

Lei Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

1,299
papers

122,492
citations

93

167
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309

290
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1368
all docs

1368
docs citations

1368
times ranked

54855
citing authors

#	ARTICLE	IF	CITATIONS
1	Overflow Control for Sustainable Development by Superwetting Surface with Biomimetic Structure. <i>Chemical Reviews</i> , 2023, 123, 2276-2310.	23.0	32
2	Advances in Near-Infrared Organic Micro/Nanolasers. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	5
3	High-Performance Photocathodic Bioanalysis Based on Core-Shell Structured Cu ₂ O@TiO ₂ Nanowire Arrays with Air-Liquid-Solid Joint Interfaces. <i>CCS Chemistry</i> , 2022, 4, 1044-1053.	4.6	3
4	Integrin-Mimetic Mechanosensory Elastomer with Fluorescence Probe for Monitoring Chain Deformation in Situ. <i>CCS Chemistry</i> , 2022, 4, 1065-1073.	4.6	4
5	Enhanced photo-driven ion pump through silver nanoparticles decorated graphene oxide membranes. <i>Nano Research</i> , 2022, 15, 612-616.	5.8	4
6	Amphiphilic Pd@micro-organohydrogels with controlled wettability for enhancing gas-liquid-solid triphasic catalytic performance. <i>Nano Research</i> , 2022, 15, 557-563.	5.8	15
7	Nature Sunflower Stalk Pith with Zwitterionic Hydrogel Coating for Highly Efficient and Sustainable Solar Evaporation. <i>Advanced Functional Materials</i> , 2022, 32, 2108135.	7.8	79
8	Ionic Crosslinking-Induced Nanochannels: Nanophase Separation for Ion Transport Promotion. <i>Advanced Materials</i> , 2022, 34, e2108410.	11.1	25
9	Photothermal slippery surface showing rapid self-repairing and exceptional anti-icing/deicing property. <i>Chemical Engineering Journal</i> , 2022, 431, 133411.	6.6	31
10	Eco-friendly perforated kelp membrane with high strength for efficient oil/water separation in a complex environment. <i>Separation and Purification Technology</i> , 2022, 282, 120114.	3.9	18
11	Laser-Directed Foaming of Hydroplastic Polyelectrolyte Films toward Tunable Structures and Programmable Routes. <i>Advanced Functional Materials</i> , 2022, 32, 2107598.	7.8	5
12	Switchable smart porous surface for controllable liquid transportation. <i>Materials Horizons</i> , 2022, 9, 780-790.	6.4	7
13	Electrochemical reduction of nitrate in a catalytic carbon membrane nano-reactor. <i>Water Research</i> , 2022, 208, 117862.	5.3	23
14	The synergistic effect of space and surface charge on nanoconfined ion transport and nanofluidic energy harvesting. <i>Nano Energy</i> , 2022, 92, 106709.	8.2	14
15	Chiral 1D perovskite microwire arrays for circularly polarized light detection. <i>Giant</i> , 2022, 9, 100086.	2.5	15
16	Recent progress in PNIPAM-based multi-responsive actuators: A mini-review. <i>Chemical Engineering Journal</i> , 2022, 433, 133496.	6.6	48
17	Functional Colloidal Assemblies Based on Superwetable Substrates. <i>Particle and Particle Systems Characterization</i> , 2022, 39, 2100196.	1.2	3
18	Bioinspired hierarchical porous membrane for efficient uranium extraction from seawater. <i>Nature Sustainability</i> , 2022, 5, 71-80.	11.5	112

