

# Li-Feng Fang

## List of Publications by Year in descending order

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71  
papers

2,319  
citations

147566

31  
h-index

233125

45  
g-index

71  
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71  
docs citations

71  
times ranked

2116  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel nanofiltration membrane prepared by amphiphilic random copolymer nanoparticles packing for high-efficiency biomolecules separation. <i>Chemical Engineering Journal</i> , 2022, 430, 132914.	6.6	8
2	A lithiated gel polymer electrolyte with superior interfacial performance for safe and long-life lithium metal battery. <i>Journal of Energy Chemistry</i> , 2021, 55, 313-322.	7.1	27
3	Antifouling and antibacterial behavior of membranes containing quaternary ammonium and zwitterionic polymers. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 225-235.	5.0	95
4	A well-designed polymer as a three-in-one multifunctional binder for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2970-2979.	5.2	16
5	Development of membranes with well-dispersed polyampholytic copolymer via a composite coagulation process. <i>Journal of Membrane Science</i> , 2021, 620, 118848.	4.1	10
6	Ionic Dendrimer Based Polyamide Membranes for Ion Separation. <i>ACS Nano</i> , 2021, 15, 7522-7535.	7.3	85
7	Antiviral amphiphilic membranes based on the organometallic compound for protein removal from wastewater with fouling-resistant. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	3
8	Construction of covalently-bonded tannic acid/polyhedral oligomeric silsesquioxanes nanochannel layer for antibiotics/salt separation. <i>Journal of Membrane Science</i> , 2021, 623, 119044.	4.1	17
9	Enhancing the antifouling property of polymeric membrane via surface charge regulation. <i>Journal of Colloid and Interface Science</i> , 2021, 593, 315-322.	5.0	25
10	Janus charged polyamide nanofilm with ultra-high separation selectivity for mono-/divalent ions. <i>Chemical Engineering Journal</i> , 2021, 416, 129023.	6.6	40
11	Cationic hyperbranched poly(amido-amine) engineered nanofiltration membrane for molecular separation. <i>Journal of Membrane Science</i> , 2021, 629, 119275.	4.1	14
12	In-situ crosslinked binder for high-stability S cathodes with greatly enhanced conduction and polysulfides anchoring. <i>Chemical Engineering Journal</i> , 2021, 426, 128705.	6.6	8
13	Surface charge control of poly(methyl methacrylate-co-dimethyl aminoethyl methacrylate)-based membrane for improved fouling resistance. <i>Separation and Purification Technology</i> , 2021, 279, 119778.	3.9	17
14	A novel negatively charged nanofiltration membrane with improved and stable rejection of Cr (VI) and phosphate under different pH conditions. <i>Journal of Membrane Science</i> , 2021, 639, 119756.	4.1	32
15	Membranes with negatively-charged nanochannels fabricated from aqueous sulfonated polysulfone nanoparticles for enhancing the rejection of divalent anions. <i>Journal of Membrane Science</i> , 2020, 602, 117692.	4.1	13
16	Construction of a stable zwitterionic layer on negatively-charged membrane via surface adsorption and cross-linking. <i>Journal of Membrane Science</i> , 2020, 597, 117766.	4.1	16
17	Fabrication of porous polyketone forward osmosis membranes modified with aromatic compounds: Improved pressure resistance and low structural parameter. <i>Separation and Purification Technology</i> , 2020, 251, 117400.	3.9	13
18	Integrating flexible PMIA separator and electrode for dealing with multi-aspect issues in Li-S batteries. <i>Electrochimica Acta</i> , 2020, 359, 136987.	2.6	13

