

Jing Li

List of Publications by Year in descending order

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60
papers

3,849
citations

147801

31
h-index

128289

60
g-index

60
all docs

60
docs citations

60
times ranked

4259
citing authors

#	ARTICLE	IF	CITATIONS
1	Methodology for Robust Superhydrophobic Fabrics and Sponges from In Situ Growth of Transition Metal/Metal Oxide Nanocrystals with Thiol Modification and Their Applications in Oil/Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1827-1839.	8.0	251
2	Underwater superoleophobic graphene oxide coated meshes for the separation of oil and water. <i>Chemical Communications</i> , 2014, 50, 5586.	4.1	239
3	Stable superhydrophobic coatings from thiol-ligand nanocrystals and their application in oil/water separation. <i>Journal of Materials Chemistry</i> , 2012, 22, 9774.	6.7	231
4	Hybrid composites of conductive polyaniline and nanocrystalline titanium oxide prepared via self-assembling and graft polymerization. <i>Polymer</i> , 2006, 47, 7361-7367.	3.8	208
5	Inorganic Adhesives for Robust Superwetting Surfaces. <i>ACS Nano</i> , 2017, 11, 1113-1119.	14.6	204
6	Bioinspired Interfacial Materials with Enhanced Drop Mobility: From Fundamentals to Multifunctional Applications. <i>Small</i> , 2016, 12, 1825-1839.	10.0	193
7	Advances in the theory of superhydrophobic surfaces. <i>Journal of Materials Chemistry</i> , 2012, 22, 20112.	6.7	177
8	Recent progress of double-structural and functional materials with special wettability. <i>Journal of Materials Chemistry</i> , 2012, 22, 799-815.	6.7	175
9	Transparent superhydrophobic/superhydrophilic coatings for self-cleaning and anti-fogging. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	143
10	Superhydrophobic copper coating: Switchable wettability, on-demand oil-water separation, and antifouling. <i>Chemical Engineering Journal</i> , 2017, 327, 849-854.	12.7	141
11	Inorganic adhesives for robust, self-healing, superhydrophobic surfaces. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19297-19305.	10.3	128
12	Synthesis of molecular imprinted polymer coated photocatalysts with high selectivity. <i>Chemical Communications</i> , 2007, , 1163.	4.1	120
13	Transparent slippery liquid-infused nanoparticulate coatings. <i>Chemical Engineering Journal</i> , 2018, 337, 462-470.	12.7	98
14	Polyaniline coated membranes for effective separation of oil-in-water emulsions. <i>Journal of Colloid and Interface Science</i> , 2016, 467, 261-270.	9.4	91
15	Underoil superhydrophilic surfaces: water adsorption in metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1692-1699.	10.3	84
16	High-efficiency water collection on biomimetic material with superwetable patterns. <i>Chemical Communications</i> , 2016, 52, 12415-12417.	4.1	82
17	Stable Superwetting Meshes for On-Demand Separation of Immiscible Oil/Water Mixtures and Emulsions. <i>Langmuir</i> , 2017, 33, 3702-3710.	3.5	82
18	Beetle and cactus-inspired surface endows continuous and directional droplet jumping for efficient water harvesting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1507-1516.	10.3	79

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19	Electrochemical route to prepare polyaniline-coated meshes with controllable pore size for switchable emulsion separation. <i>Chemical Engineering Journal</i> , 2016, 304, 115-120.	12.7	74
20	Correlation between One-Directional Helical Growth of Polyaniline and Its Optical Activity. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8383-8388.	3.1	56
21	Dual superlyophobic surfaces with superhydrophobicity and underwater superoleophobicity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11682-11687.	10.3	56
22	Photochemical removal of aniline in aqueous solutions: Switching from photocatalytic degradation to photo-enhanced polymerization recovery. <i>Journal of Hazardous Materials</i> , 2010, 175, 977-984.	12.4	55
23	Graphene oxide-iron complex: synthesis, characterization and visible-light-driven photocatalysis. <i>Journal of Materials Chemistry A</i> , 2013, 1, 644-650.	10.3	55
24	An all-water-based system for robust superhydrophobic surfaces. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 130-136.	9.4	55
25	A New Strategy for the Synthesis of Polyaniline Nanostructures: From Nanofibers to Nanowires. <i>Macromolecular Rapid Communications</i> , 2007, 28, 740-745.	3.9	46
26	Stable underwater superoleophobic conductive polymer coated meshes for high-efficiency oil-water separation. <i>RSC Advances</i> , 2015, 5, 33077-33082.	3.6	44
27	One-step fabrication of superhydrophobic surfaces with different adhesion via laser processing. <i>Journal of Alloys and Compounds</i> , 2018, 739, 489-498.	5.5	43
28	Efficient Fog Harvesting Based on 1D Copper Wire Inspired by the Plant Pitaya. <i>Langmuir</i> , 2018, 34, 15259-15267.	3.5	42
29	Highly photocatalytic activity of metallic hydroxide/titanium dioxide nanoparticles prepared via a modified wet precipitation process. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 198, 282-287.	3.9	38
30	Antioxidant activity of polyaniline nanofibers. <i>Chinese Chemical Letters</i> , 2007, 18, 1005-1008.	9.0	37
31	Iron Impurities as the Active Sites for Peroxidase-like Catalytic Reaction on Graphene and Its Derivatives. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15403-15413.	8.0	34
32	Robust and self-repairing superamphiphobic coating from all-water-based spray. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 553, 645-651.	4.7	33
33	Thermo-responsive hollow silica microgels with controlled drug release properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 7-14.	5.0	32
34	Fabrication of functional superhydrophobic engineering materials via an extremely rapid and simple route. <i>Chemical Communications</i> , 2015, 51, 6493-6495.	4.1	31
35	Design and understanding of a high-performance gas sensing material based on copper oxide nanowires exfoliated from a copper mesh substrate. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20477-20481.	10.3	30
36	Organic Media Superwettability: On-Demand Liquid Separation by Controlling Surface Chemistry. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37634-37642.	8.0	30

