Qiu Jiang

List of Publications by Year
in descending order

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40 papers	6,669 citations	126858 33 h-index	276775 41 g-index
43 all docs	43 docs citations	43 times ranked	8087 citing authors

#	Article	IF	Citations
1	Supercapacitors. , 2022, , 383-417.		7
2	Surface and Interface Engineering of Zn Anodes in Aqueous Rechargeable Znâ€Ion Batteries. Small, 2022, 18, e2200006.	5.2	105
3	Upcycling CO2 into energy-rich long-chain compounds via electrochemical and metabolic engineering. Nature Catalysis, 2022, 5, 388-396.	16.1	153
4	Copper-catalysed exclusive CO2 to pure formic acid conversion via single-atom alloying. Nature Nanotechnology, 2021, 16, 1386-1393.	15.6	282
5	Rational Design of 2D Manganese Phosphate Hydrate Nanosheets as Pseudocapacitive Electrodes. ACS Energy Letters, 2020, 5, 23-30.	8.8	37
6	MXene hydrogels: fundamentals and applications. Chemical Society Reviews, 2020, 49, 7229-7251.	18.7	368
7	Recyclable cobalt-molybdenum bimetallic carbide modified separator boosts the polysulfide adsorption-catalysis of lithium sulfur battery. Science China Materials, 2020, 63, 2443-2455.	3.5	69
8	MXene Printing and Patterned Coating for Device Applications. Advanced Materials, 2020, 32, e1908486.	11.1	239
9	Ultrasound-Driven Two-Dimensional Ti₃C₂T_x MXene Hydrogel Generator. ACS Nano, 2020, 14, 3199-3207.	7.3	91
10	Review of MXene electrochemical microsupercapacitors. Energy Storage Materials, 2020, 27, 78-95.	9.5	223
11	Enhancement of Dielectric Permittivity of Ti₃C₂T_x MXene/Polymer Composites by Controlling Flake Size and Surface Termination. ACS Applied Materials & Interfaces, 2019, 11, 27358-27362.	4.0	68
12	Tuning the Electrochemical Performance of Titanium Carbide MXene by Controllable In Situ Anodic Oxidation. Angewandte Chemie, 2019, 131, 18013-18019.	1.6	38
13	Tuning the Electrochemical Performance of Titanium Carbide MXene by Controllable In Situ Anodic Oxidation. Angewandte Chemie - International Edition, 2019, 58, 17849-17855.	7.2	117
14	Continuous production of pure liquid fuel solutions via electrocatalytic CO2 reduction using solid-electrolyte devices. Nature Energy, 2019, 4, 776-785.	19.8	458
15	3D Laser Scribed Graphene Derived from Carbon Nanospheres: An Ultrahighâ€Power Electrode for Supercapacitors. Small Methods, 2019, 3, 1900005.	4.6	64
16	Onâ€Chip MXene Microsupercapacitors for ACâ€Line Filtering Applications. Advanced Energy Materials, 2019, 9, 1901061.	10.2	113
17	Solid state MXene based electrostatic fractional capacitors. Applied Physics Letters, 2019, 114, .	1.5	16
18	Wettability-Driven Assembly of Electrochemical Microsupercapacitors. ACS Applied Materials & Interfaces, 2019, 11, 20905-20914.	4.0	37

#	Article	IF	Citations
19	Integration of Electrochemical Microsupercapacitors with Thin Film Electronics for Onâ€Chip Energy Storage. Advanced Materials, 2019, 31, e1807450.	11.1	32
20	Energy Harvestingâ€Storage Bracelet Incorporating Electrochemical Microsupercapacitors Selfâ€Charged from a Single Hand Gesture. Advanced Energy Materials, 2019, 9, 1900152.	10.2	47
21	A MXeneâ€Based Wearable Biosensor System for Highâ€Performance In Vitro Perspiration Analysis. Small, 2019, 15, e1901190.	5.2	280
22	Laser-derived graphene: A three-dimensional printed graphene electrode and its emerging applications. Nano Today, 2019, 24, 81-102.	6.2	138
23	Large Dielectric Constant Enhancement in MXene Percolative Polymer Composites. ACS Nano, 2018, 12, 3369-3377.	7.3	334
24	Anomalous Li Storage Capability in Atomically Thin Two-Dimensional Sheets of Nonlayered MoO₂. Nano Letters, 2018, 18, 1506-1515.	4.5	74
25	All Pseudocapacitive MXeneâ€RuO₂ Asymmetric Supercapacitors. Advanced Energy Materials, 2018, 8, 1703043.	10.2	757
26	MXene electrochemical microsupercapacitor integrated with triboelectric nanogenerator as a wearable self-charging power unit. Nano Energy, 2018, 45, 266-272.	8.2	333
27	Inherent electrochemistry and charge transfer properties of few-layered two-dimensional Ti₃C₂T_xMXene. Nanoscale, 2018, 10, 17030-17037.	2.8	46
28	Lignin Laser Lithography: A Directâ€Write Method for Fabricating 3D Graphene Electrodes for Microsupercapacitors. Advanced Energy Materials, 2018, 8, 1801840.	10.2	179
29	MXenes stretch hydrogel sensor performance to new limits. Science Advances, 2018, 4, eaat0098.	4.7	556
30	General Top-Down Ion Exchange Process for the Growth of Epitaxial Chalcogenide Thin Films and Devices. Chemistry of Materials, 2017, 29, 690-698.	3.2	9
31	Low temperature synthesis of ternary metal phosphides using plasma for asymmetric supercapacitors. Nano Energy, 2017, 35, 331-340.	8.2	324
32	Monolithic laser scribed graphene scaffolds with atomic layer deposited platinum for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 20422-20427.	5.2	48
33	Fractal Electrochemical Microsupercapacitors. Advanced Electronic Materials, 2017, 3, 1700185.	2.6	48
34	Hybrid Microsupercapacitors with Vertically Scaled 3D Current Collectors Fabricated using a Simple Cutâ€andâ€Transfer Strategy. Advanced Energy Materials, 2017, 7, 1601257.	10.2	75
35	Selenideâ€Based Electrocatalysts and Scaffolds for Water Oxidation Applications. Advanced Materials, 2016, 28, 77-85.	11.1	544
36	Asymmetric supercapacitors with metal-like ternary selenides and porous graphene electrodes. Nano Energy, 2016, 24, 78-86.	8.2	180

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37	Micro-Pseudocapacitors with Electroactive Polymer Electrodes: Toward AC-Line Filtering Applications. ACS Applied Materials & Interfaces, 2016, 8, 12748-12755.	4.0	52
38	Marker Pen Lithography for Flexible and Curvilinear Onâ€Chip Energy Storage. Advanced Functional Materials, 2015, 25, 4976-4984.	7.8	50
39	Flexible Lithography: Marker Pen Lithography for Flexible and Curvilinear On-Chip Energy Storage (Adv. Funct. Mater. 31/2015). Advanced Functional Materials, 2015, 25, 5076-5076.	7.8	1
40	A general strategy for the fabrication of high performance microsupercapacitors. Nano Energy, 2015, 16, 1-9.	8.2	72