

# Jun-Ming Cao

## List of Publications by Year in descending order

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34  
papers

1,924  
citations

304743

22  
h-index

377865

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1826  
citing authors

#	ARTICLE	IF	CITATIONS
1	MXene-Bonded hollow MoS <sub>2</sub> /Carbon sphere strategy for high-performance flexible sodium ion storage. <i>Chemical Engineering Journal</i> , 2022, 430, 132755.	12.7	49
2	Self-assembled Cobalt-doped NiMn-layered double hydroxide (LDH)/V <sub>2</sub> CT MXene hybrids for advanced aqueous electrochemical energy storage properties. <i>Chemical Engineering Journal</i> , 2022, 430, 132992.	12.7	53
3	A low-surface-energy design to allogeneic sulfide heterostructures anchored on ultrathin graphene sheets for fast sodium storage. <i>Chemical Engineering Journal</i> , 2022, 432, 134195.	12.7	6
4	Ultrafine Sb <sub>2</sub> S <sub>3</sub> @carbon-nanofibers for fast and stable sodium storage. <i>Electrochimica Acta</i> , 2022, 411, 140067.	5.2	16
5	Anchored SnS nanorods based on a carbon-enhanced Nb <sub>2</sub> CT <sub>x</sub> three-dimensional nanoflower framework achieve stable, high capacity Na-ion storage. <i>Applied Surface Science</i> , 2022, 597, 153598.	6.1	7
6	Tunable agglomeration of Co <sub>3</sub> O <sub>4</sub> nanowires as the growing core for in-situ formation of Co <sub>2</sub> NiO <sub>4</sub> assembled with polyaniline-derived carbonaceous fibers as the high-performance asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157210.	5.5	47
7	Nitrogen/sulphur dual-doped hierarchical carbonaceous fibers boosting potassium-ion storage. <i>Journal of Energy Chemistry</i> , 2021, 55, 420-427.	12.9	41
8	Effects of low doping on the improvement of cathode materials Na <sub>3</sub> V <sub>2</sub> M <sub>x</sub> (PO <sub>4</sub> ) <sub>3</sub> (M = Co <sup>2+</sup> , Cu <sup>2+</sup> ; <i>x</i> = 0.01~0.05) for SIBs. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17380-17389.	10.3	24
9	Highly conductive Co <sub>3</sub> Se <sub>4</sub> embedded in N-doped 3D interconnected carbonaceous network for enhanced lithium and sodium storage. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 630-639.	9.4	27
10	Carbon-Reinforced Nb <sub>2</sub> CT <sub>x</sub> MXene/MoS <sub>2</sub> Nanosheets as a Superior Rate and High-Capacity Anode for Sodium-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 7439-7450.	14.6	203
11	Strongly Coupled 2D Transition Metal Chalcogenide-MXene-Carbonaceous Nanoribbon Heterostructures with Ultrafast Ion Transport for Boosting Sodium/Potassium Ions Storage. <i>Nano-Micro Letters</i> , 2021, 13, 113.	27.0	100
12	High-rate supercapacitor based on 3D hierarchical N-doped porous carbon derived from sustainable spongy cornstalk pith. <i>Journal of Energy Storage</i> , 2021, 37, 102470.	8.1	25
13	Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Conductive Layers Supported Bio-Derived Fe <sub>x</sub> Se <sub>x</sub> /MXene/Carbonaceous Nanoribbons for High-Performance Half/Full Sodium-Ion and Potassium-Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2101535.	21.0	128
14	Assembling Co <sub>3</sub> O <sub>4</sub> Nanoparticles into MXene with Enhanced electrochemical performance for advanced asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 109-118.	9.4	72
15	The direct Z-scheme Cd <sub>x</sub> Zn <sub>1-x</sub> S nanorods-Fe <sub>2</sub> O <sub>3</sub> quantum dots heterojunction/reduced graphene oxide nanocomposites for photocatalytic degradation and photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2021, 570, 151085.	6.1	35
16	Microbe-Assisted Assembly of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene on Fungi-Derived Nanoribbon Heterostructures for Ultrastable Sodium and Potassium Ion Storage. <i>ACS Nano</i> , 2021, 15, 3423-3433.	14.6	158
17	Comparative analysis of Co <sub>9</sub> S <sub>8</sub> /S-doped rGO composites as high-performance electrodes via facile one-step anneal fabrication for supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152448.	5.5	13
18	Planar supercapacitor with high areal capacitance based on Ti <sub>3</sub> C <sub>2</sub> /Polypyrrole composite film. <i>Electrochimica Acta</i> , 2020, 330, 135277.	5.2	68

