

List of Publications by Year in descending order

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times ranked

11793
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking ion intercalation into layered Ti ₃ C ₂ MXene films across length scales. Energy and Environmental Science, 2020, 13, 2549-2558.	15.6	100
2	Additive-Free MXene Liquid Crystals and Fibers. ACS Central Science, 2020, 6, 254-265.	5.3	182
3	Electrical and Elastic Properties of Individual Single-Layer Nb ₄ C ₃ T _x MXene Flakes. Advanced Electronic Materials, 2020, 6, 1901382.	2.6	134
4	Role of acid mixtures etching on the surface chemistry and sodium ion storage in Ti ₃ C ₂ T _x MXene. Chemical Communications, 2020, 56, 6090-6093.	2.2	76
5	Dynamically controlled random lasing with colloidal titanium carbide MXene. Optical Materials Express, 2020, 10, 2304.	1.6	1
6	Optical Properties of MXenes. , 2019, , 327-346.		12
7	Top-Down MXene Synthesis (Selective Etching). , 2019, , 69-87.		16
8	Effect of Synthesis Methods on the Structure and Defects of Two-Dimensional MXenes. , 2019, , 111-123.		1
9	Knittable and Washable Multifunctional MXene-Coated Cellulose Yarns. Advanced Functional Materials, 2019, 29, 1905015.	7.8	239
10	Electrochemical Actuators Based on Two-Dimensional Ti ₃ C ₂ T _x (MXene). Nano Letters, 2019, 19, 7443-7448.	4.5	108
11	Magnesium-Ion Storage Capability of MXenes. ACS Applied Energy Materials, 2019, 2, 1572-1578.	2.5	89
12	SnO ₂ -Ti ₃ C ₂ MXene electron transport layers for perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 5635-5642.	5.2	173
13	Electrospun MXene/carbon nanofibers as supercapacitor electrodes. Journal of Materials Chemistry A, 2019, 7, 269-277.	5.2	464
14	Effects of Synthesis and Processing on Optoelectronic Properties of Titanium Carbonitride MXene. Chemistry of Materials, 2019, 31, 2941-2951.	3.2	160
15	High-Temperature Behavior and Surface Chemistry of Carbide MXenes Studied by Thermal Analysis. Chemistry of Materials, 2019, 31, 3324-3332.	3.2	296
16	Mechanically strong and electrically conductive multilayer MXene nanocomposites. Nanoscale, 2019, 11, 20295-20300.	2.8	81
17	Direct Writing of Additive-Free MXene-Ink Water Ink for Electronics and Energy Storage. Advanced Materials Technologies, 2019, 4, 1800256.	3.0	112
18	Selective Etching of Silicon from Ti ₃ SiC ₂ (MAX) To Obtain 2D Titanium Carbide (MXene). Angewandte Chemie - International Edition, 2018, 57, 5444-5448.	7.2	299

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19	Enhanced Terahertz Shielding of MXenes with Nano-Metamaterials. <i>Advanced Optical Materials</i> , 2018, 6, 1701076.	3.6	157
20	All Pseudocapacitive MXene-RuO ₂ Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1703043.	10.2	757
21	Highly Broadband Absorber Using Plasmonic Titanium Carbide (MXene). <i>ACS Photonics</i> , 2018, 5, 1115-1122.	3.2	252
22	Selective Etching of Silicon from Ti ₃ SiC ₂ (MAX) To Obtain 2D Titanium Carbide (MXene). <i>Angewandte Chemie</i> , 2018, 130, 5542-5546.	1.6	127
23	Asymmetric Flexible MXene-Reduced Graphene Oxide Micro-Supercapacitor. <i>Advanced Electronic Materials</i> , 2018, 4, 1700339.	2.6	324
24	Humidity Exposure Enhances Microscopic Mobility in a Room-Temperature Ionic Liquid in MXene. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27561-27566.	1.5	20
25	Titanium Carbide (MXene) as a Current Collector for Lithium-Ion Batteries. <i>ACS Omega</i> , 2018, 3, 12489-12494.	1.6	77
26	Two-dimensional vanadium carbide (V ₂ C) MXene as electrode for supercapacitors with aqueous electrolytes. <i>Electrochemistry Communications</i> , 2018, 96, 103-107.	2.3	191
27	Layer-by-Layer Assembly of Cross-Functional Semi-transparent MXene-Carbon Nanotubes Composite Films for Next-Generation Electromagnetic Interference Shielding. <i>Advanced Functional Materials</i> , 2018, 28, 1803360.	7.8	407
28	Voltage-Gated Ions Sieving through 2D MXene Ti ₃ C ₂ T _x Membranes. <i>ACS Applied Nano Materials</i> , 2018, 1, 3644-3652.	2.4	102
29	Bistacked Titanium Carbide (MXene) Anodes for Hybrid Sodium-Ion Capacitors. <i>ACS Energy Letters</i> , 2018, 3, 2094-2100.	8.8	145
30	Elastic properties of 2D Ti ₃ C ₂ T _x MXene monolayers and bilayers. <i>Science Advances</i> , 2018, 4, eaat0491.	4.7	637
31	In situ atomistic insight into the growth mechanisms of single layer 2D transition metal carbides. <i>Nature Communications</i> , 2018, 9, 2266.	5.8	125
32	Guidelines for Synthesis and Processing of Two-Dimensional Titanium Carbide (Ti ₃ C ₂ T _x MXene). <i>Chemistry of Materials</i> , 2017, 29, 7633-7644.	3.2	3,129
33	Atomic Defects and Edge Structure in Single-layer Ti ₃ C ₂ T _x MXene. <i>Microscopy and Microanalysis</i> , 2017, 23, 1704-1705.	0.2	7
34	Active Metamaterials Based on Monolayer Titanium Carbide MXene for Random Lasing. , 2017, , .		4
35	Atomic Defects in Monolayer Titanium Carbide (Ti ₃ C ₂ T _x MXene). <i>ACS Nano</i> , 2016, 10, 9193-9200.	7.3	785
36	Electromagnetic interference shielding with 2D transition metal carbides (MXenes). <i>Science</i> , 2016, 353, 1137-1140.	6.0	3,688

#	ARTICLE	IF	CITATIONS
37	All-MXene (2D titanium carbide) solid-state microsupercapacitors for on-chip energy storage. <i>Energy and Environmental Science</i> , 2016, 9, 2847-2854.	15.6	551
38	Effect of Synthesis on Quality, Electronic Properties and Environmental Stability of Individual Monolayer Ti_3C_2 MXene Flakes. <i>Advanced Electronic Materials</i> , 2016, 2, 1600255.	2.6	1,160
39	Charge- and Size-Selective Ion Sieving Through $\text{Ti}_3\text{C}_2\text{Tx}$ MXene Membranes. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4026-4031.	2.1	743