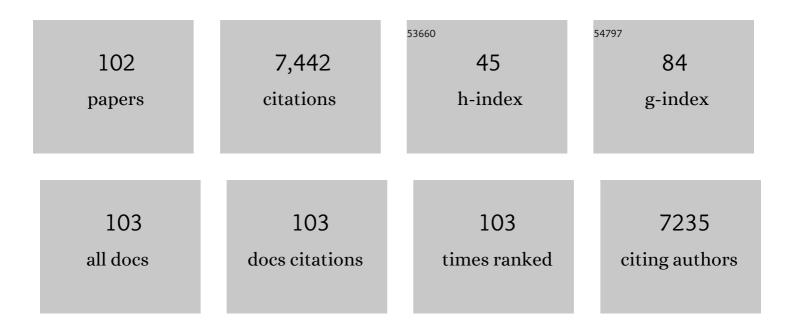


## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Tailoring Local Electrolyte Solvation Structure via a Mesoporous Molecular Sieve for Dendriteâ€Free Zinc Batteries. Advanced Functional Materials, 2022, 32, .	7.8	56
2	Saturated Surface Charging on Micro/Nanoporous Polytetrafluoroethylene for Droplet Manipulation. ACS Applied Nano Materials, 2022, 5, 3342-3351.	2.4	7
3	Rational Design of Durable Anti-fouling Coatings with High Transparency, Hardness, and Flexibility. ACS Applied Materials & Interfaces, 2022, 14, 29156-29166.	4.0	19
4	Durable fire retardant, superhydrophobic, abrasive resistant and air/UV stable coatings. Journal of Colloid and Interface Science, 2021, 582, 301-311.	5.0	39
5	Creation of Topological Ultraslippery Surfaces for Droplet Motion Control. ACS Nano, 2021, 15, 2589-2599.	7.3	93
6	Nanocrack-based strain sensors. Journal of Materials Chemistry C, 2021, 9, 754-772.	2.7	37
7	Unprecedented enhancement of wear resistance for epoxy-resin graphene composites. Nanoscale, 2021, 13, 2855-2867.	2.8	34
8	Photolithography-assisted precise patterning of nanocracks for ultrasensitive strain sensors. Journal of Materials Chemistry A, 2021, 9, 4262-4272.	5.2	17
9	A coating-free superhydrophobic sensing material for full-range human motion and microliter droplet impact detection. Chemical Engineering Journal, 2021, 410, 128418.	6.6	22
10	Design robust, degradable and recyclable superhydrophobic materials. Chemical Engineering Journal, 2021, 420, 129806.	6.6	24
11	Robust Micro-Nanostructured Superhydrophobic Surfaces for Long-Term Dropwise Condensation. Nano Letters, 2021, 21, 9824-9833.	4.5	64
12	Comparison Study of Self-Cleaning, Anti-Icing, and Durable Corrosion Resistance of Superhydrophobic and Lubricant-Infused Ultraslippery Surfaces. Langmuir, 2021, 37, 11061-11071.	1.6	35
13	Liquid-like transparent and flexible coatings for anti-graffiti applications. Progress in Organic Coatings, 2021, 161, 106476.	1.9	8
14	The challenges, achievements and applications of submersible superhydrophobic materials. Chemical Society Reviews, 2021, 50, 6569-6612.	18.7	81
15	Architecture-Driven Fast Droplet Transport without Mass Loss. Langmuir, 2021, 37, 12519-12528.	1.6	14
16	Superhydrophilic–superhydrophobic patterned surfaces on glass substrate for water harvesting. Journal of Materials Science, 2020, 55, 498-508.	1.7	46
17	TiO2 nanotube arrays decorated with Au and Bi2S3 nanoparticles for efficient Fe3+ ions detection and dye photocatalytic degradation. Journal of Materials Science and Technology, 2020, 39, 28-38.	5.6	32
18	Microâ€INanostructured Interface for Liquid Manipulation and Its Applications. Small, 2020, 16, e1903849.	5.2	70

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19	Energy conversion based on superhydrophobic surfaces. Physical Chemistry Chemical Physics, 2020, 22, 25430-25444.	1.3	5
20	Sacrificial layer-assisted nanoscale transfer printing. Microsystems and Nanoengineering, 2020, 6, 80.	3.4	13
21	Bamboo-joint-like platforms for fast, long-distance, directional, and spontaneous transport of fluids. Biomicrofluidics, 2020, 14, 034105.	1.2	7
22	Nanoscale SiO2-coated superhydrophobic meshes via electro-spray deposition for oil-water separation. Powder Technology, 2020, 373, 82-92.	2.1	24