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19	Bidirectional Light-Driven Ion Transport through Porphyrin Metal-Organic Framework-Based van der Waals Heterostructures via pH-Induced Band Alignment Inversion. <i>CCS Chemistry</i> , 2022, 4, 3329-3341.	4.6	13
20	Liquid-Assisted Single-Layer Janus Membrane for Efficient Unidirectional Liquid Penetration. <i>Advanced Science</i> , 2022, 9, e2103765.	5.6	22
21	Continuous, autonomous subsurface cargo shuttling by nature-inspired meniscus-climbing systems. <i>Nature Chemistry</i> , 2022, 14, 208-215.	6.6	14
22	Dynamically modulated gating process of nanoporous membrane at sub-2-nm speed. <i>Matter</i> , 2022, 5, 281-290.	5.0	10
23	A robust and renewable solar steam generator for high concentration dye wastewater purification. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3436-3442.	5.2	21
24	Long-Range Ordered Assembly of Micro-Nanostructures at Superwetting Interfaces. <i>Advanced Materials</i> , 2022, 34, e2106857.	11.1	21
25	Single-, Dual-, Triple, and Quadruple-Wavelength Surface-Emitting Lasing in Blue-Phase Liquid Crystal. <i>Advanced Materials</i> , 2022, 34, e2108330.	11.1	17
26	Single-Crystalline Organic One-Dimensional Microarrays toward High-Performing Phototransistors. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	4
27	Programmed Death of Injured <i>Pseudomonas aeruginosa</i> on Mechano-Bactericidal Surfaces. <i>Nano Letters</i> , 2022, 22, 1129-1137.	4.5	23
28	Electrochemical ion-pumping-assisted transfer system featuring a heterogeneous membrane for lithium recovery. <i>Chemical Engineering Journal</i> , 2022, 435, 134955.	6.6	12
29	Kinetics-Regulated Interfacial Selective Superassembly of Asymmetric Smart Nanovehicles with Tailored Topological Hollow Architectures. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	20
30	High-Resolution Erasable "Live" Patterns Based on Controllable Ink Diffusion on the 3D Blue-Phase Liquid Crystal Networks. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	21
31	Super-assembly of freestanding graphene oxide-aramid fiber membrane with T-mode subnanochannels for sensitive ion transport. <i>Analyst</i> , The, 2022, 147, 652-660.	1.7	8
32	Ultrasensitive Photodetectors Based on Strongly Interacted Layered-Perovskite Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1601-1608.	4.0	8
33	Multifunctional Organic Single-Crystalline Microwire Arrays toward Optical Applications. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	9
34	Magnetic Domain Confined Printing of Programmable Organic Microcrystal Assemblies for Information Encryption. <i>Advanced Materials</i> , 2022, 34, e2108279.	11.1	8
35	Multiscale engineered artificial tooth enamel. <i>Science</i> , 2022, 375, 551-556.	6.0	138
36	Investigation on the intrinsic wetting thresholds of liquids by measuring the interaction forces of self-assembled monolayers. <i>Nano Research</i> , 2022, 15, 4344-4349.	5.8	7

