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25th anniversary article: MXenes: a new family of two-dimensional materials

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#	Paper	IF	Citations
2205	A genomic approach to the stability, elastic, and electronic properties of the MAX phases. <b>2014</b> , 251, 1480-1497		86
2204	Structure of nanocrystalline Ti <sub>3</sub> C <sub>2</sub> MXene using atomic pair distribution function. <b>2014</b> , 112, 125501		129
2203	Conductive two-dimensional titanium carbide 'clay' with high volumetric capacitance. <b>2014</b> , 516, 78-81		2849
2202	Achieving a direct band gap in oxygen functionalized-monolayer scandium carbide by applying an electric field. <b>2014</b> , 16, 26273-8		60
2201	Ion intercalation into two-dimensional transition-metal carbides: global screening for new high-capacity battery materials. <b>2014</b> , 136, 16270-6		404
2200	Flexible and conductive MXene films and nanocomposites with high capacitance. <b>2014</b> , 111, 16676-81		1204
2199	Investigations on V <sub>2</sub> C and V <sub>2</sub> CX <sub>2</sub> (X = F, OH) Monolayer as a Promising Anode Material for Li Ion Batteries from First-Principles Calculations. <b>2014</b> , 118, 24274-24281		215
2198	In situ environmental transmission electron microscopy study of oxidation of two-dimensional Ti <sub>3</sub> C <sub>2</sub> and formation of carbon-supported TiO <sub>2</sub> . <b>2014</b> , 2, 14339		211
2197	One-step synthesis of nanocrystalline transition metal oxides on thin sheets of disordered graphitic carbon by oxidation of MXenes. <b>2014</b> , 50, 7420-3		427
2196	Dye adsorption and decomposition on two-dimensional titanium carbide in aqueous media. <b>2014</b> , 2, 14334-14339		119
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2187	Phase-engineered transition-metal dichalcogenides for energy and electronics. <b>2015</b> , 40, 585-591	49
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2038	Recent advances in titanium-based electrode materials for stationary sodium-ion batteries. <b>2016</b> , 9, 2978-3006	293
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2034	Schottky-Barrier-Free Contacts with Two-Dimensional Semiconductors by Surface-Engineered MXenes. <b>2016</b> , 138, 15853-15856	278
2033	Calorimetric Determination of Thermodynamic Stability of MAX and MXene Phases. <b>2016</b> , 120, 28131-28137	28
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2030	Stability and migration of transmutation atoms (H/He) in Ti <sub>3</sub> AlC <sub>2</sub> : first principles calculations. <b>2016</b> , 6, 59875-59881	13
2029	Ferromagnetic and Half-Metallic FeC Monolayer Containing C Dimers. <b>2016</b> , 8, 26207-26212	44
2028	Anisotropic electrical and lattice transport properties of ordered quaternary phases Cr <sub>2</sub> TiAlC <sub>2</sub> and Mo <sub>2</sub> TiAlC <sub>2</sub> : A first principles study. <b>2016</b> , 380, 3748-3755	19
2027	Large-Gap Quantum Spin Hall State in MXenes: d-Band Topological Order in a Triangular Lattice. <b>2016</b> , 16, 6584-6591	132

2026	Titanium carbide (MXene) nanosheets as promising microwave absorbers. <b>2016</b> , 42, 16412-16416	209
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2020	First-principles study of size- and edge-dependent properties of MXene nanoribbons. <b>2016</b> , 93,	51
2019	Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene)/polyacrylamide nanocomposite films. <b>2016</b> , 6, 72069-72073	112
2018	Electronic and Transport Properties of Ti <sub>2</sub> CO <sub>2</sub> MXene Nanoribbons. <b>2016</b> , 120, 17143-17152	35
2017	Two-Dimensional-Material Membranes: A New Family of High-Performance Separation Membranes. <b>2016</b> , 55, 13384-13397	408
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1990	Interacting Carbon Nitride and Titanium Carbide Nanosheets for High-Performance Oxygen Evolution. <b>2016</b> , 55, 1138-42	478
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1962	Transparent and conductive Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) thin film fabrication by electrohydrodynamic atomization technique. <b>2016</b> , 27, 5440-5445	36
1961	Hybrids of Two-Dimensional Ti <sub>3</sub> C <sub>2</sub> and TiO <sub>2</sub> Exposing {001} Facets toward Enhanced Photocatalytic Activity. <b>2016</b> , 8, 6051-60	424
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1957	Antibacterial Activity of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene. <b>2016</b> , 10, 3674-84	555
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1955	Promising electron mobility and high thermal conductivity in Sc <sub>2</sub> CT <sub>2</sub> (T = F, OH) MXenes. <b>2016</b> , 8, 6110-7	141

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1953	Control of electronic properties of 2D carbides (MXenes) by manipulating their transition metal layers. <b>2016</b> , 1, 227-234	242
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1950	Excellent energy/power characteristics from a hybrid sodium ion capacitor based on identical carbon nanosheets in both electrodes. <b>2016</b> , 4, 5149-5158	144
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1948	MoSe <sub>2</sub> nanosheets grown on carbon cloth with superior electrochemical performance as flexible electrode for sodium ion batteries. <b>2016</b> , 6, 1440-1444	77
1947	Preparation, mechanical and anti-friction performance of MXene/polymer composites. <b>2016</b> , 92, 682-689	183
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1932	Emerging nanostructured electrode materials for water electrolysis and rechargeable beyond Li-ion batteries. <b>2017</b> , 2, 211-253	22
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1898	Phase and Facet Control of Molybdenum Carbide Nanosheet Observed by In Situ TEM. <b>2017</b> , 13, 1700051	25
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1896	Preparation of Ti <sub>3</sub> C <sub>2</sub> and Ti <sub>2</sub> C MXenes by fluoride salts etching and methane adsorptive properties. <b>2017</b> , 416, 781-789	213
1895	Two-dimensional MXenes for energy storage and conversion applications. <b>2017</b> , 5, 22-36	75
1894	Materials Chemistry of Inorganic Nanosheets Overview and History. <b>2017</b> , 3-31	
1893	Synthesis of TiAuC, TiAuC and TiIrC by noble metal substitution reaction in TiSiC for high-temperature-stable Ohmic contacts to SiC. <b>2017</b> , 16, 814-818	99
1892	A hierarchical NiO/NiMn-layered double hydroxide nanosheet array on Ni foam for high performance supercapacitors. <b>2017</b> , 46, 7388-7391	73
1891	TiC MXene-Derived Sodium/Potassium Titanate Nanoribbons for High-Performance Sodium/Potassium Ion Batteries with Enhanced Capacities. <b>2017</b> , 11, 4792-4800	412
1890	Magnetic properties of nanolaminated (Mo <sub>0.5</sub> Mn <sub>0.5</sub> ) <sub>2</sub> GaC MAX phase. <b>2017</b> , 121, 163904	21
1889	Effect of surface termination on ion intercalation selectivity of bilayer Ti <sub>3</sub> C <sub>2</sub> T <sub>2</sub> (T = F, O and OH) MXene. <b>2017</b> , 416, 725-730	50
1888	Phase transition and in situ construction of lateral heterostructure of 2D superconducting $\sqrt{3}\times\sqrt{3}$ MoC with sharp interface by electron beam irradiation. <b>2017</b> , 9, 7501-7507	21
1887	Chemical bonding and electronic-structure in MAX phases as viewed by X-ray spectroscopy and density functional theory. <b>2017</b> , 621, 108-130	100
1886	Electronic and optical properties of pentagonal-B <sub>2</sub> C monolayer: A first-principles calculation. <b>2017</b> , 31, 1750044	22
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1883	Template-free 3D titanium carbide (TiC) MXene particles crumpled by capillary forces. <b>2016</b> , 53, 400-403	195

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1879	Electrically Transduced Sensors Based on Nanomaterials (2012-2016). <b>2017</b> , 89, 249-275	54
1878	Interdiffusion Reaction-Assisted Hybridization of Two-Dimensional Metal-Organic Frameworks and TiCT Nanosheets for Electrocatalytic Oxygen Evolution. <b>2017</b> , 11, 5800-5807	388
1877	Sb <sub>2</sub> O <sub>3</sub> /MXene(Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> ) hybrid anode materials with enhanced performance for sodium-ion batteries. <b>2017</b> , 5, 12445-12452	190
1876	Achieving high-rate capacitance of multi-layer titanium carbide (MXene) by liquid-phase exfoliation through Li-intercalation. <b>2017</b> , 81, 48-51	27
1875	Ti <sub>2</sub> CO <sub>2</sub> MXene: a highly active and selective photocatalyst for CO <sub>2</sub> reduction. <b>2017</b> , 5, 12899-12903	148
1874	Prediction of T- and H-Phase Two-Dimensional Transition-Metal Carbides/Nitrides and Their Semiconducting-Metallic Phase Transition. <b>2017</b> , 18, 1897-1902	22
1873	A simple high-yield synthesis of high-purity H <sub>11</sub> g carbide (H <sub>11</sub> FeC) nanoparticles with extraordinary electrochemical properties. <b>2017</b> , 9, 10440-10446	15
1872	Metal Immiscibility Route to Synthesis of Ultrathin Carbides, Borides, and Nitrides. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700364	24 38
1871	2D Black Phosphorus for Energy Storage and Thermoelectric Applications. <b>2017</b> , 13, 1700661	113
1870	Recent advances in transition-metal dichalcogenides based electrochemical biosensors: A review. <b>2017</b> , 97, 305-316	218
1869	In vitro studies on cytotoxicity of delaminated TiC MXene. <b>2017</b> , 339, 1-8	120
1868	Layered PVB/Ba <sub>3</sub> Co <sub>2</sub> Fe <sub>24</sub> O <sub>41</sub> /Ti <sub>3</sub> C <sub>2</sub> Mxene composite: Enhanced electromagnetic wave absorption properties with high impedance match in a wide frequency range. <b>2017</b> , 200, 179-186	74
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1866	Laminated and Two-Dimensional Carbon-Supported Microwave Absorbers Derived from MXenes. <b>2017</b> , 9, 20038-20045	229
1865	Nitrogen-doped graphene and titanium carbide nanosheet synergistically reinforced epoxy composites as high-performance microwave absorbers. <b>2017</b> , 7, 27755-27761	60

