

Superoleophobic surfaces

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Bioinspired Design of Underwater Superaerophobic and Superaerophilic Surfaces by Femtosecond Laser Ablation for Anti- or Capturing Bubbles. ACS Applied Materials & Interfaces, 2017, 9, 39863-39871.	4.0	162
2	Laser-structured Janus wire mesh for efficient oil-water separation. Nanoscale, 2017, 9, 17933-17938.	2.8	89
3	A widely applicable method to fabricate underwater superoleophobic surfaces with low oil-adhesion on different metals by a femtosecond laser. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	13
4	Special wettable nanostructured copper mesh achieved by a facile hot water treatment process. Materials Research Express, 2017, 4, 095021.	0.8	6
5	Fabrication of Polydimethylsiloxane films with special surface wettability by 3D printing. Composites Part B: Engineering, 2017, 129, 58-65.	5.9	55
6	Coalescence-Induced Self-Propulsion of Droplets on Superomniphobic Surfaces. ACS Applied Materials & Interfaces, 2017, 9, 29328-29336.	4.0	44
7	<i>Nepenthes</i> Inspired Design of Self-Repairing Omniphobic Slippery Liquid Infused Porous Surface (SLIPS) by Femtosecond Laser Direct Writing. Advanced Materials Interfaces, 2017, 4, 1700552.	1.9	120
8	Remarkably simple achievement of superhydrophobicity, superhydrophilicity, underwater superoleophobicity, underwater superoleophilicity, underwater superaerophobicity, and underwater superaerophilicity on femtosecond laser ablated PDMS surfaces. Journal of Materials Chemistry A, 2017, 5, 25249-25257.	5.2	147
9	Flexible, Durable, and Unconditioned Superoleophobic/Superhydrophilic Surfaces for Controllable Transport and Oil-water Separation. Advanced Functional Materials, 2018, 28, 1706867.	7.8	203
10	Ultrafast, Reversible Transition of Superwettability of Graphene Network and Controllable Underwater Oil Adhesion for Oil Microdroplet Transportation. Advanced Functional Materials, 2018, 28, 1706686.	7.8	44
11	On-demand oil-water separation via low-voltage wettability switching of core-shell structures on copper substrates. Applied Surface Science, 2018, 444, 15-27.	3.1	54
12	Reversible switch between underwater superaerophilicity and superaerophobicity on the superhydrophobic nanowire-haired mesh for controlling underwater bubble wettability. AIP Advances, 2018, 8, .	0.6	15
13	Droplet Microarrays: From Surface Patterning to High-Throughput Applications. Advanced Materials, 2018, 30, e1706111.	11.1	170
14	Bilateral Interface Engineering toward Efficient 2D-3D Bulk Heterojunction Tin Halide Lead-Free Perovskite Solar Cells. ACS Energy Letters, 2018, 3, 713-721.	8.8	191
15	Green, Biodegradable, Underwater Superoleophobic Wood Sheet for Efficient Oil/Water Separation. ACS Omega, 2018, 3, 1395-1402.	1.6	61
16	Femtosecond Laser Direct Writing of Porous Network Microstructures for Fabricating Super-Slippery Surfaces with Excellent Liquid Repellence and Anti-Cell Proliferation. Advanced Materials Interfaces, 2018, 5, 1701479.	1.9	86
17	Under-Oil Switchable Superhydrophobicity to Superhydrophilicity Transition on TiO ₂ Nanotube Arrays. ACS Nano, 2018, 12, 1074-1082.	7.3	87
18	Nanosecond Laser-Induced Underwater Superoleophobic and Underoil Superhydrophobic Mesh for Oil/Water Separation. Langmuir, 2018, 34, 2981-2988.	1.6	80

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19	Femtosecond laser induced underwater superaerophilic and superaerophobic PDMS sheets with through microholes for selective passage of air bubbles and further collection of underwater gas. <i>Nanoscale</i> , 2018, 10, 3688-3696.	2.8	87
20	In situ fabrication dynamic carbon fabrics membrane with tunable wettability for selective oil/water separation. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 61, 188-196.	2.9	45
21	Bioinspired Fabrication of Bi/Tridirectionally Anisotropic Sliding Superhydrophobic PDMS Surfaces by Femtosecond Laser. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701245.	1.9	48
22	Facile design of "sticky"-near superamphiphobic surfaces on highly porous substrate. <i>Materials and Design</i> , 2018, 153, 139-152.	3.3	20
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24	Facile fabrication of nanofiber- and micro/nanosphere-coordinated PVDF membrane with ultrahigh permeability of viscous water-in-oil emulsions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7014-7020.	5.2	132
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26	Predicting wettability behavior of fluorosilica coated metal surface using optimum neural network. <i>Surface Science</i> , 2018, 668, 47-53.	0.8	8
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33	Scalable Preparation of Superamphiphobic Coatings with Ultralow Sliding Angles and High Liquid Impact Resistance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41878-41882.	4.0	47
34	Self-Lubricating Slippery Surface with Wettability Gradients for Anti-Sticking of Electrosurgical Scalpel. <i>Micromachines</i> , 2018, 9, 591.	1.4	11
36	Specially Wettable Membranes for Oil/Water Separation. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800576.	1.9	212
37	Coatings super-repellent to ultralow surface tension liquids. <i>Nature Materials</i> , 2018, 17, 1040-1047.	13.3	289

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39	Oil/water separation based on natural materials with super-wettability: recent advances. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25140-25163.	1.3	119
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45	Graphene oxide hydrogel particles from microfluidics for oil decontamination. <i>Journal of Colloid and Interface Science</i> , 2018, 528, 372-378.	5.0	16
46	Novel coating system on poly(ethylene terephthalate) fabrics with mechanically durable liquid-repellence: Application as flexible materials with striking loading capacity. <i>Applied Surface Science</i> , 2018, 457, 332-341.	3.1	12
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59	UiO-66-Coated Mesh Membrane with Underwater Superoleophobicity for High-Efficiency Oil–Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17301-17308.	4.0	120
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144	Femtosecond Laser-Induced Underwater Superoleophobic Surfaces with Reversible pH-Responsive Wettability. <i>Langmuir</i> , 2019, 35, 3295-3301.	1.6	22
145	A highly fluorinated SiO ₂ particle assembled, durable superhydrophobic and superoleophobic coating for both hard and soft materials. <i>Nanoscale</i> , 2019, 11, 18338-18346.	2.8	40
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