

Conductive two-dimensional titanium carbide ϵ -clay

Nature

516, 78-81

DOI: [10.1038/nature13970](https://doi.org/10.1038/nature13970)

Citation Report

#	ARTICLE	IF	CITATIONS
19	Introduction to carbon-based nanostructures. , 0, , 1-10.		0
20	Electronic properties of carbon-based nanostructures. , 0, , 11-90.		0
21	Not just graphene: The wonderful world of carbon and related nanomaterials. MRS Bulletin, 2015, 40, 1110-1121.	1.7	78
22	Phase-engineered transition-metal dichalcogenides for energy and electronics. MRS Bulletin, 2015, 40, 585-591.	1.7	71
23	Spectroscopic evidence in the visible-ultraviolet energy range of surface functionalization sites in the multilayer Ti_2C MXene. Physical Review B, 2015, 91, .		
24	OH-terminated two-dimensional transition metal carbides and nitrides as ultralow work function materials. Physical Review B, 2015, 92, .	1.1	342
25	Dirac points with giant spin-orbit splitting in the electronic structure of two-dimensional transition-metal carbides. Physical Review B, 2015, 92, .	1.1	65
26	Anisotropic electronic conduction in stacked two-dimensional titanium carbide. Scientific Reports, 2015, 5, 16329.	1.6	107
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28	Design Considerations for Unconventional Electrochemical Energy Storage Architectures. Advanced Energy Materials, 2015, 5, 1402115.	10.2	271
29	Probing the Mechanism of High Capacitance in 2D Titanium Carbide Using In Situ X-Ray Absorption Spectroscopy. Advanced Energy Materials, 2015, 5, 1500589.	10.2	521
30	Extraordinary Supercapacitor Performance of a Multicomponent and Mixed-Valence Oxyhydroxide. Angewandte Chemie, 2015, 127, 8218-8222.	1.6	16
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38	Direct Measurement of Surface Termination Groups and Their Connectivity in the 2D MXene V_2CT_x Using NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 13713-13720.	1.5	169
39	Controllable synthesis of $Ni_3-xCo_xS_4$ nanotube arrays with different aspect ratios grown on carbon cloth for high-capacity supercapacitors. <i>RSC Advances</i> , 2015, 5, 48631-48637.	1.7	29
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1172	Water permeability in MXene membranes: Process matters. <i>Chinese Chemical Letters</i> , 2020, 31, 1665-1669.	4.8	39
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1176	Ultrathin carbon layer-encapsulated TiN nanotubes array with enhanced capacitance and electrochemical stability for supercapacitors. <i>Applied Surface Science</i> , 2020, 503, 144293.	3.1	19
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2088	Amine-Assisted Delaminated 2D Ti ₃ C ₂ T _x MXenes for High Specific Capacitance in Neutral Aqueous Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35878-35888.	4.0	26
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2090	Recent Advances in the Synthesis and Energy Applications of 2D MXenes. <i>ChemElectroChem</i> , 2021, 8, 3804-3826.	1.7	18
2091	Theoretical study on Fe ₂ C MXene as electrode material for secondary battery. <i>Chemical Physics</i> , 2021, 548, 111223.	0.9	6

