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## Nature-inspired superwettability systems

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653	Janus Interface Materials: A Critical Review and Comparative Study. <b>2020</b> , 2, 336-357	32
652	Diatom Frustule Silica Exhibits Superhydrophilicity and Superhemophilicity. <b>2020</b> , 14, 4755-4766	26
651	Fabrication of Bioinspired Hydrogels: Challenges and Opportunities. <b>2020</b> , 53, 2769-2782	97
650	Facile Construction of a Superhydrophobic Surface on a Textile with Excellent Electrical Conductivity and Stretchability. <b>2020</b> , 59, 7546-7553	11
649	Tuning the Superhydrophobic Properties of Hierarchical Nano-microstructural Silica Biomorph Arrays Grown at Triphasic Interfaces. <b>2020</b> , 10, 4596	1
648	Rapid fabrication of a transparent superhydrophobic coating: potential application with pollution-free under construction. <b>2020</b> , 126, 1	3
647	Facile Fabrication of Biomimetic Water Pinning Microstructures on Polyethylene Surfaces with Robust Superhydrophobic Wetting State. <b>2020</b> , 17, 644-651	2
646	New Insights into the Role of the Surrounding Medium Temperature in the Under-Liquid Wetting of Solid Surfaces. <b>2020</b> , 36, 8301-8310	5
645	Facile approach to design a stable, damage resistant, slippery, and omniphobic surface.. <b>2020</b> , 10, 19157-19168 <sup>23</sup>	23
644	Laser Fabrication of Bioinspired Graphene Surfaces With Superwettability. <b>2020</b> , 8, 525	5
643	Superhydrophilic polyvinylidene fluoride membrane with hierarchical surface structures fabricated via nanoimprint and nanoparticle grafting. <b>2020</b> , 612, 118332	4
642	Nanoscale Profiling of 2D Surface Hydrophobicity Recognition of Environmental Media via AFM Measurements In Situ. <b>2020</b> , 54, 9315-9324	4
641	Underwater Superoleophobic Surface Based on Silica Hierarchical Cylinder Arrays with a Low Aspect Ratio. <b>2020</b> , 14, 9166-9175	13

640	Intensification of Droplet Dispersion by Using Multilayer Wire Mesh and Its Application in a Rotating Packed Bed. <b>2020</b> , 59, 3584-3592	7
639	Drag reduction of stable biomimetic superhydrophobic steel surface by acid etching under an oxygen-sufficient environment. <b>2020</b> , 7, 015092	4
638	Droplets Crawling on Peristome-Mimetic Surfaces. <b>2020</b> , 30, 1908066	6
637	Engineered superhydrophilicity and superhydrophobicity of graphene-nanoplatelet coatings via thermal treatment. <b>2020</b> , 364, 88-97	17
636	Shape Control of Lotus Leaf Induced by Surface Submillimeter Texture. <b>2020</b> , 7, 2000040	10
635	Super-robust and anti-corrosive NiCrN hydrophobic coating fabricated by multi-arc ion plating. <b>2020</b> , 511, 145653	8
634	Cation-controlled wetting properties of vermiculite membranes and its promise for fouling resistant oil-water separation. <b>2020</b> , 11, 1097	33
633	A superamphiphobic surface with a hydrogen peroxide-triggered switch to antithetic fluid repellence in a liquid-liquid-air three-phase fluid system. <b>2020</b> , 56, 4312-4315	2
632	Design, preparation and measurement of protein/CNTs hybrids: A concise review. <b>2020</b> , 46, 74-87	27
631	Superhydrophobic Methylated Silica Sol for Effective Oil-Water Separation. <b>2020</b> , 13,	6
630	Enabling highly effective underwater oxygen-consuming reaction at solid-liquid-air triphasic interface. <b>2020</b> , 512, 145747	2
629	3D printing of bioinspired textured surfaces with superamphiphobicity. <b>2020</b> , 12, 2924-2938	27
628	Large-area nanostructured surfaces with tunable zeta potentials. <b>2020</b> , 19, 100553	8
627	Increasing the Efficiency of Photocatalytic Reactions via Surface Microenvironment Engineering. <b>2020</b> , 142, 2738-2743	43
626	A superhydrophobic fluorinated PDMS composite as a wearable strain sensor with excellent mechanical robustness and liquid impalement resistance. <b>2020</b> , 8, 3509-3516	67
625	Seawater-enhanced tough agar/poly(N-isopropylacrylamide)/clay hydrogel for anti-adhesion and oil/water separation. <b>2020</b> , 16, 2199-2207	16
624	Turning Tissue Waste into High-Performance Microfiber Filters for Oily Wastewater Treatment. <b>2020</b> , 13,	2
623	Bioinspired Smart Liquid Directional Transport Control. <b>2020</b> , 36, 667-681	15

622	Design of nitrogen-doped graphitized 2D hierarchical porous carbons as efficient solid base catalysts for transesterification to biodiesel. <b>2020</b> , 22, 903-912	13
621	Bioinspired surfaces with wettability: biomolecule adhesion behaviors. <b>2020</b> , 8, 1502-1535	45
620	Highly Efficient and Water-Stable Lead Halide Perovskite Quantum Dots Using Superhydrophobic Aerogel Inorganic Matrix for White Light-Emitting Diodes. <b>2020</b> , 5, 1900941	32
619	Mussel-Inspired Dual-Superlyophobic Biomass Membranes for Selective Oil/Water Separation. <b>2020</b> , 7, 1901756	16
618	Flourishing Self-Healing Surface Materials: Recent Progresses and Challenges. <b>2020</b> , 7, 1901959	14
617	Carbon Nanolights in Piezopolymers are Self-Organizing Toward Color Tunable Luminous Hybrids for Kinetic Energy Harvesting. <b>2020</b> , 16, e1905703	7
616	Robust icephobic epoxy coating using maleic anhydride as a crosslinking agent. <b>2020</b> , 142, 105561	5
615	Quadri-directionally anisotropic droplets sliding surfaces fabricated by selective laser texturing of aluminum alloy plates. <b>2020</b> , 509, 145406	8
614	Designing Supermetaphobic Surfaces that Greatly Repel Liquid Metal by Femtosecond Laser Processing: Does the Surface Chemistry or Microstructure Play a Crucial Role?. <b>2020</b> , 7, 1901931	27
613	Robust Biomimetic Hierarchical Diamond Architecture with a Self-Cleaning, Antibacterial, and Antibiofouling Surface. <b>2020</b> , 12, 24432-24441	49
612	Recent development of super-wettable materials and their applications in oil-water separation. <b>2020</b> , 266, 121624	73
611	Anti-Icing Properties of Vertically Aligned TiO Nanopillars. <b>2020</b> , 36, 6041-6050	9
610	Solar-Heating -Structured Superoleophilic CuO@CuS/PDMS Nanowire Arrays on Copper Foam for Fast Remediation of Viscous Crude Oil Spill. <b>2020</b> , 12, 19476-19482	30
609	Symmetrical Wrinkles in Single-Component Elastomers with Fingerprint-Inspired Robust Isotropic Dry Adhesive Capabilities. <b>2020</b> , 12, 22365-22377	9
608	Efficient sequential harvesting of solar light by heterogeneous hollow shells with hierarchical pores. <b>2020</b> , 7, 1638-1646	36
607	Reusable and Recyclable Graphene Masks with Outstanding Superhydrophobic and Photothermal Performances. <b>2020</b> , 14, 6213-6221	179
606	Performance enhancement of graphene-coated micro heat pipes for light-emitting diode cooling. <b>2020</b> , 154, 119687	13
605	Novel polyethersulfone-cellulose composite thin film using sustainable empty fruit bunches from <i>Elaeis guineensis</i> for methylene blue removal. <b>2020</b> , 86, 106494	6



