Zehang Zhou

List of Publications by Year
in descending order

16 papers	2,946 citations	516710 16 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	4002 citing authors

#	Article	IF	Citations
1	Thickness-independent capacitance of vertically aligned liquid-crystalline MXenes. Nature, 2018, 557, 409-412.	27.8	965
2	Largeâ€Area Compliant, Lowâ€Cost, and Versatile Pressureâ€Sensing Platform Based on Microcrackâ€Designed Carbon Black@Polyurethane Sponge for Humanâ€“Machine Interfacing. Advanced Functional Materials, 2016, 26, 6246-6256.	14.9	481
3	Ultrathin MXene/Calcium Alginate Aerogel Film for Highâ€Performance Electromagnetic Interference Shielding. Advanced Materials Interfaces, 2019, 6, 1802040.	3.7	219
4	Ultrarobust Ti₃C₂T_x MXene-Based Soft Actuators via Bamboo-Inspired Mesoscale Assembly of Hybrid Nanostructures. ACS Nano, 2020, 14, 7055-7065.	14.6	199
5	Ultrastrong and conductive MXene/cellulose nanofiber films enhanced by hierarchical nano-architecture and interfacial interaction for flexible electromagnetic interference shielding. Journal of Materials Chemistry C, 2019, 7, 9820-9829.	5.5	186
6	Layer-by-layer assembly of MXene and carbon nanotubes on electrospun polymer films for flexible energy storage. Nanoscale, 2018, 10, 6005-6013.	5.6	184
7	Protein-Inspired Self-Healable Ti₃C₂ MXenes/Rubber-Based Supramolecular Elastomer for Intelligent Sensing. ACS Nano, 2020, 14, 2788-2797.	14.6	156
8	Facile Fabrication of Densely Packed Ti₃C₂ÂMXene/Nanocellulose Composite Films for Enhancing Electromagnetic Interference Shielding and Electro-/Photothermal Performance. ACS Nano, 2021, 15, 12405-12417.	14.6	152
9	Arbitrarily 3D Configurable Hygroscopic Robots with a Covalentâ€“Noncovalent Interpenetrating Network and Selfâ€Healing Ability. Advanced Materials, 2019, 31, e1900042.	21.0	136
10	Polyaniline-decorated cellulose aerogel nanocomposite with strong interfacial adhesion and enhanced photocatalytic activity. RSC Advances, 2014, 4, 8966.	3.6	78
11	Biotemplate synthesis of polypyrrole@bacterial cellulose/MXene nanocomposites with synergistically enhanced electrochemical performance. Cellulose, 2020, 27, 7475-7488.	4.9	44
12	Flexible, stretchable and magnetic Fe3O4@Ti3C2Tx/elastomer with supramolecular interfacial crosslinking for enhancing mechanical and electromagnetic interference shielding performance. Science China Materials, 2021, 64, 1437-1448.	6.3	44
13	A new application of ionic liquids for heterogeneously catalyzed acetylation of cellulose under solvent-free conditions. RSC Advances, 2013, 3, 7722.	3.6	27
14	A Novel Sandwiched Porous MXene/Polyaniline Nanofibers Composite Film for High Capacitance Supercapacitor Electrode. Advanced Materials Interfaces, 2021, 8, 2002168.	3.7	26
15	Facile fabrication of MXene/cellulose fiber composite film with homogeneous and aligned structure via wet co-milling for enhancing electromagnetic interference shielding performance. Composites Part A: Applied Science and Manufacturing, 2022, 157, 106907.	7.6	25
16	Ti3C2Tx MXene as a novel functional photo blocker for stereolithographic 3D printing of multifunctional gels via Continuous Liquid Interface Production. Composites Part B: Engineering, 2021, 225, 109261.	12.0	24