

Electrospun MXene/carbon nanofibers as supercapacitor

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Multifunctional Nanocomposites with High Strength and Capacitance Using 2D MXene and 1D Nanocellulose. <i>Advanced Materials</i> , 2019, 31, e1902977.	11.1	253
2	2D Crystal-Based Fibers: Status and Challenges. <i>Small</i> , 2019, 15, e1902691.	5.2	35
3	Toothed wheel needleless electrospinning: a versatile way to fabricate uniform and finer nanomembrane. <i>Journal of Materials Science</i> , 2019, 54, 13834-13847.	1.7	26
4	Auto-programmed heteroarchitecturing: Self-assembling ordered mesoporous carbon between two-dimensional Ti ₃ C ₂ T _x MXene layers. <i>Nano Energy</i> , 2019, 65, 103991.	8.2	70
5	Characterization of Hierarchical Porous Carbons Made from Bean Curd via K ₂ CO ₃ Activation as a Supercapacitor Electrode. <i>ChemElectroChem</i> , 2019, 6, 4022-4030.	1.7	23
6	Ti-rich TiO ₂ Tubular Nanostructures by Electrochemical Anodization for All-Solid-State High-Rate Supercapacitor Devices. <i>ChemSusChem</i> , 2019, 12, 4064-4073.	3.6	33
7	Frequency-Dependent Effective Capacitance of Supercapacitors Using Electrospun Cobalt-Carbon Composite Nanofibers. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2403-A2408.	1.3	6
8	Beyond Gold: Spin-Coated Ti ₃ C ₂ -Based MXene Photodetectors. <i>Advanced Materials</i> , 2019, 31, e1903271.	11.1	114
9	Nitrogen-doped carbon networks derived from the electrospun polyacrylonitrile@branched polyethylenimine nanofibers as flexible supercapacitor electrodes. <i>Journal of Alloys and Compounds</i> , 2019, 808, 151737.	2.8	35
10	Functionalized Cu-MOF@CNT Hybrid: Synthesis, Crystal Structure and Applicability in Supercapacitors. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3566-3571.	1.7	32
11	Preparation and mechanical performances of carbon fiber reinforced epoxy composites by Mxene nanosheets coating. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 10516-10523.	1.1	19
12	Lightweight and flexible hybrid film based on delicate design of electrospun nanofibers for high-performance electromagnetic interference shielding. <i>Nanoscale</i> , 2019, 11, 8616-8625.	2.8	83
13	Layer-by-Layer Assembly of Polyaniline Nanofibers and MXene Thin-Film Electrodes for Electrochemical Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47929-47938.	4.0	38
14	Energy storage: The future enabled by nanomaterials. <i>Science</i> , 2019, 366, .	6.0	1,119
15	Two-Dimensional Nanomaterials-Based Polymer Composites: Fabrication and Energy Storage Applications. <i>Advances in Polymer Technology</i> , 2019, 2019, 1-15.	0.8	13
16	Further construction of MnO ₂ composite through in-situ growth on MXene surface modified by carbon coating with outstanding catalytic properties on thermal decomposition of ammonium perchlorate. <i>Applied Surface Science</i> , 2020, 502, 144171.	3.1	54
17	PEDOT hollow nanospheres for integrated bifunctional electrochromic supercapacitors. <i>Organic Electronics</i> , 2020, 77, 105497.	1.4	28
18	The fabrication of activated carbon and metal-carbide 2D framework-based asymmetric electrodes for the capacitive deionization of Cr(VI) ions toward industrial wastewater remediation. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 351-361.	1.2	43

