
8	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
9	Compact-Nanobox Engineering of Transition Metal Oxides with Enhanced Initial Coulombic Efficiency for Lithium-Ion Battery Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 8955-8964.	8.0	38
10	Facile synthesis of 3D plum candy-like $\text{ZnCo}_2\text{O}_4$ microspheres as a high-performance anode for lithium ion batteries. <i>RSC Advances</i> , 2016, 6, 79971-79977.	3.6	32
11	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
12	Dual-Confined Sulfur Nanoparticles Encapsulated in Hollow $\text{TiO}_2$ Spheres Wrapped with Graphene for Lithium-Sulfur Batteries. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2911-2917.	3.3	27
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	Highly reversible zinc metal anodes enabled by protonated melamine. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6636-6640.	10.3	21
15	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
16	Capacity-increasing robust porous $\text{SiO}_2/\text{Si}$ /graphene/C microspheres as an anode for Li-ion batteries. <i>RSC Advances</i> , 2016, 6, 45077-45084.	3.6	18
17	Molybdenum disulfide nanosheet embedded three-dimensional vertically aligned carbon nanotube arrays for extremely-excellent cycling stability lithium-ion anodes. <i>RSC Advances</i> , 2016, 6, 80320-80327.	3.6	13
18	Saqima-like $\text{Co}_3\text{O}_4/\text{CNTs}$ 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

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19	Controllable graphene coated mesoporous carbon/sulfur composite for lithium-sulfur batteries. RSC Advances, 2015, 5, 74138-74143.	3.6	10
20	Synthesis and optical properties modulation of ZnO/Eu2O3 nanocable arrays. Journal of Applied Physics, 2010, 108, 104301.	2.5	9
21	Facile synthesis of single-crystalline Co3O4 cubes as high-performance anode for lithium-ion batteries. Journal of Solid State Electrochemistry, 2018, 22, 2321-2328.	2.5	8
22	Graphitic carbon-wrapped NiO embedded three dimensional nitrogen doped aligned carbon nanotube arrays with long cycle life for lithium ion batteries. RSC Advances, 2018, 8, 28440-28446.	3.6	8
23	Ultrafast Activating Strategy to Significantly Enhance the Electrocatalysis of Commercial Carbon Cloth for Oxygen Evolution Reaction and Overall Water Splitting. ChemNanoMat, 2020, 6, 542-549.	2.8	7
24	Enhanced performance of lithium-sulfur batteries based on single-sided chemical tailoring, and organosiloxane grafted PP separator. RSC Advances, 2020, 10, 18115-18123.	3.6	6
25	A Simple Approach towards Highly Dense Graphene Films for High Volumetric Performance Supercapacitors. ChemElectroChem, 2022, 9, .	3.4	5
26	A Bottom-up In-situ Preparation of Graphene-like Porous Carbon for Ultrahigh Surface Area Specific Capacitance Supercapacitors. ChemNanoMat, 2020, 6, 1789-1796.	2.8	2
27	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
28	Synthesis and characterisation of $\text{Fe}^{3+}$ -Fe2O3 nanowire arrays via a versatile, simple and low-cost method. Journal of Experimental Nanoscience, 2012, 7, 477-484.	2.4	0