1864	Tunable Magnetism and Transport Properties in Nitride MXenes. <b>2017</b> , 11, 7648-7655	190
1863	Electrochemical performance of MXenes as K-ion battery anodes. <b>2017</b> , 53, 6883-6886	106
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1860	Linear humidity sensor fabrication using bi-layered active region of transition metal carbide and polymer thin films. <b>2017</b> , 252, 725-734	25
1859	Two-Dimensional MXenes as Catalysts for Electrochemical Hydrogen Evolution: A Computational Screening Study. <b>2017</b> , 121, 13593-13598	115
1858	Environmental Friendly Scalable Production of Colloidal 2D Titanium Carbonitride MXene with Minimized Nanosheets Restacking for Excellent Cycle Life Lithium-Ion Batteries. <b>2017</b> , 235, 690-699	129
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1852	Functional group-dependent anchoring effect of titanium carbide-based MXenes for lithium-sulfur batteries: A computational study. <b>2017</b> , 412, 591-598	98
1851	Structural formation and charge storage mechanisms for intercalated two-dimensional carbides MXenes. <b>2017</b> , 19, 9509-9518	15
1850	High-Throughput Survey of Ordering Configurations in MXene Alloys Across Compositions and Temperatures. <b>2017</b> , 11, 4407-4418	97
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1839	Improved capacitance of nitrogen-doped delaminated two-dimensional titanium carbide by urea-assisted synthesis. <b>2017</b> , 225, 416-424	91
1838	Few-layer arsenic trichalcogenides: Emerging two-dimensional semiconductors with tunable indirect-direct band-gaps. <b>2017</b> , 699, 554-560	23
1837	Controlled growth of ultrathin Mo <sub>2</sub> C superconducting crystals on liquid Cu surface. <b>2017</b> , 4, 011012	67
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1826	Electrochemical etching of Ti <sub>2</sub> AlC to Ti <sub>2</sub> CT <sub>x</sub> (MXene) in low-concentration hydrochloric acid solution. <b>2017</b> , 5, 21663-21668	186
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1790	Encapsulation of two-dimensional materials inside carbon nanotubes: Towards an enhanced synthesis of single-layered metal halides. <b>2017</b> , 123, 129-134		17
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1784	A MXene based all-solid-state microsupercapacitor with 3D interdigital electrode. <b>2017</b> ,		5
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1767	Theoretical prediction of two-dimensional functionalized MXene nitrides as topological insulators. <b>2017</b> , 96,	50
1766	Two-dimensional multilayer M <sub>2</sub> CO <sub>2</sub> (M = Sc, Zr, Hf) as photocatalysts for hydrogen production from water splitting: a first principles study. <b>2017</b> , 5, 24972-24980	53
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1764	Tension-Tailored Electronic and Magnetic Switching of 2D Ti <sub>2</sub> NO <sub>2</sub> . <b>2017</b> , 121, 25729-25735	24
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1754	Atomistic simulation of two-dimensional titanium carbide Ti <sub>2</sub> C fracture under uniform tensile strain. <b>2017</b> ,		1
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1751	Recent trends in multi-layered architectures towards screening electromagnetic radiation: challenges and perspectives. <b>2017</b> , 5, 7390-7403		78
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1748	Nitrogen and Sulfur Co-Doped 2D Titanium Carbides for Enhanced Electrochemical Performance. <b>2017</b> , 164, A1939-A1945		49
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1737	2D Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene)-reinforced polyvinyl alcohol (PVA) nanofibers with enhanced mechanical and electrical properties. <b>2017</b> , 12, e0183705	62
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1735	Rheological Characteristics of 2D Titanium Carbide (MXene) Dispersions: A Guide for Processing MXenes. <b>2018</b> , 12, 2685-2694	155
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1728	2D Black Phosphorus: from Preparation to Applications for Electrochemical Energy Storage. <b>2018</b> , 5, 1700491	109
1727	Recent Developments in 2D Nanomaterials for Chemiresistive-Type Gas Sensors. <b>2018</b> , 14, 221-260	120
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1721	Boosting the Photocatalytic Activity of P25 for Carbon Dioxide Reduction by using a Surface-Alkalinized Titanium Carbide MXene as Cocatalyst. <b>2018</b> , 11, 1606-1611	142

1720	g-C <sub>3</sub> N <sub>4</sub> /Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXenes) composite with oxidized surface groups for efficient photocatalytic hydrogen evolution. <b>2018</b> , 6, 9124-9131	162
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1712	Recent advances in functional modification of separators in lithium-sulfur batteries. <b>2018</b> , 47, 6881-6887	38
1711	Laminated Hybrid Junction of Sulfur-Doped TiO and a Carbon Substrate Derived from TiC MXenes: Toward Highly Visible Light-Driven Photocatalytic Hydrogen Evolution. <b>2018</b> , 5, 1700870	108
1710	The influence of surface functionalization on thermal transport and thermoelectric properties of MXene monolayers. <b>2018</b> , 10, 8859-8868	72
1709	Formation of quasi-core-shell In <sub>2</sub> S <sub>3</sub> /anatase TiO <sub>2</sub> @metallic Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> hybrids with favorable charge transfer channels for excellent visible-light-photocatalytic performance. <b>2018</b> , 233, 213-225	211
1708	Fluorine-Free Synthesis of High-Purity Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (T=OH, O) via Alkali Treatment. <b>2018</b> , 57, 6115-6119	387
1707	A novel plane-line-plane nanostructure of the sandwich-like CNTs@SnO <sub>2</sub> /Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> 3D nanocomposite as a promising anode for lithium-ion batteries. <b>2018</b> , 44, 11757-11764	7
1706	Ultrathin 2D Transition Metal Carbides for Ultrafast Pulsed Fiber Lasers. <b>2018</b> , 5, 1808-1816	96
1705	Janus single layers of In <sub>2</sub> SSe: A first-principles study. <b>2018</b> , 97,	65
1704	Computational Screening of 2D Materials and Rational Design of Heterojunctions for Water Splitting Photocatalysts. <b>2018</b> , 2, 1700359	96
1703	One-step synthesis of 2D-layered carbon wrapped transition metal nitrides from transition metal carbides (MXenes) for supercapacitors with ultrahigh cycling stability. <b>2018</b> , 54, 2755-2758	45

1702	Electronic and transport properties for Ti <sub>3</sub> C <sub>2</sub> O <sub>2</sub> under the influence of a vertical electric field and stacking number. <b>2018</b> , 147, 186-193	3
1701	All-MXene-Based Integrated Electrode Constructed by TiC Nanoribbon Framework Host and Nanosheet Interlayer for High-Energy-Density Li-S Batteries. <b>2018</b> , 12, 2381-2388	258
1700	Silver nanoparticles modified two-dimensional transition metal carbides as nanocarriers to fabricate acetylcholinesterase-based electrochemical biosensor. <b>2018</b> , 339, 547-556	100
1699	Recently synthesized (Zr <sub>1-x</sub> Ti <sub>x</sub> ) <sub>2</sub> AlC (0 ≤ x ≤ 1) solid solutions: Theoretical study of the effects of M mixing on physical properties. <b>2018</b> , 743, 146-154	45
1698	MBene (MnB): a new type of 2D metallic ferromagnet with high Curie temperature. <b>2018</b> , 3, 335-341	99
1697	Emergent Pseudocapacitance of 2D Nanomaterials. <b>2018</b> , 8, 1702930	172
1696	Ultrasonic assisted etching and delaminating of Ti <sub>3</sub> C <sub>2</sub> Mxene. <b>2018</b> , 44, 7084-7087	21
1695	Microstructure evolution, mechanical and tribological properties of Ti <sub>3</sub> (Al,Sn)C <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> composites. <b>2018</b> , 38, 2502-2510	7
1694	Improving the electrochemical properties of MXene Ti <sub>3</sub> C <sub>2</sub> multilayer for Li-ion batteries by vacuum calcination. <b>2018</b> , 265, 140-150	69
1693	Two-dimensional titanium carbide (MXene)-based solid-state electrochemiluminescent sensor for label-free single-nucleotide mismatch discrimination in human urine. <b>2018</b> , 263, 400-407	68
1692	High-throughput theoretical optimization of the hydrogen evolution reaction on MXenes by transition metal modification. <b>2018</b> , 6, 4271-4278	140
1691	A Strategy for Synthesis of Carbon Nitride Induced Chemically Doped 2D MXene for High-Performance Supercapacitor Electrodes. <b>2018</b> , 8, 1703173	128
1690	Exploring Two-Dimensional Materials toward the Next-Generation Circuits: From Monomer Design to Assembly Control. <b>2018</b> , 118, 6236-6296	261
1689	Role of Interfaces in Two-Dimensional Photocatalyst for Water Splitting. <b>2018</b> , 8, 2253-2276	558
1688	Condition optimization for exfoliation of two dimensional titanium carbide (TiCT). <b>2018</b> , 29, 095605	35
1687	In situ synthesis of CNTs@Ti <sub>3</sub> C <sub>2</sub> hybrid structures by microwave irradiation for high-performance anodes in lithium ion batteries. <b>2018</b> , 6, 3543-3551	83
1686	Achieving of Flexible, Free-Standing, Ultracompact Delaminated Titanium Carbide Films for High Volumetric Performance and Heat-Resistant Symmetric Supercapacitors. <b>2018</b> , 28, 1705487	79
1685	The rapid emergence of two-dimensional nanomaterials for high-performance separation membranes. <b>2018</b> , 6, 3773-3792	159

