Chao Chen

List of Publications by Year
in descending order

24	853	516710 16	610901 24
papers	citations	h-index	g-index

24	24	24	894
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A dual-mode laser-textured ice-phobic slippery surface: low-voltage-powered switching transmissivity and wettability for thermal management. Nanoscale, 2022, 14, 4474-4483.	5.6	8
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	Laser Ablated Janus Hydrogel Composite Membrane for Draining Excessive Blood and Biofluid around Wounds. Macromolecular Materials and Engineering, 2022, 307, .	3.6	5
5	On-Demand Maneuvering of Diverse Prodrug Liquids on a Light-Responsive Candle-Soot-Hybridized Lubricant-Infused Slippery Surface for Highly Effective Toxicity Screening. ACS Applied Materials & Interfaces, 2022, 14, 31667-31676.	8.0	6
6	Light-driven Locomotion of Underwater Bubbles on Ultrarobust Paraffin-impregnated Laser-ablated Fe₃O₄-doped Slippery Surfaces. ACS Applied Materials & Interfaces, 2021, 13, 9272-9280.	8.0	15
7	3D Multiscale Micro-/Nanofolds by Femtosecond Laser Intermittent Ablation and Constrained Heating on a Shape Memory Polymer. ACS Applied Materials & Interfaces, 2021, 13, 23210-23219.	8.0	9
8	In Situ Electricâ€Induced Switchable Transparency and Wettability on Laserâ€Ablated Bioinspired Paraffinâ€Impregnated Slippery Surfaces. Advanced Science, 2021, 8, e2100701.	11.2	34
9	Biomimetic Mechanoswitchable Interfaces for High-Performance Spatial Gas Bubble Maneuvering. ACS Applied Materials & Interfaces, 2021, 13, 43769-43776.	8.0	2
10	Three-Dimensional Multifunctional Magnetically Responsive Liquid Manipulator Fabricated by Femtosecond Laser Writing and Soft Transfer. Nano Letters, 2020, 20, 7519-7529.	9.1	50
11	High Performance Bubble Manipulation on Ferrofluid-Infused Laser-Ablated Microstructured Surfaces. Nano Letters, 2020, 20, 5513-5521.	9.1	63
12	Unidirectional Transport and Effective Collection of Underwater CO₂ Bubbles Utilizing Ultrafast-Laser-Ablated Janus Foam. ACS Applied Materials & Interfaces, 2020, 12, 18110-18115.	8.0	34
13	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
14	Remote Photothermal Actuation of Underwater Bubble toward Arbitrary Direction on Planar Slippery Fe₃O₄â€Doped Surfaces. Advanced Functional Materials, 2019, 29, 1904766.	14.9	59
15	Reversible Tuning between Isotropic and Anisotropic Sliding by One-Direction Mechanical Stretching on Microgrooved Slippery Surfaces. Langmuir, 2019, 35, 10625-10630.	3.5	31
16	Dualâ€Responsive Janus Membrane by Oneâ€Step Laser Drilling for Underwater Bubble Selective Capture and Repelling. Advanced Materials Interfaces, 2019, 6, 1901176.	3.7	20
17	Microholeâ€Arrayed PDMS with Controllable Wettability Gradient by Oneâ€Step Femtosecond Laser Drilling for Ultrafast Underwater Bubble Unidirectional Selfâ€Transport. Advanced Materials Interfaces, 2019, 6, 1900297.	3.7	47
18	In Situ Reversible Control between Sliding and Pinning for Diverse Liquids under Ultra-Low Voltage. ACS Nano, 2019, 13, 5742-5752.	14.6	73

#	Article	IF	Citations
19	Formulation of concentrated and stable ink of silver nanowires with applications in transparent conductive films. RSC Advances, 2017, 7, 1936-1942.	3.6	26
20	Fabrication of silver nanowire transparent conductive films with an ultra-low haze and ultra-high uniformity and their application in transparent electronics. Journal of Materials Chemistry C, 2017, 5, 2240-2246.	5.5	74
21	Synthesis of very thin Ag nanowires with fewer particles by suppressing secondary seeding. CrystEngComm, 2017, 19, 148-153.	2.6	45
22	Silver Nanowire Transparent Conductive Films with High Uniformity Fabricated via a Dynamic Heating Method. ACS Applied Materials & Interfaces, 2016, 8, 9865-9871.	8.0	95
23	The synthesis of monodispersed AgBiS2 quantum dots with a giant dielectric constant. CrystEngComm, 2013, 15, 7644.	2.6	30
24	Synthesis, characterization, and surface-enhanced Raman scattering of near infrared absorbing Cu3SbS3 nanocrystals. CrystEngComm, 2013, 15, 10431.	2.6	35