

Lin Feng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95
papers

15,459
citations

49
h-index

97
g-index

97
ext. papers

16,718
ext. citations

9
avg, IF

6.44
L-index

#	Paper	IF	Citations
95	Universal and tunable liquid-liquid separation by nanoparticle-embedded gating membranes based on a self-defined interfacial parameter. <i>Nature Communications</i> , 2021 , 12, 80	17.4	15
94	Integration of catalytic capability and pH-responsive wettability in a VxOy-based dual-mesh system: towards solving the trade-off between the separation flow rate and degradation efficiency. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 5454-5467	13	3
93	A Dually Charged Membrane for Seawater Utilization: Combining Marine Pollution Remediation and Desalination by Simultaneous Removal of Polluted Dispersed Oil, Surfactants, and Ions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 48171-48178	9.5	0
92	Superwetting Patterned Membranes with an Anisotropy/Isotropy Transition: Towards Signal Expression and Liquid Permeation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13437-13443	16.4	12
91	Superwetting Patterned Membranes with an Anisotropy/Isotropy Transition: Towards Signal Expression and Liquid Permeation. <i>Angewandte Chemie</i> , 2020 , 132, 13539-13545	3.6	
90	A bifunctional MnO mesh for expeditious and ambient degradation of dyes in activation of peroxymonosulfate (PMS) and simultaneous oil removal from water. <i>Journal of Colloid and Interface Science</i> , 2020 , 579, 412-424	9.3	22
89	Hierarchical architectures of Ag clusters deposited biomimetic membrane: Synthesis, emulsion separation, catalytic and antibacterial performance. <i>Separation and Purification Technology</i> , 2020 , 241, 116733	8.3	19
88	Peanut Leaf-Inspired Hybrid Metal-Organic Framework with Humidity-Responsive Wettability: toward Controllable Separation of Diverse Emulsions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6309-6318	9.5	12
87	Photothermally induced in situ double emulsion separation by a carbon nanotube/poly(N-isopropylacrylamide) modified membrane with superwetting properties. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 7677-7686	13	12
86	Crown ether modified membranes for Na ⁺ -responsive controllable emulsion separation suitable for hypersaline environments. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 2684-2690	13	16
85	Discarded cigarette butts regenerated hydrophobic-oleophilic materials for both immiscible and emulsified oil/water separation through a wettability reversal strategy. <i>Applied Surface Science</i> , 2020 , 532, 147350	6.7	0
84	PG-PEI-Ag NPs-Decorated Membrane for Pretreatment of Laboratory Wastewater: Simultaneous Removal of Water-Insoluble Organic Solvents and Water-Soluble Anionic Organic Pollutants. <i>Langmuir</i> , 2019 , 35, 7680-7690	4	5
83	Lotus- and Mussel-Inspired PDA-PET/PTFE Janus Membrane: Toward Integrated Separation of Light and Heavy Oils from Water. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20545-20556	9.5	43
82	Asymmetric superwetting configuration of Janus membranes based on thiolene clickable silane nanospheres enabling on-demand and energy-efficient oil/water remediation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10047-10057	13	36
81	Aminoazobenzene@Ag modified meshes with large extent photo-response: towards reversible oil/water removal from oil/water mixtures. <i>Chemical Science</i> , 2019 , 10, 4089-4096	9.4	27
80	Janus membrane decorated via a versatile immersion-spray route: controllable stabilized oil/water emulsion separation satisfying industrial emission and purification criteria. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4941-4949	13	62
79	A dual functional Janus membrane combining superwettability with electrostatic force for controllable anionic/cationic emulsion separation and in situ surfactant removal. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 27156-27163	13	23

