Zhimin Fan

List of Publications by Year
in descending order

		471509	552781
27	1,926	17	26
papers	citations	h-index	g-index

27	27	27	2076
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modified MXene/Holey Graphene Films for Advanced Supercapacitor Electrodes with Superior Energy Storage. Advanced Science, 2018, 5, 1800750.	11.2	353
2	A lightweight and conductive MXene/graphene hybrid foam for superior electromagnetic interference shielding. Chemical Engineering Journal, 2020, 381, 122696.	12.7	301
3	Cactus-Inspired Bimetallic Metalâ€“Organic Framework-Derived 1Dâ€“2D Hierarchical Co/N-Decorated Carbon Architecture toward Enhanced Electromagnetic Wave Absorbing Performance. ACS Applied Materials & Interfaces, 2019, 11, 13564-13573.	8.0	204
4	A nanoporous MXene film enables flexible supercapacitors with high energy storage. Nanoscale, 2018, 10, 9642-9652.	5.6	177
5	Ink-based 3D printing technologies for graphene-based materials: a review. Advanced Composites and Hybrid Materials, 2019, 2, 1-33.	21.1	136
6	High Density of Free-Standing Holey Graphene/PPy Films for Superior Volumetric Capacitance of Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 21763-21772.	8.0	109
7	Highly Conductive MXene Film Actuator Based on Moisture Gradients. Angewandte Chemie - International Edition, 2020, 59, 14029-14033.	13.8	101
8	Bimetallic Metalâ€“Organic Framework-Derived Pomegranate-like Nanoclusters Coupled with CoNi-Doped Graphene for Strong Wideband Microwave Absorption. ACS Applied Materials & Interfaces, 2020, 12, 17870-17880.	8.0	95
9	Ultrahigh volumetric performance of a free-standing compact N-doped holey graphene/PANI slice for supercapacitors. Journal of Materials Chemistry A, 2017, 5, 16689-16701.	10.3	84
10	A Compact MXene Film with Folded Structure for Advanced Supercapacitor Electrode Material. ACS Applied Energy Materials, 2020, 3, 1811-1820.	5.1	49
11	Lightweight Three-Dimensional Cellular MXene Film for Superior Energy Storage and Electromagnetic Interference Shielding. ACS Applied Energy Materials, 2020, 3, 8171-8178.	5.1	45
12	Lightweight MXene/Cellulose Nanofiber Composite Film for Electromagnetic Interference Shielding. Journal of Electronic Materials, 2021, 50, 2101-2110.	2.2	44
13	Binder-Free Ti₃C₂T_x MXene Doughs with High Redispersibility. , 2020, 2, 1598-1605.		34
14	A weldable MXene film assisted by water. Matter, 2022, 5, 1042-1055.	10.0	32
15	Sunshine foaming of compact Ti3C2T MXene film for highly efficient electromagnetic interference shielding and energy storage. Carbon, 2021, 182, 124-133.	10.3	27
16	MXeneâ€Based Humidityâ€Responsive Actuators: Preparation and Properties. ChemPlusChem, 2021, 86, 406-417.	2.8	25
17	Superhydrophobic Shape Memory Polymer Microarrays with Switchable Directional/Antidirectional Droplet Sliding and Optical Performance. ACS Applied Materials & Interfaces, 2020, 12, 49219-49226.	8.0	23
18	High-volumetric capacitance and high-rate performance in liquid-mediated densified holey MXene film. Carbon, 2022, 186, 150-159.	10.3	20

#	Article	IF	Citations
19	A supramolecular hydrogel with monitorable macro/microscopic shape memory performance. Chemical Communications, 2019, 55, 11856-11859.	4.1	14
20	Highly Conductive MXene Film Actuator Based on Moisture Gradients. Angewandte Chemie, 2020, 132, 14133-14137.	2.0	10
21	Highly Conductive Liquid Metal-Based Shape Memory Material with an Ultrasensitive Fire Warning Response. ACS Applied Polymer Materials, 2021, 3, 6027-6033.	4.4	10
22	A shape programmable MXene-based supermolecular nanocomposite film. Composites Part A: Applied Science and Manufacturing, 2022, 159, 106997.	7.6	9
23	Frictional Reduction with Partially Exfoliated Multi-Walled Carbon Nanotubes as Water-Based Lubricant Additives. Journal of Nanoscience and Nanotechnology, 2018, 18, 3427-3432.	0.9	8
24	A Magneticâ€Driven Switchable Adhesive Superhydrophobic Surface for In Situ Sliding Control of Superparamagnetic Microdroplets. Advanced Materials Interfaces, 2022, 9, 2101660.	3.7	7
25	â€œLiquid diodeâ€•with â€œgatingâ€•based on shape memory sponge. Science China Materials, 2022, 65, 2591-2599.	6.3	4
26	Amphibious superlyophobic shape memory arrays with tunable wettability in both air and water. Advanced Composites and Hybrid Materials, 2022, 5, 788-797.	21.1	4
27	3D Porous MXene Films for Advanced Electromagnetic Interference Shielding and Capacitive Storage. Crystals, 2022, 12, 780.	2.2	1