604	Rapid Buildup Arrays with Orthogonal Biochemistry Gradients via Light-Induced Thiol-Ene "Click" Chemistry for High-Throughput Screening of Peptide Combinations. <b>2020</b> , 12, 20243-20252	7
603	Springtail-Inspired Superamphiphobic Ordered Nanohoodoo Arrays with Quasi-Doubly Reentrant Structures. <b>2020</b> , 16, e2000779	18
602	Poly(N-isopropylacrylamide)-based smart hydrogels: Design, properties and applications. <b>2021</b> , 115, 100702	144
601	Volcano-like hierarchical superhydrophobic surface synthesized via facile one-step secondary anodic oxidation. <b>2021</b> , 540, 148337	9
600	Nonfluorinated, transparent, and spontaneous self-healing superhydrophobic coatings enabled by supramolecular polymers. <b>2021</b> , 404, 126504	22
599	Vein-supported porous membranes with enhanced superhydrophilicity and mechanical strength for oil-water separation. <b>2021</b> , 254, 117517	11
598	Slippery shape memory polymer arrays with switchable isotropy/anisotropy and its application as a reprogrammable platform for controllable droplet motion. <b>2021</b> , 403, 126356	16
597	Robust and non-fluorinated superhydrophobic meshes with controllable pore size for high-efficiency water-in-oil emulsion separation. <b>2021</b> , 56, 1699-1709	1
596	Origin of Underwater Oil-Repellence in Polyelectrolyte Brush Surfaces. <b>2021</b> , 8, 2001203	1
595	Energy Efficient Ultrahigh Flux Separation of Oily Pollutants from Water with Superhydrophilic Nanoscale Metal-Organic Framework Architectures. <b>2021</b> , 60, 5519-5526	23
594	Biomimetic nanoparticle-engineered superwetttable membranes for efficient oil/water separation. <b>2021</b> , 618, 118525	91
593	Energy Efficient Ultrahigh Flux Separation of Oily Pollutants from Water with Superhydrophilic Nanoscale Metal-Organic Framework Architectures. <b>2021</b> , 133, 5579-5586	3
592	Simulation-guided construction of solar thermal coating with enhanced light absorption capacity for effective icephobicity. <b>2021</b> , 408, 127316	7
591	Caffeic acid polymer rapidly modified sponge with excellent anti-oil-adhesion property and efficient separation of oil-in-water emulsions. <b>2021</b> , 404, 124197	17
590	Superwetting Shape Memory Microstructure: Smart Wetting Control and Practical Application. <b>2021</b> , 33, e2001718	38
589	Physicochemical and magnetic properties of functionalized lanthanide oxides with enhanced hydrophobicity. <b>2021</b> , 542, 148563	2
588	Contact line-based model for the Cassie-Wenzel transition of a sessile droplet on the hydrophobic micropillar-structured surfaces. <b>2021</b> , 542, 148611	12
587	Creation of Topological Ultraslippery Surfaces for Droplet Motion Control. <b>2021</b> , 15, 2589-2599	30

586	Porous and reactive polymeric interfaces: an emerging avenue for achieving durable and functional bio-inspired wettability. <b>2021</b> , 9, 824-856	8
585	Mass fabrication of hierarchical nanostructures based on plasmonic nanochemistry for ultra-sensitive optical sensing. <b>2021</b> , 329, 129220	4
584	Multifunctional superhydrophobic adsorbents by mixed-dimensional particles assembly for polymorphic and highly efficient oil-water separation. <b>2021</b> , 407, 124374	9
583	Photoactive Antiviral Face Mask with Self-Sterilization and Reusability. <b>2021</b> , 21, 337-343	70
582	Hierarchical structures hydrogel evaporator and superhydrophilic water collect device for efficient solar steam evaporation. <b>2021</b> , 14, 1135-1140	29
581	High reliable electromagnetic interference shielding carbon cloth with superamphiphobicity and environmental suitability. <b>2021</b> , 174, 110-122	8
580	Soapy water transformation of the condenser with self-cleaning ability and antibacterial activity. <b>2021</b> , 286, 125432	1
579	A robust and anticorrosion non-fluorinated superhydrophobic aluminium surface for microplastic removal. <b>2021</b> , 760, 144090	13
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577	A Critical Review of Membrane Wettability in Membrane Distillation from the Perspective of Interfacial Interactions. <b>2021</b> , 55, 1395-1418	31
576	Superwetting membranes: from controllable constructions to efficient separations. <b>2021</b> , 9, 1395-1417	16
575	Is superhydrophobicity equal to underwater superoleophilicity? Hydrophilic wetting defects on a superhydrophobic matrix with switchable superdewetting in both air and water. <b>2021</b> , 9, 1471-1479	7
574	Superhydrophobic Flexible Supercapacitors Formed by Integrating Hydrogel with Functional Carbon Nanomaterials. <b>2021</b> , 39, 1153-1158	47
573	3D-Printed Bioinspired Cassie-Baxter Wettability for Controllable Microdroplet Manipulation. <b>2021</b> , 13, 1979-1987	18
572	Underwater superpolymphobicity: Concept, achievement, and applications. <b>2021</b> , 2, 1011-1022	2
571	Quantitative characterization of surface wettability by friction force. <b>2021</b> , 536, 147788	4
570	An integrated strategy for achieving oil-in-water separation, removal, and anti-oil/dye/bacteria-fouling. <b>2021</b> , 413, 127493	37
569	Versatile snail-inspired superamphiphobic coatings with repeatable adhesion and recyclability. <b>2021</b> , 230, 116182	6