78	A versatile CeO/CoO coated mesh for food wastewater treatment: Simultaneous oil removal and UV catalysis of food additives. <i>Water Research</i> , 2018 , 137, 144-152	12.5	26
77	Thermo-Driven Controllable Emulsion Separation by a Polymer-Decorated Membrane with Switchable Wettability. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5740-5745	16.4	115
76	Thermo-Driven Controllable Emulsion Separation by a Polymer-Decorated Membrane with Switchable Wettability. <i>Angewandte Chemie</i> , 2018 , 130, 5842-5847	3.6	11
75	Superwetting copper meshes based on self-organized robust CuO nanorods: efficient water purification for in situ oil removal and visible light photodegradation. <i>Nanoscale</i> , 2018 , 10, 4561-4569	7.7	37
74	A MoS ₂ nanosheet-coated mesh for pH-induced multi-pollutant water remediation with in situ electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6435-6441	13	11
73	Facile fabrication of hydrogel coated membrane for controllable and selective oil-in-water emulsion separation. <i>Soft Matter</i> , 2018 , 14, 2649-2654	3.6	20
72	Antioil Ag ₃ PO ₄ Nanoparticle/Polydopamine/Al ₂ O ₃ Sandwich Structure for Complex Wastewater Treatment: Dynamic Catalysis under Natural Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8019-8028	8.3	63
71	Polymer-Decorated Filter Material for Wastewater Treatment: In Situ Ultrafast Oil/Water Emulsion Separation and Azo Dye Adsorption. <i>Langmuir</i> , 2018 , 34, 13192-13202	4	14
70	Smart Nylon Membranes with pH-Responsive Wettability: High-Efficiency Separation on Demand for Various Oil/Water Mixtures and Surfactant-Stabilized Emulsions. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1801179	4.6	27
69	A smart nano-V ₂ O ₅ /ODA-coated mesh for a co-responsive photo-induced wettability transition and ROS generation for in situ water purification. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18003-18009	13	19
68	Superwetting Porous Materials for Wastewater Treatment: from Immiscible Oil/Water Mixture to Emulsion Separation. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1600029	4.6	128
67	Nanocomposite Deposited Membrane for Oil-in-Water Emulsion Separation with in Situ Removal of Anionic Dyes and Surfactants. <i>Langmuir</i> , 2017 , 33, 7380-7388	4	62
66	Morphology-Induced TiO ₂ Bandgap Change for Super Rapid Treatment of Dye Wastewater under Visible Light. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700125	6.8	9
65	Fabrication of robust mesh with anchored Ag nanoparticles for oil removal and in situ catalytic reduction of aromatic dyes. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15822-15827	13	47
64	One-step reduction and simultaneous decoration on various porous substrates: toward oil filtration from water. <i>RSC Advances</i> , 2016 , 6, 86019-86024	3.7	2
63	Recycling of PE glove waste as highly valuable products for efficient separation of oil-based contaminants from water. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18128-18133	13	20
62	Fabrication of Silica Nanospheres Coated Membranes: towards the Effective Separation of Oil-in-Water Emulsion in Extremely Acidic and Concentrated Salty Environments. <i>Scientific Reports</i> , 2016 , 6, 32540	4.9	23
61	One-Step Coating toward Multifunctional Applications: Oil/Water Mixtures and Emulsions Separation and Contaminants Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3333-9	9.5	101