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2093	Nanosheets assembled layered MXene/MoSe ₂ nanohybrid positive electrode materials for high-performance asymmetric supercapacitors. <i>Journal of Energy Storage</i> , 2021, 40, 102721.	3.9	26
2094	MXene Reinforced Thermosetting Composite for Lightning Strike Protection of Carbon Fiber Reinforced Polymer. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100803.	1.9	7
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2096	MXene-carbon nanotubes layer-by-layer assembly based on-chip micro-supercapacitor with improved capacitive performance. <i>Electrochimica Acta</i> , 2021, 386, 138420.	2.6	34
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2102	A Universal Atomic Substitution Conversion Strategy Towards Synthesis of Large-Size Ultrathin Nonlayered Two-Dimensional Materials. <i>Nano-Micro Letters</i> , 2021, 13, 165.	14.4	12
2103	Design and characterization of 2D MXene-based electrode with high-rate capability. <i>MRS Bulletin</i> , 2021, 46, 755-766.	1.7	9
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2105	Design rules of pseudocapacitive electrode materials: ion adsorption, diffusion, and electron transmission over prototype TiO ₂ . <i>Science China Materials</i> , 2022, 65, 391-399.	3.5	6
2106	Recent advances in emerging nonaqueous K-ion batteries: from mechanistic insights to practical applications. <i>Energy Storage Materials</i> , 2021, 39, 305-346.	9.5	27
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2113	Safe Synthesis of MAX and MXene: Guidelines to Reduce Risk During Synthesis. <i>Journal of Chemical Health and Safety</i> , 2021, 28, 326-338.	1.1	102
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2117	Recent Progress in Emerging Two-Dimensional Transition Metal Carbides. <i>Nano-Micro Letters</i> , 2021, 13, 183.	14.4	82
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2168	MXene-Copper/Cobalt Hybrids via Lewis Acidic Molten Salts Etching for High Performance Symmetric Supercapacitors. <i>Angewandte Chemie</i> , 2021, 133, 25522-25526.	1.6	99
2169	Photopatternable hydroxide ion electrolyte for solid-state micro-supercapacitors. <i>Joule</i> , 2021, 5, 2466-2478.	11.7	30
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2186	Assembling Co ₃ O ₄ Nanoparticles into MXene with Enhanced electrochemical performance for advanced asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 109-118.	5.0	72
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2198	Synthesis of Ti ₃ C ₂ F _x MXene with controllable fluorination by electrochemical etching for lithium-ion batteries applications. <i>Ceramics International</i> , 2021, 47, 28642-28649.	2.3	38
2199	Flexible pressure sensor based on cigarette filter and highly conductive MXene sheets. <i>Composites Communications</i> , 2021, 27, 100889.	3.3	14
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2202	Ti ₃ C ₂ T _x MXene compounds for electrochemical energy storage. <i>Current Opinion in Electrochemistry</i> , 2021, 29, 100764.	2.5	17
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2204	Adjustable electrochemical properties of solid-solution MXenes. <i>Nano Energy</i> , 2021, 88, 106308.	8.2	55
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2206	Dual Ion Intercalation and High Volumetric Capacitance in a Two-Dimensional Non-Porous Coordination Polymer. <i>Angewandte Chemie</i> , 2021, 133, 27325-27331.	1.6	2
2207	Insights into host materials for aqueous proton batteries: structure, mechanism and prospect. <i>Nano Energy</i> , 2021, 89, 106400.	8.2	55
2208	Enhanced chemical trapping and catalytic conversion of polysulfides by diatomite/MXene hybrid interlayer for stable Li-S batteries. <i>Journal of Energy Chemistry</i> , 2021, 62, 590-598.	7.1	46
2209	Perforative pore formation on nanoplates for 2D porous MXene membranes via H ₂ O ₂ mild etching. <i>Ceramics International</i> , 2021, 47, 29930-29940.	2.3	16
2210	Enhanced NO ₂ gas-sensing performance of 2D Ti ₃ C ₂ /TiO ₂ nanocomposites by in-situ formation of Schottky barrier. <i>Applied Surface Science</i> , 2021, 567, 150747.	3.1	53
2211	Rational fabrication of flower-like VS ₂ -decorated Ti ₃ C ₂ MXene heterojunction nanocomposites for supercapacitance performances. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127381.	2.3	17
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2213	Enhanced visible-light photocatalytic degradation activity of Ti ₃ C ₂ /PDIsm via π-π interaction and interfacial charge separation: Experimental and theoretical investigations. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120439.	10.8	61
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2216	Holocellulose nanofibrils assisted exfoliation to prepare MXene-based composite film with excellent electromagnetic interference shielding performance. <i>Carbohydrate Polymers</i> , 2021, 274, 118652.	5.1	23
2217	Tunable electronic structure and magnetic anisotropy of two dimensional Mn ₂ CFCl/MoS ₂ van der Waals heterostructures by electric field and biaxial strain. <i>Applied Surface Science</i> , 2021, 566, 150683.	3.1	14
2218	Rational design of hierarchically sulfide and MXene-reinforced porous carbon nanofibers as advanced electrode for high energy density flexible supercapacitors. <i>Composites Part B: Engineering</i> , 2021, 224, 109246.	5.9	43

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2221	Electron transport properties of TiC molecular devices with different interfacial contact. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 415, 127650.	0.9	2
2222	2D titanoniobate-titaniumcarbide nanohybrid anodes for ultrafast lithium-ion batteries. <i>Journal of Power Sources</i> , 2021, 512, 230523.	4.0	5
2223	Insights into different dimensional MXenes for photocatalysis. <i>Chemical Engineering Journal</i> , 2021, 424, 130340.	6.6	60
2224	Two-dimensional transition metal carbides and/or nitrides (MXenes) and their applications in sensors. <i>Materials Today Physics</i> , 2021, 21, 100527.	2.9	50
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