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37	Nasal Cavity Inspired Micro-Nanostructured Cone Array Tube for Oil Recovery in Wastewater. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	5
38	Unconventional Dual Ion Selectivity Determined by the Forward Side of a Bipolar Channel toward Ion Flux. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2230-2236.	4.0	12
39	Angstrom-scale ion channels towards single-ion selectivity. <i>Chemical Society Reviews</i> , 2022, 51, 2224-2254.	18.7	116
40	Covalent organic frameworks embedded in polystyrene membranes for ion sieving. <i>Chemical Communications</i> , 2022, 58, 5403-5406.	2.2	12
41	Solid-State Nanochannel-Based Sensing Systems: Development, Challenges, and Opportunities. <i>Langmuir</i> , 2022, 38, 2415-2422.	1.6	6
42	Biomimetic Nanochannels: From Fabrication Principles to Theoretical Insights. <i>Small Methods</i> , 2022, 6, e2101255.	4.6	18
43	Meniscus-Assisted Coating with Optimized Active-Layer Morphology toward Highly Efficient All-Polymer Solar Cells. <i>Advanced Materials</i> , 2022, 34, e2108508.	11.1	26
44	Interfacial Superassembly of Mesoporous Titania Nanopillar-Arrays/Alumina Oxide Heterochannels for Light- and pH-Responsive Smart Ion Transport. <i>ACS Central Science</i> , 2022, 8, 361-369.	5.3	14
45	InnenrÄ¼cktitelbild: Kinetics-Regulated Interfacial Selective Superassembly of Asymmetric Smart Nanovehicles with Tailored Topological Hollow Architectures (<i>Angew. Chem.</i> 12/2022). <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0
46	Robust Underwater Air Layer Retention and Restoration on <i>Salvinia</i> -Inspired Self-Grown Heterogeneous Architectures. <i>ACS Nano</i> , 2022, 16, 2730-2740.	7.3	18
47	ÄœLiquid diodeÄœ with ÄœgatingÄœ based on shape memory sponge. <i>Science China Materials</i> , 2022, 65, 2591-2599.	3.5	4
48	Solvent-Induced Programmable Wettability/Transparency Transition of Electrospun Colloidal Fibers with Embedded Polymer Nanospheres for Oil Adsorption and Plastic Remediation. <i>ACS Applied Nano Materials</i> , 2022, 5, 5346-5355.	2.4	0
49	General Synergistic Capture-Bonding Superassembly of Atomically Dispersed Catalysts on Micropore-Vacancy Frameworks. <i>Nano Letters</i> , 2022, 22, 2889-2897.	4.5	27
50	An orthogonal dual-regulation strategy for sensitive biosensing applications. <i>National Science Review</i> , 2022, 9, .	4.6	13
51	A Constrained Assembly Strategy for High-Strength Natural Nanoclay Film. <i>ACS Nano</i> , 2022, 16, 6224-6232.	7.3	15
52	Engineered Cellulose Nanofiber Membranes with Ultrathin Low-Dimensional Carbon Material Layers for Photothermal-Enhanced Osmotic Energy Conversion. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13223-13230.	4.0	31
53	WET-Induced Layered Organohydrogel as Bioinspired ÄœStickyÄœ Slippery SkinÄœ for Robust Underwater Oil-Repellency. <i>Advanced Materials</i> , 2022, 34, e2110408.	11.1	29
54	Construction of Graphene-Based ÄœInÄœ Paper-3D Interdigital Microelectrodes for High Performance Metal-Free Flexible Supercapacitors. <i>Small Methods</i> , 2022, 6, e2101454.	4.6	7

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55	Quantum essence of particle superfluidity. <i>Nano Research</i> , 2022, 15, 5230-5234.	5.8	3
56	Hierarchical Confined Assembly of Bilayer Heterostructures with Programmable Patterns. , 2022, 4, 770-778.		4
57	Construction of Free-Standing MOF Sheets through Electrochemical Printing on Superhydrophobic Substrates. , 2022, 4, 609-617.		9
58	Interfacial Superassembly of Light-Responsive Mechanism-Switchable Nanomotors with Tunable Mobility and Directionality. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15517-15528.	4.0	14
59	Biomimetic KcsA channels with ultra-selective K ⁺ transport for monovalent ion sieving. <i>Nature Communications</i> , 2022, 13, 1701.	5.8	46
60	Reliable and Low Temperature Actuation of Water and Oil Slugs in Janus Photothermal Slippery Tube. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17968-17974.	4.0	14
61	An end-capped strategy for crystalline polymer donor to improve the photovoltaic performance of non-fullerene solar cells. <i>Science China Chemistry</i> , 2022, 65, 964-972.	4.2	6
62	Ultrafast rectifying counter-directional transport of proton and metal ions in metal-organic framework-based nanochannels. <i>Science Advances</i> , 2022, 8, eabl5070.	4.7	48
63	Superassembled Hierarchical Asymmetric Magnetic Mesoporous Nanorobots Driven by Smart Confined Catalytic Degradation. <i>Chemistry - A European Journal</i> , 2022, 28, e202200307.	1.7	2
64	Miscible organic liquid separation of superwetting membrane driven by synergistic polar/nonpolar interactions. <i>Matter</i> , 2022, 5, 1251-1262.	5.0	10
65	Superassembly of Surface-Enriched Ru Nanoclusters from Trapping-Bonding Strategy for Efficient Hydrogen Evolution. <i>ACS Nano</i> , 2022, 16, 7993-8004.	7.3	54
66	Bioinspired poly (ionic liquid) membrane for efficient salinity gradient energy harvesting: Electrostatic crosslinking induced hierarchical nanoporous network. <i>Nano Energy</i> , 2022, 97, 107170.	8.2	18
67	Lead-Free Chiral 2D Double Perovskite Microwire Arrays for Circularly Polarized Light Detection. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	21
68	Janus Photochemical/Photothermal Azobenzene Inverse Opal Actuator with Shape Self-Recovery toward Sophisticated Motion. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1727-1739.	4.0	8
69	Controlling Directional Liquid Transport on Dual Cylindrical Fibers with Oriented Open-Wedges. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	8
70	Interfacially Super-Assembled Tyramine-Modified Mesoporous Silica-Alumina Oxide Heterochannels for Label-Free Tyrosinase Detection. <i>Analytical Chemistry</i> , 2022, 94, 2589-2596.	3.2	10
71	Soft Patch Interface-Oriented Superassembly of Complex Hollow Nanoarchitectures for Smart Dual-Responsive Nanospacecrafts. <i>Journal of the American Chemical Society</i> , 2022, 144, 7778-7789.	6.6	25
72	Electrochemical On-Site Switching of the Directional Liquid Transport on a Conical Fiber. <i>Advanced Materials</i> , 2022, 34, e2200759.	11.1	11

