Shutao Wang

List of Publications by Year in descending order

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284 papers	25,096 citations	8755 75 h-index	7950 149 g-index
305 all docs	305 docs citations	305 times ranked	22461 citing authors

#	Article	IF	Citations
1	Scalable and Robust Bio-inspired Organogel Coating by Spraying Method Towards Dynamic Anti-scaling. Chemical Research in Chinese Universities, 2023, 39, 127-132.	2.6	2
2	Thermoâ€Responsive Jamming of Nanoparticle Dense Suspensions towards Macroscopic Liquidâ€“Solid Switchable Materials. Angewandte Chemie, 2022, 134, e202114602.	2.0	4
3	Thermoâ€Responsive Jamming of Nanoparticle Dense Suspensions towards Macroscopic Liquidâ€“Solid Switchable Materials. Angewandte Chemie - International Edition, 2022, 61, .	13.8	11
4	Reconstructable Uterusâ€Derived Materials for Uterus Recovery toward Efficient Live Births. Advanced Materials, 2022, 34, e2106510.	21.0	15
5	Surface adhesion engineering for robust organic semiconductor devices. Journal of Materials Chemistry C, 2022, 10, 2516-2526.	5.5	2
6	Cell-based biocomposite engineering directed by polymers. Lab on A Chip, 2022, 22, 1042-1067.	6.0	8
7	Utilizing Heterostructured Porous Particles to Improve Traditional Paper Chromatography for Spontaneous Protein Separation. Langmuir, 2022, 38, 4250-4255.	3.5	2
8	WETâ€Induced Layered Organohydrogel as Bioinspired â€œStickyâ€Slippy Skinâ€•for Robust Underwater Oilâ€Repellency. Advanced Materials, 2022, 34, e2110408.	21.0	29
9	Oil-polluted water purification via the carbon-nanotubes-doped organohydrogel platform. Nano Research, 2022, 15, 5653-5662.	10.4	10
10	Space-Confinment-Enhanced Fluorescence Detection of DNA on Hydrogel Particles Array. ACS Nano, 2022, 16, 6266-6273.	14.6	31
11	Bioinspired superwettable electrodes towards electrochemical biosensing. Chemical Science, 2022, 13, 5069-5084.	7.4	14
12	Emerging Nanoporous Materials for Biomolecule Separation. Advanced Functional Materials, 2022, 32, .	14.9	11
13	A Uterusâ€Inspired Niche Drives Blastocyst Development to the Early Organogenesis. Advanced Science, 2022, 9, .	11.2	4
14	Semi-convertible Hydrogel Enabled Photoresponsive Lubrication. Matter, 2021, 4, 675-687.	10.0	33
15	How to Prevent Bubbles in Microfluidic Channels. Langmuir, 2021, 37, 2187-2194.	3.5	20
16	A Spiderâ€Silkâ€Inspired Wet Adhesive with Supercold Tolerance. Advanced Materials, 2021, 33, e2007301.	21.0	59
17	A Wettingâ€Enabledâ€Transfer (WET) Strategy for Precise Surface Patterning of Organohydrogels. Advanced Materials, 2021, 33, e2008557.	21.0	36
18	Unusual Nanofractal Microparticles for Rapid Protein Capture and Release. Small, 2021, 17, e2102802.	10.0	10

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19	Recent Progress of Bioinspired Scalephobic Surfaces with Specific Barrier Layers. Langmuir, 2021, 37, 8639-8657.	3.5	15
20	Polymerâ€Assisted Metallization of Mammalian Cells. Advanced Materials, 2021, 33, e2102348.	21.0	12
21	Dip-Pen Nanolithography(DPN): from Micro/Nano-patterns to Biosensing. Chemical Research in Chinese Universities, 2021, 37, 846-854.	2.6	5
22	Nacreâ€Inspired Biomineralized Mesh toward Scalable and Robust Oilâ€“Water Separation with High Efficiency. Advanced Materials Interfaces, 2021, 8, 2100852.	3.7	10