1684	Fabrication of tunable hierarchical MXene@AuNPs nanocomposites constructed by self-reduction reactions with enhanced catalytic performances. <b>2018</b> , 61, 728-736	140
1683	Intriguing electronic structures and optical properties of two-dimensional van der Waals heterostructures of Zr <sub>2</sub> CT <sub>2</sub> (T = O, F) with MoSe <sub>2</sub> and WSe <sub>2</sub> . <b>2018</b> , 6, 2830-2839	43
1682	Wearable energy sources based on 2D materials. <b>2018</b> , 47, 3152-3188	158
1681	Intercalation and delamination of two-dimensional MXene (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> ) and application in sodium-ion batteries. <b>2018</b> , 219, 45-50	51
1680	2D transition metal carbide MXene as a robust biosensing platform for enzyme immobilization and ultrasensitive detection of phenol. <b>2018</b> , 107, 69-75	153
1679	ZrSi: an antiferromagnetic Dirac MXene. <b>2018</b> , 20, 3946-3952	10
1678	Structural, magnetic and electrical transport properties of non-conventionally prepared MAX phases V <sub>2</sub> AlC and (V/Mn) <sub>2</sub> AlC. <b>2018</b> , 2, 483-490	18
1677	Clay-Inspired MXene-Based Electrochemical Devices and Photo-Electrocatalyst: State-of-the-Art Progresses and Challenges. <i>Advanced Materials</i> , <b>2018</b> , 30, e1704561	24 301
1676	Genuine Unilamellar Metal Oxide Nanosheets Confined in a Superlattice-like Structure for Superior Energy Storage. <b>2018</b> , 12, 1768-1777	92
1675	MXene-derived TiO <sub>2</sub> @C/g-C <sub>3</sub> N <sub>4</sub> heterojunctions for highly efficient nitrogen photofixation. <b>2018</b> , 6, 4102-4110	249
1674	Two-dimensional nanostructures for sodium-ion battery anodes. <b>2018</b> , 6, 3284-3303	169
1673	Alkali treated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXenes and their dye adsorption performance. <b>2018</b> , 206, 270-276	96
1672	MoS <sub>2</sub> intercalated p-Ti <sub>3</sub> C <sub>2</sub> anode materials with sandwich-like three dimensional conductive networks for lithium-ion batteries. <b>2018</b> , 735, 1262-1270	59
1671	Chemically functionalized two-dimensional titanium carbide MXene by in situ grafting-intercalating with diazonium ions to enhance supercapacitive performance. <b>2018</b> , 115, 172-179	47
1670	Tuning lattice spacing in titanate nanowire arrays for enhanced sodium storage and long-term stability. <b>2018</b> , 45, 337-345	26
1669	MoS <sub>2</sub> -on-MXene Heterostructures as Highly Reversible Anode Materials for Lithium-Ion Batteries. <b>2018</b> , 130, 1864-1868	56
1668	MoS <sub>2</sub> -on-MXene Heterostructures as Highly Reversible Anode Materials for Lithium-Ion Batteries. <b>2018</b> , 57, 1846-1850	375
1667	Composites of Proteins and 2D Nanomaterials. <b>2018</b> , 28, 1704990	31

1666	TiC MXene: a promising microwave absorbing material.. <b>2018</b> , 8, 2398-2403		109
1665	Saturable Absorption in 2D Ti C MXene Thin Films for Passive Photonic Diodes. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705714	24	213
1664	A Scalable Synthesis Pathway to Nanoporous Metal Structures. <b>2018</b> , 12, 432-440		29
1663	The S-functionalized TiC Mxene as a high capacity electrode material for Na-ion batteries: a DFT study. <b>2018</b> , 10, 3385-3392		89
1662	3D Porous MXene (TiC)/Reduced Graphene Oxide Hybrid Films for Advanced Lithium Storage. <b>2018</b> , 10, 3634-3643		185
1661	Novel titanium nitride halide TiNX (X = F, Cl, Br) monolayers: potential materials for highly efficient excitonic solar cells. <b>2018</b> , 6, 2073-2080		51
1660	Effects of point defects on the magnetoelectronic structures of MXenes from first principles. <b>2018</b> , 20, 4012-4019		48
1659	Photoluminescence Quenching in Self-Assembled CsPbBr <sub>3</sub> Quantum Dots on Few-Layer Black Phosphorus Sheets. <b>2018</b> , 130, 7808-7812		14
1658	Layer-by-layer self-assembled two-dimensional MXene/layered double hydroxide composites as cathode for alkaline hybrid batteries. <b>2018</b> , 390, 208-214		37
1657	Microporosity as a new property control factor in graphene-like 2D allotropes. <b>2018</b> , 6, 10348-10353		12
1656	3D Synergistical MXene/Reduced Graphene Oxide Aerogel for a Piezoresistive Sensor. <b>2018</b> , 12, 3209-3216		415
1655	Surface Functional Groups and Interlayer Water Determine the Electrochemical Capacitance of TiC T MXene. <b>2018</b> , 12, 3578-3586		259
1654	Heterostructures of MXenes and N-doped graphene as highly active bifunctional electrocatalysts. <b>2018</b> , 10, 10876-10883		154
1653	Electronic and vibrational properties of V <sub>2</sub> C-based MXenes: From experiments to first-principles modeling. <b>2018</b> , 97,		95
1652	TiO <sub>2</sub> /MXene Ti <sub>3</sub> C <sub>2</sub> composite with excellent photocatalytic CO <sub>2</sub> reduction activity. <b>2018</b> , 361, 255-266		397
1651	Universal Descriptor for Large-Scale Screening of High-Performance MXene-Based Materials for Energy Storage and Conversion. <b>2018</b> , 30, 2687-2693		47
1650	MXene-Based Electrode with Enhanced Pseudocapacitance and Volumetric Capacity for Power-Type and Ultra-Long Life Lithium Storage. <b>2018</b> , 12, 3928-3937		120
1649	Electrosynthesis of Two-Dimensional TiC and C Materials from Ti <sub>3</sub> SiC <sub>2</sub> in Molten Salt. <b>2018</b> , 165, D190-D195		3



1648	Peaked dielectric responses in Ti3C2 MXene nanosheets enabled composites with efficient microwave absorption. <b>2018</b> , 123, 104103	61
1647	Ultra-sensitive electrocatalytic detection of bromate in drinking water based on Nafion/Ti3C2Tx (MXene) modified glassy carbon electrode. <b>2018</b> , 265, 652-659	92
1646	Two-dimensional halide perovskite nanomaterials and heterostructures. <b>2018</b> , 47, 6046-6072	244
1645	Superior electronic structure of two-dimensional 3d transition metal dicarbides for applications in spintronics. <b>2018</b> , 6, 4290-4299	15
1644	Material Chemistry of Two-Dimensional Inorganic Nanosheets in Cancer Theranostics. <b>2018</b> , 4, 1284-1313	111
1643	Ultrathin MXene nanosheets with rich fluorine termination groups realizing efficient electrocatalytic hydrogen evolution. <b>2018</b> , 47, 512-518	152
1642	Band Engineering of Carbon Nitride Monolayers by N-Type, P-Type, and Isoelectronic Doping for Photocatalytic Applications. <b>2018</b> , 10, 11143-11151	66
1641	Antiferromagnetic monolayer MnC with density functional theory prediction. <b>2018</b> , 30, 175301	3
1640	Preparation and electrochemical performances of doped MXene/poly(3,4-ethylenedioxythiophene) composites. <b>2018</b> , 220, 305-308	28
1639	Vacuum-Assisted Low-Temperature Synthesis of Reduced Graphene Oxide Thin-Film Electrodes for High-Performance Transparent and Flexible All-Solid-State Supercapacitors. <b>2018</b> , 10, 11008-11017	43
1638	Dynamic charge acceptance and hydrogen evolution of a new MXene additive in advanced lead-acid batteries via a rapid screening three-electrode method. <b>2018</b> , 54, 3456-3459	10
1637	Old materials with new properties II: The metal carbides. <b>2018</b> , 18, 12-14	17
1636	Broadband Nonlinear Photonics in Few-Layer MXene Ti3C2Tx (T = F, O, or OH). <b>2018</b> , 12, 1700229	438
1635	Hybridizing polypyrrole chains with laminated and two-dimensional Ti3C2Tx toward high-performance electromagnetic wave absorption. <b>2018</b> , 434, 283-293	96
1634	Recent Applications of 2D Inorganic Nanosheets for Emerging Energy Storage System. <b>2018</b> , 24, 4757-4773	40
1633	Synthesis of SnS nanoparticle-modified MXene (Ti3C2Tx) composites for enhanced sodium storage. <b>2018</b> , 732, 448-453	83
1632	Chemical bonding in carbide MXene nanosheets. <b>2018</b> , 224, 27-32	41
1631	Synthesis and characterization of textured Ti2AlC reinforced magnesium composite. <b>2018</b> , 730, 191-195	16