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73	From Dynamic Superwettability to Ionic/Molecular Superfluidity. <i>Accounts of Chemical Research</i> , 2022, 55, 1195-1204.	7.6	24
74	TiO ₂ with Confined Water Boosts Ultrahigh Selective Enrichment of Phosphorylated Proteins. <i>ACS Applied Materials & Interfaces</i> , 2022, , .	4.0	2
75	Deterministic Assembly of Colloidal Quantum Dots for Multifunctional Integrated Photonics. <i>Advanced Materials</i> , 2022, 34, e2110695.	11.1	6
76	â€œNanocompoundsiteâ€• Nano phased polymer dispersed in inorganic matrix via covalent bonds. <i>Nano Research</i> , 2022, 15, 6582-6589.	5.8	1
77	Underwater Directional and Continuous Manipulation of Gas Bubbles on Superaerophobic Magnetically Responsive Microcilia Array. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	19
78	High-efficiency, self-grinding exfoliation of small graphene nanosheets from microcrystalline graphite driven by microbead milling as conductive additives. <i>Science China Materials</i> , 2022, 65, 2463-2471.	3.5	5
79	ä¸¸f/âˆˆç»“æž„éœè%²âˆ•â€–çš„èf†ç”¾åžœæ²™¶â¾ç²’ç””ä½œé†æˆ¼æ„Ÿâ™™. <i>Science China Materials</i> , 2022, 65, 2565-2577		
80	Confined Assembly of Colloidal Nanorod Superstructures by Locally Controlling Freeâ€•Volume Entropy in Nonequilibrium Fluids. <i>Advanced Materials</i> , 2022, 34, e2202119.	11.1	5
81	Electric field modulated water permeation through laminar Ti ₃ C ₂ T _x MXene membrane. <i>Water Research</i> , 2022, 219, 118598.	5.3	26
82	Bioinspired Superspreading Surface: From Essential Mechanism to Application. <i>Accounts of Chemical Research</i> , 2022, 55, 1467-1479.	7.6	52
83	Bioinspired Anisotropic Slippery Cilia for Stiffness-Controllable Bubble Transport. <i>ACS Nano</i> , 2022, 16, 9348-9358.	7.3	19
84	Liquid Film Sculpture via Droplet Impacting on Microstructured Heterowettable Surfaces. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	15
85	Superassembled Hierarchical Asymmetric Magnetic Mesoporous Nanorobots Driven by Smart Confined Catalytic Degradation. <i>Chemistry - A European Journal</i> , 2022, 28, e202201278.	1.7	2
86	One Porphyrin Per Chain Self-Assembled Helical Ion-Exchange Channels for Ultrahigh Osmotic Energy Conversion. <i>Journal of the American Chemical Society</i> , 2022, 144, 9472-9478.	6.6	41
87	Spontaneous and Selective Potassium Transport through a Suspended Tailor-Cut Ti ₃ C ₂ T _x MXene Film. <i>ACS Nano</i> , 2022, 16, 9142-9149.	7.3	24
88	Bioinspired Robust Water Repellency in High Humidity by Micro-meter-Scaled Conical Fibers: Toward a Long-Time Underwater Aerobic Reaction. <i>Journal of the American Chemical Society</i> , 2022, 144, 10950-10957.	6.6	23
89	Reversible phase transition for switchable second harmonic generation in 2D perovskite microwires. <i>SmartMat</i> , 2022, 3, 657-667.	6.4	8
90	Graphdiyne Nanospheres as a Wettability and Electron Modifier for Enhanced Hydrogenation Catalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	22