23	Evaporationâ€Induced rGO Coatings for Highly Sensitive and Nonâ€Invasive Diagnosis of Prostate Cancer in the PSA Gray Zone. Advanced Materials, 2021, 33, e2103999.	21.0	18
24	Advanced Nanotechnologies for Extracellular Vesicleâ€Based Liquid Biopsy. Advanced Science, 2021, 8, e2102789.	11.2	46
25	Recent Progress of Spider-Silk-Inspired Adhesive Materials. , 2021, 3, 1453-1467.		15
26	A Bioinspired Adhesiveâ€Integratedâ€Agent Strategy for Constructing Robust Gasâ€Sensing Arrays. Advanced Materials, 2021, 33, e2106067.	21.0	11
27	A reversible underwater glue based on photo- and thermo-responsive dynamic covalent bonds. Materials Horizons, 2020, 7, 282-288.	12.2	113
28	Bioinspired Multiscale Wet Adhesive Surfaces: Structures and Controlled Adhesion. Advanced Functional Materials, 2020, 30, 1905287.	14.9	137
29	Advanced Antiscaling Interfacial Materials toward Highly Efficient Heat Energy Transfer. Advanced Functional Materials, 2020, 30, 1904796.	14.9	33
30	Recent Progress of Microfluidic Devices for Hemodialysis. Small, 2020, 16, e1904076.	10.0	24
31	Manipulating the hydrophobicity of DNA as a universal strategy for visual biosensing. Nature Protocols, 2020, 15, 316-337.	12.0	19
32	Recent progress of electrowetting for droplet manipulation: from wetting to superwetting systems. Materials Chemistry Frontiers, 2020, 4, 140-154.	5.9	67
33	Bioinspired wettableâ€“nonwettable micropatterns for emerging applications. Journal of Materials Chemistry B, 2020, 8, 8101-8115.	5.8	19
34	Superwettable Surface Engineering in Controlling Cell Adhesion for Emerging Bioapplications. Small Methods, 2020, 4, 2000573.	8.6	40
35	Durable Underwater Superoleophobic Coatings via Dispersed Micro Particle-Induced Hierarchical Structures Inspired by Pomfret Skin. ACS Applied Materials & Interfaces, 2020, 12, 42430-42436.	8.0	14
36	Bioinspired Ultrafast-Responsive Nanofluidic System for Ion and Molecule Transport with Speed Control. ACS Nano, 2020, 14, 12614-12620.	14.6	21

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37	Integrated Ultrasonic Aggregation-Induced Enrichment with Raman Enhancement for Ultrasensitive and Rapid Biosensing. Analytical Chemistry, 2020, 92, 7816-7821.	6.5	54
38	Underwater Superoleophobicity: Nacreâ€Inspired Mineralized Films with High Transparency and Mechanically Robust Underwater Superoleophobicity (Adv. Mater. 11/2020). Advanced Materials, 2020, 32, 2070084.	21.0	3
39	An innovative armour-strategy for robust superhydrophobic surfaces. Science China Chemistry, 2020, 63, 1578-1579.	8.2	1
40	Superwettable electrochemical biosensor based on a dual-DNA walker strategy for sensitive E. coli O157: H7 DNA detection. Sensors and Actuators B: Chemical, 2020, 321, 128472.	7.8	29
41	Hydrogel-Coated Dental Device with Adhesion-Inhibiting and Colony-Suppressing Properties. ACS Applied Materials & Interfaces, 2020, 12, 9718-9725.	8.0	65
42	GrenzflÃchenpolymerisation: Von der Chemie zu funktionellen Materialien. Angewandte Chemie, 2020, 132, 22024-22041.	2.0	11
43	Interfacial Polymerization: From Chemistry to Functional Materials. Angewandte Chemie - International Edition, 2020, 59, 21840-21856.	13.8	204
44	Nacreâ€Inspired Mineralized Films with High Transparency and Mechanically Robust Underwater Superoleophobicity. Advanced Materials, 2020, 32, e1907413.	21.0	51
