

Ze Tian

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

333
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1163117

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12
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12
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95
citing authors

#	ARTICLE	IF	CITATIONS
1	Spontaneous dewetting transitions of droplets during icing & melting cycle. Nature Communications, 2022, 13, 378.	12.8	113
2	Nanosecond pulsed fiber laser cleaning of natural marine micro-biofoulings from the surface of aluminum alloy. Journal of Cleaner Production, 2020, 244, 118724.	9.3	47
3	Micro-“Nano-Nanowire Triple Structure-Held PDMS Superhydrophobic Surfaces for Robust Ultra-Long-Term Icephobic Performance. ACS Applied Materials & Interfaces, 2022, 14, 23973-23982.	8.0	39
4	Evaluation of laser cleaning for defouling of marine biofilm contamination on aluminum alloys. Applied Surface Science, 2020, 499, 144060.	6.1	37
5	Paint Removal on the 5A06 Aluminum Alloy Using a Continuous Wave Fiber Laser. Coatings, 2019, 9, 488.	2.6	25
6	Effect of Laser Beam Oscillation on Laser Welding-“Brazing of Ti/Al Dissimilar Metals. Materials, 2019, 12, 4165.	2.9	21
7	Ultrathin aluminum wick with dual-scale microgrooves for enhanced capillary performance. International Journal of Heat and Mass Transfer, 2022, 190, 122762.	4.8	18
8	Inhibition Effectiveness of Laser-Cleaned Nanostructured Aluminum Alloys to Sulfate-reducing Bacteria Based on Superwetting and Ultraslippy Surfaces. ACS Applied Bio Materials, 2020, 3, 6131-6144.	4.6	10
9	Anisotropic Hemiwicking Behavior on Laser Structured Prismatic Microgrooves. Langmuir, 2022, 38, 6665-6675.	3.5	8
10	Genome-wide characterization and expression analysis of SAUR gene family in Melon (Cucumis melo L.). Planta, 2022, 255, 123.	3.2	6
11	Microstructure and Mechanical Properties of Laser Welded Al-Si Coated Hot-Press-Forming Steel Joints. Materials, 2019, 12, 3294.	2.9	5
12	Hybrid laser cleaning characteristic of marine barnacles fouling attached on Al alloys. Journal of Laser Applications, 2021, 33, .	1.7	4