23	A simple, inexpensive and environmental-friendly electrochemical etching method to fabricate superhydrophobic GH4169 surfaces. Surface and Coatings Technology, 2020, 399, 126180.	2.2	25
24	Self-healing on mismatched fractured composite surfaces of SiC with a diameter of 180 nm. Nanoscale, 2020, 12, 19617-19627.	2.8	3
25	Macroscale Superlubricity Enabled by Graphene oated Surfaces. Advanced Science, 2020, 7, 1903239.	5.6	64
26	Superhydrophobic Nickel-Electroplated Carbon Fibers for Versatile Oil/Water Separation with Excellent Reusability and High Environmental Stability. ACS Applied Materials & Interfaces, 2020, 12, 24390-24402.	4.0	72
27	Unprecedented Piezoresistance Coefficient in Strained Silicon Carbide. Nano Letters, 2019, 19, 6569-6576.	4.5	62
28	Robust Superhydrophobic Conical Pillars from Syringe Needle Shape to Straight Conical Pillar Shape for Droplet Pancake Bouncing. ACS Applied Materials & Interfaces, 2019, 11, 45345-45353.	4.0	56
29	Oneâ€step synthesis of Ag@PS nanospheres via flash nanoprecipitation. Applied Organometallic Chemistry, 2019, 33, e4713.	1.7	6
30	Heterojunction αâ€Fe <sub>2</sub> O <sub>3</sub> /ZnO Films with Enhanced Photocatalytic Properties Grown by Aerosolâ€Assisted Chemical Vapour Deposition. Chemistry - A European Journal, 2019, 25, 11337-11345.	1.7	28
31	Low-Cost One-Step Fabrication of Highly Conductive ZnO:Cl Transparent Thin Films with Tunable Photocatalytic Properties via Aerosol-Assisted Chemical Vapor Deposition. ACS Applied Electronic Materials, 2019, 1, 1408-1417.	2.0	41
32	Ultrahigh Recovery of Fracture Strength on Mismatched Fractured Amorphous Surfaces of Silicon Carbide. ACS Nano, 2019, 13, 7483-7492.	7.3	54
33	Facile one-step fabrication of PHC/PDMS anti-icing coatings with mechanical properties and good durability. Progress in Organic Coatings, 2019, 135, 263-269.	1.9	28
34	High-efficiency bubble transportation in an aqueous environment on a serial wedge-shaped wettability pattern. Journal of Materials Chemistry A, 2019, 7, 13567-13576.	5.2	90
35	Thermally-induced all-damage-healable superhydrophobic surface with photocatalytic performance from hierarchical BiOCl. Chemical Engineering Journal, 2019, 366, 439-448.	6.6	37
36	Study on the oil/water separation performance of a super-hydrophobic copper mesh under downhole conditions. Journal of Industrial and Engineering Chemistry, 2019, 72, 310-318.	2.9	19

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37	Inexpensive and non-fluorinated superhydrophobic concrete coating for anti-icing and anti-corrosion. Journal of Colloid and Interface Science, 2019, 541, 86-92.	5.0	170
38	A universal method to create surface patterns with extreme wettability on metal substrates. Journal of Colloid and Interface Science, 2019, 535, 100-110.	5.0	21
39	Controlling and modelling the wetting properties of III-V semiconductor surfaces using re-entrant nanostructures. Scientific Reports, 2018, 8, 3544.	1.6	4
40	Robust platform for water harvesting and directional transport. Journal of Materials Chemistry A, 2018, 6, 5635-5643.	5.2	71
41	A superhydrophilic cement-coated mesh: an acid, alkali, and organic reagent-free material for oil/water separation. Nanoscale, 2018, 10, 1920-1929.	2.8	81