45	Bioinspired Superwettable Microspine Chips with Directional Droplet Transportation for Biosensing. ACS Nano, 2020, 14, 4654-4661.	14.6	81
46	Layered nanocomposites by shear-flow-induced alignment of nanosheets. Nature, 2020, 580, 210-215.	27.8	284
47	Flexible Dry Hydrogel with Lamella-Like Structure Engineered via Dehydration in Poor Solvent. CCS Chemistry, 2020, 2, 533-543.	7.8	7
48	Super Adhesive of Nanoparticle Solutions. Acta Chimica Sinica, 2020, 78, 463.	1.4	1
49	Flexible Dry Hydrogel with Lamella-Like Structure Engineered via Dehydration in Poor Solvent. CCS Chemistry, 2020, 2, 533-543.	7.8	0
50	A Selfâ€Pumping Dressing for Draining Excessive Biofluid around Wounds. Advanced Materials, 2019, 31, e1804187.	21.0	220
51	Directional transport of centimeter-scale object on anisotropic microcilia surface under water. Science China Materials, 2019, 62, 236-244.	6.3	13
52	Bioinspired Microfluidic Device by Integrating a Porous Membrane and Heterostructured Nanoporous Particles for Biomolecule Cleaning. ACS Nano, 2019, 13, 8374-8381.	14.6	40
53	Photo-Irresponsive Molecule-Amplified Cell Release on Photoresponsive Nanostructured Surfaces. ACS Applied Materials & Interfaces, 2019, 11, 29681-29688.	8.0	18
54	Bioinspired Janus Textile with Conical Micropores for Human Body Moisture and Thermal Management. Advanced Materials, 2019, 31, e1904113.	21.0	243

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55	Asymmetric Janus adhesive tape prepared by interfacial hydrosilylation for wet/dry amphibious adhesion. NPG Asia Materials, 2019, 11, .	7.9	33
56	Bioinspired Superhydrophobic Niâ€“Ti Archwires with Resistance to Bacterial Adhesion and Nickel Ion Release. Advanced Materials Interfaces, 2019, 6, 1801569.	3.7	13
57	A three-dimensional DNA walking machine for the ultrasensitive dual-modal detection of miRNA using a fluorometer and personal glucose meter. Nanoscale, 2019, 11, 11279-11284.	5.6	43
58	Bioinspired superwettable micropatterns for biosensing. Chemical Society Reviews, 2019, 48, 3153-3165.	38.1	110
59	Differential Homeostasis of Sessile and Pendant Epithelium Reconstituted in a 3Dâ€Printed â€œGeminiChipâ€• Advanced Materials, 2019, 31, e1900514.	21.0	12
60	Precise Synthesis of Polymer Particles Spanning from Anisotropic Janus Particles to Heterogeneous Nanoporous Particles. Macromolecules, 2019, 52, 3237-3243.	4.8	19
61	Chirality Controls Mesenchymal Stem Cell Lineage Diversification through Mechanoresponses. Advanced Materials, 2019, 31, e1900582.	21.0	73
62	Binary polymer brush patterns from facile initiator stickiness for cell culturing. Faraday Discussions, 2019, 219, 189-202.	3.2	8
63	Selfâ€Organization: Topographyâ€Induced Cell Selfâ€Organization from Simple to Complex Aggregates (Small 15/2019). Small, 2019, 15, 1970080.	10.0	0
64	Superhydrophobic Archwires: Bioinspired Superhydrophobic Niâ€“Ti Archwires with Resistance to Bacterial Adhesion and Nickel Ion Release (Adv. Mater. Interfaces 7/2019). Advanced Materials Interfaces, 2019, 6, 1970046.	3.7	4
65	Topographyâ€Induced Cell Selfâ€Organization from Simple to Complex Aggregates. Small, 2019, 15, e1900030.	10.0	10
66	pHâ€Regulated Heterostructure Porous Particles Enable Similarly Sized Protein Separation. Advanced Materials, 2019, 31, e1900391.	21.0	38