1630	Doped phosphorene for hydrogen capture: A DFT study. <b>2018</b> , 433, 249-255	38
1629	Top-down synthesis of interconnected two-dimensional carbon/antimony hybrids as advanced anodes for sodium storage. <b>2018</b> , 10, 122-129	36
1628	On the organization and thermal behavior of functional groups on Ti <sub>3</sub> C <sub>2</sub> MXene surfaces in vacuum. <b>2018</b> , 5, 015002	146
1627	First-principles study of a MXene terahertz detector. <b>2017</b> , 10, 69-75	48
1626	First-principle study of the Nbn+1CnT2 systems as electrode materials for supercapacitors. <b>2018</b> , 143, 225-231	19
1625	Applications of Phosphorene and Black Phosphorus in Energy Conversion and Storage Devices. <b>2018</b> , 8, 1702093	272
1624	Two-dimensional nanosheets as building blocks to construct three-dimensional structures for lithium storage. <b>2018</b> , 27, 128-145	19
1623	Theranostic 2D Tantalum Carbide (MXene). <i>Advanced Materials</i> , <b>2018</b> , 30, 1703284	24 279
1622	Host-Guest Interaction Creates Hydrogen-Evolution Electrocatalytic Active Sites in 3d Transition Metal-Intercalated Titanates. <b>2018</b> , 10, 696-703	13
1621	Molecular-Level Heterostructures Assembled from Titanium Carbide MXene and Ni(OH) <sub>2</sub> Layered Double-Hydroxide Nanosheets for All-Solid-State Flexible Asymmetric High-Energy Supercapacitors. <b>2018</b> , 3, 132-140	173
1620	Bending rigidity of two-dimensional titanium carbide (MXene) nanoribbons: A molecular dynamics study. <b>2018</b> , 143, 418-424	74
1619	Metallic MXenes: A new family of materials for flexible triboelectric nanogenerators. <b>2018</b> , 44, 103-110	178
1618	Square transition-metal carbides MC (M = Mo, W) as stable two-dimensional Dirac cone materials. <b>2018</b> , 20, 732-737	6
1617	Tracking Ionic Rearrangements and Interpreting Dynamic Volumetric Changes in Two-Dimensional Metal Carbide Supercapacitors: A Molecular Dynamics Simulation Study. <b>2018</b> , 11, 1892-1899	24
1616	Recent progress in 2D materials for flexible supercapacitors. <b>2018</b> , 27, 57-72	129
1615	Hydrogen Bonding Directed Colloidal Self-Assembly of Nanoparticles into 2D Crystals, Capsids, and Supracolloidal Assemblies. <b>2018</b> , 28, 1704328	37
1614	Recent progress in two-dimensional inorganic quantum dots. <b>2018</b> , 47, 586-625	169
1613	Non-uniformly functionalized titanium carbide-based MXenes as an anchoring material for Li-S batteries: A first-principles calculation. <b>2018</b> , 435, 210-215	36

1612	Advanced Energy Storage Devices: Basic Principles, Analytical Methods, and Rational Materials Design. <b>2018</b> , 5, 1700322	630
1611	Chemical vapor deposition growth of two-dimensional heterojunctions. <b>2018</b> , 61, 1	42
1610	Polybenzimidazole/Mxene composite membranes for intermediate temperature polymer electrolyte membrane fuel cells. <b>2018</b> , 29, 035403	32
1609	A Red-Phosphorous-Assisted Ball-Milling Synthesis of Few-Layered Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) Nanodot Composite. <b>2018</b> , 4, 56-60	29
1608	MXene-based materials for electrochemical energy storage. <b>2018</b> , 27, 73-85	354
1607	Topochemical synthesis of 2D materials. <b>2018</b> , 47, 8744-8765	142
1606	Low temperature solution synthesis of reduced two dimensional TiC MXenes with paramagnetic behaviour. <b>2018</b> , 10, 22429-22438	41
1605	A synergetic stabilization and strengthening strategy for two-dimensional ordered hybrid transition metal carbides. <b>2018</b> , 20, 29684-29692	7
1604	Multi-modal, ultrasensitive, wide-range humidity sensing with TiC film. <b>2018</b> , 10, 21689-21695	45
1603	Polyoxometalate-coupled MXene nanohybrid via poly(ionic liquid) linkers and its electrode for enhanced supercapacitive performance. <b>2018</b> , 10, 20043-20052	36
1602	Ti <sub>3</sub> C <sub>2</sub> MXene as an excellent anode material for high-performance microbial fuel cells. <b>2018</b> , 6, 20887-20895	33
1601	Polypyrrole-MXene coated textile-based flexible energy storage device.. <b>2018</b> , 8, 39742-39748	45
1600	Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (T = F, OH) MXene nanosheets: conductive 2D catalysts for ambient electrohydrogenation of N <sub>2</sub> to NH <sub>3</sub> . <b>2018</b> , 6, 24031-24035	169
1599	2H-1T' phase transformation in Janus monolayer MoSSe and MoSTe: an efficient hole injection contact for 2H-MoS <sub>2</sub> . <b>2018</b> , 6, 13000-13005	21
1598	A general gelation strategy for 1D nanowires: dynamically stable functional gels for 3D printing flexible electronics. <b>2018</b> , 10, 20096-20107	30
1597	Terahertz Spectroscopy of 2D Materials. <b>2018</b> ,	1
1596	Two-dimensional nanosheet-based gas separation membranes. <b>2018</b> , 6, 23169-23196	70
1595	Optimizing special quasirandom structure (SQS) models for accurate functional property prediction in disordered 2D alloys. <b>2018</b> , 30, 485402	1

1594	Two-Dimensional Titanium Carbonitride Mxene for High-Performance Sodium Ion Batteries. <b>2018</b> , 1, 6854-6863		35
1593	Two-Dimensional, Ordered, Double Transition Metal Carbides (MXenes): A New Family of Promising Catalysts for the Hydrogen Evolution Reaction. <b>2018</b> , 122, 28113-28122		58
1592	First-Principles Studies of Adsorptive Remediation of Water and Air Pollutants Using Two-Dimensional MXene Materials. <b>2018</b> , 11,		13
1591	Electronic and Optical Properties of 2D Transition Metal Carbides and Nitrides (MXenes). <i>Advanced Materials</i> , <b>2018</b> , 30, e1804779	24	464
1590	Electrochemical Determination of Adrenaline Using MXene/Graphite Composite Paste Electrodes. <b>2018</b> , 10, 43343-43351		76
1589	Insights into High Conductivity of the Two-Dimensional Iodine-Oxidized sp-c-COF. <b>2018</b> , 10, 43595-43602		17
1588	Humidity Exposure Enhances Microscopic Mobility in a Room-Temperature Ionic Liquid in MXene. <b>2018</b> , 122, 27561-27566		11
1587	A Conductive and Highly Deformable All-Pseudocapacitive Composite Paper as Supercapacitor Electrode with Improved Areal and Volumetric Capacitance. <b>2018</b> , 14, e1803786		104
1586	Fabrication of Nonwetting Flexible Free-Standing MXene-Carbon Fabric for Electromagnetic Shielding in S-Band Region. <b>2018</b> , 39, 1412-1419		19
1585	Recent Progress of MXene-Based Nanomaterials in Flexible Energy Storage and Electronic Devices. <b>2018</b> , 1, 183-195		87
1584	Polyoxometalate-Derived Hexagonal Molybdenum Nitrides (MXenes) Supported by Boron, Nitrogen Codoped Carbon Nanotubes for Efficient Electrochemical Hydrogen Evolution from Seawater. <b>2018</b> , 29, 1805893		31
1583	Rational Construction of TiCT /Co-MOF-Derived Laminated Co/TiO-C Hybrids for Enhanced Electromagnetic Wave Absorption. <b>2018</b> , 34, 15854-15863		53
1582	Ultrathin Biomimetic Polymeric TiCT MXene Composite Films for Electromagnetic Interference Shielding. <b>2018</b> , 10, 44787-44795		168
1581	Two-dimensional transition metal carbides as supports for tuning the chemistry of catalytic nanoparticles. <b>2018</b> , 9, 5258		117
1580	Exploring the synergy of 2D MXene-supported black phosphorus quantum dots in hydrogen and oxygen evolution reactions. <b>2018</b> , 6, 21255-21260		100
1579	Fluoride-Free Synthesis of Two-Dimensional Titanium Carbide (MXene) Using A Binary Aqueous System. <b>2018</b> , 130, 15717-15721		93
1578	Multifunctional, Superelastic, and Lightweight MXene/Polyimide Aerogels. <b>2018</b> , 14, e1802479		246
1577	Tunable optical and electronic properties of gallium telluride monolayer for photovoltaic absorbers and ultraviolet detectors. <b>2018</b> , 713, 46-51		37