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19	Nitrogen-doped asphaltene-based porous carbon fibers as supercapacitor electrode material with high specific capacitance. <i>Electrochimica Acta</i> , 2020, 330, 135270.	2.6	56
20	Nonprecious anodic catalysts for low-molecular-hydrocarbon fuel cells: Theoretical consideration and current progress. <i>Progress in Energy and Combustion Science</i> , 2020, 77, 100805.	15.8	107
21	Novel Lignin-Cellulose-Based Carbon Nanofibers as High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1210-1221.	4.0	108
22	Synthesis, characterizations, and biocompatibility evaluation of polycaprolactone-MXene electrospun fibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124282.	2.3	66
23	Ordered mesoporous carbon-silica frameworks confined magnetic mesoporous TiO ₂ as an efficient catalyst under acoustic cavitation energy. <i>Journal of Materiomics</i> , 2020, 6, 45-53.	2.8	7
24	Nitrogen-doped porous carbon tubes composites derived from metal-organic framework for highly efficient capacitive deionization. <i>Electrochimica Acta</i> , 2020, 331, 135420.	2.6	33
25	A skin-like sensor for intelligent Braille recognition. <i>Nano Energy</i> , 2020, 68, 104346.	8.2	87
26	MXenes—A new class of 2D layered materials: Synthesis, properties, applications as supercapacitor electrode and beyond. <i>Applied Materials Today</i> , 2020, 18, 100509.	2.3	82
27	Electrochemical Evaluation of Directly Electrospun Carbide-Derived Carbon-Based Electrodes in Different Nonaqueous Electrolytes for Energy Storage Applications. <i>Journal of Carbon Research</i> , 2020, 6, 59.	1.4	6
28	Direct growth of NiCo ₂ O ₄ nanosheet arrays on 3D-Ni-modified CFs for enhanced electrochemical storage in flexible supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 17879-17891.	1.1	5
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30	Exploring the Influence of Critical Parameters for the Effective Synthesis of High-Quality 2D MXene. <i>ACS Omega</i> , 2020, 5, 26845-26854.	1.6	56
31	MXenes as co-catalysts for the solar-driven photocatalytic reduction of CO ₂ . <i>Journal of Materials Chemistry C</i> , 2020, 8, 16258-16281.	2.7	61
32	Maximizing ion accessibility in MXene-knotted carbon nanotube composite electrodes for high-rate electrochemical energy storage. <i>Nature Communications</i> , 2020, 11, 6160.	5.8	183
33	D-ribose directed one-step fabrication of modifier-free C/NiCo ₂ O ₄ nanowires with advanced electrochemical performance. <i>Electrochimica Acta</i> , 2020, 358, 136926.	2.6	5
34	Emerging 2D MXenes for supercapacitors: status, challenges and prospects. <i>Chemical Society Reviews</i> , 2020, 49, 6666-6693.	18.7	466
35	Silver nanowire networks with preparations and applications: a review. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 15669-15696.	1.1	54
36	Antimonene dendritic nanostructures: Dual-functional material for high-performance energy storage and harvesting devices. <i>Nano Energy</i> , 2020, 77, 105248.	8.2	86

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37	A multifunctional interface design on cellulose substrate enables high performance flexible all-solid-state supercapacitors. <i>Energy Storage Materials</i> , 2020, 32, 208-215.	9.5	52
38	Electrospun Lignin-Based Carbon Nanofibers as Supercapacitor Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12831-12841.	3.2	86
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44	Recent Advances in Functional 2D MXene-Based Nanostructures for Next-Generation Devices. <i>Advanced Functional Materials</i> , 2020, 30, 2005223.	7.8	216
45	MXene/N-Doped Carbon Foam with Three-Dimensional Hollow Neuron-like Architecture for Freestanding, Highly Compressible All Solid-State Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44777-44788.	4.0	82
46	Hierarchical Carbon Fiber@MXene@MoS ₂ Core-shell Synergistic Microstructure for Tunable and Efficient Microwave Absorption. <i>Advanced Functional Materials</i> , 2020, 30, 2002595.	7.8	311
47	Recent Advances in 2D MXene Integrated Smart-Textile Interfaces for Multifunctional Applications. <i>Chemistry of Materials</i> , 2020, 32, 10296-10320.	3.2	101
48	Construction of Dual-Mesoporous Carbon Fibers Via Coassembly for Supercapacitors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000365.	0.8	2
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54	MXene-Based Fibers, Yarns, and Fabrics for Wearable Energy Storage Devices. <i>Advanced Functional Materials</i> , 2020, 30, 2000739.	7.8	168