42	Electrochemical machining of superhydrophobic surfaces on mold steel substrates. Surface and Coatings Technology, 2018, 344, 499-506.	2.2	30
43	Computational Intelligenceâ€Assisted Understanding of Natureâ€Inspired Superhydrophobic Behavior. Advanced Science, 2018, 5, 1700520.	5.6	19
44	Super-durable, non-fluorinated superhydrophobic free-standing items. Journal of Materials Chemistry A, 2018, 6, 357-362.	5.2	75
45	Multifunctional Porous and Magnetic Silicone with High Elasticity, Durability, and Oil–Water Separation Properties. Langmuir, 2018, 34, 13305-13311.	1.6	25
46	Fabrication of Superhydrophobic Micro Post Array on Aluminum Substrates Using Mask Electrochemical Machining. Chinese Journal of Mechanical Engineering (English Edition), 2018, 31, .	1.9	24
47	Efficiently texturing hierarchical superhydrophobic fluoride-free translucent films by AACVD with excellent durability and self-cleaning ability. Journal of Materials Chemistry A, 2018, 6, 17633-17641.	5.2	99
48	Photocatalytic and electrically conductive transparent Cl-doped ZnO thin films <i>via</i> aerosol-assisted chemical vapour deposition. Journal of Materials Chemistry A, 2018, 6, 12682-12692.	5.2	34
49	Superoleophobic surfaces on stainless steel substrates obtained by chemical bath deposition. Micro and Nano Letters, 2017, 12, 76-81.	0.6	19
50	Buoyancy increase and drag-reduction through a simple superhydrophobic coating. Nanoscale, 2017, 9, 7588-7594.	2.8	141
51	Large-scale fabrication of translucent and repairable superhydrophobic spray coatings with remarkable mechanical, chemical durability and UV resistance. Journal of Materials Chemistry A, 2017, 5, 10622-10631.	5.2	164
52	A Targeted Functional Design for Highly Efficient and Stable Cathodes for Rechargeable Liâ€lon Batteries. Advanced Functional Materials, 2017, 27, 1604903.	7.8	22
53	Large-Area Fabrication of Droplet Pancake Bouncing Surface and Control of Bouncing State. ACS Nano, 2017, 11, 9259-9267.	7.3	118
54	Table Salt as a Template to Prepare Reusable Porous PVDF–MWCNT Foam for Separation of Immiscible Oils/Organic Solvents and Corrosive Aqueous Solutions. Advanced Functional Materials, 2017, 27, 1702926.	7.8	160

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55	Self-standing electrodes with core-shell structures for high-performance supercapacitors. Energy Storage Materials, 2017, 9, 119-125.	9.5	52
56	Transparent superhydrophobic PTFE films via one-step aerosol assisted chemical vapor deposition. RSC Advances, 2017, 7, 29275-29283.	1.7	52
57	Transforming a Simple Commercial Glue into Highly Robust Superhydrophobic Surfaces via Aerosol-Assisted Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2017, 9, 42327-42335.	4.0	85
58	Super-robust superhydrophobic concrete. Journal of Materials Chemistry A, 2017, 5, 14542-14550.	5.2	170
59	S, Nâ€Coâ€Doped Grapheneâ€Nickel Cobalt Sulfide Aerogel: Improved Energy Storage and Electrocatalytic Performance. Advanced Science, 2017, 4, 1600214.	5.6	204
60	Single Step Solution Processed GaAs Thin Films from GaMe3andtBuAsH2under Ambient Pressure. Journal of Physical Chemistry C, 2016, 120, 7013-7019.	1.5	12
61	Power-free water pump based on a superhydrophobic surface: generation of a mushroom-like jet and anti-gravity long-distance transport. Journal of Materials Chemistry A, 2016, 4, 13771-13777.	5.2	16
