

Kaitlyn Prenger

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Engineering the Interlayer Spacing by Pre-Intercalation for High Performance Supercapacitor MXene Electrodes in Room Temperature Ionic Liquid. <i>Advanced Functional Materials</i> , 2021, 31, 2104007.	7.8	64
2	Effect of Sheet Size and Atomic Structure on the Antibacterial Activity of Nb-MXene Nanosheets. <i>ACS Applied Nano Materials</i> , 2020, 3, 11372-11382.	2.4	56
3	Pre-Sodiated $\text{Ti}_3\text{C}_2\text{T}_x$ MXene Structure and Behavior as Electrode for Sodium-Ion Capacitors. <i>ACS Nano</i> , 2021, 15, 2994-3003.	7.3	54
4	Synthesis of new two-dimensional titanium carbonitride $\text{Ti}_2\text{C}_0\text{N}_5$ and its performance as an electrode material for sodium-ion battery. <i>Informa-Materiály</i> , 2021, 3, 1422-1430.	8.5	49
5	Nb-based MXenes for efficient electrochemical sensing of small biomolecules in the anodic potential. <i>Electrochemistry Communications</i> , 2020, 119, 106811.	2.3	47
6	Juggling Surface Charges of 2D Niobium Carbide MXenes for a Reactive Oxygen Species Scavenging and Effective Targeting of the Malignant Melanoma Cell Cycle into Programmed Cell Death. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7942-7951.	3.2	38
7	Nature of Terminating Hydroxyl Groups and Intercalating Water in $\text{Ti}_3\text{C}_2\text{T}_x$ MXenes: A Study by ¹ H Solid-State NMR and DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13649-13655.	1.5	35
8	Impact of Cation Intercalation on the Electronic Structure of $\text{Ti}_3\text{C}_2\text{T}_x$ MXenes in Sulfuric Acid. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15087-15094.	4.0	32
9	Structure and Dynamics of Aqueous Electrolytes Confined in 2D-TiO ₂ /Ti ₃ C ₂ T ₂ MXene Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 58378-58389.	4.0	25
10	Safer lithium-ion battery anode based on Ti ₃ C ₂ T _z MXene with thermal safety mechanistic elucidation. <i>Chemical Engineering Journal</i> , 2021, 419, 129387.	6.6	21
11	Transition Metal Carbo-Chalcogenide – TMCC: A New Family of 2D Materials. <i>Advanced Materials</i> , 2022, 34, e2200574.	11.1	18
12	Spatially resolved X-ray absorption spectroscopy investigation of individual cation-intercalated multi-layered Ti ₃ C ₂ T _x MXene particles. <i>Applied Surface Science</i> , 2020, 530, 147157.	3.1	10
13	Engineering the Interlayer Spacing by Pre-Intercalation for High Performance Supercapacitor MXene Electrodes in Room Temperature Ionic Liquid (<i>Adv. Funct. Mater.</i> 33/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170246.	7.8	2
14	Back Cover Image. <i>Informa-Materiály</i> , 2021, 3, .	8.5	0