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19	Superior full battery performance of tunable hollow N-Doped carbonaceous fibers encapsulating Ni <sub>3</sub> S <sub>2</sub> nanocrystals with enhanced Li/Na storage. <i>Electrochimica Acta</i> , 2020, 332, 135446.	5.2	23
20	Ultraviolet-Assisted Construction of Nitrogen-Rich Ag@Ti <sub>3</sub> C <sub>2</sub> Ti <sub>x</sub> MXene for Highly Efficient Hydrogen Evolution Electrocatalysis and Supercapacitor. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001449.	3.7	31
21	Highly flexible free-standing Sb/Sb <sub>2</sub> O <sub>3</sub> @N-doped carbon nanofiber membranes for sodium ion batteries with excellent stability. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5732-5738.	4.9	14
22	Lithium-Sulfur Batteries: Ultrafine Co <sub>3</sub> Se <sub>4</sub> Nanoparticles in Nitrogen-Doped 3D Carbon Matrix for High-Stable and Long-Cycle-Life Lithium Sulfur Batteries (Adv. Energy Mater. 19/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070088.	19.5	4
23	Ultrafine Co <sub>3</sub> Se <sub>4</sub> Nanoparticles in Nitrogen-Doped 3D Carbon Matrix for High-Stable and Long-Cycle-Life Lithium Sulfur Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1904273.	19.5	141
24	Phosphorus-doped polymeric carbon nitride nanosheets for enhanced photocatalytic hydrogen production. <i>APL Materials</i> , 2020, 8, .	5.1	37
25	3D Chemical Cross-Linking Structure of Black Phosphorus@CNTs Hybrid as a Promising Anode Material for Lithium Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1909372.	14.9	92
26	Printable Ta Substrate with High Stability and Enhanced Interface Adhesion for Flexible Supercapacitor Performance Improvement. <i>Advanced Materials Technologies</i> , 2019, 4, 1900338.	5.8	5
27	A Highly Conductive MOF of Graphene Analogue Ni <sub>3</sub> (HITP) <sub>2</sub> as a Sulfur Host for High-Performance Lithium-Sulfur Batteries. <i>Small</i> , 2019, 15, e1902605.	10.0	136
28	Lithium-Sulfur Batteries: A Highly Conductive MOF of Graphene Analogue Ni <sub>3</sub> (HITP) <sub>2</sub> as a Sulfur Host for High-Performance Lithium-Sulfur Batteries (Small 44/2019). <i>Small</i> , 2019, 15, 1970240.	10.0	7
29	Hierarchical core-shell structural NiMoO <sub>4</sub> @NiS <sub>2</sub> /MoS <sub>2</sub> nanowires fabricated via an in situ sulfurization method for high performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21759-21765.	10.3	125
30	Mn-Doped Ni/Co LDH Nanosheets Grown on the Natural N-Dispersed PANI-Derived Porous Carbon Template for a Flexible Asymmetric Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10699-10707.	6.7	113
31	A facile synthesis of self-assembling reduced graphene oxide/cobalt carbonate hydroxide papers for high-performance supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 159-166.	2.2	9
32	Core-shell structural PANI-derived carbon@Co-Ni LDH electrode for high-performance asymmetric supercapacitors. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1350-1355.	4.9	64
33	Self-assembly of biomass microfibers into 3D layer-stacking hierarchical porous carbon for high performance supercapacitors. <i>Electrochimica Acta</i> , 2018, 286, 264-270.	5.2	47
34	Efficient Supercapacitors Based on Co <sub>9</sub> S <sub>8</sub> /Graphene Composites for Electric Vehicles. <i>SAE International Journal of Alternative Powertrains</i> , 0, 7, 289-295.	0.8	2