

Yunlong Jiao

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

965
citations

471509

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552781

26
g-index

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all docs

27
docs citations

27
times ranked

601
citing authors

#	ARTICLE	IF	CITATIONS
1	Pitcher plant-bioinspired bubble slippery surface fabricated by femtosecond laser for buoyancy-driven bubble self-transport and efficient gas capture. <i>Nanoscale</i> , 2019, 11, 1370-1378.	5.6	74
2	<i>In Situ</i> Reversible Control between Sliding and Pinning for Diverse Liquids under Ultra-Low Voltage. <i>ACS Nano</i> , 2019, 13, 5742-5752.	14.6	73
3	Bioinspired micro/nanostructured surfaces prepared by femtosecond laser direct writing for multi-functional applications. <i>International Journal of Extreme Manufacturing</i> , 2020, 2, 032002.	12.7	73
4	Switchable Underwater Bubble Wettability on Laser-Induced Titanium Multiscale Micro-/Nanostructures by Vertically Crossed Scanning. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16867-16873.	8.0	65
5	Large area metal micro-/nano-groove arrays with both structural color and anisotropic wetting fabricated by one-step focused laser interference lithography. <i>Nanoscale</i> , 2019, 11, 4803-4810.	5.6	63
6	High Performance Bubble Manipulation on Ferrofluid-Infused Laser-Ablated Microstructured Surfaces. <i>Nano Letters</i> , 2020, 20, 5513-5521.	9.1	63
7	High-Performance Unidirectional Manipulation of Microdroplets by Horizontal Vibration on Femtosecond Laser-Induced Slant Microwall Arrays. <i>Advanced Materials</i> , 2020, 32, e2005039.	21.0	62
8	Hierarchical Hydrophilic/Hydrophobic/Bumpy Janus Membrane Fabricated by Femtosecond Laser Ablation for Highly Efficient Fog Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26542-26550.	8.0	62
9	Remote Photothermal Actuation of Underwater Bubble toward Arbitrary Direction on Planar Slippery Fe ₃ O ₄ -Doped Surfaces. <i>Advanced Functional Materials</i> , 2019, 29, 1904766.	14.9	59
10	In Situ Reversible Tuning from Pinned to Roll-Down Superhydrophobic States on a Thermal-Responsive Shape Memory Polymer by a Silver Nanowire Film. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13464-13472.	8.0	55
11	Noncontact All- <i>In Situ</i> Reversible Reconfiguration of Femtosecond Laser-Induced Shape Memory Magnetic Microcones for Multifunctional Liquid Droplet Manipulation and Information Encryption. <i>Advanced Functional Materials</i> , 2021, 31, 2100543.	14.9	51
12	Anisotropic Sliding of Underwater Bubbles On Microgrooved Slippery Surfaces by One-Step Femtosecond Laser Scanning. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20574-20580.	8.0	43
13	Underwater Drag Reduction and Buoyancy Enhancement on Biomimetic Antiabrasive Superhydrophobic Coatings. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 48270-48280.	8.0	40
14	Bioinspired Geometry-Gradient Metal Slippery Surface by One-Step Laser Ablation for Continuous Liquid Directional Self-Transport. <i>Langmuir</i> , 2021, 37, 5436-5444.	3.5	33
15	Reversible Tuning between Isotropic and Anisotropic Sliding by One-Direction Mechanical Stretching on Microgrooved Slippery Surfaces. <i>Langmuir</i> , 2019, 35, 10625-10630.	3.5	31
16	<i>In situ</i> tunable bubble wettability with fast response induced by solution surface tension. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20878-20886.	10.3	30
17	Femtosecond laser-induced shape memory polymer micropillar with tunable wettability and reversible adhesion for underwater oil droplet lossless transfer. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	20
18	Laser-induced morphology-switchable slanted shape memory microcones for maneuvering liquid droplets and dry adhesion. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	13

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19	Multifunctional oil-water and immiscible organic liquid separation by micropore arrayed Ti foil. <i>Applied Surface Science</i> , 2018, 455, 221-226.	6.1	12
20	In Situ Tuning Underwater Bubble Movement on Slippery Lubricant-Infused Anisotropic Microgrooved Surface by Unidirectional Mechanical Strain. <i>Langmuir</i> , 2021, 37, 2140-2145.	3.5	11
21	Lateral and Normal Capillary Force Evolution of a Reciprocating Liquid Bridge. <i>Langmuir</i> , 2021, 37, 11737-11749.	3.5	9
22	Femtosecond Laser-Assisted Top-Restricted Self-Growth Re-Entrant Structures on Shape Memory Polymer for Dynamic Pressure Resistance. <i>Langmuir</i> , 2020, 36, 12346-12356.	3.5	7
23	Water entry dynamics of rough microstructured spheres. <i>Physics of Fluids</i> , 2022, 34, .	4.0	7
24	Magnetic-Actuated Robot Enables High-Performance Underwater Bubble Maneuvering on Laser-Textured Biomimetic Slippery Surfaces. <i>Langmuir</i> , 2022, 38, 2174-2184.	3.5	6
25	Liquid-Infused Microgrooved Slippery Surface Ablated by One-Step Laser Irradiation for Underwater Bubble Directional Manipulation and Anisotropic Spreading. <i>Micromachines</i> , 2021, 12, 555.	2.9	2
26	Synergetic effect of surface connectivity and functional parameters on the friction characteristics of a sliding contact interface. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2023, 237, 380-390.	1.8	1
27	Contactless Mechanical Power Transmission Through the High-Tc Superconducting Pinning Effect. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 3131-3140.	1.8	0