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19	Copolymer-assisted Polypropylene Separator for Fast and Uniform Lithium Ion Transport in Lithium-ion Batteries. Chinese Journal of Polymer Science (English Edition), 2020, 38, 1313-1324.	2.0	13
20	Regulating the aggregation of anionic nanoparticles for size-tunable nanochannels. Journal of Membrane Science, 2020, 604, 118076.	4.1	3
21	Improved permeability and antifouling properties of polyvinyl chloride ultrafiltration membrane via blending sulfonated polysulfone. Journal of Colloid and Interface Science, 2020, 579, 562-572.	5.0	30
22	Electrosprayed polyamide nanofiltration membrane with intercalated structure for controllable structure manipulation and enhanced separation performance. Journal of Membrane Science, 2020, 602, 117971.	4.1	68
23	Polydopamine-coated poly(vinylidene fluoride) membranes with high ultraviolet resistance and antifouling properties for a photocatalytic membrane reactor. Journal of Applied Polymer Science, 2019, 136, 47312.	1.3	33
24	Mass transfer enhancement of hollow fiber membrane deoxygenation by Dean vortices. Journal of Zhejiang University: Science A, 2019, 20, 601-613.	1.3	1
25	Negatively-charged nanofiltration membrane and its hexavalent chromium removal performance. Journal of Colloid and Interface Science, 2019, 553, 475-483.	5.0	43
26	Electrostatic Adsorption Behavior of Zwitterionic Copolymers on Negatively Charged Surfaces. Langmuir, 2019, 35, 9152-9160.	1.6	13
27	Metal-organic composite membrane with sub-2 nm pores fabricated via interfacial coordination. Journal of Membrane Science, 2019, 587, 117146.	4.1	32
28	Antifouling Double-Skinned Forward Osmosis Membranes by Constructing Zwitterionic Brush-Decorated MWCNT Ultrathin Films. ACS Applied Materials & Interfaces, 2019, 11, 19462-19471.	4.0	30
29	Facile development of poly(tetrafluoride ethylene-r-vinylpyrrolidone) modified PVDF membrane with comprehensive antifouling property for highly-efficient challenging oil-in-water emulsions separation. Journal of Membrane Science, 2019, 584, 161-172.	4.1	40
30	A positively charged tight UF membrane and its properties for removing trace metal cations via electrostatic repulsion mechanism. Journal of Hazardous Materials, 2019, 373, 168-175.	6.5	42
31	Synergistic effects of organic and inorganic additives in preparation of composite poly(vinylidene fluoride) ultrafiltration membranes. Journal of Membrane Science, 2019, 584, 161-172.	1.3	13
32	pH-dependent property of carboxylate-based ultrafiltration membranes fabricated from poly(vinylidene fluoride) ultrafiltration membranes. Journal of Membrane Science, 2019, 584, 161-172.	1.3	5
33	A novel positively charged nanofiltration membrane formed via simultaneous cross-linking/quaternization of poly(m-phenylene isophthalamide)/polyethyleneimine blend membrane. Separation and Purification Technology, 2019, 212, 101-109.	3.9	49
34	Positively charged nanofiltration membrane based on cross-linked polyvinyl chloride copolymer. Journal of Membrane Science, 2019, 572, 28-37.	4.1	81
35	Pore size tailoring from ultrafiltration to nanofiltration with PVC-g-PDMA via rapid immersion thermal annealing. Journal of Membrane Science, 2019, 572, 401-409.	4.1	19
36	Effect of the supporting layer structures on antifouling properties of forward osmosis membranes in AL-DS mode. Journal of Membrane Science, 2018, 552, 265-273.	4.1	29

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37	Tailoring the surface pore size of hollow fiber membranes in the TIPS process. <i>Journal of Materials Chemistry A</i> , 2018, 6, 535-547.	5.2	54
38	Improving bonding strength between a hydrophilic coating layer and poly(ethylene terephthalate) braid for preparing mechanically stable braid-reinforced hollow fiber membranes. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46104.	1.3	22
39	Evaluating the Antifouling Properties of Poly(ether sulfone)/Sulfonated Poly(ether sulfone) Blend Membranes in a Full-Size Membrane Module. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 4430-4441.	1.8	18
40	Effect of polyphenol-polyamine treated polyethylene separator on the ionic conduction and interface properties for lithium-metal anode batteries. <i>Journal of Electroanalytical Chemistry</i> , 2018, 816, 68-74.	1.9	52
41	Development of antifouling poly(vinyl chloride) blend membranes by atom transfer radical polymerization. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45832.	1.3	14
42	Novel preparation and fundamental characterization of polyamide 6 self-supporting hollow fiber membranes via thermally induced phase separation (TIPS). <i>Journal of Membrane Science</i> , 2018, 546, 1-14.	4.1	58
43	Novel ultrafiltration membranes with excellent antifouling properties and chlorine resistance using a poly(vinyl chloride)-based copolymer. <i>Journal of Membrane Science</i> , 2018, 549, 101-110.	4.1	67
44	Tailoring both the surface pore size and sub-layer structures of PVDF membranes prepared by the TIPS process with a triple orifice spinneret. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20712-20724.	5.2	30
45	Fouling-Resistant and Self-Cleaning Aliphatic Polyketone Membrane for Sustainable Oil-Water Emulsion Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 44880-44889.	4.0	45
46	Development of High-Flux and Robust Reinforced Aliphatic Polyketone Thin-Film Composite Membranes for Osmotic Power Generation: Role of Reinforcing Materials. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 13528-13538.	1.8	12
47	One-step fabrication of polyamide 6 hollow fibre membrane using non-toxic diluents for organic solvent nanofiltration. <i>RSC Advances</i> , 2018, 8, 19879-19882.	1.7	20
48	Ultrathin nanofilm with tailored pore size fabricated by metal-phenolic network for precise and rapid molecular separation. <i>Separation and Purification Technology</i> , 2018, 207, 435-442.	3.9	35
49	Improved antifouling properties of membranes by simple introduction of zwitterionic copolymers via electrostatic adsorption. <i>Journal of Membrane Science</i> , 2018, 564, 672-681.	4.1	51
50	Dual Superlyophobic Aliphatic Polyketone Membranes for Highly Efficient Emulsified Oil-Water Separation: Performance and Mechanism. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30860-30870.	4.0	38
51	Improved antifouling properties of polyvinyl chloride blend membranes by novel phosphate based-zwitterionic polymer additive. <i>Journal of Membrane Science</i> , 2017, 528, 326-335.	4.1	84
52	Poly(vinylidene difluoride)/poly(tetrafluoroethylene-co-vinylpyrrolidone) blend membranes with antifouling properties. <i>Materials Science and Engineering C</i> , 2017, 75, 79-87.	3.8	10
53	Synthesis of sulfonyl fluorinated macro emulsifier for low surface energy emulsion polymerization application. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	4
54	Preparation of robust braid-reinforced poly(vinyl chloride) ultrafiltration hollow fiber membrane with antifouling surface and application to filtration of activated sludge solution. <i>Materials Science and Engineering C</i> , 2017, 77, 662-671.	3.8	24