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56	Targeted Synthesis of Polymer and Microporous Carbon Nanofibers via Temperature-Dependent and Molecularly-Triggered Interfacial Assembly. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000381.	1.9	4
58	Chemically stable two-dimensional MXene@UIO-66-(COOH) ₂ composite lamellar membrane for multi-component pollutant-oil-water emulsion separation. <i>Composites Part B: Engineering</i> , 2020, 197, 108188.	5.9	79
59	Bath Electrospinning of Continuous and Scalable Multifunctional MXene-Infiltrated Nanoyarns. <i>Small</i> , 2020, 16, e2002158.	5.2	81
60	Hierarchically Porous Carbon Nanofibers with Controllable Porosity Derived from Iodinated Polyvinyl Alcohol for Supercapacitors. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000513.	1.9	16
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68	MXene Composite Nanofibers for Cell Culture and Tissue Engineering. <i>ACS Applied Bio Materials</i> , 2020, 3, 2125-2131.	2.3	96
70	Binder-Free Two-Dimensional MXene/Acid Activated Carbon for High-Performance Supercapacitors and Methylene Blue Adsorption. <i>Energy & Fuels</i> , 2020, 34, 10120-10130.	2.5	37
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72	Freezing Titanium Carbide Aqueous Dispersions for Ultra-long-term Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34032-34040.	4.0	136
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76	Holey graphene/MnO ₂ nanosheets with open ion channels for high-performance solid-state asymmetric supercapacitors. <i>International Journal of Energy Research</i> , 2020, 44, 3446-3457.	2.2	10
77	Self-supporting Prussian blue@CNF based battery-capacitor with superhigh adsorption capacity and selectivity for potassium recovery. <i>Chemical Engineering Journal</i> , 2020, 388, 124162.	6.6	48
78	Radiation-Induced Self-Assembly of Ti ₃ C ₂ T _x MXene with Improved Electrochemical Performance for Supercapacitor. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901839.	1.9	16
79	Review of MXene electrochemical microsupercapacitors. <i>Energy Storage Materials</i> , 2020, 27, 78-95.	9.5	223
80	Scalable Synthesis of Ti ₃ C ₂ T _x MXene. <i>Advanced Engineering Materials</i> , 2020, 22, 1901241.	1.6	468
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85	Rich porous dual-shell carbon spheres by dissolution-reassembly with high performance in supercapacitor. <i>Journal of Energy Storage</i> , 2020, 29, 101375.	3.9	12
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94	Fishbone-derived N-doped hierarchical porous carbon as an electrode material for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2020, 832, 154950.	2.8	32
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98	Hierarchical architecture of MXene/PANI hybrid electrode for advanced asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 850, 156608.	2.8	79
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100	Recent advances in MXene-based nanocomposites for electrochemical energy storage applications. <i>Progress in Materials Science</i> , 2021, 117, 100733.	16.0	97
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106	Construction of hierarchical honeycomb-like MnCo ₂ S ₄ nanosheets as integrated cathodes for hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 859, 157815.	2.8	27
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109	Characterization of MXenes at every step, from their precursors to single flakes and assembled films. <i>Progress in Materials Science</i> , 2021, 120, 100757.	16.0	288
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130	Layered materials and their heterojunctions for supercapacitor applications: a review. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2022, 47, 357-388.	6.8	20
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133	Two-dimensional materials and synthesis, energy storage, utilization, and conversion applications of two-dimensional <i>MXene</i> materials. <i>International Journal of Energy Research</i> , 2021, 45, 9878-9894.	2.2	10
134	Combinational reduction of graphene oxide via coherent and incoherent light irradiation for flexible supercapacitors. <i>Diamond and Related Materials</i> , 2021, 113, 108237.	1.8	12
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137	MXenes for memristive and tactile sensory systems. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	25
138	Effects of the molecular structure from pitch fractions on the properties of pitch-based electrospun nanofibers. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50728.	1.3	9
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141	Electrospun Polyacrylonitrile Carbon Nanofiber for Supercapacitor Application: A Review. <i>Advanced Engineering Forum</i> , 0, 40, 25-42.	0.3	5
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