568	Pushing the Limit of Ordered Mesoporous Materials via 2D Self-Assembly for Energy Conversion and Storage. <b>2021</b> , 31, 2007496	19
567	Bioinspired superwetting surfaces for biosensing. <b>2021</b> , 2, 20200053	15
566	Bioinspired Surface with Superwettability for Controllable Liquid Dynamics. <b>2021</b> , 8, 2000824	12
565	Gas-Liquid-Solid Triphase Interfacial Chemical Reactions Associated with Gas Wettability. <b>2021</b> , 8, 2001636	6
564	Preparation of thermal conductive anticorrosive composite coatings via synergistic effect of carbon nanofillers and heat transfer oil. <b>2021</b> , 299, 899-908	1
563	Robust superhydrophobicity: mechanisms and strategies. <b>2021</b> , 50, 4031-4061	86
562	Superhydrophobic microspiked surface structures by ultrashort laser patterning. <b>2021</b> , 37, 1266-1276	9
561	Non-fluorinated Superhydrophobic Surfaces: A New Scenario for Sustainable Applications. <b>2021</b> , 133-152	
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559	Robust superhydrophobic wood surfaces with mechanical durability. <b>2021</b> , 608, 125624	21
558	Recent progress in the shape deformation of polymeric hydrogels from memory to actuation. <b>2021</b> , 12, 6472-6487	16
557	Kinetic study of electrochemically produced hydrogen bubbles on Pt electrodes with tailored geometries. <b>2021</b> , 14, 2154	2
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551	Bioinspired surfaces with special micro-structures and wettability for drag reduction: which surface design will be a better choice?. <b>2021</b> , 13, 3463-3482	15

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549	Droplet evaporation-induced analyte concentration toward sensitive biosensing. <b>2021</b> , 5, 5639-5652	7
548	A Biomimetic Transpiration Textile for Highly Efficient Personal Drying and Cooling. <b>2021</b> , 31, 2008705	28
547	A stomata-inspired superhydrophobic portable filter system.. <b>2021</b> , 11, 18783-18786	0
546	Superamphiphobic coatings with antifouling and nonflammable properties using functionalized hydroxyapatite. <b>2021</b> , 45, 6238-6246	1
545	Synchronous oil/water separation and wastewater treatment on a copper-oxide-coated mesh.. <b>2021</b> , 11, 17740-17745	3
544	Electroconductive nanofibrous membranes with nanosheet-based microsphere-threaded heterostructures enabling oily wastewater remediation. <b>2021</b> , 9, 15310-15320	10
543	Bioinspired Cavity Regulation on Superhydrophobic Spheres for Drag Reduction in an Aqueous Medium. <b>2021</b> , 13, 4796-4803	10
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541	Initial-position-driven opposite directional transport of a water droplet on a wedge-shaped groove. <b>2021</b> , 13, 15963-15972	2
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539	Facile Preparation of Superhydrophobic Membrane Inspired by Chinese Traditional Hand-Stretched Noodles. <b>2021</b> , 11, 228	0
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537	Soft Actuators of Liquid Crystal Polymers Fueled by Light from Ultraviolet to Near Infrared. <b>2021</b> , 9, 2001743	16
536	Functional and versatile superhydrophobic coatings via stoichiometric silanization. <b>2021</b> , 12, 982	33
535	An environmentally friendly method for fabrication of superhydrophobic pipe with loss-free liquid transportation properties. <b>2021</b> , 407, 126777	1
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533	Wettability of a Polymethylmethacrylate Surface by Extended Anionic Surfactants: Effect of Branched Chains. <b>2021</b> , 26,	2

532	Superwettability-based separation: From oil/water separation to polymer/water separation and bubble/water separation. <b>2021</b> , 2, 1580-1588	3
531	Sphagnum Inspired g-C N Nano/Microspheres with Smaller Bandgap in Heterojunction Membranes for Sunlight-Driven Water Purification. <b>2021</b> , 17, e2007122	16
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529	PEDOT and PEDOT:PSS conducting polymeric hydrogels: A report on their emerging applications. <b>2021</b> , 273, 116709	12
528	Superhydrophobic Self-Cleaning Hierarchical Micro-/Nanocomposite Coating with High Corrosion Resistance and Durability. <b>2021</b> , 9, 4111-4121	26
527	Sustained graphene oxide coated superhydrophilicity and superwetting using humidity control. <b>2021</b> , 613, 126097	2
526	Superwetting behaviors at the interface between electrode and electrolyte. <b>2021</b> , 2, 100374	6
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524	Bioinspired and biomimetic membranes for water purification and chemical separation: A review. <b>2021</b> , 15, 1	9
523	Microchannel and Nanofiber Array Morphology Enhanced Rapid Superspreading on Animals' Corneas. <b>2021</b> , 33, e2007152	8
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520	Thermal Oxidation Fabricated Copper Oxide Nanotip Arrays with Tunable Wettability and Robust Stability: Implications for Microfluidic Devices and Oil/Water Separation. <b>2021</b> , 4, 4713-4720	0
519	A stretchable superhydrophobic coating with electrothermal ability for anti-icing application. <b>2021</b> , 8, 045009	1
518	A Stable NanoPAA-ZnO/ZnCl Composite with Variable 3D Structured Morphology and Sustained Superhydrophilicity. <b>2021</b> , 37, 5457-5463	0
517	Novel superhydrophobic carbon fiber/epoxy composites with anti-icing properties. <b>2021</b> , 36, 1695-1704	2
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515	Interfacial characteristics in membrane filtration for oil-in-water treatment processes. <b>2021</b> , 623, 119092	2

