

Jun-Ming Cao

List of Publications by Year in descending order

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citations

304743

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Carbon-Reinforced Nb ₂ CT _x MXene/MoS ₂ Nanosheets as a Superior Rate and High-Capacity Anode for Sodium-Ion Batteries. ACS Nano, 2021, 15, 7439-7450.	14.6	203
2	Microbe-Assisted Assembly of Ti ₃ C ₂ T _x MXene on Fungi-Derived Nanoribbon Heterostructures for Ultrastable Sodium and Potassium Ion Storage. ACS Nano, 2021, 15, 3423-3433.	14.6	158
3	Ultrafine Co ₃ Se ₄ Nanoparticles in Nitrogen-Doped 3D Carbon Matrix for High-Stable and Long-Cycle-Life Lithium Sulfur Batteries. Advanced Energy Materials, 2020, 10, 1904273.	19.5	141
4	A Highly Conductive MOF of Graphene Analogue Ni ₃ (HITP) ₂ as a Sulfur Host for High-Performance Lithium-Sulfur Batteries. Small, 2019, 15, e1902605.	10.0	136
5	Ti ₃ C ₂ T _x MXene Conductive Layers Supported Bio-Derived Fe ₁ Se ₁ /MXene/Carbonaceous Nanoribbons for High-Performance Half/Full Sodium-Ion and Potassium-Ion Batteries. Advanced Materials, 2021, 33, e2101535.	21.0	128
6	Hierarchical core-shell structural NiMoO ₄ @NiS ₂ /MoS ₂ nanowires fabricated via an in situ sulfurization method for high performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2019, 7, 21759-21765.	10.3	125
7	Mn-Doped Ni/Co LDH Nanosheets Grown on the Natural N-Dispersed PANI-Derived Porous Carbon Template for a Flexible Asymmetric Supercapacitor. ACS Sustainable Chemistry and Engineering, 2019, 7, 10699-10707.	6.7	113
8	Strongly Coupled 2D Transition Metal Chalcogenide-MXene-Carbonaceous Nanoribbon Heterostructures with Ultrafast Ion Transport for Boosting Sodium/Potassium Ions Storage. Nano-Micro Letters, 2021, 13, 113.	27.0	100
9	3D Chemical Cross-Linking Structure of Black Phosphorus@CNTs Hybrid as a Promising Anode Material for Lithium Ion Batteries. Advanced Functional Materials, 2020, 30, 1909372.	14.9	92
10	Assembling Co ₃ O ₄ Nanoparticles into MXene with Enhanced electrochemical performance for advanced asymmetric supercapacitors. Journal of Colloid and Interface Science, 2021, 599, 109-118.	9.4	72
11	Planar supercapacitor with high areal capacitance based on Ti ₃ C ₂ /Polypyrrole composite film. Electrochimica Acta, 2020, 330, 135277.	5.2	68
12	Core-shell structural PANI-derived carbon@Co-Ni LDH electrode for high-performance asymmetric supercapacitors. Sustainable Energy and Fuels, 2018, 2, 1350-1355.	4.9	64
13	Self-assembled Cobalt-doped NiMn-layered double hydroxide (LDH)/V ₂ CT MXene hybrids for advanced aqueous electrochemical energy storage properties. Chemical Engineering Journal, 2022, 430, 132992.	12.7	53
14	MXene-Bonded hollow MoS ₂ /Carbon sphere strategy for high-performance flexible sodium ion storage. Chemical Engineering Journal, 2022, 430, 132755.	12.7	49
15	Self-assembly of biomass microfibers into 3D layer-stacking hierarchical porous carbon for high performance supercapacitors. Electrochimica Acta, 2018, 286, 264-270.	5.2	47
16	Tunable agglomeration of Co ₃ O ₄ nanowires as the growing core for in-situ formation of Co ₂ NiO ₄ assembled with polyaniline-derived carbonaceous fibers as the high-performance asymmetric supercapacitors. Journal of Alloys and Compounds, 2021, 853, 157210.	5.5	47
17	Nitrogen/sulphur dual-doped hierarchical carbonaceous fibers boosting potassium-ion storage. Journal of Energy Chemistry, 2021, 55, 420-427.	12.9	41
18	Phosphorus-doped polymeric carbon nitride nanosheets for enhanced photocatalytic hydrogen production. APL Materials, 2020, 8, .	5.1	37