60	A Facile Approach for Fabricating Dual-Function Membrane: Simultaneously Removing Oil from Water and Adsorbing Water-Soluble Proteins. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600291	4.6	22
59	In situ ultrafast separation and purification of oil/water emulsions by superwetting TiO ₂ nanocluster-based mesh. <i>Nanoscale</i> , 2016 , 8, 8525-9	7.7	87
58	In situ dual-functional water purification with simultaneous oil removal and visible light catalysis. <i>Nanoscale</i> , 2016 , 8, 18558-18564	7.7	35
57	Polyacrylamide-Polydivinylbenzene Decorated Membrane for Sundry Ionic Stabilized Emulsions Separation via a Facile Solvothermal Method. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21816-23	9.5	24
56	One-step breaking and separating emulsion by tungsten oxide coated mesh. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 8108-13	9.5	54
55	A pure inorganic ZnO-Co ₃ O ₄ overlapped membrane for efficient oil/water emulsions separation. <i>Scientific Reports</i> , 2015 , 5, 9688	4.9	63
54	Breathing Demulsification: A Three-Dimensional (3D) Free-Standing Superhydrophilic Sponge. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22264-71	9.5	55
53	Ultralight free-standing reduced graphene oxide membranes for oil-in-water emulsion separation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20113-20117	13	87
52	Electricity-induced switchable wettability and controllable water permeation based on 3D copper foam. <i>Chemical Communications</i> , 2015 , 51, 16237-40	5.8	43
51	Surfactant-Mediated Conformal Overgrowth of Core-Shell Metal-Organic Framework Materials with Mismatched Topologies. <i>Small</i> , 2015 , 11, 5551-5	11	73
50	CO ₂ -Responsive Nanofibrous Membranes with Switchable Oil/Water Wettability. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8934-8	16.4	232
49	A Solvothermal Route Decorated on Different Substrates: Controllable Separation of an Oil/Water Mixture to a Stabilized Nanoscale Emulsion. <i>Advanced Materials</i> , 2015 , 27, 7349-55	24	187
48	CO ₂ -Responsive Nanofibrous Membranes with Switchable Oil/Water Wettability. <i>Angewandte Chemie</i> , 2015 , 127, 9062-9066	3.6	54
47	Directly Coating Hydrogel on Filter Paper for Effective Oil/Water Separation in Highly Acidic, Alkaline, and Salty Environment. <i>Advanced Functional Materials</i> , 2015 , 25, 5368-5375	15.6	263
46	Mussel-inspired chemistry and Stober method for highly stabilized water-in-oil emulsions separation. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20439-20443	13	75
45	A fast and convenient cellulose hydrogel-coated colander for high-efficiency oil/water separation. <i>RSC Advances</i> , 2014 , 4, 32544-32548	3.7	36
44	Fast formation of superhydrophobic octadecylphosphonic acid (ODPA) coating for self-cleaning and oil/water separation. <i>Soft Matter</i> , 2014 , 10, 8116-21	3.6	56
43	A novel solution-controlled hydrogel coated mesh for oil/water separation based on monolayer electrostatic self-assembly. <i>RSC Advances</i> , 2014 , 4, 51404-51410	3.7	30

42	Fabrication of a silica gel coated quartz fiber mesh for oil/water separation under strong acidic and concentrated salt conditions. <i>RSC Advances</i> , 2014 , 4, 11447	3.7	41
41	Special wettable materials for oil/water separation. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2445-2460	13	880
40	A facile solvent-manipulated mesh for reversible oil/water separation. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12821-6	9.5	122
39	Thermo and pH dual-responsive materials for controllable oil/water separation. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 2026-30	9.5	229
38	Dual-scaled porous nitrocellulose membranes with underwater superoleophobicity for highly efficient oil/water separation. <i>Advanced Materials</i> , 2014 , 26, 1771-5	24	277
37	Biocompatibility evaluation of aniline oligomers with different end-functional groups. <i>Toxicology Research</i> , 2013 , 2, 427	2.6	49
36	Integrated oil separation and water purification by a double-layer TiO ₂ -based mesh. <i>Energy and Environmental Science</i> , 2013 , 6, 1147	35.4	275
35	Interfacial materials with special wettability. <i>MRS Bulletin</i> , 2013 , 38, 366-371	3.2	118
34	Mussel-inspired chemistry and Michael addition reaction for efficient oil/water separation. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 4438-42	9.5	282
33	Straightforward oxidation of a copper substrate produces an underwater superoleophobic mesh for oil/water separation. <i>ChemPhysChem</i> , 2013 , 14, 3489-94	3.2	80
32	Superoleophilic and superhydrophobic biodegradable material with porous structures for oil absorption and oil/water separation. <i>RSC Advances</i> , 2013 , 3, 23432	3.7	108
31	Mesoporous SiO ₂ -Supported Pt Nanoparticles for Catalytic Application. <i>ISRN Nanomaterials</i> , 2013 , 2013, 1-7		3
30	Cellular responses of aniline oligomers: a preliminary study. <i>Toxicology Research</i> , 2012 , 1, 201	2.6	157
29	PolyPEGylated nanodiamond for intracellular delivery of a chemotherapeutic drug. <i>Polymer Chemistry</i> , 2012 , 3, 2716	4.9	98
28	Synthesis of a Re-usable Cellobiase Enzyme Catalyst through In situ Encapsulation in Nonsurfactant Templated Sol-Gel Mesoporous Silica. <i>Topics in Catalysis</i> , 2012 , 55, 1247-1253	2.3	5
27	Fast photo-switched wettability and color of surfaces coated with polymer brushes containing spiropyran. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 870-875	2.9	44
26	PANI nanowire film with underwater superoleophobicity and potential-modulated tunable adhesion for no loss oil droplet transport. <i>Soft Matter</i> , 2012 , 8, 9064	3.6	88
25	Elaborate architecture of the hierarchical hen's eggshell. <i>Nano Research</i> , 2011 , 4, 171-179	10	26