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37	Water deteriorates lubricating oils: removal of water in lubricating oils using a robust superhydrophobic membrane. <i>Nanoscale</i> , 2020, 12, 11703-11710.	5.6	29
38	Facile Fabrication of Superhydrophobic and Underwater Superoleophobic Coatings. <i>ACS Applied Nano Materials</i> , 2018, 1, 4894-4899.	5.0	28
39	Polyaniline Nanofibers: Their Amphiphilicity and Uses for Pickering Emulsions and On-Demand Emulsion Separation. <i>Langmuir</i> , 2018, 34, 2841-2848.	3.5	27
40	Conductive and transparent superhydrophobic films on various substrates by <i>in situ</i> deposition. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	26
41	Simultaneous nitrification and denitrification of hypersaline wastewater by a robust bacterium <i>Halomonas salifodinae</i> from a repeated-batch acclimation. <i>Bioresource Technology</i> , 2021, 341, 125818.	9.6	26
42	Effects of dopants on percolation behaviors and gas sensing characteristics of polyaniline film. <i>Electrochimica Acta</i> , 2006, 52, 723-727.	5.2	24
43	Controllable preparation of multiple superantwetting surfaces: From dual to quadruple superlyophobicity. <i>Chemical Engineering Journal</i> , 2019, 369, 463-469.	12.7	24
44	An all superantwetting surface in water-air systems. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6957-6962.	10.3	20
45	Electrochemical preparation of TiO ₂ /SiO ₂ composite film and its high activity toward the photoelectrocatalytic degradation of methyl orange. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1745-1753.	2.9	15
46	Unidirectional solute transfer using a Janus membrane. <i>Journal of Membrane Science</i> , 2020, 596, 117723.	8.2	15
47	Robust Superhydrophobic Membrane for Solving Water-Accelerated Fatigue of ZDDP-Containing Lubricating Oils. <i>Langmuir</i> , 2020, 36, 8560-8569.	3.5	15
48	Significant advantages of low-oxygen graphene nanosheets. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9738-9744.	10.3	14
49	Isolated heterotrophic nitrifying and aerobic denitrifying bacterium for treating actual refinery wastewater with low C/N ratio. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 41-48.	2.2	13
50	Inspired superhydrophobic surfaces by a double-metal-assisted chemical etching route. <i>Materials Research Bulletin</i> , 2012, 47, 1687-1692.	5.2	11
51	Salt Effects on Crystallization of Titanate and the Tailoring of Its Nanostructures. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16768-16773.	3.1	10
52	A novel route to synthesis of photoluminescent dye/polypyrrole nanoparticles: Effects of intermolecular energy transfer on nucleation and growth of polypyrrole. <i>Synthetic Metals</i> , 2008, 158, 396-399.	3.9	9
53	A novel Fe(OH) ₃ /TiO ₂ nanoparticles and its high photocatalytic activity. <i>Chinese Chemical Letters</i> , 2007, 18, 1261-1264.	9.0	6
54	pH-Responsive Superwetting Fabric for On-demand Oil-Water Separation. <i>Chemistry Letters</i> , 2018, 47, 923-926.	1.3	6

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55	Anisotropic wetting properties of trapezoidal profile surfaces with hierarchical stripes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 562, 170-178.	4.7	5
56	Fine Switching between Underwater Superoleophilicity and Underwater Superoleophobicity while Maintaining Superhydrophobicity. <i>Langmuir</i> , 2020, 36, 3300-3307.	3.5	4
57	Multiphase media superwettability regulated by coexisting prewetting phase. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128505.	4.7	2
58	A Tunable Superwetting Copper Film between Superhydrophobicity and Superhydrophilicity. <i>Chemistry Letters</i> , 2015, 44, 1527-1529.	1.3	1
59	Descriptive data on simultaneous nitrification and denitrification of hypersaline wastewater by a robust bacterium <i>Halomonas salifodinae</i> . <i>Data in Brief</i> , 2021, 39, 107519.	1.0	1
60	Superwetting interface for miscible liquid separation. <i>Matter</i> , 2022, 5, 1067-1069.	10.0	1