62	Controlling the Adhesion of Superhydrophobic Surfaces Using Electrolyte Jet Machining Techniques. Scientific Reports, 2016, 6, 23985.	1.6	52
63	Fabrication of Long-Term Underwater Superoleophobic Al Surfaces and Application on Underwater Lossless Manipulation of Non-Polar Organic Liquids. Scientific Reports, 2016, 6, 31818.	1.6	18
64	Synthesis and characterization of omniphobic surfaces with thermal, mechanical and chemical stability. RSC Advances, 2016, 6, 106491-106499.	1.7	17
65	Design and Fabrication of the Lyophobic Slippery Surface and Its Application in Anti-Icing. Journal of Physical Chemistry C, 2016, 120, 11054-11059.	1.5	84
66	TiO <sub>2</sub> Nanorod Array Constructed Nanotopography for Regulation of Mesenchymal Stem Cells Fate and the Realization of Location ommitted Stem Cell Differentiation. Small, 2016, 12, 1770-1778.	5.2	57
67	Underwater Spontaneous Pumpless Transportation of Nonpolar Organic Liquids on Extreme Wettability Patterns. ACS Applied Materials & Interfaces, 2016, 8, 2942-2949.	4.0	72
68	Controllable Water Adhesion and Anisotropic Sliding on Patterned Superhydrophobic Surface for Droplet Manipulation. Journal of Physical Chemistry C, 2016, 120, 7233-7240.	1.5	89
69	Designing durable and flexible superhydrophobic coatings and its application in oil purification. Journal of Materials Chemistry A, 2016, 4, 4107-4116.	5.2	94
70	Synthesis of superhydrophobic polymer/tungsten (VI) oxide nanocomposite thin films. European Journal of Chemistry, 2016, 7, 139-145.	0.3	5
71	Barrelâ€Shaped Oil Skimmer Designed for Collection of Oil from Spills. Advanced Materials Interfaces, 2015, 2, 1500350.	1.9	112
72	Tungsten Doped TiO2 with Enhanced Photocatalytic and Optoelectrical Properties via Aerosol Assisted Chemical Vapor Deposition. Scientific Reports, 2015, 5, 10952.	1.6	122

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73	Characteristic and Application Study of Cold Atmospheric-Pressure Nitrogen Plasma Jet. IEEE Transactions on Plasma Science, 2015, 43, 1959-1968.	0.6	35
74	Hydrophilic patterning of superhydrophobic surfaces by atmosphericâ€pressure plasma jet. Micro and Nano Letters, 2015, 10, 105-108.	0.6	35
75	Structure, Synthesis, and Applications of TiO <sub>2</sub> Nanobelts. Advanced Materials, 2015, 27, 2557-2582.	11.1	287
76	Robust self-cleaning surfaces that function when exposed to either air or oil. Science, 2015, 347, 1132-1135.	6.0	1,494
77	Creating robust superamphiphobic coatings for both hard and soft materials. Journal of Materials Chemistry A, 2015, 3, 20999-21008.	5.2	123
78	Highly Photocatalytically Active Iron(III) Titanium Oxide Thin films via Aerosolâ€Assisted CVD. Chemical Vapor Deposition, 2015, 21, 21-25.	1.4	8
79	Functionalised gold and titania nanoparticles and surfaces for use as antimicrobial coatings. Faraday Discussions, 2014, 175, 273-287.	1.6	16
80	Water droplets bouncing on superhydrophobic soft porous materials. Journal of Materials Chemistry A, 2014, 2, 12177-12184.	5.2	45
81	Creating superhydrophobic mild steel surfaces for water proofing and oil–water separation. Journal of Materials Chemistry A, 2014, 2, 11628-11634.	5.2	153
82	Self-Driven One-Step Oil Removal from Oil Spill on Water via Selective-Wettability Steel Mesh. ACS Applied Materials & Interfaces, 2014, 6, 19858-19865.	4.0	226
