

# Sizhu Wu

## List of Publications by Year in descending order

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papers

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citations

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Smart Control for Water Droplets on Temperature and Force Dual-Responsive Slippery Surfaces. <i>Langmuir</i> , 2021, 37, 578-584.	3.5	9
5	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
6	Structural Color Surface on Transparent PDMS Fabricated by Carbon-Assisted Laser Interference Lithography for Real-Time Quantification of Soft Actuators Motion. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 45641-45647.	8.0	15
7	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 &amp; Interfaces</i> , 2020, 12, 13464-13472.	8.0	55
8	Dual-Responsive Janus Membrane by One-Step Laser Drilling for Underwater Bubble Selective Capture and Repelling. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901176.	3.7	20
9	Microhole-Arrayed PDMS with Controllable Wettability Gradient by One-Step Femtosecond Laser Drilling for Ultrafast Underwater Bubble Unidirectional Self-Transport. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900297.	3.7	47
10	Multilayered skyscraper microchips fabricated by hybrid "all-in-one" femtosecond laser processing. <i>Microsystems and Nanoengineering</i> , 2019, 5, 17.	7.0	19
11	Anisotropic Sliding of Underwater Bubbles On Microgrooved Slippery Surfaces by One-Step Femtosecond Laser Scanning. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20574-20580.	8.0	43
12	<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
13	Switchable Underwater Bubble Wettability on Laser-Induced Titanium Multiscale Micro-/Nanostructures by Vertically Crossed Scanning. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16867-16873.	8.0	65
14	<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
15	Unidirectional self-transport of air bubble via a Janus membrane in aqueous environment. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	32
16	The transition from incoherent to coherent random laser in defect waveguide based on organic/inorganic hybrid laser dye. <i>Nanophotonics</i> , 2018, 7, 1341-1350.	6.0	22
17	Biomimetic surfaces with anisotropic sliding wetting by energy-modulation femtosecond laser irradiation for enhanced water collection. <i>RSC Advances</i> , 2017, 7, 11170-11179.	3.6	63
18	Three-level cobblestone-like TiO <sub>2</sub> micro/nanocones for dual-responsive water/oil reversible wetting without fluorination. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	18

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19	One-step facile fabrication of controllable microcone and micromolar silicon arrays with tunable wettability by liquid-assisted femtosecond laser irradiation. <i>RSC Advances</i> , 2016, 6, 37463-37471.	3.6	29
20	Multifunctional ultrathin aluminum foil: oil/water separation and particle filtration. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18832-18840.	10.3	92