67	Skin Adhesives with Controlled Adhesion by Polymer Chain Mobility. ACS Applied Materials & Interfaces, 2019, 11, 1496-1502.	8.0	48
68	Tunable multi-stage wettability and adhesion force on polymer brushes triggered by temperature and pH. Science China Materials, 2019, 62, 597-603.	6.3	5
69	Bio-inspired superhydrophilic coatings with high anti-adhesion against mineral scales. NPG Asia Materials, 2018, 10, e471-e471.	7.9	30
70	AIE-based superwettable microchips for evaporation and aggregation induced fluorescence enhancement biosensing. Biosensors and Bioelectronics, 2018, 111, 124-130.	10.1	69
71	Electrochemical Responsive Superhydrophilic Surfaces of Polythiophene Derivatives towards Cell Capture and Release. ChemPhysChem, 2018, 19, 2046-2051.	2.1	13
72	Seeded Mineralization Leads to Hierarchical CaCO₃ Thin Coatings on Fibers for Oil/Water Separation Applications. Langmuir, 2018, 34, 2942-2951.	3.5	33

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73	Bioinspired Supramolecular Lubricating Hydrogel Induced by Shear Force. Journal of the American Chemical Society, 2018, 140, 3186-3189.	13.7	112
74	Janus Particles Synthesis by Emulsion Interfacial Polymerization: Polystyrene as Seed or Beyond?. Macromolecules, 2018, 51, 1591-1597.	4.8	51
75	Bioinspired Superdurable Pestleâ€Loop Mechanical Interlocker with Tunable Peeling Force, Strong Shear Adhesion, and Low Noise. Advanced Science, 2018, 5, 1700787.	11.2	17
76	Protein-mediated anti-adhesion surface against oral bacteria. Nanoscale, 2018, 10, 2711-2714.	5.6	28
77	Superwettable Electrochemical Biosensor toward Detection of Cancer Biomarkers. ACS Sensors, 2018, 3, 72-78.	7.8	84
78	Photo and Thermo Dualâ€Responsive Copolymer Surfaces for Efficient Cell Capture and Release. ChemPhysChem, 2018, 19, 2107-2112.	2.1	23
79	Photo-responsive smart surfaces with controllable cell adhesion. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 202-211.	3.9	26
80	Superwettable microchips with improved spot homogeneity toward sensitive biosensing. Biosensors and Bioelectronics, 2018, 102, 418-424.	10.1	47
81	Renewable superwettable biochip for miRNA detection. Sensors and Actuators B: Chemical, 2018, 258, 715-721.	7.8	42
82	Nonswellable hydrogels with robust micro/nano-structures and durable superoleophobic surfaces under seawater. Science China Chemistry, 2018, 61, 64-70.	8.2	25
83	Bioinspired DNAâ€“Inorganic Hybrid Nanoflowers Combined with a Personal Glucose Meter for Onsite Detection of miRNA. ACS Applied Materials & Interfaces, 2018, 10, 42050-42057.	8.0	58
84	Simultaneous Monitoring of Mitochondrial Temperature and ATP Fluctuation Using Fluorescent Probes in Living Cells. Analytical Chemistry, 2018, 90, 12553-12558.	6.5	39
85	Controlling Droplet Motion on an Organogel Surface by Tuning the Chain Length of DNA and Its Biosensing Application. CheM, 2018, 4, 2929-2943.	11.7	42
86	Artificial Asymmetric Cilia Array of Dielectric Elastomer for Cargo Transportation. ACS Applied Materials & Interfaces, 2018, 10, 42979-42984.	8.0	27
87	Repairable cascaded slide-lock system endows bird feathers with tear-resistance and superdurability. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10046-10051.	7.1	27