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55	Effect of Molecular Weight of Sulfonated Poly(ether sulfone) (SPES) on the Mechanical Strength and Antifouling Properties of Poly(ether sulfone)/SPES Blend Membranes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 11302-11311.	1.8	20
56	Preparation of positively charged PVDF membranes with improved antibacterial activity by blending modification: Effect of change in membrane surface material properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 533, 133-139.	2.3	46
57	Structures and antifouling properties of poly(vinyl chloride)/poly(methyl methacrylate) membranes. <i>Journal of Membrane Science</i> , 2017, 524, 235-244.	4.1	85
58	Incorporating hyperbranched polyester into cross-linked polyamide layer to enhance both permeability and selectivity of nanofiltration membrane. <i>Journal of Membrane Science</i> , 2016, 518, 141-149.	4.1	51
59	Improving the antifouling property of poly(vinyl chloride) membranes by poly(vinyl methacrylate) grafting. <i>Journal of Membrane Science</i> , 2016, 518, 141-149.	1.3	16
60	Poly(N,N-dimethylaminoethyl methacrylate) grafted poly(vinyl chloride)s synthesized via ATRP process and their membranes for dye separation. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015, 33, 1491-1502.	2.0	22
61	Lithium ion conductive Li <sub>1.5</sub> Al <sub>0.5</sub> Ge <sub>1.5</sub> (PO <sub>4</sub> ) <sub>3</sub> based inorganic-organic composite separator with enhanced thermal stability and excellent electrochemical performances in 5ÅV lithium ion batteries. <i>Journal of Power Sources</i> , 2015, 273, 389-395.	4.0	50
62	Construction of porous coating layer and electrochemical performances of the corresponding modified polyethylene separators for lithium ion batteries. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	44
63	Improving the wettability and thermal resistance of polypropylene separators with a thin inorganic-organic hybrid layer stabilized by polydopamine for lithium ion batteries. <i>RSC Advances</i> , 2014, 4, 22501-22508.	1.7	40
64	Enhanced performance of modified HDPE separators generated from surface enrichment of polyether chains for lithium ion secondary battery. <i>Journal of Membrane Science</i> , 2013, 429, 355-363.	4.1	41
65	Facile introduction of polyether chains onto polypropylene separators and its application in lithium ion batteries. <i>Journal of Membrane Science</i> , 2013, 448, 143-150.	4.1	73
66	Effects of the extractant on the hydrophilicity and performance of high-density polyethylene/polyethylene glycol blend membranes prepared via a thermally induced phase separation process. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3816-3824.	1.3	8
67	Improved thermal and electrochemical performances of PMMA modified PE separator skeleton prepared via dopamine-initiated ATRP for lithium ion batteries. <i>Journal of Membrane Science</i> , 2013, 437, 160-168.	4.1	122
68	Improving the properties of HDPE based separators for lithium ion batteries by blending block with copolymer PE-b-PEG. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013, 31, 309-317.	2.0	16
69	Influences of extractant on the hydrophilicity and performances of HDPE/PE-g-PEG blend membranes prepared via thermally induced phase separation (TIPS) process. <i>Journal of Applied Polymer Science</i> , 2013, 130, 2680-2687.	1.3	3
70	Antifouling properties of poly(vinyl chloride) membranes modified by amphiphilic copolymers P(MMA-b-MAA). <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012, 30, 568-577.	2.0	39
71	Triblock copolymers of methyl methacrylate and vinyl pyrrolidone and their hydrophilization effects on poly(vinylidene fluoride) porous membranes. <i>Journal of Applied Polymer Science</i> , 2011, 119, 2953-2960.	1.3	9