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19	The direct Z-scheme Cd _x Zn _{1-x} S nanorods-Fe ₂ O ₃ quantum dots heterojunction/reduced graphene oxide nanocomposites for photocatalytic degradation and photocatalytic hydrogen evolution. Applied Surface Science, 2021, 570, 151085.	6.1	35
20	Ultraviolet-Assisted Construction of Nitrogen-Rich Ag ₃ C ₂ T _x MXene for Highly Efficient Hydrogen Evolution Electrocatalysis and Supercapacitor. Advanced Materials Interfaces, 2020, 7, 2001449.	3.7	31
21	Highly conductive Co ₃ Se ₄ embedded in N-doped 3D interconnected carbonaceous network for enhanced lithium and sodium storage. Journal of Colloid and Interface Science, 2021, 586, 630-639.	9.4	27
22	High-rate supercapacitor based on 3D hierarchical N-doped porous carbon derived from sustainable spongy cornstalk pith. Journal of Energy Storage, 2021, 37, 102470.	8.1	25
23	Effects of low doping on the improvement of cathode materials Na ₃ V ₂ M _x (PO ₄) ₃ (M = Co ²⁺ , Cu ²⁺ ; <i>x</i> = 0.01~0.05) for SIBs. Journal of Materials Chemistry A, 2021, 9, 17380-17389.	10.3	24
24	Superior full battery performance of tunable hollow N-Doped carbonaceous fibers encapsulating Ni ₃ S ₂ nanocrystals with enhanced Li/Na storage. Electrochimica Acta, 2020, 332, 135446.	5.2	23
25	Ultrafine Sb ₂ S ₃ @carbon-nanofibers for fast and stable sodium storage. Electrochimica Acta, 2022, 411, 140067.	5.2	16
26	Highly flexible free-standing Sb/Sb ₂ O ₃ @N-doped carbon nanofiber membranes for sodium ion batteries with excellent stability. Sustainable Energy and Fuels, 2020, 4, 5732-5738.	4.9	14
27	Comparative analysis of Co ₉ S ₈ /S-doped rGO composites as high-performance electrodes via facile one-step anneal fabrication for supercapacitor application. Journal of Alloys and Compounds, 2020, 815, 152448.	5.5	13
28	A facile synthesis of self-assembling reduced graphene oxide/cobalt carbonate hydroxide papers for high-performance supercapacitor applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 159-166.	2.2	9
29	Lithium-Sulfur Batteries: A Highly Conductive MOF of Graphene Analogue Ni ₃ (HITP) ₂ as a Sulfur Host for High-Performance Lithium-Sulfur Batteries (Small 44/2019). Small, 2019, 15, 1970240.	10.0	7
30	Anchored SnS nanorods based on a carbon-enhanced Nb ₂ CT _x three-dimensional nanoflower framework achieve stable, high capacity Na-ion storage. Applied Surface Science, 2022, 597, 153598.	6.1	7
31	A low-surface-energy design to allogeneic sulfide heterostructures anchored on ultrathin graphene sheets for fast sodium storage. Chemical Engineering Journal, 2022, 432, 134195.	12.7	6
32	Printable Ta Substrate with High Stability and Enhanced Interface Adhesion for Flexible Supercapacitor Performance Improvement. Advanced Materials Technologies, 2019, 4, 1900338.	5.8	5
33	Lithium-Sulfur Batteries: Ultrafine Co ₃ Se ₄ Nanoparticles in Nitrogen-Doped 3D Carbon Matrix for High-Stable and Long-Cycle-Life Lithium Sulfur Batteries (Adv. Energy Mater. 19/2020). Advanced Energy Materials, 2020, 10, 2070088.	19.5	4
34	Efficient Supercapacitors Based on Co ₉ S ₈ /Graphene Composites for Electric Vehicles. SAE International Journal of Alternative Powertrains, 0, 7, 289-295.	0.8	2