

Shuli Wang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

724
citations

516710

16
h-index

552781

26
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all docs

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docs citations

30
times ranked

882
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling Flow Behavior of Water in Microfluidics with a Chemically Patterned Anisotropic Wetting Surface. <i>Langmuir</i> , 2015, 31, 4032-4039.	3.5	65
2	Micro-/nanostructures meet anisotropic wetting: from preparation methods to applications. <i>Materials Horizons</i> , 2020, 7, 2566-2595.	12.2	58
3	Two dimensional nanomaterial-based separation membranes. <i>Electrophoresis</i> , 2019, 40, 2029-2040.	2.4	47
4	Janus Si Micropillar Arrays with Thermal-Responsive Anisotropic Wettability for Manipulation of Microfluid Motions. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 376-382.	8.0	46
5	Ordered Micro/Nanostructures with Geometric Gradient: From Integrated Wettability to Anisotropic Wetting Surface. <i>Small</i> , 2017, 13, 1601807.	10.0	38
6	Morphology-Patterned Anisotropic Wetting Surface for Fluid Control and Gas-Liquid Separation in Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13094-13103.	8.0	37
7	Smart Anisotropic Wetting Surfaces with Reversed pH-Responsive Wetting Directions. <i>Advanced Functional Materials</i> , 2018, 28, 1802001.	14.9	37
8	Design of Porous Membranes by Liquid Gating Technology. <i>Accounts of Materials Research</i> , 2021, 2, 407-419.	11.7	37
9	Bioinspired liquid gating membrane-based catheter with anticoagulation and positionally drug release properties. <i>Science Advances</i> , 2020, 6, .	10.3	36
10	Visual Chemical Detection Mechanism by a Liquid Gating System with Dipole-Induced Interfacial Molecular Reconfiguration. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3967-3971.	13.8	33
11	Inner Surface Design of Functional Microchannels for Microscale Flow Control. <i>Small</i> , 2020, 16, e1905318.	10.0	30
12	Mobile Liquid Gating Membrane System for Smart Piston and Valve Applications. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 11976-11984.	3.7	29
13	Nanotransfer printing of gold disk, ring and crescent arrays and their IR range optical properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2333.	5.5	28
14	Reconfiguring confined magnetic colloids with tunable fluid transport behavior. <i>National Science Review</i> , 2021, 8, nwaa301.	9.5	25
15	Naked eye plasmonic indicator with multi-responsive polymer brush as signal transducer and amplifier. <i>Nanoscale</i> , 2017, 9, 1925-1933.	5.6	24
16	Thermal-Responsive Anisotropic Wetting Microstructures for Manipulation of Fluids in Microfluidics. <i>Langmuir</i> , 2017, 33, 494-502.	3.5	17
17	Ag nanoparticle/polymer composite barcode nanorods. <i>Nano Research</i> , 2015, 8, 2871-2880.	10.4	16
18	Anisotropic Wetting of Water on Patterned Asymmetric Nanostructure Arrays. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700034.	3.7	16

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19	Controllable Liquid-Liquid Printing with Defect-free, Corrosion-Resistance, Unrestricted Wetting Condition. <i>IScience</i> , 2019, 19, 93-100.	4.1	12
20	Photochemical effect driven fluid behavior control in microscale pores and channels. <i>Chinese Chemical Letters</i> , 2022, 33, 3650-3656.	9.0	12
21	Ultrahigh efficient emulsification with drag-reducing liquid gating interfacial behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	11
22	Facile fabrication of homogeneous and gradient plasmonic arrays with tunable optical properties via thermally regulated surface charge density. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3962-3972.	5.5	10
23	Catalytic confinement effects in nanochannels: from biological synthesis to chemical engineering. <i>Nanoscale Advances</i> , 2022, 4, 1517-1526.	4.6	10
24	Oil-polluted water purification via the carbon-nanotubes-doped organohydrogel platform. <i>Nano Research</i> , 2022, 15, 5653-5662.	10.4	10
25	Unidirectional Wetting of Liquids on "Janus" Nanostructure Arrays under Various Media. <i>Langmuir</i> , 2017, 33, 2177-2184.	3.5	8
26	Colloidal lithography-based fabrication of highly-ordered nanofluidic channels with an ultra-high surface-to-volume ratio. <i>Lab on A Chip</i> , 2018, 18, 979-988.	6.0	8
27	Visual Chemical Detection Mechanism by a Liquid Gating System with Dipole-induced Interfacial Molecular Reconfiguration. <i>Angewandte Chemie</i> , 2019, 131, 4007-4011.	2.0	8
28	Autonomous Control of Fluids in a Wide Surface Tension Range in Microfluidics. <i>Langmuir</i> , 2017, 33, 7248-7255.	3.5	6
29	Synthesised spirobichroman-based polyimide functionalized by pyridine: Effects of substituent position on gas separation and thermal properties. <i>International Journal of Energy Research</i> , 2020, 44, 1986-1998.	4.5	6
30	The spirobichroman-based polyimides with different side groups: from structure-property relationships to chain packing and gas transport performance. <i>RSC Advances</i> , 2021, 11, 5086-5095.	3.6	4