88	Polyoxometalate-based microcrystal arrays patterned on air-grid superwettable surface. Scientific Reports, 2018, 8, 13915.	3.3	1
89	Synergistic Effect of Granular Seed Substrates and Soluble Additives in Structural Control of Prismatic CaCO₃ Thin Films. Langmuir, 2018, 34, 11126-11138.	3.5	7
90	Frosted Slides Decorated with Silica Nanowires for Detecting Circulating Tumor Cells from Prostate Cancer Patients. ACS Applied Materials & Interfaces, 2018, 10, 19545-19553.	8.0	25

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91	Controlled Growth of Patterned Conducting Polymer Microsuckers on Superhydrophobic Micropillarâ€Structured Templates. Advanced Functional Materials, 2018, 28, 1800240.	14.9	27
92	Engineering subcellular-patterned biointerfaces to regulate the surface wetting of multicellular spheroids. Nano Research, 2018, 11, 5704-5715.	10.4	13
93	Recent Progress in Isolation and Detection of Extracellular Vesicles for Cancer Diagnostics. Advanced Healthcare Materials, 2018, 7, e1800484.	7.6	106
94	Bio-Inspired Underwater Super Oil-Repellent Coatings for Anti-Oil Pollution. Langmuir, 2018, 34, 6063-6069.	3.5	21
95	Interfacially Polymerized Particles with Heterostructured Nanopores for Glycopeptide Separation. Advanced Materials, 2018, 30, e1803299.	21.0	54
96	Enhanced lateral flow assay with double conjugates for the detection of exosomes. Science China Chemistry, 2018, 61, 1423-1429.	8.2	23
97	Hydrophilic/Oleophilic Magnetic Janus Particles for the Rapid and Efficient Oilâ€“Water Separation. Advanced Functional Materials, 2018, 28, 1802493.	14.9	144
98	A highly sensitive and facile graphene oxide-based nucleic acid probe: Label-free detection of telomerase activity in cancer patient's urine using AIEgens. Biosensors and Bioelectronics, 2017, 89, 417-421.	10.1	53
99	Advances in Bioinspired Interfacial Materials with Superwettability. Small, 2017, 13, 1604106.	10.0	4
100	Recent progress in interfacial polymerization. Materials Chemistry Frontiers, 2017, 1, 1028-1040.	5.9	116
101	Near-infrared (NIR) controlled reversible cell adhesion on a responsive nano-biointerface. Nano Research, 2017, 10, 1345-1355.	10.4	41
102	Efficient Capture of Cancer Cells by Their Replicated Surfaces Reveals Multiscale Topographic Interactions Coupled with Molecular Recognition. ACS Applied Materials & Interfaces, 2017, 9, 10537-10543.	8.0	44
103	Microâ€Nanomachines: Fuelâ€Free Synthetic Microâ€Nanomachines (Adv. Mater. 9/2017). Advanced Materials, 2017, 29, .	21.0	4
104	Cell adhesive spectra along surface wettability gradient from superhydrophilicity to superhydrophobicity. Science China Chemistry, 2017, 60, 614-620.	8.2	42
105	Recent Progress of Musselâ€Inspired Underwater Adhesives. Chinese Journal of Chemistry, 2017, 35, 811-820.	4.9	35
106	Frontispiece: Superamphiphilic Silicon Wafer Surfaces and Applications for Uniform Polymer Film Fabrication. Angewandte Chemie - International Edition, 2017, 56, .	13.8	1
107	Bioinspired Pollenâ€Like Hierarchical Surface for Efficient Recognition of Target Cancer Cells. Advanced Healthcare Materials, 2017, 6, 1700003.	7.6	31
108	Antibacterial Property of a Polyethylene Glycol-Grafted Dental Material. ACS Applied Materials & Interfaces, 2017, 9, 17688-17692.	8.0	67