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91	Liquid Film Sculpture via Droplet Impacting on Microstructured Heterowettable Surfaces (Adv. Funct.) Tj ETQq1 1 0,784314 rgBT /Overl	7.8	2
92	Wetting-Induced Water Promoted Flow on Tunable Liquidâ€“Liquid Interface-Based Nanopore Membrane System. ACS Nano, 2022, 16, 11092-11101.	7.3	7
93	Anion Concentration Gradient-Assisted Construction of a Solidâ€“Electrolyte Interphase for a Stable Zinc Metal Anode at High Rates. Journal of the American Chemical Society, 2022, 144, 11168-11177.	6.6	94
94	Cement-and-pebble nanofluidic membranes with stable acid resistance as osmotic energy generators. Science China Materials, 2022, 65, 2729-2736.	3.5	2
95	A Euryhalineâ€“Fishâ€“Inspired Salinity Selfâ€“Adaptive Nanofluidic Diode Leads to Highâ€“Performance Blue Energy Harvesters. Advanced Materials, 2022, 34, .	11.1	42
96	Strong Inâ€“Plane Anisotropy and Giant Second Harmonic Generation Response of Organic Singleâ€“Crystalline Microwire Arrays. Advanced Optical Materials, 2022, 10, .	3.6	6
97	Universal and Stable Slippery Coatings: Chemical Combination Induced Adhesiveâ€“Lubricant Cooperation. Small, 2022, 18, .	5.2	8
98	Super-Assembled Chiral Mesostructured Heteromembranes for Smart and Sensitive Couple-Accelerated Enantioseparation. Journal of the American Chemical Society, 2022, 144, 13794-13805.	6.6	22
99	Tailoring Sulfonated Poly(phenyl-alkane)s of Intrinsic Microporosity Membrane for Advanced Osmotic Energy Conversion. , 2022, 4, 1422-1429.		11
100	Highly Selective Semihydrogenation via a Wettability-Regulated Mass Transfer Process. ACS Catalysis, 2022, 12, 8494-8502.	5.5	4
101	One-Step Patterning of Organic Semiconductors on Gold Electrodes via Capillary-Bridge Manipulation. ACS Applied Materials & Interfaces, 2022, 14, 32761-32770.	4.0	4
102	Ion transport regulation through triblock copolymer/PET asymmetric nanochannel membrane: Model system establishment and rectification mapping. Chinese Chemical Letters, 2021, 32, 822-825.	4.8	29
103	Demonstration of biophoton-driven DNA replication via gold nanoparticle-distance modulated yield oscillation. Nano Research, 2021, 14, 40-45.	5.8	26
104	Bioâ€“based hydroxymethylated eugenol modified bismaleimide resin and its highâ€“temperature composites. Journal of Applied Polymer Science, 2021, 138, .	1.3	14
105	Decoupling hydrogen production from water oxidation by integrating a triphase interfacial bioelectrochemical cascade reaction. Science Bulletin, 2021, 66, 164-169.	4.3	10
106	Crystal face dependent intrinsic wettability of metal oxide surfaces. National Science Review, 2021, 8, nwaa166.	4.6	33
107	Euryhaline Hydrogel with Constant Swelling and Salinityâ€“Enhanced Mechanical Strength in a Wide Salinity Range. Advanced Functional Materials, 2021, 31, 2007664.	7.8	23
108	Superwetting Shape Memory Microstructure: Smart Wetting Control and Practical Application. Advanced Materials, 2021, 33, e2001718.	11.1	73

