Asia Sarycheva

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4862073/publications.pdf

Version: 2024-02-01

22 papers	4,845 citations	394421 19 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	4323 citing authors

#	Article	IF	Citations
1	Raman Spectroscopy Analysis of the Structure and Surface Chemistry of Ti₃C₂T_x MXene. Chemistry of Materials, 2020, 32, 3480-3488.	6.7	677
2	Scalable Synthesis of Ti₃C₂T_x MXene. Advanced Engineering Materials, 2020, 22, 1901241.	3.5	468
3	Electrospun MXene/carbon nanofibers as supercapacitor electrodes. Journal of Materials Chemistry A, 2019, 7, 269-277.	10.3	464
4	Synthesis of Mo₄VAlC₄ MAX Phase and Two-Dimensional Mo₄VC₄ MXene with Five Atomic Layers of Transition Metals. ACS Nano, 2020, 14, 204-217.	14.6	429
5	Modified MAX Phase Synthesis for Environmentally Stable and Highly Conductive Ti₃C₂ MXene. ACS Nano, 2021, 15, 6420-6429.	14.6	417
6	2D titanium carbide (MXene) for wireless communication. Science Advances, 2018, 4, eaau0920.	10.3	381
7	Influences from solvents on charge storage in titanium carbide MXenes. Nature Energy, 2019, 4, 241-248.	39.5	363
8	Selective Etching of Silicon from Ti₃SiC₂ (MAX) To Obtain 2D Titanium Carbide (MXene). Angewandte Chemie - International Edition, 2018, 57, 5444-5448.	13.8	299
9	Characterization of MXenes at every step, from their precursors to single flakes and assembled films. Progress in Materials Science, 2021, 120, 100757.	32.8	288
10	Two-Dimensional Titanium Carbide (MXene) as Surface-Enhanced Raman Scattering Substrate. Journal of Physical Chemistry C, 2017, 121, 19983-19988.	3.1	281
11	Tailoring Electronic and Optical Properties of MXenes through Forming Solid Solutions. Journal of the American Chemical Society, 2020, 142, 19110-19118.	13.7	198
12	Selective Etching of Silicon from Ti₃SiC₂ (MAX) To Obtain 2D Titanium Carbide (MXene). Angewandte Chemie, 2018, 130, 5542-5546.	2.0	127
13	Tuning the Electrochemical Performance of Titanium Carbide MXene by Controllable In Situ Anodic Oxidation. Angewandte Chemie - International Edition, 2019, 58, 17849-17855.	13.8	117
14	Automated Scalpel Patterning of Solution Processed Thin Films for Fabrication of Transparent MXene Microsupercapacitors. Small, 2018, 14, e1802864.	10.0	97
15	Demonstration of Li-Ion Capacity of MAX Phases. ACS Energy Letters, 2016, 1, 1094-1099.	17.4	57
16	Tunable electrochromic behavior of titanium-based MXenes. Nanoscale, 2020, 12, 14204-14212.	5.6	42
17	Tuning the Electrochemical Performance of Titanium Carbide MXene by Controllable In Situ Anodic Oxidation. Angewandte Chemie, 2019, 131, 18013-18019.	2.0	38
18	Tip-Enhanced Raman Scattering Imaging of Single- to Few-Layer Ti₃C₂T_x MXene. ACS Nano, 2022, 16, 6858-6865.	14.6	26

#	Article	IF	Citations
19	2D metal carbides (MXenes) in fibers. Materials Today, 2017, 20, 481-482.	14.2	24
20	Deformation of and Interfacial Stress Transfer in Ti₃C₂ MXeneâ€“Polymer Composites. ACS Applied Materials & Interfaces, 2022, 14, 10681-10690.	8.0	19
21	Evaluation of two-dimensional transition-metal carbides and carbonitrides (MXenes) for SERS substrates. MRS Bulletin, 2022, 47, 545-554.	3.5	19
22	Electrically Conductive MXene-Coated Glass Fibers for Damage Monitoring in Fiber-Reinforced Composites. Journal of Carbon Research, 2020, 6, 64.	2.7	5