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508	Liquid-Infused Microgrooved Slippery Surface Ablated by One-Step Laser Irradiation for Underwater Bubble Directional Manipulation and Anisotropic Spreading. <b>2021</b> , 12,	1
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506	Slippery damper of an overlay for arresting and manipulating droplets on nonwetting surfaces. <b>2021</b> , 12, 3154	13
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504	Exploiting Supramolecular Dynamics in Metal-Phenolic Networks to Generate Metal-Oxide and Metal-Carbon Networks. <b>2021</b> , 133, 14707-14715	4
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502	Smart Bionic Surfaces with Switchable Wettability and Applications. <b>2021</b> , 18, 473-500	2
501	Fabrication of Graphene Superhydrophobic Coating with Excellent Superhydrophobic/Electrothermal Synergistically Anti-icing Function. <b>2021</b> ,	
500	Rapid formation of metal-phenolic networks on polymer membranes for oil/water separation and dye adsorption. <b>2021</b> ,	2
499	Hydrophobic fluorinated colloidal photonic crystals for heterogeneous aggregated cluster encoding and energy-saving applications. <b>2021</b> , 411, 128623	1
498	Optically Guided Pyroelectric Manipulation of Water Droplet on a Superhydrophobic Surface. <b>2021</b> , 13, 23181-23190	10
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495	Stretchable Anti-Fogging Tapes for Diverse Transparent Materials. <b>2021</b> , 31, 2103551	4
494	Fluorinated Metal-Organic Coatings with Selective Wettability. <b>2021</b> , 143, 9972-9981	7
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490	Multiprocessible and Durable Superhydrophobic Coating Suspension Enabling Printed Patterning, Internal Tubular Coating, and Planar Surface Coating. <b>2021</b> , 60, 8743-8752	2
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488	Micropatterned Cell-Repellent Interface Using Femtosecond Laser Direct Writing to Engineer Controlled Cell Organization. <b>2021</b> , 6, 2100178	2
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486	New insight into island-like structure driven from hydroxyl groups for high-performance superhydrophobic surfaces. <b>2021</b> , 416, 129078	3
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483	Molecular Insights on the Wetting Behavior of a Surface Corrugated with Nanoscale Domed Pillars. <b>2021</b> , 37, 9336-9345	1
482	Innovative fouling-resistant materials for industrial heat exchangers: a review. <b>2021</b> ,	0
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480	Harvesting water surface energy: self-jumping nanostructured hydrophobic metals. <b>2021</b> , 24, 102746	1
479	Recent Progress of Bioinspired Scalephobic Surfaces with Specific Barrier Layers. <b>2021</b> , 37, 8639-8657	5

478	Mechanomaterials: A Rational Deployment of Forces and Geometries in Programming Functional Materials. <b>2021</b> , 33, e2007977	10
477	Future antiviral polymers by plasma processing. <b>2021</b> , 118, 101410	9
476	Co-deposition of pyrogallol/polyethyleneimine on polymer membranes for highly efficient treatment of oil-in-water emulsion. <b>2021</b> , 267, 118660	7
475	Icing delay of sessile water droplets on superhydrophobic titanium alloy surfaces. <b>2021</b> , 621, 126587	7
474	Facile and environmentally-friendly fabrication of underwater superaerophobic and superaerophilic metallic surfaces through laser ablation and heat treatment. <b>2021</b> , 621, 126547	4
473	Rational engineering of superaerophobic CoMoS <sub>x</sub> electrocatalysts for overall water splitting. <b>2021</b> , 623, 126734	3
472	Micropatterns Fabricated by Photodimerization-Induced Diffusion. <b>2021</b> , 33, e2007699	6
471	Bio-inspired self-replenishing and self-reporting slippery surfaces from colloidal co-assembly templates. <b>2021</b> , 426, 131641	0
470	Janus hybrid sustainable all-cellulose nanofiber sponge for oil-water separation. <b>2021</b> , 185, 997-1004	5
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267	Contactless Discharge-Driven Droplet Motion on a Nonslippery Polymer Surface.. <b>2021</b> ,	2
266	Controlling Directional Liquid Transport on Dual Cylindrical Fibers with Oriented Open-Wedges. <b>2022</b> , 9, 2101749	2
265	Material Strategies for Ice Accretion Prevention and Easy Removal. <b>2022</b> , 4, 246-262	4
264	Fluorescent Staining of Silicone Micro- and Nanopatterns for Their Optical Imaging.. <b>2021</b> ,	0
263	Femtosecond laser micro/nano fabrication for bioinspired superhydrophobic or underwater superoleophobic surfaces. <b>2021</b> , 28, 3882-3906	5

262	Wetting ridge assisted programmed magnetic actuation of droplets on ferrofluid-infused surface. <b>2021</b> , 12, 7136	12
261	Bioinspired Materials for Energy Storage.. <b>2021</b> , e2101076	4
260	Photochemical effect driven fluid behavior control in microscale pores and channels. <b>2021</b> ,	2
259	Bioinspired superwetable electrodes towards electrochemical biosensing.	1
258	Multiphysics-Multiphase Modeling of Supercooled Droplets Impinging Superhydrophobic and Icephobic Surfaces. <b>2022</b> , 104101	0
257	Interfacial wettability and mass transfer characterizations for gas-liquid-solid triple-phase catalysis. 20210046	2
256	Special Wettability Materials Inspired by Multiorganisms for Fog Collection. 2102484	1
255	From Dynamic Superwettability to Ionic/Molecular Superfluidity.. <b>2022</b> ,	3
254	Ultrasensitive and Recyclable Multifunctional Superhydrophobic Sensor Membrane for Underwater Applications, Weather Monitoring, and Wastewater Treatment.. <b>2022</b> ,	1
253	Wetting Dynamics of Nanoparticle Dispersions: From Fully Spreading to Non-sticking and the Deposition of Nanoparticle-Laden Surface Droplets.. <b>2022</b> ,	0
252	Utilizing microcavity shapes for drag reduction in Microchannels. <b>2022</b> ,	
251	Unidirectional transport of both wettable and nonwettable liquids on an asymmetrically concave structured surface. <b>2022</b> ,	
250	Sustainable and Versatile Superhydrophobic Cellulose Nanocrystals. <b>2022</b> , 10, 5939-5948	2
249	Superlyophilic Interfaces Assisted Thermal Management.	
248	Surface Wettability for Skin-Interfaced Sensors and Devices. 2200260	8
247	Three-Phases Interface Induced Local Alkalinity Generation Enables Electrocatalytic Glucose Oxidation in Neutral Electrolyte.. <b>2022</b> , 10, 909187	
246	Effect of the Composition of Copolymers Based on Glycidyl Methacrylate and Fluoroalkyl Methacrylates on the Free Energy and Lyophilic Properties of the Modified Surface. <b>2022</b> , 14, 1960	
245	Biodegradable, superhydrophobic walnut wood membrane for the separation of oil/water mixtures. 1	1

