

# Peter Serles

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	High Performance Space Lubrication of MoS <sub>2</sub> with Tantalum. Advanced Functional Materials, 2022, 32, .	14.9	18
2	Friction of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXenes. Nano Letters, 2022, 22, 3356-3363.	9.1	46
3	Sectorization of Macromolecular Single Crystals Unveiled by Probing Shear Anisotropy. ACS Macro Letters, 2022, 11, 53-59.	4.8	0
4	High Performance Space Lubrication of MoS <sub>2</sub> with Tantalum (Adv. Funct. Mater. 20/2022). Advanced Functional Materials, 2022, 32, .	14.9	0
5	Low energy proton irradiation tolerance of molybdenum disulfide lubricants. Applied Surface Science, 2021, 567, 150677.	6.1	10
6	Gas-Phase Fluorination of Hexagonal Boron Nitride. Advanced Materials, 2021, 33, e2106084.	21.0	10
7	Friction of magnetene, a non-van der Waals 2D material. Science Advances, 2021, 7, eabk2041.	10.3	21
8	Structure-Dependent Wear and Shear Mechanics of Nanostructured MoS <sub>2</sub> Coatings. Advanced Materials Interfaces, 2020, 7, 1901870.	3.7	13
9	High Temperature Microtribological Studies of MoS <sub>2</sub> Lubrication for Low Earth Orbit. Lubricants, 2020, 8, 49.	2.9	25
10	Strength measurement and rupture mechanisms of a micron thick nanocrystalline MoS <sub>2</sub> coating using AFM based micro-bending tests. Journal of the Mechanics and Physics of Solids, 2019, 128, 151-161.	4.8	15
11	Superhydrophobic and superhydrophilic functionalized surfaces by picosecond laser texturing. Journal of Laser Applications, 2018, 30, .	1.7	11