

Weijian Liu

List of Publications by Year in descending order

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16
papers

570
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687220

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940416

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617
citing authors

#	ARTICLE	IF	CITATIONS
1	Durable and robust transparent superhydrophobic glass surfaces fabricated by a femtosecond laser with exceptional water repellency and thermostability. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9049-9056.	5.2	146
2	Extremely high Cassie state stability of superhydrophobic surfaces via precisely tunable dual-scale and triple-scale micro-nano structures. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18050-18062.	5.2	86
3	An integrative bioinspired venation network with ultra-contrasting wettability for large-scale strongly self-driven and efficient water collection. <i>Nanoscale</i> , 2019, 11, 8940-8949.	2.8	55
4	3D re-entrant nanograss on microcones for durable superamphiphobic surfaces via laser-chemical hybrid method. <i>Applied Surface Science</i> , 2018, 456, 726-736.	3.1	45
5	Comprehensively durable superhydrophobic metallic hierarchical surfaces via tunable micro-cone design to protect functional nanostructures. <i>RSC Advances</i> , 2018, 8, 6733-6744.	1.7	43
6	Wettability transition modes of aluminum surfaces with various micro/nanostructures produced by a femtosecond laser. <i>Journal of Laser Applications</i> , 2019, 31, .	0.8	39
7	Atto-Molar Raman detection on patterned superhydrophilic-superhydrophobic platform via localizable evaporation enrichment. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128826.	4.0	29
8	CoS ₂ -incorporated WS ₂ nanosheets for efficient hydrogen production. <i>Electrochimica Acta</i> , 2018, 287, 1-9.	2.6	23
9	Three-Dimensional and In Situ-Activated Spinel Oxide Nanoporous Clusters Derived from Stainless Steel for Efficient and Durable Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13971-13981.	4.0	21
10	Laser-Assisted Doping and Architecture Engineering of Fe ₃ O ₄ Nanoparticles for Highly Enhanced Oxygen Evolution Reaction. <i>ChemSusChem</i> , 2019, 12, 3562-3570.	3.6	19
11	Oil-triggered switchable wettability on patterned alternating air/lubricant-infused superamphiphobic surfaces. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6647-6660.	5.2	19
12	Directional anchoring patterned liquid-infused superamphiphobic surfaces for high-throughput droplet manipulation. <i>Lab on A Chip</i> , 2021, 21, 1373-1384.	3.1	17
13	Ultrafast laser hybrid fabrication of hierarchical 3D structures of nanorods on microcones for superhydrophobic surfaces with excellent Cassie state stability and mechanical durability. <i>Journal of Laser Applications</i> , 2020, 32, .	0.8	14
14	Pulsed laser-assisted synthesis of defect-rich NiFe-based oxides for efficient oxygen evolution reaction. <i>Journal of Laser Applications</i> , 2020, 32, 022032.	0.8	7
15	Ultrafast laser micro-nano structured superhydrophobic teflon surfaces for enhanced SERS detection via evaporation concentration. <i>Advanced Optical Technologies</i> , 2020, 9, 89-100.	0.9	4
16	Flexible control over optical reflection property of metallic surfaces via pulse laser. <i>Journal of Laser Applications</i> , 2019, 31, 022502.	0.8	3