244	Overflow Control for Sustainable Development by Superwetting Surface with Biomimetic Structure.. <b>2022</b> ,	3
243	Mucilage-inspired robust antifouling coatings under liquid mediums. <b>2022</b> , 136949	
242	Simultaneous Bottom-Up Double-layer Synergistic Optimization by Multifunctional Fused-Ring Acceptor with Electron-Deficient Core for Stable Planar Perovskite Solar Cells with Approaching 24% Efficiency. <b>2022</b> , 107368	4
241	Ultra-selective microfiltration SiO <sub>2</sub> /carbon membranes for emulsified oil-water separation. <b>2022</b> , 10, 107848	0
240	Self-powered aligned porous superhydrophobic sponge for selective and efficient absorption of highly viscous spilled oil.. <b>2022</b> , 435, 129018	2
239	Droplet splash and spread on superhydrophobic lotus leaves: Direct regulation by tuning the chain length of surfactant. <b>2022</b> , 648, 129178	0
238	Adhesion behaviors of water droplets on bioinspired superhydrophobic surfaces.. <b>2022</b> ,	1
237	Bioinspired Superspreading Surface: From Essential Mechanism to Application.. <b>2022</b> ,	4
236	Bioinspired Metalation of the Metal-Organic Framework MIL-125-NH <sub>2</sub> for NADH Regeneration and Gas-Liquid-Solid Three-Phase Enzymatic CO <sub>2</sub> Reduction.. <b>2022</b> ,	4
235	Designing energy-efficient separation membranes: Knowledge from nature for a sustainable future. <b>2022</b> , 2, 100031	2
234	Nature-inspired materials and designs for flexible lithium-ion batteries.	5
233	Imparting Cellulose Acetate Films with Hydrophobicity, High Transparency, and Self-Cleaning Function by Constructing a Slippery Liquid-Infused Porous Surface.	1
232	Bioinspired Metalation of the Metal-Organic Framework MIL-125-NH <sub>2</sub> for NADH Regeneration and Gas-Liquid-Solid Three-Phase Enzymatic CO <sub>2</sub> Reduction.	
231	High-strength, flexible and superhydrophobic graphene/aramid nanofiber nanocomposite films for electromagnetic interference shielding application. <b>2022</b> ,	0
230	Liquid-pressure-guided superhydrophobic surfaces with adaptive adhesion and stability. 2202167	1
229	Advances in the development of superhydrophobic and icephobic surfaces.	0
228	On the nature of wetting transition on high-aspect-ratio pNIPAAm micropillar structures. <b>2022</b> , 31, 102062	0
227	Recent Progress in Functionalized Coatings for Corrosion Protection of Magnesium AlloysA Review. <b>2022</b> , 15, 3912	1

226	Silk Fibroin Nacre.	1
225	Bioinspired Multi-Transformability of Superhydrophobic Nano-Magnetite Swarm for Adaptive Object Transportation. 2204681	0
224	Bioinspired Robust Water Repellency in High Humidity by Micro-meter-Scaled Conical Fibers: Toward a Long-Time Underwater Aerobic Reaction.	5
223	Spatiotemporally Programmable Surfaces via Viscoelastic Shell Snapping. 2100270	2
222	Droplet Spreading Characteristics on Ultra-Slippery Solid Hydrophilic Surfaces with Ultra-Low Contact Angle Hysteresis. <b>2022</b> , 12, 755	1
221	Gelatin-tannic acid coating for high flux oil-water separation. <b>2022</b> , 107992	2
220	A confined-etching strategy for intrinsic anisotropic surface wetting patterning. <b>2022</b> , 13,	2
219	Fabrication of All-Polymeric Hierarchical Colloidal Particles with Tunable Wettability by In Situ Capping Raspberry-Like Precursors.	
218	Facile Fabrication of Superhydrophobic Graphene/Polystyrene Foams for Efficient and Continuous Separation of Immiscible and Emulsified Oil/Water Mixtures. <b>2022</b> , 14, 2289	0
217	3D-printed bionic superhydrophobic surface with petal-like microstructures for droplet manipulation, oil-water separation, and drag reduction. <b>2022</b> , 219, 110765	0
216	Synthesis of oxygen/nitrogen/sulfur codoped hierarchical porous carbon from enzymatically hydrolyzed lignin for high-performance supercapacitors. <b>2022</b> , 52, 104992	2
215	Role of chemistry in bio-inspired liquid wettability.	6
214	Facile Wettability-Patterned Flexible Surface for Multifunctional Microdroplet Array Manipulation. <b>2022</b> ,	
213	An Ultra-Strong, Water Stable and Antimicrobial Chitosan Film with Interdigitated Bouligand Structure. 2200033	0
212	Constructing Unique Mesoporous Carbon Superstructures via Monomicelle Interface Confined Assembly.	7
211	Droplet Impact on Asymmetric Hydrophobic Microstructures.	4
210	Microscale Confinement and Wetting Contrast Enable Enhanced and Tunable Condensation.	1
209	Sustainable anti-frosting surface for efficient thermal transport. <b>2022</b> , 100937	2

208	Skin-inspired design integrates mechano-chemical-thermal robustness into superhydrophobic coatings. 2203792	11
207	Facile in Situ Growth of Cu(OH) <sub>2</sub> on Cotton Fabric for Oil/Water Separation. 1-12	
206	Three-Dimensional Open Water Microchannel Transpiration Mimetics.	0
205	Multifunctional wearable thermal management textile fabricated by one-step sputtering. <b>2022</b> , 45, 101526	0
204	Hydrophobic tungsten oxide-based mesh modified with hexadecanoic branches for efficient oil/water separation. <b>2022</b> , 49, 102931	1
203	Bio-inspired Superwetable Surface for the Detection of Cancer Biomarker: A Mini Review. <b>2022</b> , 21, 153303382211106	
202	Low-Tortuous MXene (TiNbC) Accordion Arrays Enabled Fast Ion Diffusion and Charge Transfer in Dendrite-Free Lithium Metal Anodes. 2201189	0
201	Quantifying Wetting Dynamics with Triboelectrification. 2200822	2
200	Binary Cooperative Complementary Membranes: A Perspective. 2200592	
199	?????????????????. <b>2022</b> ,	
198	Large-area, daily, on-site-applicable antiadhesion coatings formed via ambient self-crosslinking. <b>2022</b> , 138156	0
197	Biomimetic Asymmetric Composite Dressing by Electrospinning with Aligned Nanofibrous and Micropatterned Structures for Severe Burn Wound Healing.	1
196	Light-induced charged slippery surfaces. <b>2022</b> , 8,	13
195	Superoleophobic/Superoleophilic Janus Synergy Apparatus for Underwater Oil Capture and Collection. 2200970	
194	Simulating wetting phenomenon on curved surfaces based on the weighted-orthogonal multiple-relaxation-time pseudopotential lattice Boltzmann model.	1
193	Reactive Superhydrophobic Platform for Living Photolithography. 2203619	1
192	Facile manufacturing process of durable superamphiphobic and flame-retardant coatings based on layer-by-layer assembly. <b>2022</b> , 31, 102109	
191	Scalable and cost-effective fabrication of self-floating three-dimensional interconnected polyethylene/multiwall carbon nanotubes composite foam for high evaporation performance. <b>2022</b> , 243, 110111	