83	Electrochemical fabrication of superhydrophobic Zn surfaces. Applied Surface Science, 2014, 315, 346-352.	3.1	42
84	Fabrication of superhydrophobic surfaces on Mg alloy substrates via primary cell corrosion and fluoroalkylsilane modification. Materials and Corrosion - Werkstoffe Und Korrosion, 2013, 64, 979-987.	0.8	18
85	Preparation of Superoleophobic and Superhydrophobic Titanium Surfaces via an Environmentally Friendly Electrochemical Etching Method. ACS Sustainable Chemistry and Engineering, 2013, 1, 102-109.	3.2	113
86	A simple immersion approach for fabricating superhydrophobic Mg alloy surfaces. Applied Surface Science, 2013, 266, 445-450.	3.1	78
87	Fabrication of superoleophobic surfaces on Al substrates. Journal of Materials Chemistry A, 2013, 1, 14783.	5.2	79
88	Fabrication Technology of Low-Adhesive Superhydrophobic and Superamphiphobic Surfaces Based on Electrochemical Machining Method. Journal of Micro and Nano-Manufacturing, 2013, 1, .	0.8	7
89	Anisotropic sliding of multipleâ€level biomimetic riceâ€leaf surfaces on aluminium substrates. Micro and Nano Letters, 2013, 8, 801-804.	0.6	21
90	Fabrication of Low-Adhesive Superhydrophobic Al Surfaces via Self-Assembled Primary Cell Assisted Etching. Journal of Dispersion Science and Technology, 2013, 34, 908-913.	1.3	5

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91	Loading capacity of a self-assembled superhydrophobic boat array fabricated via electrochemical method. Micro and Nano Letters, 2012, 7, 786.	0.6	20
92	Electrochemical machining of super-hydrophobic Al surfaces and effect of processing parameters on wettability. Applied Physics A: Materials Science and Processing, 2012, 108, 559-568.	1.1	34
93	Ultrafast fabrication of rough structures required by superhydrophobic surfaces on Al substrates using an immersion method. Chemical Engineering Journal, 2012, 211-212, 143-152.	6.6	107
94	Fabrication of superhydrophobic Cu surfaces on Al substrates via a facile chemical deposition process. Materials Letters, 2012, 87, 43-46.	1.3	33
95	Preparation of superhydrophobic titanium surfaces via electrochemical etching and fluorosilane modification. Applied Surface Science, 2012, 263, 297-301.	3.1	66
96	A rapid two-step electroless deposition process to fabricate superhydrophobic coatings on steel substrates. Journal of Coatings Technology Research, 2012, 9, 643-650.	1.2	14
97	Fabrication of Superhydrophobic Surfaces on Aluminum Substrates via Electrochemical Etching and Re-Deposition. Applied Mechanics and Materials, 2012, 197, 351-355.	0.2	4
98	Fabrication of superhydrophobic surfaces with hierarchical rough structures on Mg alloy substrates via chemical corrosion method. Micro and Nano Letters, 2012, 7, 204.	0.6	13
99	Fabrication of superhydrophobic surfaces with high adhesive forces towards water on steel substrates. Micro and Nano Letters, 2012, 7, 456.	0.6	6
100	One-step electrochemical machining of superhydrophobic surfaces on aluminum substrates. Journal of Materials Science, 2012, 47, 162-168.	1.7	72
101	Rapid fabrication of superhydrophobic surfaces on copper substrates by electrochemical machining. Applied Surface Science, 2011, 257, 10910-10916.	3.1	21
102	Rapid Fabrication of Large-Area, Corrosion-Resistant Superhydrophobic Mg Alloy Surfaces. ACS Applied Materials & Interfaces, 2011, 3, 4404-4414.	4.0	343