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109	A general strategy to synthesize chemically and topologically anisotropic Janus particles. Science Advances, 2017, 3, e1603203.	10.3	105
110	Directing Stem Cell Differentiation via Electrochemical Reversible Switching between Nanotubes and Nanotips of Polypyrrole Array. ACS Nano, 2017, 11, 5915-5924.	14.6	89
111	A monolithic hydro/organo macro copolymer actuator synthesized via interfacial copolymerization. NPG Asia Materials, 2017, 9, e380-e380.	7.9	71
112	Frontispiz: Superamphiphilic Silicon Wafer Surfaces and Applications for Uniform Polymer Film Fabrication. Angewandte Chemie, 2017, 129, .	2.0	0
113	Ni Foam-Supported Carbon-Sheathed NiMoO₄ Nanowires as Integrated Electrode for High-Performance Hybrid Supercapacitors. ACS Sustainable Chemistry and Engineering, 2017, 5, 5964-5971.	6.7	61
114	A bio-inspired high strength three-layer nanofiber vascular graft with structure guided cell growth. Journal of Materials Chemistry B, 2017, 5, 3758-3764.	5.8	62
115	Superamphiphilic Silicon Wafer Surfaces and Applications for Uniform Polymer Film Fabrication. Angewandte Chemie - International Edition, 2017, 56, 5720-5724.	13.8	54
116	Superamphiphilic Silicon Wafer Surfaces and Applications for Uniform Polymer Film Fabrication. Angewandte Chemie, 2017, 129, 5814-5818.	2.0	11
117	Fuelâ€Free Synthetic Microâ€/Nanomachines. Advanced Materials, 2017, 29, 1603250.	21.0	310
118	Superwettable Microchips as a Platform toward Microgravity Biosensing. ACS Nano, 2017, 11, 621-626.	14.6	74
119	Photo-responsive polymer materials for biological applications. Chinese Chemical Letters, 2017, 28, 2085-2091.	9.0	35
120	Architecting a Mesoporous N-Doped Graphitic Carbon Framework Encapsulating CoTe₂ as an Efficient Oxygen Evolution Electrocatalyst. ACS Applied Materials & Interfaces, 2017, 9, 36146-36153.	8.0	73
121	Promoting Cell Migration in Tissue Engineering Scaffolds with Graded Channels. Advanced Healthcare Materials, 2017, 6, 1700472.	7.6	41
122	Antioxidant-loaded carbon nanotube to sustain a long-term aging-protection for acrylonitrile-butadiene rubber. Polymer Degradation and Stability, 2017, 144, 93-99.	5.8	23
123	Visible-light-responsive polymeric multilayers for trapping and release of cargoes via hostâ€“guest interactions. Polymer Chemistry, 2017, 8, 5525-5532.	3.9	31
124	Nature-inspired superwettability systems. Nature Reviews Materials, 2017, 2, .	48.7	1,212
125	Interfacial Engineering of Hierarchically Porous NiTi/Hydrogels Nanocomposites with Exceptional Antibiofouling Surfaces. Advanced Materials, 2017, 29, 1602869.	21.0	56
126	Bioâ€Inspired Design and Fabrication of Micro/Nanoâ€Brush Dual Structural Surfaces for Switchable Oil Adhesion and Antifouling. Small, 2017, 13, 1602020.	10.0	69

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127	Wettability Effect on Stem Cell Behavior. , 2017, , 245-255.		1
128	Photoswitched Cell Adhesion on Azobenzeneâ€Containing Selfâ€Assembled Films. ChemPhysChem, 2016, 17, 2503-2508.	2.1	26
129	Smart Thin Hydrogel Coatings Harnessing Hydrophobicity and Topography to Capture and Release Cancer Cells. Small, 2016, 12, 4697-4701.	10.0	61
130	A Green Route for Substrate-Independent Oil-Repellent Coatings. Scientific Reports, 2016, 6, 38016.	3.3	6
