Yunlong Jiao

List of Publications by Year in descending order

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27	965	471509 17	552781 26
papers	citations	h-index	g-index

27	27	27	601
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synergetic effect of surface connectivity and functional parameters on the friction characteristics of a sliding contact interface. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2023, 237, 380-390.	1.8	1
2	Magnetic-Actuated Robot Enables High-Performance Underwater Bubble Maneuvering on Laser-Textured Biomimetic Slippery Surfaces. Langmuir, 2022, 38, 2174-2184.	3.5	6
3	Laser-induced morphology-switchable slanted shape memory microcones for maneuvering liquid droplets and dry adhesion. Applied Physics Letters, 2022, 120, .	3.3	13
4	Water entry dynamics of rough microstructured spheres. Physics of Fluids, 2022, 34, .	4.0	7
5	Femtosecond laser-induced shape memory polymer micropillar with tunable wettability and reversible adhesion for underwater oil droplet lossless transfer. Applied Physics Letters, 2021, 118, .	3.3	20
6	In Situ Tuning Underwater Bubble Movement on Slippery Lubricant-Infused Anisotropic Microgrooved Surface by Unidirectional Mechanical Strain. Langmuir, 2021, 37, 2140-2145.	3.5	11
7	Noncontact Allâ€inâ€Situ Reversible Reconfiguration of Femtosecond Laserâ€Induced Shape Memory Magnetic Microcones for Multifunctional Liquid Droplet Manipulation and Information Encryption. Advanced Functional Materials, 2021, 31, 2100543.	14.9	51
8	Bioinspired Geometry-Gradient Metal Slippery Surface by One-Step Laser Ablation for Continuous Liquid Directional Self-Transport. Langmuir, 2021, 37, 5436-5444.	3.5	33
9	Liquid-Infused Microgrooved Slippery Surface Ablated by One-Step Laser Irradiation for Underwater Bubble Directional Manipulation and Anisotropic Spreading. Micromachines, 2021, 12, 555.	2.9	2
10	Hierarchical Hydrophilic/Hydrophobic/Bumpy Janus Membrane Fabricated by Femtosecond Laser Ablation for Highly Efficient Fog Harvesting. ACS Applied Materials & Interfaces, 2021, 13, 26542-26550.	8.0	62
11	Underwater Drag Reduction and Buoyancy Enhancement on Biomimetic Antiabrasive Superhydrophobic Coatings. ACS Applied Materials & Interfaces, 2021, 13, 48270-48280.	8.0	40
12	Contactless Mechanical Power Transmission Through the High-Tc Superconducting Pinning Effect. Journal of Superconductivity and Novel Magnetism, 2021, 34, 3131-3140.	1.8	0
13	Lateral and Normal Capillary Force Evolution of a Reciprocating Liquid Bridge. Langmuir, 2021, 37, 11737-11749.	3.5	9
14	Femtosecond Laser-Assisted Top-Restricted Self-Growth Re-Entrant Structures on Shape Memory Polymer for Dynamic Pressure Resistance. Langmuir, 2020, 36, 12346-12356.	3.5	7
15	Highâ€Performance Unidirectional Manipulation of Microdroplets by Horizontal Vibration on Femtosecond Laserâ€Induced Slant Microwall Arrays. Advanced Materials, 2020, 32, e2005039.	21.0	62
16	High Performance Bubble Manipulation on Ferrofluid-Infused Laser-Ablated Microstructured Surfaces. Nano Letters, 2020, 20, 5513-5521.	9.1	63
17	In Situ Reversible Tuning from Pinned to Roll-Down Superhydrophobic States on a Thermal-Responsive Shape Memory Polymer by a Silver Nanowire Film. ACS Applied Materials & Interfaces, 2020, 12, 13464-13472.	8.0	55
18	Bioinspired micro/nanostructured surfaces prepared by femtosecond laser direct writing for multi-functional applications. International Journal of Extreme Manufacturing, 2020, 2, 032002.	12.7	73

#	Article	IF	Citations
19	Remote Photothermal Actuation of Underwater Bubble toward Arbitrary Direction on Planar Slippery Fe₃O₄â€Doped Surfaces. Advanced Functional Materials, 2019, 29, 1904766.	14.9	59
20	Reversible Tuning between Isotropic and Anisotropic Sliding by One-Direction Mechanical Stretching on Microgrooved Slippery Surfaces. Langmuir, 2019, 35, 10625-10630.	3.5	31
21	Pitcher plant-bioinspired bubble slippery surface fabricated by femtosecond laser for buoyancy-driven bubble self-transport and efficient gas capture. Nanoscale, 2019, 11, 1370-1378.	5.6	74
22	Anisotropic Sliding of Underwater Bubbles On Microgrooved Slippery Surfaces by One-Step Femtosecond Laser Scanning. ACS Applied Materials & Interfaces, 2019, 11, 20574-20580.	8.0	43
23	In Situ Reversible Control between Sliding and Pinning for Diverse Liquids under Ultra-Low Voltage. ACS Nano, 2019, 13, 5742-5752.	14.6	73
24	Large area metal micro-/nano-groove arrays with both structural color and anisotropic wetting fabricated by one-step focused laser interference lithography. Nanoscale, 2019, 11, 4803-4810.	5.6	63
25	Switchable Underwater Bubble Wettability on Laser-Induced Titanium Multiscale Micro-/Nanostructures by Vertically Crossed Scanning. ACS Applied Materials & Interfaces, 2018, 10, 16867-16873.	8.0	65
26	In situtunable bubble wettability with fast response induced by solution surface tension. Journal of Materials Chemistry A, 2018, 6, 20878-20886.	10.3	30
27	Multifunctional oil-water and immiscible organic liquid separation by micropore arrayed Ti foil. Applied Surface Science, 2018, 455, 221-226.	6.1	12