190	Sodium dodecyl sulfate/C-UIO-66 regulation of nanofiltration membrane with pleated and thin polyamide layer structure. <b>2022</b> , 538, 115927	0
189	Nanostructured copper hydroxide-based interfaces for liquid/liquid and liquid/gas separations. <b>2022</b> , 298, 121573	1
188	Programmable droplet transport on multi-bioinspired slippery surface with tridirectionally anisotropic wettability. <b>2022</b> , 449, 137831	2
187	Design of a Simple Nanoscale Hydrophilic-Hydrophobic Heterojunction System with Under-Liquid Dual Superlyophobicity for Application in Controllable Droplet-based Microreactor System and Oil/Water Emulsions Separation. <b>2022</b> , 121817	1
186	Liquid-Repellent Surfaces.	3
185	A Biomimetic Janus Delignified Wood Membrane with Asymmetric Wettability Prepared by Thiol-Ol Chemistry for Unidirectional Water Transport and Selective Oil/Water Separation. <b>2022</b> , 129793	2
184	An integrated mesh with an anisotropic surface for unidirectional liquid manipulation. <b>2022</b> , 58, 9544-9547	
183	Gradient monolayered porous membrane for liquid manipulation: from fabrication to application. <b>2022</b> , 4, 3495-3503	
182	Bio-inspired spontaneous splitting of underwater bubbles along a superhydrophobic open pathway without perturbation. <b>2022</b> , 1, 65-75	1
181	Bio-Inspired Imprinting Materials for Biomedical Applications. 2202038	0
180	A Bilayer Membrane Doped with Struvite Nanowires for Guided Bone Regeneration. 2201679	1
179	Highly efficient liquid droplet manipulation via human-motion-induced direct charge injection. <b>2022</b> ,	0
178	Topographical Design and Thermal-Induced Organization of Interfacial Water Structure to Regulate the Wetting State of Surfaces.	0
177	Nacre-inspired underwater superoleophobic films with high transparency and mechanical robustness.	1
176	Superhydrophilic/air-superoleophobic diatomite porous ceramics for highly-efficient separation of oil-in-water emulsion. <b>2022</b> , 108483	0
175	Grass-to-stone surface inspired long-term inhibiting scaling.	0
174	Facile Fabrication of Superhydrophobic Cellulose/Fe <sub>2</sub> O <sub>3</sub> -STA Film with Nanoflower Morphologies for Heavy Oil Removal.	1
173	Durable Superoleophobic Janus Fabric with Oil Repellence and Anisotropic Water-Transport Integration toward Energetic-Efficient Oil/Water Separation. <b>2022</b> , 14, 37170-37181	2



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171	Anisotropic Wettability of Bioinspired Surface Characterized by Friction Force. <b>2022</b> , 7, 108	
170	Highly durable superhydrophobic surfaces based on a protective frame and crosslinked PDMS-candle soot coatings.	
169	3D printing of nanowrinkled architectures via laser direct assembly. <b>2022</b> , 8,	1
168	Superrepellent Doubly Reentrant Geometry Promotes Antibiofouling and Prevention of Coronavirus Contamination. 2200387	0
167	Thermal Transfer-Enabled Rapid Printing of Liquid Metal Circuits on Multiple Substrates. <b>2022</b> , 14, 37028-37038	
166	Bioinspired zwitterionic microgel-based coating: Controllable microstructure, high stability, and anticoagulant properties. <b>2022</b> ,	0
165	Superhydrophobic polyaniline/TiO <sub>2</sub> composite coating with enhanced anticorrosion function. <b>2022</b> , 105381	1
164	Durable radiative cooling against environmental aging. <b>2022</b> , 13,	3
163	Biomimetic superhydrophobic metal/nonmetal surface manufactured by etching methods: A mini review. 10,	0
162	Recent advances in shape memory superhydrophobic surfaces: Concepts, mechanism, classification, applications and challenges. <b>2022</b> , 256, 125193	0
161	3D superhydrophobic/superoleophilic sponge with hierarchical porous structure and robust stability for high-efficiency and continuous separation of oily wastewater. <b>2022</b> , 299, 121820	0
160	Fabrication of sugarcane bagasse ester-based porous nanofiber membrane by electrospinning for efficient oil-water separation. <b>2022</b> , 187, 115480	1
159	Room-temperature self-healing supramolecular polyurethanes based on the synergistic strengthening of biomimetic hierarchical hydrogen-bonding interactions and coordination bonds. <b>2023</b> , 451, 138673	3
158	Facile fabrication of transparent slippery glass coated with nanoscale silicone brushes having self-healing and liquid-like behavior. <b>2022</b> , 20, 4026-4037	0
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156	Surface behaviors of droplet manipulation in microfluidics devices. <b>2022</b> , 308, 102770	2
155	Efficient fabrication of ternary coupling biomimetic superhydrophobic surfaces with superior performance of anti-wetting and self-cleaning by a simple two-step method. <b>2022</b> , 223, 111145	0

