

Meikang Han

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40
papers

4,948
citations

27
h-index

40
g-index

40
ext. papers

6,380
ext. citations

9.6
avg, IF

5.96
L-index

#	Paper	IF	Citations
40	Ti ₃ C ₂ MXenes with Modified Surface for High-Performance Electromagnetic Absorption and Shielding in the X-Band. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21011-9	9.5	532
39	Graphene-wrapped ZnO hollow spheres with enhanced electromagnetic wave absorption properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16403-16409	13	447
38	Three-dimensional reduced graphene oxide foam modified with ZnO nanowires for enhanced microwave absorption properties. <i>Carbon</i> , 2017 , 116, 50-58	10.4	413
37	Self-Assembly Core/Shell Graphene-Bridged Hollow MXenes Spheres 3D Foam with Ultrahigh Specific EM Absorption Performance. <i>Advanced Functional Materials</i> , 2018 , 28, 1803938	15.6	366
36	Carbon Hollow Microspheres with a Designable Mesoporous Shell for High-Performance Electromagnetic Wave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6332-6341	9.5	319
35	Scalable Manufacturing of Free-Standing, Strong Ti ₃ C ₂ MXene Films with Outstanding Conductivity. <i>Advanced Materials</i> , 2020 , 32, e2001093	24	268
34	Flexible and Thermostable Graphene/SiC Nanowire Foam Composites with Tunable Electromagnetic Wave Absorption Properties. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11803-11810	8.5	231
33	Laminated and Two-Dimensional Carbon-Supported Microwave Absorbers Derived from MXenes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 20038-20045	9.5	229
32	Ti ₃ C ₂ MXenes modified with in situ grown carbon nanotubes for enhanced electromagnetic wave absorption properties. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4068-4074	7.1	224
31	Beyond TiCT: MXenes for Electromagnetic Interference Shielding. <i>ACS Nano</i> , 2020 , 14, 5008-5016	16.7	218
30	Mesoporous carbon hollow microspheres with red blood cell like morphology for efficient microwave absorption at elevated temperature. <i>Carbon</i> , 2018 , 132, 343-351	10.4	189
29	Hierarchical graphene/SiC nanowire networks in polymer-derived ceramics with enhanced electromagnetic wave absorbing capability. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 2695-2703	6	166
28	Ultralight and Mechanically Robust TiCT Hybrid Aerogel Reinforced by Carbon Nanotubes for Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38046-38054	9.5	146
27	Macroscopic bioinspired graphene sponge modified with in-situ grown carbon nanowires and its electromagnetic properties. <i>Carbon</i> , 2017 , 111, 94-102	10.4	144
26	Anisotropic MXene Aerogels with a Mechanically Tunable Ratio of Electromagnetic Wave Reflection to Absorption. <i>Advanced Optical Materials</i> , 2019 , 7, 1900267	8.1	138
25	A controllable heterogeneous structure and electromagnetic wave absorption properties of Ti ₂ CT _x MXene. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7621-7628	7.1	121
24	Ultralight MXene-Coated, Interconnected SiCnws Three-Dimensional Lamellar Foams for Efficient Microwave Absorption in the X-Band. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34524-34533	9.5	110

23	Effect of Ti ₃ AlC ₂ MAX Phase on Structure and Properties of Resultant Ti ₃ C ₂ T _x MXene. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3368-3376	5.6	92
22	Core/shell structured C/ZnO nanoparticles composites for effective electromagnetic wave absorption. <i>RSC Advances</i> , 2016 , 6, 6467-6474	3.7	84
21	Synthesis and EMW absorbing properties of nano SiC modified PDCBiOC. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5962-5969	7.1	69
20	Scalable, Highly Conductive, and Micropatternable MXene Films for Enhanced Electromagnetic Interference Shielding. <i>Matter</i> , 2020 , 3, 546-557	12.7	62
19	Novel Scale-Like Structures of Graphite/TiC/Ti ₃ C ₂ Hybrids for Electromagnetic Absorption. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700617	6.4	61
18	Carbon nanotubes modified with ZnO nanoparticles: High-efficiency electromagnetic wave absorption at high-temperatures. <i>Ceramics International</i> , 2015 , 41, 4906-4915	5.1	59
17	Tailoring Electronic and Optical Properties of MXenes through Forming Solid Solutions. <i>Journal of the American Chemical Society</i> , 2020 , 142, 19110-19118	16.4	58
16	Solution-Processed Ti ₃ C ₂ T _x MXene Antennas for Radio-Frequency Communication. <i>Advanced Materials</i> , 2021 , 33, e2003225	24	38
15	Effect of core-shell microspheres as pore-forming agent on the properties of porous alumina ceramics. <i>Materials and Design</i> , 2017 , 113, 384-390	8.1	27
14	Highly conductive and scalable Ti ₃ C ₂ T _x -coated fabrics for efficient electromagnetic interference shielding. <i>Carbon</i> , 2021 , 174, 382-389	10.4	27
13	Tunable electrochromic behavior of titanium-based MXenes. <i>Nanoscale</i> , 2020 , 12, 14204-14212	7.7	19
12	Effect of strontium doping on dielectric and infrared emission properties of barium aluminosilicate ceramics. <i>Materials Letters</i> , 2016 , 183, 223-226	3.3	19
11	Adjustable electrochemical properties of solid-solution MXenes. <i>Nano Energy</i> , 2021 , 88, 106308	17.1	18
10	Dielectric and electromagnetic wave absorption properties of reduced graphene oxide/barium aluminosilicate glass/ceramic composites. <i>Ceramics International</i> , 2016 , 42, 7099-7106	5.1	13
9	Broadband Microwave Absorbing Composites with a Multi-Scale Layered Structure Based on Reduced Graphene Oxide Film as the Frequency Selective Surface. <i>Materials</i> , 2018 , 11,	3.5	13
8	Enhanced absorption of electromagnetic waves in Ti ₃ C ₂ T _x MXene films with segregated polymer inclusions. <i>Composites Science and Technology</i> , 2021 , 213, 108878	8.6	8
7	Surface Redox Pseudocapacitance of Partially Oxidized Titanium Carbide MXene in Water-in-Salt Electrolyte. <i>ACS Energy Letters</i> , 30-35	20.1	7
6	Conductivity extraction of thin Ti ₃ C ₂ T _x MXene films over 100 GHz using capacitively coupled test-fixture. <i>Applied Physics Letters</i> , 2020 , 116, 184101	3.4	5

5	MXene Films: Scalable Manufacturing of Free-Standing, Strong Ti ₃ C ₂ T _x MXene Films with Outstanding Conductivity (Adv. Mater. 23/2020). <i>Advanced Materials</i> , 2020 , 32, 2070180	24	3
4	Effects of alumina hollow microspheres on the properties of water-borne polyurethane films. <i>Journal of Materials Research</i> , 2018 , 33, 2486-2493	2.5	2
3	Ultrafast assembly and healing of nanomaterial networks on polymer substrates for flexible hybrid electronics. <i>Applied Materials Today</i> , 2021 , 22, 100956	6.6	2
2	Shifts in valence states in bimetallic MXenes revealed by electron energy-loss spectroscopy (EELS). <i>2D Materials</i> , 2022 , 9, 025004	5.9	1
1	Fabrication of ZAO Ceramic Target and Effect on the Photoelectric Properties of Its Film. <i>Ceramic Transactions</i> , 159-166	0.1	