1576	MXene Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> saturable absorber for pulsed laser at 1.3 $\mu$ m. <b>2018</b> , 27, 094214	29
1575	Architecturally Robust Graphene-Encapsulated MXene TiCT @Polyaniline Composite for High-Performance Pouch-Type Asymmetric Supercapacitor. <b>2018</b> , 10, 34212-34221	92
1574	2D Metal Carbides and Nitrides (MXenes) as High-Performance Electrode Materials for Lithium-Based Batteries. <b>2018</b> , 8, 1801897	221
1573	Ti <sub>3</sub> C <sub>2</sub> MXene-derived Ti <sub>3</sub> C <sub>2</sub> /TiO <sub>2</sub> nanoflowers for noble-metal-free photocatalytic overall water splitting. <b>2018</b> , 13, 217-227	155
1572	Advances in Organic Solvent Nanofiltration Rely on Physical Chemistry and Polymer Chemistry. <b>2018</b> , 6, 511	41
1571	Fluoride-Free Synthesis of Two-Dimensional Titanium Carbide (MXene) Using A Binary Aqueous System. <b>2018</b> , 57, 15491-15495	195
1570	Two-dimensional nanomaterial based sensors for heavy metal ions. <b>2018</b> , 185, 478	37
1569	Self-assembled MXene(Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> )/Fe <sub>2</sub> O <sub>3</sub> nanocomposite as negative electrode material for supercapacitors. <b>2018</b> , 292, 31-38	53
1568	Fluorescent TiC MXene quantum dots for an alkaline phosphatase assay and embryonic stem cell identification based on the inner filter effect. <b>2018</b> , 10, 19579-19585	68
1567	Enhanced electrocatalytic activity by chemical nitridation of two-dimensional titanium carbide MXene for hydrogen evolution. <b>2018</b> , 6, 20869-20877	79
1566	One-pot synthesis of 2D Ti <sub>3</sub> C <sub>2</sub> /Ni <sub>2</sub> CO <sub>3</sub> (OH) <sub>2</sub> composite as electrode material with superior capacity and high stability for hybrid supercapacitor. <b>2018</b> , 292, 168-179	23
1565	Transition metal modification and carbon vacancy promoted Cr <sub>2</sub> CO <sub>2</sub> (MXenes): a new opportunity for a highly active catalyst for the hydrogen evolution reaction. <b>2018</b> , 6, 20956-20965	48
1564	Universal TiC MXenes Based Self-Standard Ratiometric Fluorescence Resonance Energy Transfer Platform for Highly Sensitive Detection of Exosomes. <b>2018</b> , 90, 12737-12744	156
1563	A fast approach to the synthesis of MO/CNT/Fe hybrid nanostructures built on MXene for enhanced Li-ion uptake. <b>2018</b> , 44, 22456-22461	3
1562	Facile synthesis of ultrasmall Fe <sub>3</sub> O <sub>4</sub> nanoparticles on MXenes for high microwave absorption performance. <b>2018</b> , 115, 371-382	154
1561	MXene/CNTs films prepared by electrophoretic deposition for supercapacitor electrodes. <b>2018</b> , 830-831, 1-6	25
1560	Beyond Graphene Anode Materials for Emerging Metal Ion Batteries and Supercapacitors. <b>2018</b> , 10, 70	78
1559	Chemical Stability of Ti <sub>3</sub> C <sub>2</sub> MXene with Al in the Temperature Range 500-700 °C. <b>2018</b> , 11,	23

1558	First-Principles Study on the Stabilities, Electronic and Optical Properties of GeSnSe Alloys. <b>2018</b> , 8,	1
1557	Insight into the catalytic activity of MXenes for hydrogen evolution reaction. <b>2018</b> , 63, 1397-1403	29
1556	Material Design for Photocatalytic Water Splitting from a Theoretical Perspective. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802106	24 146
1555	Preparation of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene-Derived Quantum Dots with White/Blue-Emitting Photoluminescence and Electrochemiluminescence. <b>2018</b> , 6, 1800951	42
1554	Mxene-Directed Dual Amphiphilicity at Liquid, Solid, and Gas Interfaces. <b>2018</b> , 13, 3850-3854	2
1553	Intertwined Titanium Carbide MXene within a 3 D Tangled Polypyrrole Nanowires Matrix for Enhanced Supercapacitor Performances. <b>2019</b> , 25, 1037-1043	32
1552	MXene-Based Nonlinear Optical Information Converter for All-Optical Modulator and Switcher. <b>2018</b> , 12, 1800215	91
1551	Surface Modifications of Ti CO for Obtaining High Hydrogen Evolution Reaction Activity and Conductivity: A Computational Approach. <b>2018</b> , 19, 3380-3387	13
1550	Hybrid Architectures based on 2D MXenes and Low-Dimensional Inorganic Nanostructures: Methods, Synergies, and Energy-Related Applications. <b>2018</b> , 14, e1803632	37
1549	Therapeutic mesopore construction on 2D NbC MXenes for targeted and enhanced chemo-photothermal cancer therapy in NIR-II biowindow. <b>2018</b> , 8, 4491-4508	94
1548	Electrodeposition of a Ni-P-Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> /MoS <sub>2</sub> coating incorporating MoS <sub>2</sub> intercalated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> particles. <b>2018</b> , 354, 119-125	11
1547	Further surface modification by carbon coating for in-situ growth of Fe <sub>3</sub> O <sub>4</sub> nanoparticles on MXene Ti <sub>3</sub> C <sub>2</sub> multilayers for advanced Li-ion storage. <b>2018</b> , 289, 228-237	33
1546	Layer-by-Layer Assembly of Cross-Functional Semi-transparent MXene-Carbon Nanotubes Composite Films for Next-Generation Electromagnetic Interference Shielding. <b>2018</b> , 28, 1803360	270
1545	Recent advancements in 2D nanomaterials for cancer therapy. <b>2018</b> , 61, 1214-1226	37
1544	Surface Electrochemical Stability and Strain-Tunable Lithium Storage of Highly Flexible 2D Transition Metal Carbides. <b>2018</b> , 28, 1804867	21
1543	Variable range hopping and thermally activated transport in molybdenum-based MXenes. <b>2018</b> , 98,	41
1542	Tunable electronic and magneto-optical properties of monolayer arsenene: From GW0 approximation to large-scale tight-binding propagation simulations. <b>2018</b> , 98,	7
1541	Two-dimensional materials for miniaturized energy storage devices: from individual devices to smart integrated systems. <b>2018</b> , 47, 7426-7451	270

1540	A novel MnO <sub>2</sub> /Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene nanocomposite as high performance electrode materials for flexible supercapacitors. <b>2018</b> , 290, 695-703	100
1539	Liquid catalysts: an innovative solution to 2D materials in CVD processes. <b>2018</b> , 5, 1021-1034	17
1538	Ultralight MXene-Coated, Interconnected SiC <sub>n</sub> s Three-Dimensional Lamellar Foams for Efficient Microwave Absorption in the X-Band. <b>2018</b> , 10, 34524-34533	110
1537	MXene Aerogel Scaffolds for High-Rate Lithium Metal Anodes. <b>2018</b> , 130, 15248-15253	37
1536	MXene Aerogel Scaffolds for High-Rate Lithium Metal Anodes. <b>2018</b> , 57, 15028-15033	194
1535	Two-dimensional stable transition metal carbides (MnC and NbC) with prediction and novel functionalizations. <b>2018</b> , 20, 25437-25445	12
1534	Ultrathin MXene Nanosheets Decorated with TiO Quantum Dots as an Efficient Sulfur Host toward Fast and Stable Li-S Batteries. <b>2018</b> , 14, e1802443	89
1533	The dimensional and hydrogenating effect on the electronic properties of ZnSe nanomaterials: a computational investigation. <b>2018</b> , 20, 24453-24464	4
1532	Advanced Functional Carbons and Their Hybrid Nanoarchitectures towards Supercapacitor Applications. <b>2018</b> , 11, 3546-3558	56
1531	Graphene & two-dimensional devices for bioelectronics and neuroprosthetics. <b>2018</b> , 5, 042004	24
1530	Biofunctionalized two-dimensional TiC MXenes for ultrasensitive detection of cancer biomarker. <b>2018</b> , 121, 243-249	187
1529	Reduced graphene oxide bridged, TiO <sub>2</sub> modified and Mn <sub>3</sub> O <sub>4</sub> intercalated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> sandwich-like nanocomposite as a high performance anode for enhanced lithium storage applications. <b>2018</b> , 762, 643-652	13
1528	Steering a cycloaddition reaction via the surface structure. <b>2018</b> , 678, 194-200	16
1527	Novel two-dimensional semiconductor SnP <sub>3</sub> : high stability, tunable bandgaps and high carrier mobility explored using first-principles calculations. <b>2018</b> , 6, 11890-11897	99
1526	Surface Nanopore Engineering of 2D MXenes for Targeted and Synergistic Multitherapies of Hepatocellular Carcinoma. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706981	24 118
1525	Tunable electronic structure and magnetic coupling in strained two-dimensional semiconductor MnPSe <sub>3</sub> . <b>2018</b> , 13, 1	17
1524	MXene encapsulated titanium oxide nanospheres for ultra-stable and fast sodium storage. <b>2018</b> , 14, 306-313	77
1523	Enhanced Hydrogen Storage Properties and Reversibility of LiBH Confined in Two-Dimensional TiC. <b>2018</b> , 10, 19598-19604	43