131	Thermal decomposition kinetics and mechanism of low-temperature hydrogenated acrylonitrile butadiene rubber composites with sodium methacrylate. Chemical Research in Chinese Universities, 2016, 32, 1045-1051.	2.6	1
132	Improved understanding on the reinforcement of low-temperature hydrogenated nitrile butadiene rubber composites by in situ polymerization of unsaturated metal methacrylate: influences of salt cation. RSC Advances, 2016, 6, 104416-104424.	3.6	5
133	Amplified effect of surface charge on cell adhesion by nanostructures. Nanoscale, 2016, 8, 12540-12543.	5.6	41
134	Improved mechanical properties and thermal degradation of low-temperature hydrogenated acrylonitrile butadiene rubber composites with poly(sodium methacrylate) nanowires. RSC Advances, 2016, 6, 64110-64120.	3.6	6
135	Surface Wettability Switched Cell Adhesion and Detachment on Conducting Polymer Nanoarray. Advanced Materials Interfaces, 2016, 3, 1600598.	3.7	32
136	Light-Triggered Specific Cancer Cell Release from Cyclodextrin/Azobenzene and Aptamer-Modified Substrate. ACS Applied Materials & Interfaces, 2016, 8, 27360-27367.	8.0	88
137	Understanding Surface Adhesion in Nature: A Peeling Model. Advanced Science, 2016, 3, 1500327.	11.2	92
138	Cell micropatterns based on silicone-oil-modified slippery surfaces. Nanoscale, 2016, 8, 18612-18615.	5.6	33
139	Superspreading on Immersed Gel Surfaces for the Confined Synthesis of Thin Polymer Films. Angewandte Chemie, 2016, 128, 3679-3683.	2.0	15
140	Superspreading on Immersed Gel Surfaces for the Confined Synthesis of Thin Polymer Films. Angewandte Chemie - International Edition, 2016, 55, 3615-3619.	13.8	64
141	Three-dimensional superhydrophobic copper 7,7,8,8-tetracyanoquinodimethane biointerfaces with the capability of high adhesion of osteoblasts. Nanoscale, 2016, 8, 3264-3267.	5.6	23
142	Hierarchical Nanowire Arrays as Three-Dimensional Fractal Nanobiointerfaces for High Efficient Capture of Cancer Cells. Nano Letters, 2016, 16, 766-772.	9.1	122
143	Recent progress of abrasion-resistant materials: learning from nature. Chemical Society Reviews, 2016, 45, 237-251.	38.1	42
144	Thermoresponsive Materials: Underwater Thermoresponsive Surface with Switchable Oil-Wettability between Superoleophobicity and Superoleophilicity (Small 27/2015). Small, 2015, 11, 3337-3337.	10.0	1

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145	Saltâ€Tolerant Superoleophobicity on Alginate Gel Surfaces Inspired by Seaweed (<i>Saccharina) Tj ETQq1 1 0.784314 rgBT /Overloc	21.0	163
146	Antibodyâ€Modified Reduced Graphene Oxide Films with Extreme Sensitivity to Circulating Tumor Cells. Advanced Materials, 2015, 27, 6848-6854.	21.0	126
147	Ultratrace DNA Detection Based on the Condensingâ€Enrichment Effect of Superwettable Microchips. Advanced Materials, 2015, 27, 6878-6884.	21.0	135
148	Ionicâ€Liquidâ€Gel Surfaces Showing Easyâ€Sliding and Ultradurable Features. Advanced Materials Interfaces, 2015, 2, 1500177.	3.7	38
149	Semiâ€Eggâ€Like Heterogeneous Compartmentalization of Cells Controlled by Contact Angle Hysteresis. Advanced Functional Materials, 2015, 25, 4506-4511.	14.9	8
150	Rapid Cell Patterning Induced by Differential Topography on Silica Nanofractal Substrates. Small, 2015, 11, 5642-5646.	10.0	16