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- 151 Bioinspired Nanomaterials and Nanostructures from Nanobiology to Nanomedicine. **2022**, 1-31 0
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- 147 Superwetable Surface-Dependent efficiently electrocatalytic water splitting based on their excellent liquid adsorption and gas desorption. **2023**, 452, 139513 1
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- 145 Quality optimization of Bi2212 films prepared by aqueous solvent sol-gel method with nonionic surfactants. **2022**, 0
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- 143 Continuous air purification by aqueous interface filtration and absorption. **2022**, 610, 74-80 4
- 142 DNA-Encoded Gold-Gold Wettability for Programmable Plasmonic Engineering. 0
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- 140 Bioinspired Functional Structures for Lubricant Control at Surfaces and Interfaces: Wedged-Groove with Oriented Capillary Patterns. **2022**, 14, 42635-42644 1
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- 138 Biotemplate Replication of Novel Mangifera indica Leaf (MIL) for Atmospheric Water Harvesting: Intrinsic Surface Wettability and Collection Efficiency. **2022**, 7, 147 0
- 137 Confined Shape-Morphing and Dual Hydration Modes for Efficient Solar Steam Generation. 3476-3483 5

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135	Superhydrophobic Coating Deposited on Foamed Concrete with Super-robust Mechanical and Self-repairing Properties.	0
134	A review on control of droplet motion based on wettability modulation: principles, design strategies, recent progress, and applications. <b>2022</b> , 23, 473-497	0
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131	DNA-Encoded Gold-Gold Wettability for Programmable Plasmonic Engineering.	0
130	Prediction of the Lotus Effect on Solid Surfaces by Machine Learning. 2203264	0
129	A Breathable Knitted Fabric-Based Smart System with Enhanced Superhydrophobicity for Drowning Alarming.	2
128	3D-Printed Parahydrophobic Functional Textile with a Hierarchical Nanomicroscale Structure.	0
127	Utilizing Cell Culture Assisted Anodization to Fabricate Aluminium Oxide with a Gradient Microstep and Nanopore Structure.	0
126	Special Superwetting Materials from Bioinspired to Intelligent Surface for On-Demand Oil/Water Separation: A Comprehensive Review. 2204624	3
125	Dynamic characteristics of ellipsoidal Janus drop impact on a solid surface. <b>2022</b> , 34, 102104	0
124	Preparation of super-hydrophobic surface with micro-nano layered structure on 316 stainless steel by one-step wet chemical method. <b>2022</b> , 130291	0
123	Laminated Transparent Woods with Adjustable Optical and Enhanced Mechanical Properties. 2200704	0
122	Recent Progress in the Design of Advanced MXene/Metal Oxides-Hybrid Materials for Energy Storage Devices. <b>2022</b> ,	1
121	Metal-Organic Frameworks for Solar-Driven Atmosphere Water Harvesting. <b>2022</b> , 139656	0
120	Activating Nitrogen-doped Graphene Oxygen Reduction Electrocatalysts in Acidic Electrolytes using Hydrophobic Cavities and Proton-conductive Particles.	1
119	Droplets in soft materials. <b>2022</b> , 1, 110-138	0

118	Mechanically Robust and Flame-Retardant Superhydrophobic Textiles with Anti-Biofouling Performance. <b>2022</b> , 38, 12961-12967	0
117	Machine Learning to Predict the Interfacial Behavior of Pesticide Droplets on Hydrophobic Surfaces for Minimizing Environmental Risk. <b>2022</b> , 10, 14034-14044	0
116	Green Fabrication of Anti-friction Slippery Liquid-Infused Metallic Surface with Sub-millimeter-Scale Asymmetric Bump Arrays and Its Application.	0
115	Ultrastable Super-Hydrophobic Surface with an Ordered Scaly Structure for Decompression and Guiding Liquid Manipulation. <b>2022</b> , 16, 16843-16852	2
114	Investigation on the Anisotropic Wetting Properties of Water Droplets on Bio-Inspired Groove Structures Fabricated by 3D Printing and Surface Modifications. <b>2022</b> , 7, 174	0
113	Advance in Structural Classification and Stability Study of Superamphiphobic Surfaces.	0
112	Nanoengineered Textiles for Outdoor Personal Cooling and Drying. 2209029	1
111	Photodimerization induced hierarchical and asymmetric iontronic micropatterns. <b>2022</b> , 13,	0
110	Natural Hollow Fiber-Derived Carbon Microtube with Broadband Microwave Attenuation Capacity. <b>2022</b> , 14, 4501	0
109	Globefish-Inspired Balloon Catheter with Intelligent Microneedle Coating for Endovascular Drug Delivery. 2204497	1
108	Activating Nitrogen-doped Graphene Oxygen Reduction Electrocatalysts in Acidic Electrolytes using Hydrophobic Cavities and Proton-conductive Particles.	0
107	Superhydrophobic and Self-Cleaning Aluminum via a Rapid and Controlled Process.	0
106	Superhydrophobic double layered MgAl-LDH/epoxy composite coatings for enhanced anticorrosion performance of magnesium alloys. <b>2023</b> , 174, 107300	2
105	ZnO quantum dots outperform nanoscale and bulk particles for enhancing tomato ( <i>Solanum lycopersicum</i> ) growth and nutritional values. <b>2023</b> , 857, 159330	0
104	A bioinspired strategy to construct dual-superlyophobic PPMB membrane for switchable oil/water separation. <b>2023</b> , 665, 121128	0
103	A multifunctional heterogeneous superwetttable coating for water collection, oil/water separation and oil absorption. <b>2023</b> , 443, 130166	0
102	Removal of dyes, oils, alcohols, heavy metals and microplastics from water with superhydrophobic materials. <b>2023</b> , 311, 137148	1
101	Carbon quantum dots-driven surface morphology transformation towards superhydrophobic poly(lactic acid) film. <b>2023</b> , 656, 130547	0