1522	On the Structural Stability of MXene and the Role of Transition Metal Adatoms. <b>2018</b> , 10, 10850-10855	48
1521	Cross-plane coherent acoustic phonons in two-dimensional organic-inorganic hybrid perovskites. <b>2018</b> , 9, 2019	53
1520	Transition metal anchored C <sub>2</sub> N monolayers as efficient bifunctional electrocatalysts for hydrogen and oxygen evolution reactions. <b>2018</b> , 6, 11446-11452	133
1519	Inherent electrochemistry and charge transfer properties of few-layered two-dimensional TiCT MXene. <b>2018</b> , 10, 17030-17037	28
1518	Self-assembled MXene-based nanocomposites via layer-by-layer strategy for elevated adsorption capacities. <b>2018</b> , 553, 105-113	53
1517	Insight and control of the chemical vapor deposition growth parameters and morphological characteristics of graphene/Mo <sub>2</sub> C heterostructures over liquid catalyst. <b>2018</b> , 495, 46-53	27
1516	Adsorption of NO <sub>x</sub> (x = 1, 2) gas molecule on pristine and B atom embedded Egraphyne based on first-principles study. <b>2018</b> , 455, 484-491	24
1515	Synthesis of Two-Dimensional Nb <sub>1.33</sub> C (MXene) with Randomly Distributed Vacancies by Etching of the Quaternary Solid Solution (Nb <sub>2</sub> /3Sc <sub>1/3</sub> ) <sub>2</sub> AlC MAX Phase. <b>2018</b> , 1, 2455-2460	93
1514	Adsorptive environmental applications of MXene nanomaterials: a review.. <b>2018</b> , 8, 19895-19905	186
1513	High photoluminescence quantum yield of 18.7% by using nitrogen-doped Ti <sub>3</sub> C <sub>2</sub> MXene quantum dots. <b>2018</b> , 6, 6360-6369	104
1512	In Situ Formed Protective Barrier Enabled by Sulfur@Titanium Carbide (MXene) Ink for Achieving High-Capacity, Long Lifetime Li-S Batteries. <b>2018</b> , 5, 1800502	147
1511	MXene nanoribbons as electrocatalysts for the hydrogen evolution reaction with fast kinetics. <b>2018</b> , 20, 19390-19397	53
1510	Atomic structure of defects and dopants in 2D layered transition metal dichalcogenides. <b>2018</b> , 47, 6764-6794	106
1509	In-situ grown nanocrystal TiO <sub>2</sub> on 2D Ti <sub>3</sub> C <sub>2</sub> nanosheets for artificial photosynthesis of chemical fuels. <b>2018</b> , 51, 442-450	90
1508	Partially Etched Ti AlC as a Promising High-Capacity Lithium-Ion Battery Anode. <b>2018</b> , 11, 2677-2680	15
1507	A Solid-State Fibriform Supercapacitor Boosted by Host-Guest Hybridization between the Carbon Nanotube Scaffold and MXene Nanosheets. <b>2018</b> , 14, e1801203	99
1506	Lattice-matched heterojunctions between blue phosphorene and MXene Y <sub>2</sub> CX <sub>2</sub> (X = F, O, and Y = Zr, Hf). <b>2018</b> , 152, 256-261	4
1505	Efficient Carrier Separation and Band Structure Tuning of Two-Dimensional C <sub>2</sub> N/GaTe van der Waals Heterostructure. <b>2018</b> , 122, 15892-15902	32



1504	Solution-Plasma-Assisted Bimetallic Oxide Alloy Nanoparticles of Pt and Pd Embedded within Two-Dimensional TiCT Nanosheets as Highly Active Electrocatalysts for Overall Water Splitting. <b>2018</b> , 10, 23858-23873		71
1503	Extraordinary Areal and Volumetric Performance of Flexible Solid-State Micro-Supercapacitors Based on Highly Conductive Freestanding Ti3C2Tx Films. <b>2018</b> , 4, 1800179		68
1502	Quaternary Ti3C2Tx enhanced ionic conduction in quaternized polysulfone membrane for alkaline anion exchange membrane fuel cells. <b>2018</b> , 563, 882-887		22
1501	Voltage-Gated Ions Sieving through 2D MXene Ti3C2Tx Membranes. <b>2018</b> , 1, 3644-3652		58
1500	Atomic Cobalt Covalently Engineered Interlayers for Superior Lithium-Ion Storage. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802525	24	129
1499	Graphene and 2D-Like Nanomaterials: Different Biofunctionalization Pathways for Electrochemical Biosensor Development. <b>2018</b> , 1-35		6
1498	Controlled synthesis of nickel carbide nanoparticles and their application in lithium storage. <b>2018</b> , 352, 940-946		7
1497	The phase and morphological evolution of Ti3SiC2 MAX phase powder after HF treatment. <b>2018</b> , 44, 17992-18000		14
1496	Effect of mixed surface terminations on the structural and electrochemical properties of two-dimensional TiCT and VCT MXenes multilayers. <b>2018</b> , 10, 13520-13530		67
1495	Size-Dependent Physical and Electrochemical Properties of Two-Dimensional MXene Flakes. <b>2018</b> , 10, 24491-24498		150
1494	An Efficient Electrolytic Preparation of MAX-Phased Ti-Al-C. <b>2018</b> , 49, 2770-2778		7
1493	Two-dimensional defective tungsten oxide nanosheets as high performance photo-absorbers for efficient solar steam generation. <b>2018</b> , 185, 333-341		47
1492	Two-Dimensional Metal Nanomaterials: Synthesis, Properties, and Applications. <b>2018</b> , 118, 6409-6455		467
1491	Low-temperature synthesis of high-purity Ti2 AlC powder by microwave sintering. <b>2018</b> , 13, 798-800		1
1490	Noble metal nanostructure-decorated molybdenum disulfide nanocomposites: synthesis and applications. <b>2018</b> , 6, 5323-5334		19
1489	3D d-Ti3C2 xerogel framework decorated with core-shell SnO2@C for high-performance lithium-ion batteries. <b>2018</b> , 285, 94-102		30
1488	Recent Advances in Growth of Novel 2D Materials: Beyond Graphene and Transition Metal Dichalcogenides. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800865	24	135
1487	A chemically bonded CoNiO2 nanoparticles/MXene composite as anode for sodium-ion batteries. <b>2018</b> , 230, 173-176		43

1486	Controlled Crumpling of Two-Dimensional Titanium Carbide (MXene) for Highly Stretchable, Bendable, Efficient Supercapacitors. <b>2018</b> , 12, 8048-8059	85
1485	Insights into 2D MXenes for Versatile Biomedical Applications: Current Advances and Challenges Ahead. <b>2018</b> , 5, 1800518	245
1484	Ionic vs. van der Waals layered materials: identification and comparison of elastic anisotropy. <b>2018</b> , 6, 15828-15838	11
1483	Metal-to-insulator transition in two-dimensional ferromagnetic monolayer induced by substrate. <b>2018</b> , 27, 077106	1
1482	Self-Assemble and In Situ Formation of Ni <sub>1-x</sub> Fe <sub>x</sub> PS <sub>3</sub> Nanomosaic-Decorated MXene Hybrids for Overall Water Splitting. <b>2018</b> , 8, 1801127	131
1481	Few-layer TiCT (T = O, OH, or F) saturable absorber for a femtosecond bulk laser. <b>2018</b> , 43, 3862-3865	74
1480	A facile solvent regulated method for phase control of two-dimensional nickel-cobalt hydroxide nanosheets: Towards improved performance hybrid supercapacitors. <b>2018</b> , 218, 172-181	10
1479	Germanene Growth on Al(111): A Case Study of Interface Effect. <b>2018</b> , 122, 18669-18681	14
1478	Tuning electronic and transport properties of MoS <sub>2</sub> /Ti <sub>2</sub> C heterostructure by external strain and electric field. <b>2018</b> , 153, 417-423	8
1477	Screening Surface Structure of MXenes by High-Throughput Computation and Vibrational Spectroscopic Confirmation. <b>2018</b> , 122, 18501-18509	73
1476	2D Superparamagnetic Tantalum Carbide Composite MXenes for Efficient Breast-Cancer Theranostics. <b>2018</b> , 8, 1648-1664	116
1475	Controlling the Dimensions of 2D MXenes for Ultrahigh-Rate Pseudocapacitive Energy Storage. <b>2018</b> , 10, 25949-25954	75
1474	Functional MXene Materials: Progress of Their Applications. <b>2018</b> , 13, 2742-2757	86
1473	Flexible thermoelectric materials and devices. <b>2018</b> , 12, 366-388	286
1472	Two-Dimensional CaNbO Perovskite Nanosheets for Electron Injection Layers in Organic Light-Emitting Devices. <b>2018</b> , 10, 27885-27893	12
1471	Aggregation-Resistant 3D MXene-Based Architecture as Efficient Bifunctional Electrocatalyst for Overall Water Splitting. <b>2018</b> , 12, 8017-8028	258
1470	Two-dimensional Ti <sub>3</sub> C <sub>2</sub> coating as an emerging protective solid-lubricant for tribology. <b>2018</b> , 44, 20154-20162	57
1469	Recent advances in 2-D nanostructured metal nitrides, carbides, and phosphides electrodes for electrochemical supercapacitors [A brief review]. <b>2018</b> , 67, 12-27	78