151	Directly Coating Hydrogel on Filter Paper for Effective Oilâ€“Water Separation in Highly Acidic, Alkaline, and Salty Environment. Advanced Functional Materials, 2015, 25, 5368-5375.	14.9	322
152	Self-interconnecting Pt nanowire network electrode for electrochemical amperometric biosensor. Nanoscale, 2015, 7, 11460-11467.	5.6	42
153	A Self-Cleaning TiO2 Nanosisal-like Coating toward Disposing Nanobiochips of Cancer Detection. ACS Nano, 2015, 9, 9284-9291.	14.6	76
154	Topographical Binding to Mucosa-Exposed Cancer Cells: Pollen-Mimetic Porous Microspheres with Tunable Pore Sizes. ACS Applied Materials & Interfaces, 2015, 7, 8961-8967.	8.0	12
155	Underwater Thermoresponsive Surface with Switchable Oilâ€Wettability between Superoleophobicity and Superoleophilicity. Small, 2015, 11, 3338-3342.	10.0	54
156	Trap Effect of Threeâ€Dimensional Fibers Network for High Efficient Cancerâ€Cell Capture. Advanced Healthcare Materials, 2015, 4, 838-843.	7.6	53
157	Bioinspired Surfaces with Superwettability: New Insight on Theory, Design, and Applications. Chemical Reviews, 2015, 115, 8230-8293.	47.7	1,292
158	Capillary-driven spontaneous oil/water separation by superwettable twines. Nanoscale, 2015, 7, 13164-13167.	5.6	19
159	Unexpected high photothemal conversion efficiency of gold nanospheres upon grafting with two-photon luminescent ruthenium(II) complexes: A way towards cancer therapy?. Biomaterials, 2015, 63, 102-114.	11.4	56
160	Accelerating the Translation of Nanomaterials in Biomedicine. ACS Nano, 2015, 9, 6644-6654.	14.6	279
161	Fabrication of Patterned Concave Microstructures by Inkjet Imprinting. Advanced Functional Materials, 2015, 25, 3286-3294.	14.9	73
162	Splitting a Droplet for Femtoliter Liquid Patterns and Single Cell Isolation. ACS Applied Materials & Interfaces, 2015, 7, 9060-9065.	8.0	95

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163	Superwetting Surfaces under Different Media: Effects of Surface Topography on Wettability. Small, 2015, 11, 1939-1946.	10.0	142
164	A Bioâ€inspired Potassium and pH Responsive Doubleâ€gated Nanochannel. Advanced Functional Materials, 2015, 25, 421-426.	14.9	79
165	Fabricating Surfaces with Tunable Wettability and Adhesion by Ionic Liquids in a Wide Range. Small, 2015, 11, 1782-1786.	10.0	34
166	Multifunctional â€œSmartâ€•Particles Engineered from Live Immunocytes: Toward Capture and Release of Cancer Cells. Advanced Materials, 2015, 27, 310-313.	21.0	123
167	Grooved Organogel Surfaces towards Anisotropic Sliding of Water Droplets. Advanced Materials, 2014, 26, 3131-3135.	21.0	113
168	Threeâ€Dimensional Graphene Composite Macroscopic Structures for Capture of Cancer Cells. Advanced Materials Interfaces, 2014, 1, 1300043.	3.7	82
169	Dualâ€Scaled Porous Nitrocellulose Membranes with Underwater Superoleophobicity for Highly Efficient Oil/Water Separation. Advanced Materials, 2014, 26, 1771-1775.	21.0	311
170	Cancer Cells: Underwater-Transparent Nanodendritic Coatings for Directly Monitoring Cancer Cells (Adv. Healthcare Mater. 3/2014). Advanced Healthcare Materials, 2014, 3, 460-460.	7.6	1
171	Plateletâ€Inspired Multiscaled Cytophilic Interfaces with High Specificity and Efficiency toward Pointâ€ofâ€Care Cancer Diagnosis. Small, 2014, 10, 4677-4683.	10.0	25
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