100	Hierarchical composite structure to simultaneously realize superior superhydrophobicity and anti-reflection. <b>2023</b> , 611, 155652	0
99	Wettability of Probiotic Powders: Fundamentals, Methodologies, and Applications.	0
98	CuO nanomesh hierarchical structure for directional water droplet transport and efficient fog collection. <b>2022</b> , 130512	0
97	Bioinspired electrospun fibrous materials for directional water transport. 1-15	0
96	Electrostatic-modulated interfacial crosslinking and waterborne emulsion coating toward waterproof, breathable, and antifouling fibrous membranes. <b>2022</b> , 140439	1
95	Highly reliable transparent superhydrophobic composite by organosilane/denture base resin-modified alkylated silica nanoparticles against contaminants. <b>2022</b> , 35, 102460	0
94	An Ultrastable Rechargeable Zinc-Air Battery Using a Janus Superwetting Air Electrode.	0
93	Effect of temperature and surfactants on evaporation and contact line dynamics of sessile drops. <b>2022</b> , e11716	1
92	Study on the process intensification of superaerophobic materials to improve CO <sub>2</sub> mass transfer efficiency. <b>2022</b> , 109213	0
91	Lignin-derived electrode materials for supercapacitor applications: progress and perspectives.	1
90	Interfacial design for detection of a few molecules.	0
89	Structurally controllable anisotropic polymer brushes and their application in antifouling nanocoatings. <b>2023</b> , 184, 111795	0
88	Rational fabrication of high-durability superhydrophobic coatings based on the excellent compatibility between nanoparticles and polymers. <b>2023</b> , 175, 107358	0
87	Fecalphobic oil-coated femtosecond-laser-processed PTFE surface. <b>2023</b> , 659, 130742	0
86	Facile preparation of superhydrophobic melamine foam via one-pot emulsion polymerization for efficient oil/water separation. <b>2023</b> , 658, 130710	0
85	Nitrogenous MOFs and their composites as high-performance electrode material for supercapacitors: Recent advances and perspectives. <b>2023</b> , 478, 214967	0
84	Thermal characteristics of stabilization effects induced by nanostructures in plasma heat source interacting with ice blocks. <b>2023</b> , 202, 123695	0
83	Preparation of Wettability Gradient Surfaces on a Copper Slide via Solid Liquid Interface Oxidation and COMSOL-Based Simulation for Directional Droplet Movement. <b>2022</b> , 14, 1213-1219	0

82	Drop impact dynamics on solid surfaces. <b>2022</b> , 121, 210501	2
81	A review of superwetting membranes and nanofibers for efficient oil/water separation.	0
80	Recyclable Biomass-Derived Polyethylene-Like Materials as Functional Coatings for Commercial Fabrics: Toward Upcycling of Waste Textiles. <b>2022</b> , 10, 17187-17197	0
79	Effect of Nano-TiO <sub>2</sub> Composite on the Fertilization and Fruit-Setting of Litchi. <b>2022</b> , 12, 4287	0
78	Transparent sunlight-activated antifogging metamaterials.	0
77	Magnetocontrollable droplet mobility on liquid crystal-infused porous surfaces.	0
76	Hybrid Topography of Lotus Leaf under Hydrostatic/Hydrodynamic Pressure. 2202044	0
75	Glucose metabolism-inspired catalytic patches for NIR-II phototherapy of diabetic wound infection. <b>2022</b> ,	1
74	Engineered Switchable-Wettability Surfaces for Multi-Path Directional Transportation of Droplets and Subaqueous Bubbles. 2208645	0
73	Self-Healing Superwetting Surfaces, Their Fabrications, and Properties.	0
72	Spreading Dynamics of Microdroplets on Nanostructured Surfaces. <b>2022</b> ,	0
71	Sandstone Protection by Using Nanocomposite Coating of Silica. <b>2022</b> , 156193	0
70	Slippery Shape Memory Tube for Smart Droplet Transportation.	1
69	Preparation of a Janus-polyvinylidene fluoride micro/nano fiber membrane by centrifugal spinning and investigation into its unidirectional water transfer and oil/water separation functions. 004051752211482	0
68	A Review of Smart Superwetting Surfaces Based on Shape-Memory Micro/Nanostructures. 2206463	0
67	A critical review on robust self-cleaning properties of lotus leaf.	0
66	Superwetable High-Voltage LiCoO <sub>2</sub> for Low-Temperature Lithium Ion Batteries. 881-888	0
65	Ultra-Fast Wetting of the Fresh Popcorn. 2213036	0

64	Superhydrophobicity-improved Ethanol-Water Separation.	0
63	3D Microprinting of Super-Repellent Microstructures: Recent Developments, Challenges, and Opportunities. 2213916	0
62	Bioinspired Nanomaterials and Nanostructures from Nanobiology to Nanomedicine. <b>2023</b> , 19-48	0
61	Engineering Mechanical Strong Biomaterials Inspired by Structural Building Blocks in Nature.	0
60	Omniphobic liquid-like surfaces.	1
59	Design and fabrication of functional hydrogels with specific surface wettability. <b>2023</b> , 52, 100697	1
58	Preservable superhydrophilicity of thermally cured graphene-nanoplatelets/epoxy nanocomposite coatings. <b>2023</b> , 252, 110500	0
57	ZIF-8 based dual scale superhydrophobic membrane for membrane distillation. <b>2023</b> , 550, 116373	0
56	Design of Nanostructured Surfaces for Efficient Condensation by Controlling Condensation Modes. <b>2023</b> , 14, 50	0
55	Flexible superhydrophobic film with micro-nano-Ag particles fabricated by spray replacement. <b>2023</b> , 25,	0
54	Electrically driven heartbeat effect of gallium-based liquid metal on a ratchet. 10,	0
53	Large-Scale, Abrasion-Resistant, and Solvent-Free Superhydrophobic Objects Fabricated by a Selective Laser Sintering 3D Printing Strategy. 2207183	0
52	Bubble evolution and transport in PEM water electrolysis: Mechanism, impact, and management. <b>2023</b> , 96, 101075	1
51	Self-propelled continuous transport of nanoparticles on a wedge-shaped groove track. <b>2023</b> , 15, 4910-4916	0
50	Liquid Super-Spreading Boosted High-Performance Jet-Flow Boiling for Enhancement of Phase-Change Cooling.	0
49	Substrate-independent, robust and functional PVDF-g-IL coating based on tunable surface free energy. <b>2023</b> , 618, 156613	0
48	Scalable fabrication of superhydrophobic armor microstructure arrays with enhanced tribocorrosion performance via maskless electrochemical machining. <b>2023</b> , 461, 129427	0
47	Superhydrophobic PVDF membrane formed by crystallization process for direct contact membrane distillation. <b>2023</b> , 26, 106464	0

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- 45 Fabrication of superhydrophobic surfaces for applications in total internal reflection effects. **2023**, 35, 105928 ○
- 44 Highly robust separation for aqueous oils enabled by balsa wood-based cellulose aerogel with intrinsic superior hydrophilicity. **2023**, 315, 123688 ○
- 43 Achieving High Efficacy and Low Safety Risk by Balancing Pesticide Deposition on Leaves and Fruits of Chinese Wolfberry (*Lycium barbarum* L.). ○
- 42 Constructing a robust ZIF-7 based superhydrophobic coating with the excellent performance in self-cleaning, anti-icing, anti-biofouling and anti-corrosion. **2023**, 622, 156907 ○
- 41 A versatile platform of corn stalk-based membranes for high performance of oil/water separation. **2023**, 210, 111862 ○
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