

Suwan Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

575
citations

687363

13
h-index

677142

22
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22
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22
docs citations

22
times ranked

581
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	High Performance Bubble Manipulation on Ferrofluid-Infused Laser-Ablated Microstructured Surfaces. <i>Nano Letters</i> , 2020, 20, 5513-5521.	9.1	63
3	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
4	Transparent Light-Driven Hydrogel Actuator Based on Photothermal Marangoni Effect and Buoyancy Flow for Three-Dimensional Motion. <i>Advanced Functional Materials</i> , 2021, 31, 2009386.	14.9	48
5	Room-temperature NH ₃ sensing of graphene oxide film and its enhanced response on the laser-textured silicon. <i>Scientific Reports</i> , 2017, 7, 14773.	3.3	39
6	Smart Stretchable Janus Membranes with Tunable Collection Rate for Fog Harvesting. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901465.	3.7	34
7	Unidirectional Transport and Effective Collection of Underwater CO ₂ Bubbles Utilizing Ultrafast-Laser-Ablated Janus Foam. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18110-18115.	8.0	34
8	In Situ Electric-Induced Switchable Transparency and Wettability on Laser-Ablated Bioinspired Paraffin-Impregnated Slippery Surfaces. <i>Advanced Science</i> , 2021, 8, e2100701.	11.2	34
9	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
10	Ultralow-Voltage-Driven Smart Control of Diverse Drop's Anisotropic Sliding by in Situ Switching Joule Heat on Paraffin-Infused Microgrooved Slippery Surface. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1895-1904.	8.0	31
11	Photothermal Actuation of Diverse Liquids on an Fe ₃ O ₄ -Doped Slippery Surface for Electric Switching and Cell Culture. <i>Langmuir</i> , 2019, 35, 13915-13922.	3.5	25
12	Spontaneous and unidirectional transportation of underwater bubbles on superhydrophobic dual rails. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	18
13	Robust Underwater Air Layer Retention and Restoration on <i>Salvinia</i> -Inspired Self-Grown Heterogeneous Architectures. <i>ACS Nano</i> , 2022, 16, 2730-2740.	14.6	18
14	Light-driven Locomotion of Underwater Bubbles on Ultrarobust Paraffin-impregnated Laser-ablated Fe ₃ O ₄ -doped Slippery Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9272-9280.	8.0	15
15	Hybrid femtosecond laser fabrication of a size-tunable microtrap chip with a high-trapping retention rate. <i>Optics Letters</i> , 2020, 45, 1071.	3.3	14
16	A Fast Room Temperature NH ₃ Sensor Based on an Al/p-Si/Al Structure with Schottky Electrodes. <i>Sensors</i> , 2017, 17, 1929.	3.8	11
17	Magnetism-Actuated Superhydrophobic Flexible Microclaw: From Spatial Microdroplet Maneuvering to Cross-Species Control. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35165-35172.	8.0	9
18	Smart Control for Water Droplets on Temperature and Force Dual-Responsive Slippery Surfaces. <i>Langmuir</i> , 2021, 37, 578-584.	3.5	9

#	ARTICLE	IF	CITATIONS
19	Sustaining Robust Cavities with Slippery Liquid–Liquid Interfaces. <i>Advanced Science</i> , 2022, 9, e2103568.	11.2	8
20	Crystallinity and Sub-Band Gap Absorption of Femtosecond-Laser Hyperdoped Silicon Formed in Different N-Containing Gas Mixtures. <i>Materials</i> , 2017, 10, 351.	2.9	6
21	Anisotropic Sliding Behaviors of Gas Bubbles upon Ferrofluid–Infused Orthonormal Tracks (FOTs) Under Magnetic Stimuli. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	4
22	Biomimetic Mechanoswitchable Interfaces for High-Performance Spatial Gas Bubble Maneuvering. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43769-43776.	8.0	2