

Chao Chen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

853
citations

516710

16
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

894
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver Nanowire Transparent Conductive Films with High Uniformity Fabricated via a Dynamic Heating Method. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9865-9871.	8.0	95
2	Fabrication of silver nanowire transparent conductive films with an ultra-low haze and ultra-high uniformity and their application in transparent electronics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2240-2246.	5.5	74
3	<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
4	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
5	High Performance Bubble Manipulation on Ferrofluid-Infused Laser-Ablated Microstructured Surfaces. <i>Nano Letters</i> , 2020, 20, 5513-5521.	9.1	63
6	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
7	Three-Dimensional Multifunctional Magnetically Responsive Liquid Manipulator Fabricated by Femtosecond Laser Writing and Soft Transfer. <i>Nano Letters</i> , 2020, 20, 7519-7529.	9.1	50
8	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
9	Synthesis of very thin Ag nanowires with fewer particles by suppressing secondary seeding. <i>CrystEngComm</i> , 2017, 19, 148-153.	2.6	45
10	Synthesis, characterization, and surface-enhanced Raman scattering of near infrared absorbing Cu ₃ SbS ₃ nanocrystals. <i>CrystEngComm</i> , 2013, 15, 10431.	2.6	35
11	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
12	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
13	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
14	The synthesis of monodispersed AgBiS ₂ quantum dots with a giant dielectric constant. <i>CrystEngComm</i> , 2013, 15, 7644.	2.6	30
15	Formulation of concentrated and stable ink of silver nanowires with applications in transparent conductive films. <i>RSC Advances</i> , 2017, 7, 1936-1942.	3.6	26
16	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
17	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
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	3D Multiscale Micro-/Nanofolds by Femtosecond Laser Intermittent Ablation and Constrained Heating on a Shape Memory Polymer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23210-23219.	8.0	9
20	A dual-mode laser-textured ice-phobic slippery surface: low-voltage-powered switching transmissivity and wettability for thermal management. <i>Nanoscale</i> , 2022, 14, 4474-4483.	5.6	8
21	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
22	On-Demand Maneuvering of Diverse Prodrug Liquids on a Light-Responsive Candle-Soot-Hybridized Lubricant-Infused Slippery Surface for Highly Effective Toxicity Screening. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31667-31676.	8.0	6
23	Laser Ablated Janus Hydrogel Composite Membrane for Draining Excessive Blood and Biofluid around Wounds. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	3.6	5
24	Biomimetic Mechanoswitchable Interfaces for High-Performance Spatial Gas Bubble Maneuvering. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43769-43776.	8.0	2