1468	Binder-free bonding of modularized MXene thin films into thick film electrodes for on-chip micro-supercapacitors with enhanced areal performance metrics. <b>2018</b> , 6, 14876-14884	46
1467	The Graphenes Cousins From Dream to Reality. <b>2018</b> , 103-136	4
1466	Coincident modulation of lattice and electron thermal transport performance in MXenes via surface functionalization. <b>2018</b> , 20, 19689-19697	13
1465	A Review of Carbon Nanomaterials' Synthesis via the Chemical Vapor Deposition (CVD) Method. <b>2018</b> , 11,	186
1464	Synthesis and Electrochemical Properties of Two-Dimensional RGO/TiO <sub>2</sub> Nanocomposites. <b>2018</b> , 8,	58
1463	Emerging nanofabrication and quantum confinement techniques for 2D materials beyond graphene. <b>2018</b> , 2,	82
1462	Two-Dimensional Materials for Antimicrobial Applications: Graphene Materials and Beyond. <b>2018</b> , 13, 3378-3410	66
1461	Electronic and mechanical properties of stiff rhenium carbide monolayers: A first-principles investigation. <b>2018</b> , 458, 762-768	4
1460	Origin of Chemically Ordered Atomic Laminates (i-MAX): Expanding the Elemental Space by a Theoretical/Experimental Approach. <b>2018</b> , 12, 7761-7770	49
1459	TiCT nanosheets as photothermal agents for near-infrared responsive hydrogels. <b>2018</b> , 10, 15387-15392	46
1458	Highly efficient photoelectrocatalytic reduction of CO <sub>2</sub> on the Ti <sub>3</sub> C <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunction with rich Ti <sup>3+</sup> and pyri-N species. <b>2018</b> , 6, 15213-15220	63
1457	Adding a New Member to the MXene Family: Synthesis, Structure, and Electrocatalytic Activity for the Hydrogen Evolution Reaction of V <sub>4</sub> C <sub>3</sub> T <sub>x</sub> . <b>2018</b> , 1, 3908-3914	98
1456	Conductive two-dimensional metal-organic frameworks as multifunctional materials. <b>2018</b> , 54, 7873-7891	257
1455	Thick and freestanding MXene/PANI pseudocapacitive electrodes with ultrahigh specific capacitance. <b>2018</b> , 6, 22123-22133	151
1454	Hierarchically structured cellulose aerogels with interconnected MXene networks and their enhanced microwave absorption properties. <b>2018</b> , 6, 8679-8687	127
1453	Boosting electrocatalytic oxygen evolution by synergistically coupling layered double hydroxide with MXene. <b>2018</b> , 44, 181-190	304
1452	Enhanced lithium and electron diffusion of LiFePO <sub>4</sub> cathode with two-dimensional Ti <sub>3</sub> C <sub>2</sub> MXene nanosheets. <b>2018</b> , 53, 11078-11090	25
1451	Cell Configurations and Electrode Materials for Nonaqueous Sodium-Ion Capacitors: The Current State of the Field. <b>2018</b> , 2, 180006	14

1450	Reactive metal-support interactions at moderate temperature in two-dimensional niobium-carbide-supported platinum catalysts. <b>2018</b> , 1, 349-355	154
1449	TiS: a metal-shrouded two-dimensional semiconductor. <b>2018</b> , 20, 14778-14784	11
1448	Two-Dimensional Nanosheets by Rapid and Efficient Microwave Exfoliation of Layered Materials. <b>2018</b> , 30, 5932-5940	45
1447	Rationally designing S/TiCT as a cathode material with an interlayer for high-rate and long-cycle lithium-sulfur batteries. <b>2018</b> , 10, 16935-16942	33
1446	Comprehensive New Insights and Perspectives into Ti-Based Anodes for Next-Generation Alkaline Metal (Na <sup>+</sup> , K <sup>+</sup> ) Ion Batteries. <b>2018</b> , 8, 1801888	100
1445	Efficient U(VI) Reduction and Sequestration by TiCT MXene. <b>2018</b> , 52, 10748-10756	147
1444	Manipulating the mechanical properties of Ti <sub>2</sub> C MXene: Effect of substitutional doping. <b>2018</b> ,	
1443	Qualitative DFT study of lateral interactions between nitrogen molecules adsorbed on a V <sub>3</sub> C <sub>2</sub> MXene sheet. <b>2018</b> ,	2
1442	Bistacked Titanium Carbide (MXene) Anodes for Hybrid Sodium-Ion Capacitors. <b>2018</b> , 3, 2094-2100	103
1441	Vertically aligned MoS <sub>2</sub> on Ti <sub>3</sub> C <sub>2</sub> (MXene) as an improved HER catalyst. <b>2018</b> , 6, 16882-16889	89
1440	Electronic properties of silicene in BN/silicene van der Waals heterostructures. <b>2018</b> , 27, 077302	3
1439	High efficiency photocatalytic hydrogen production over ternary Cu/TiO <sub>2</sub> @Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> enabled by low-work-function 2D titanium carbide. <b>2018</b> , 53, 97-107	187
1438	Solvent-regulated preparation of well-intercalated TiCT MXene nanosheets and application for highly effective electromagnetic wave absorption. <b>2018</b> , 29, 355201	47
1437	Effects of Different Surface Functionalization and Doping on the Electronic Transport Properties of M <sub>2</sub> CT <sub>x</sub> /M <sub>2</sub> CO <sub>2</sub> Heterojunction Devices. <b>2018</b> , 122, 14908-14917	15
1436	MXene: An emerging material for sensing and biosensing. <b>2018</b> , 105, 424-435	268
1435	hybridization of an MXene/TiO/NiFeCo-layered double hydroxide composite for electrochemical and photoelectrochemical oxygen evolution.. <b>2018</b> , 8, 20576-20584	46
1434	Theoretical investigation of zirconium carbide MXenes as prospective high capacity anode materials for Na-ion batteries. <b>2018</b> , 6, 13652-13660	56
1433	MXenes stretch hydrogel sensor performance to new limits. <b>2018</b> , 4, eaat0098	334

1432	Two-dimensional materials for gas sensors: from first discovery to future possibilities. <b>2018</b> , 6, 205-230	14
1431	Layered Hexagonal Oxycarbides, $Mn+1AO_2X_n$ ( $M = Sc, Y, La, Cr, \text{ and } Mo; A = Ca; X = C$ ): Unexpected Photovoltaic Ceramics. <b>2018</b> , 122, 14240-14247	2
1430	Metal-Organic Framework-Derived Nickel-Cobalt Sulfide on Ultrathin Mxene Nanosheets for Electrocatalytic Oxygen Evolution. <b>2018</b> , 10, 22311-22319	184
1429	MXene-Bonded Activated Carbon as a Flexible Electrode for High-Performance Supercapacitors. <b>2018</b> , 3, 1597-1603	265
1428	In situ atomistic insight into the growth mechanisms of single layer 2D transition metal carbides. <b>2018</b> , 9, 2266	89
1427	Equilibrium and non-equilibrium free carrier dynamics in 2D $Ti_3C_2Tx$ MXenes: THz spectroscopy study. <b>2018</b> , 5, 035043	32
1426	Interface-Assisted Synthesis of 2D Materials: Trend and Challenges. <b>2018</b> , 118, 6189-6235	358
1425	Electronic structure, bonding characteristics, and mechanical properties in (WSc)AlC and (WY)AlC i-MAX phases from first-principles calculations. <b>2018</b> , 30, 305502	3
1424	Two-Dimensional Tetragonal Titanium Carbide: a High-Capacity and High-Rate Battery Material. <b>2018</b> , 122, 15118-15124	31
1423	A comparative study on the oxidation of two-dimensional $Ti_3C_2$ MXene structures in different environments. <b>2018</b> , 6, 12733-12743	124
1422	A robust sulfur host with dual lithium polysulfide immobilization mechanism for long cycle life and high capacity Li-S batteries. <b>2019</b> , 16, 344-353	109
1421	Ultrathin two-dimensional metallic nanocrystals for renewable energy electrocatalysis. <b>2019</b> , 23, 45-56	39
1420	High-throughput computational screening of layered and two-dimensional materials. <b>2019</b> , 9, e1385	26
1419	2D material as anode for sodium ion batteries: Recent progress and perspectives. <b>2019</b> , 16, 323-343	148
1418	Hollow Nanostructures for Photocatalysis: Advantages and Challenges. <i>Advanced Materials</i> , <b>2019</b> , 31, e1801369	24 305
1417	Achieving quick charge/discharge rate of $3.0 \text{ V s}^{-1}$ by 2D titanium carbide (MXene) via N-doped carbon intercalation. <b>2019</b> , 234, 21-25	22
1416	Recent progress in functionalized layered double hydroxides and their application in efficient electrocatalytic water oxidation. <b>2019</b> , 32, 93-104	47
1415	Designing Flexible Quantum Spin Hall Insulators through 2D Ordered Hybrid Transition-Metal Carbides. <b>2019</b> , 123, 20664-20674	2