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109	Anti-vapor-penetration and condensate microdrop self-transport of superhydrophobic oblique nanowire surface under high subcooling. <i>Nano Research</i> , 2021, 14, 1429-1434.	5.8	22
110	A universal functionalization strategy for biomimetic nanochannel via external electric field assisted non-covalent interaction. <i>Nano Research</i> , 2021, 14, 1421-1428.	5.8	16
111	Control the Entire Journey of Pesticide Application on Superhydrophobic Plant Surface by Dynamic Covalent Trimeric Surfactant Coacervation. <i>Advanced Functional Materials</i> , 2021, 31, 2006606.	7.8	83
112	Metal organic framework enhanced SPEEK/SPSF heterogeneous membrane for ion transport and energy conversion. <i>Nano Energy</i> , 2021, 81, 105657.	8.2	47
113	Engineered Sulfonated Polyether Sulfone Nanochannel Membranes for Salinity Gradient Power Generation. <i>ACS Applied Polymer Materials</i> , 2021, 3, 485-493.	2.0	14
114	Ultrasensitive Monovalent Metal Ion Conduction in a Three-Dimensional Sub-1 nm Nanofluidic Device Constructed by Metal-Organic Frameworks. <i>ACS Nano</i> , 2021, 15, 1240-1249.	7.3	52
115	Enhancement of interfacial catalysis in a triphase reactor using oxygen nanocarriers. <i>Nano Research</i> , 2021, 14, 172-176.	5.8	9
116	Light-driven directional ion transport for enhanced osmotic energy harvesting. <i>National Science Review</i> , 2021, 8, nwaa231.	4.6	24
117	Bioinspired Surface with Superwettability for Controllable Liquid Dynamics. <i>Advanced Materials Interfaces</i> , 2021, 8, 2000824.	1.9	21
118	Asymmetric and hierarchical porous carbon membranes prepared by a single-step soft-templated method. <i>Chemical Engineering Communications</i> , 2021, 208, 166-170.	1.5	1
119	Interfacial Potential Gradient Induced a Significant Enhancement of Photoelectric Conversion: Thiophene Polyelectrolyte (PTE-BS) and Bipyridine Ruthenium (N3) Cooperative Regulated Biomimetic Nanochannels. <i>Advanced Energy Materials</i> , 2021, 11, 2003340.	10.2	9
120	Biomimetic caged platinum catalyst for hydrosilylation reaction with high site selectivity. <i>Nature Communications</i> , 2021, 12, 64.	5.8	16
121	Solution processed 1D polymer/SWCNT composite arrays for high-performance field effect transistors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6597-6604.	2.7	2
122	Metallic Two-Dimensional MoS ₂ Composites as High-Performance Osmotic Energy Conversion Membranes. <i>Journal of the American Chemical Society</i> , 2021, 143, 1932-1940.	6.6	133
123	Modulation of solid surface with desirable under-liquid wettability based on molecular hydrophilic-lipophilic balance. <i>Chemical Science</i> , 2021, 12, 6136-6142.	3.7	17
124	Photothermal slippery surfaces towards spatial droplet manipulation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16974-16981.	5.2	27
125	Bioinspired Cavity Regulation on Superhydrophobic Spheres for Drag Reduction in an Aqueous Medium. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4796-4803.	4.0	22
126	Multi-solvent large stopband monitoring based on the insolubility/superoleophilicity of PEDOT inverse opals. <i>Nanoscale Advances</i> , 2021, 3, 4519-4527.	2.2	3