24	A novel superhydrophilic and underwater superoleophobic hydrogel-coated mesh for oil/water separation. <i>Advanced Materials</i> , 2011 , 23, 4270-3	24	1283
23	One-step fabrication of fluoropolymer transparent films with superhydrophobicity by dry method. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 524-529	2.9	22
22	The effect of surface microstructures and surface compositions on the wettabilities of flower petals. <i>Soft Matter</i> , 2011 , 7, 2977	3.6	57
21	The structural color of red rose petals and their duplicates. <i>Langmuir</i> , 2010 , 26, 14885-8	4	60
20	Smart responsive surfaces switching reversibly between super-hydrophobicity and super-hydrophilicity. <i>Soft Matter</i> , 2009 , 5, 275-281	3.6	157
19	A general approach for fabrication of superhydrophobic and superamphiphobic surfaces. <i>Applied Physics Letters</i> , 2008 , 92, 053102	3.4	135
18	Petal effect: a superhydrophobic state with high adhesive force. <i>Langmuir</i> , 2008 , 24, 4114-9	4	1416
17	Wettability Alteration of Polymer Surfaces Produced by Scraping. <i>Journal of Adhesion Science and Technology</i> , 2008 , 22, 395-402	2	55
16	Chemical Dual-Responsive Wettability of Superhydrophobic PANI-PAN Coaxial Nanofibers. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 1135-1141	4.8	79
15	Bioinspired surfaces with special wettability. <i>Accounts of Chemical Research</i> , 2005 , 38, 644-52	24.3	1750
14	Super-Hydrophobic PDMS Surface with Ultra-Low Adhesive Force. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 1805-1809	4.8	302
13	Reversible super-hydrophobicity to super-hydrophilicity transition of aligned ZnO nanorod films. <i>Journal of the American Chemical Society</i> , 2004 , 126, 62-3	16.4	1043
12	Reversible switching between superhydrophilicity and superhydrophobicity. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 357-60	16.4	948
11	A super-hydrophobic and super-oleophilic coating mesh film for the separation of oil and water. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 2012-4	16.4	1232
10	Cover Picture: Reversible Switching between Superhydrophilicity and Superhydrophobicity (Angew. Chem. Int. Ed. 3/2004). <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 261-261	16.4	
9	Reversible Switching between Superhydrophilicity and Superhydrophobicity. <i>Angewandte Chemie</i> , 2004 , 116, 361-364	3.6	127
8	A Super-Hydrophobic and Super-Oleophilic Coating Mesh Film for the Separation of Oil and Water. <i>Angewandte Chemie</i> , 2004 , 116, 2046-2048	3.6	263
7	Titelbild: Reversible Switching between Superhydrophilicity and Superhydrophobicity (Angew. Chem. 3/2004). <i>Angewandte Chemie</i> , 2004 , 116, 263-263	3.6	2

6	Superhydrophobicity of Nanostructured Carbon Films in a Wide Range of pH Values. <i>Angewandte Chemie</i> , 2003 , 115, 4349-4352	3.6	20
5	Creation of a Superhydrophobic Surface from an Amphiphilic Polymer. <i>Angewandte Chemie</i> , 2003 , 115, 824-826	3.6	76
4	Superhydrophobicity of nanostructured carbon films in a wide range of pH values. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4217-20	16.4	90
3	Creation of a superhydrophobic surface from an amphiphilic polymer. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 800-2	16.4	356
2	Super-hydrophobic surface of aligned polyacrylonitrile nanofibers. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1221-3	16.4	584
1	Novel superwetting nanofibrous skins for removing stubborn soluble oil in emulsified wastewater. <i>Journal of Materials Chemistry A</i> ,	13	1