1414	Electrostatic Self-Assembly of TiCT MXene and Gold Nanorods as an Efficient Surface-Enhanced Raman Scattering Platform for Reliable and High-Sensitivity Determination of Organic Pollutants. <b>2019</b> , 4, 2303-2310	53
1413	Recent advances in exfoliation techniques of layered and non-layered materials for energy conversion and storage. <b>2019</b> , 7, 23512-23536	53
1412	Electronic performance of printed PEDOT:PSS lines correlated to the physical and chemical properties of coated inkjet papers.. <b>2019</b> , 9, 23925-23938	1
1411	Electrochemical Behavior of Ti C T MXene in Environmentally Friendly Methanesulfonic Acid Electrolyte. <b>2019</b> , 12, 4480-4486	10
1410	Effect of surface termination on the lattice thermal conductivity of monolayer Ti3C2Tz MXenes. <b>2019</b> , 126, 065101	27
1409	Multifunctional Nanocomposites with High Strength and Capacitance Using 2D MXene and 1D Nanocellulose. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902977	24 129
1408	Novel two-dimensional tetragonal vanadium carbides and nitrides as promising materials for Li-ion batteries. <b>2019</b> , 21, 19513-19520	14
1407	Enhanced low temperature hydrogen desorption properties and mechanism of Mg(BH4)2 composited with 2D MXene. <b>2019</b> , 44, 24292-24300	17
1406	2D Crystal-Based Fibers: Status and Challenges. <b>2019</b> , 15, e1902691	26
1405	Unleashing the potential of Ti 2 CT x MXene as a pulse modulator for mid-infrared fiber lasers. <b>2019</b> , 6, 045038	54
1404	High-performance flexible sensing devices based on polyaniline/MXene nanocomposites. <b>2019</b> , 1, 407-416	208
1403	Ultra-Wear-Resistant MXene-Based Composite Coating via in Situ Formed Nanostructured Tribofilm. <b>2019</b> , 11, 32569-32576	37
1402	Pulse generation of erbium-doped fiber laser based on liquid-exfoliated FePS3. <b>2019</b> , 28, 084208	6
1401	Three-dimensional porous MXene/NiCo-LDH composite for high performance non-enzymatic glucose sensor. <b>2019</b> , 495, 143554	67
1400	Theoretical insights into nitrogen fixation on Ti2C and Ti2CO2 in a lithium–nitrogen battery. <b>2019</b> , 7, 19950-19960	10
1399	The good performance of bilayer B̄ntimoneneas an anode material for the Li-ion battery study. <b>2019</b> , 495, 143549	12
1398	Butyllithium-Treated TiCT MXene with Excellent Pseudocapacitor Performance. <b>2019</b> , 13, 9449-9456	65
1397	Mid-infrared Er:CaF2BrF2 bulk laser Q-switched by MXene Ti3C2T x absorber. <b>2019</b> , 12, 085506	22

1396	Recent progress on synthesis, structure and electrocatalytic applications of MXenes. <b>2019</b> , 17, 100129	23
1395	MXene artificial muscles based on ionically cross-linked TiCT electrode for kinetic soft robotics. <b>2019</b> , 4,	93
1394	Predictions of the structures and properties of the substituted layered ternary compound series (Zr T)AlC (T = Hf, Nb, and V) through first-principles studies. <b>2019</b> , 31, 385702	1
1393	XPS of cold pressed multilayered and freestanding delaminated 2D thin films of Mo <sub>2</sub> TiC <sub>2</sub> Tz and Mo <sub>2</sub> Ti <sub>2</sub> C <sub>3</sub> Tz (MXenes). <b>2019</b> , 494, 1138-1147	28
1392	Multi-layer Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> -nanoparticles (MXenes) as solid lubricants <b>Role of surface terminations and intercalated water.</b> <b>2019</b> , 494, 13-21	58
1391	Electrocatalytic/photocatalytic properties and aqueous media applications of 2D transition metal carbides (MXenes). <b>2019</b> , 23, 100760	23
1390	Synthesis and Regeneration of A MXene-Based Pollutant Adsorbent by Mechanochemical Methods. <b>2019</b> , 24,	28
1389	Nafion-stabilized two-dimensional transition metal carbide (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene) as a high-performance electrochemical sensor for neurotransmitter. <b>2019</b> , 79, 338-344	55
1388	Ultrastrong and conductive MXene/cellulose nanofiber films enhanced by hierarchical nano-architecture and interfacial interaction for flexible electromagnetic interference shielding. <b>2019</b> , 7, 9820-9829	94
1387	Theoretical prediction on the stability, electronic structure, room and elevated temperature properties of a new MAB phase Mo <sub>2</sub> AlB <sub>2</sub> . <b>2019</b> , 35, 2926-2934	7
1386	Laser-sculptured ultrathin transition metal carbide layers for energy storage and energy harvesting applications. <b>2019</b> , 10, 3112	48
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1381	Ti <sub>3</sub> C <sub>2</sub> nanosheets modified Zr-MOFs with Schottky junction for boosting photocatalytic HER performance. <b>2019</b> , 188, 750-759	23
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1368	Electrochromic triphenylamine-based cobalt(II) complex nanosheets. <b>2019</b> , 7, 9159-9166	35
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1366	In Situ Formed PtTi Nanoparticles on a Two-Dimensional Transition Metal Carbide (MXene) Used as Efficient Catalysts for Hydrogen Evolution Reactions. <b>2019</b> , 19, 5102-5108	69
1365	Strand displacement dual amplification miRNAs strategy with FRET between NaYF <sub>4</sub> :Yb,Tm/Er upconversion nanoparticles and Ti <sub>3</sub> C <sub>2</sub> nanosheets. <b>2019</b> , 297, 126751	20
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1211	First-principles study of the electronic, optical and transport of few-layer semiconducting MXene. <b>2019</b> , 168, 137-143	11
1210	Dense Charge Accumulation in MXene with a Hydrate-Melt Electrolyte. <b>2019</b> , 31, 5190-5196	29
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1207	Faradaic reactions in capacitive deionization for desalination and ion separation. <b>2019</b> , 7, 15999-16027	85
1206	Shape-Adaptable 2D Titanium Carbide (MXene) Heater. <b>2019</b> , 13, 6835-6844	99
1205	O-Vacancy-line defective Ti2CO2 nanoribbons: novel magnetism, tunable carrier mobility, and magnetic device behaviors. <b>2019</b> , 7, 7745-7759	44
1204	Discovery of hexagonal ternary phase TiInB and its evolution to layered boride TiB. <b>2019</b> , 10, 2284	72
1203	Nanoscale Parallel Circuitry Based on Interpenetrating Conductive Assembly for Flexible and High-Power Zinc Ion Battery. <b>2019</b> , 29, 1901336	92
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1196	Mechanically Flexible Conductors for Stretchable and Wearable E-Skin and E-Textile Devices. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901408	24	193
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1157	Hierarchical Ni <sub>2</sub> P/Cr <sub>2</sub> CT <sub>x</sub> (MXene) composites with oxidized surface groups as efficient bifunctional electrocatalysts for overall water splitting. <b>2019</b> , 7, 9324-9334	27
1156	A carbon aerogel with super mechanical and sensing performances for wearable piezoresistive sensors. <b>2019</b> , 7, 8092-8100	90
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303	Next generation 2D materials for anodes in battery applications. <b>2023</b> , 556, 232256	0
302	Single Zn atom catalyst on Ti <sub>2</sub> CN <sub>2</sub> MXenes for efficient CO oxidation. <b>2023</b> , 147, 115595	0
301	Integration of amorphous CoSnO <sub>3</sub> onto wrinkled MXene nanosheets as efficient electrocatalysts for alkaline hydrogen evolution. <b>2023</b> , 308, 122947	0
300	Synthesis and characterization MXene-Ferrite nanocomposites and its application for dyeing and shielding. <b>2023</b> , 148, 110319	0
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278	Biosafety of inorganic nanomaterials for theranostic applications. <b>2022</b> , 5, 1995-2029	1
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275	Maximizing Ion Dynamics and Electrochemical Performance of Ionic Liquid-Acetonitrile Electrolyte in Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene.	0
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270	Rhus vernificera laccase immobilization on Ti <sub>2</sub> N MXene as a potential biocatalyst in environmental remediation.	0
269	Double-layer stretching broadens the absorption range of the solar spectrum in XSi <sub>2</sub> N <sub>4</sub> . <b>2022</b> , 414583	0
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266	Fabrication of Ti <sub>2</sub> SnC-MAX Phase Blended PES Membranes with Improved Hydrophilicity and Antifouling Properties for Oil/Water Separation. <b>2022</b> , 27, 8914	0
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