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127	Underwater Gas Manipulation: Designing Flexible but Tough Slippery Track for Underwater Gas Manipulation (Small 8/2021). <i>Small</i> , 2021, 17, 2170035.	5.2	0
128	High-strength scalable graphene sheets by freezing stretch-induced alignment. <i>Nature Materials</i> , 2021, 20, 624-631.	13.3	117
129	Dual-responsive shape memory polymer arrays with smart and precise multiple-wetting controllability. <i>Science China Materials</i> , 2021, 64, 1801-1812.	3.5	17
130	Interfacial Super-Assembly of Ordered Mesoporous Silica-Alumina Heterostructure Membranes with pH-Sensitive Properties for Osmotic Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8782-8793.	4.0	44
131	Bioinspired Two-Dimensional Structure with Asymmetric Wettability Barriers for Unidirectional and Long-Distance Gas Bubble Delivery Underwater. <i>Nano Letters</i> , 2021, 21, 2117-2123.	4.5	43
132	Nacre-like Mechanically Robust Heterojunction for Lithium-Ion Extraction. <i>Matter</i> , 2021, 4, 737-754.	5.0	69
133	The quantized chemical reaction resonantly driven by multiple MIR-photons: From nature to the artificial. <i>Nano Research</i> , 2021, 14, 4367-4369.	5.8	14
134	Titanium Dioxide Derived Materials with Superwettability. <i>Catalysts</i> , 2021, 11, 425.	1.6	11
135	Free-Standing Covalent Organic Framework Membrane for High-Efficiency Salinity Gradient Energy Conversion. <i>Angewandte Chemie</i> , 2021, 133, 10013-10018.	1.6	28
136	Harnessing Ionic Power from Equilibrium Electrolyte Solution via Photoinduced Active Ion Transport through van-der-Waals-Like Heterostructures. <i>Advanced Materials</i> , 2021, 33, e2007529.	11.1	37
137	Inkless Rewritable Photonic Crystals Paper Enabled by a Light-Driven Azobenzene Mesogen Switch. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 12383-12392.	4.0	28
138	Aggregation-Induced Emission Molecule Microwire-Based Specific Organic Vapor Detector through Structural Modification. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 12501-12508.	4.0	13
139	Over 14% Efficiency Single-Junction Organic Solar Cells Enabled by Reasonable Conformation Modulating in Naphtho[2,3-b:6,7-b']difuran Based Polymer. <i>Advanced Energy Materials</i> , 2021, 11, 2003954. ^{10.2}	10.2	19
140	A Spider-Silk-Inspired Wet Adhesive with Supercold Tolerance. <i>Advanced Materials</i> , 2021, 33, e2007301.	11.1	59
141	Ionic Transport and Robust Switching Properties of the Confined Self-Assembled Block Copolymer/Homopolymer in Asymmetric Nanochannels. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14507-14517.	4.0	15
142	A shape memory porous sponge with tunability in both surface wettability and pore size for smart molecule release. <i>Science China Materials</i> , 2021, 64, 2337-2347.	3.5	7
143	Interfacial Super-Assembly of Mode Janus Porous Heterochannels from Layered Graphene and Aluminum Oxide Array for Smart Oriented Ion Transportation. <i>Small</i> , 2021, 17, e2100141.	5.2	30
144	Free-Standing Covalent Organic Framework Membrane for High-Efficiency Salinity Gradient Energy Conversion. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9925-9930.	7.2	94

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145	Manipulating Dispersions of Magnetic Nanoparticles. <i>Nano Letters</i> , 2021, 21, 2699-2708.	4.5	15
146	Microchannel and Nanofiber Array Morphology Enhanced Rapid Superspreading on Animals'™ Corneas. <i>Advanced Materials</i> , 2021, 33, e2007152.	11.1	26
147	Super-spreading on superamphiphilic micro-organized nanochannel anodic aluminum oxide surfaces for heat dissipation. <i>IScience</i> , 2021, 24, 102334.	1.9	15
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926	Inkjet Printing Patterned Photonic Crystal Domes for Wide Viewing Angle Displays by Controlling the Sliding Three Phase Contact Line. <i>Advanced Optical Materials</i> , 2014, 2, 34-38.	3.6	221
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976	Nanoparticles: A General Strategy for Assembling Nanoparticles in One Dimension (<i>Adv. Mater.</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	11.1	0
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