Feng Yan

List of Publications by Year
in descending order

44 papers	868 citations	471509 17 h-index	501196 28 g-index
45 all docs	45 docs citations	45 times ranked	763 citing authors

#	Article	IF	Citations
1	Antibacterial and environmentally friendly chitosan/polyvinyl alcohol blend membranes for air filtration. Carbohydrate Polymers, 2018, 198, 241-248.	10.2	115
2	Environmentally-friendly halloysite nanotubes@chitosan/polyvinyl alcohol/non-woven fabric hybrid membranes with a uniform hierarchical porous structure for air filtration. Journal of Membrane Science, 2020, 594, 117445.	8.2	61
3	Compactness-tailored hollow fiber loose nanofiltration separation layers based on â€œchemical crosslinking and metal ion coordinationâ€•for selective dye separation. Journal of Membrane Science, 2021, 620, 118948.	8.2	59
4	Continuous esterification to produce biodiesel by SPES/PES/NWF composite catalytic membrane in flow-through membrane reactor: Experimental and kinetic studies. Bioresource Technology, 2013, 129, 100-107.	9.6	52
5	Preparation and Characterization of Polysulfone-graft-4â€²-aminobenzo-15-crown-5-ether for Lithium Isotope Separation. Industrial & Engineering Chemistry Research, 2015, 54, 3473-3479.	3.7	48
6	Ultrahigh-efficient separation of Mg2+/Li+ using an in-situ reconstructed positively charged nanofiltration membrane under an electric field. Journal of Membrane Science, 2022, 641, 119880.	8.2	44
7	Interfacial dilational properties of partly hydrolyzed polyacrylamide and gemini surfactant at the decaneâ€“water interface. Colloid and Polymer Science, 2008, 286, 1291-1297.	2.1	38
8	Recovery of phytosterols from waste residue of soybean oil deodorizer distillate. Bioresource Technology, 2010, 101, 1471-1476.	9.6	30
9	A highly-efficient lithium adsorptive separation membrane derived from a polyimide-containing dibenzo-14-crown-4 moiety. Separation and Purification Technology, 2020, 247, 116940.	7.9	26
10	In situ one-pot formation of crown ether functionalized polysulfone membranes for highly efficient lithium isotope adsorptive separation. European Polymer Journal, 2018, 109, 288-296.	5.4	25
11	Chitosan-graft-benzo-15-crown-5-ether/PVA Blend Membrane with Sponge-Like Pores for Lithium Isotope Adsorptive Separation. ACS Omega, 2018, 3, 554-561.	3.5	24
12	Polyvinyl alcohol-graft-benzo-15-crown-5 ether for lithium isotopes separation by liquidâ€“solid extraction. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 2061-2068.	1.5	23
13	Used lubricating oil recycling using a membrane filtration: Analysis of efficiency, structural and composing. Desalination and Water Treatment, 2009, 11, 73-80.	1.0	22
14	Polysulfone-graft-4â€²- aminobenzo-15-crown-5-ether based tandem membrane chromatography for efficient adsorptive separation of lithium isotopes. Journal of Chromatography A, 2019, 1602, 206-216.	3.7	22
15	An innovative auto-catalytic esterification for the production of phytosterol esters: experiment and kinetics. RSC Advances, 2014, 4, 64319-64327.	3.6	21
16	Preparation and characterization of a pH-responsive membrane carrier for meso-tetraphenylsulfonato porphyrin. RSC Advances, 2017, 7, 1687-1696.	3.6	19
17	A novel green biosorbent from chitosan modified by sodium phytate for copper (II) ion removal. Polymers for Advanced Technologies, 2018, 29, 285-293.	3.2	18
18	Preparation of Small-Pore Ultrafiltration Membranes with High Surface Porosity by In Situ CO₂ Nanobubble-Assisted NIPS. ACS Applied Materials & Interfaces, 2022, 14, 8633-8643.	8.0	17

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19	Formoxylbenzo-15-crown-5 ether functionalized PVA/NWF composite membrane for enhanced 7Li+ enrichment. Journal of the Taiwan Institute of Chemical Engineers, 2019, 97, 496-502.	5.3	16
20	Preparation of PSf-g-BN15C5/NWF composite membrane with sponge-like pore structure for lithium isotopes adsorptive separation. Journal of the Taiwan Institute of Chemical Engineers, 2018, 91, 507-516.	5.3	15
21	Preparation of polysulfone-graft-monoazabenzo-15-crown-5 ether porous membrane for lithium isotope separation. Journal of Radioanalytical and Nuclear Chemistry, 2018, 317, 111-119.	1.5	15
22	Monolayer porphyrin assembled SPSf/PES membrane reactor for degradation of dyes under visible light irradiation coupling with continuous filtrationâœ°. Journal of the Taiwan Institute of Chemical Engineers, 2020, 109, 62-70.	5.3	15
23	Demulsification and Interfacial Properties of Crosslinking Phenol-Amine Resin Block Polyether Demulsifiers. Journal of Dispersion Science and Technology, 2012, 33, 1674-1681.	2.4	14
24	Preparation of Crownâ€Etherâ€Functionalized Polysulfone Membrane by In Situ Surface Grafting for Selective Adsorption and Separation of Li⁺. ChemistrySelect, 2020, 5, 3321-3329.	1.5	14
25	Electrostatic Assembly of Porphyrin-Functionalized Porous Membrane toward Biomimetic Photocatalytic Degradation Dyes. ACS Omega, 2020, 5, 8707-8720.	3.5	13
26	Optimization of Phytosterols Recovery from Soybean Oil Deodorizer Distillate. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 1363-1370.	1.9	12
27	Construction of THPP-sg-PSf/TiO2 membrane as photocatalyst for enhanced photoinduced hydrogen evolution. Applied Surface Science, 2021, 566, 150667.	6.1	11
28	Synthesis of a Novel Asymmetric Gemini Surfactant and pH-controlled Vesicle Aggregation. Chemistry Letters, 2009, 38, 316-317.	1.3	10
29	Adsorption and wettability of extended anionic surfactants with different PO numbers on a polymethylmethacrylate surface. Soft Matter, 2021, 17, 6426-6434.	2.7	10
30	Deprotonation states of the two active site water molecules regulate the binding of protein phosphatase 5 with its substrate: A molecular dynamics study. Protein Science, 2017, 26, 2010-2020.	7.6	8
31	Trans and Cis Conformations of the Antihypertensive Drug Valsartan Respectively Lock the Inactive and Active-like States of Angiotensin II Type 1 Receptor: A Molecular Dynamics Study. Journal of Chemical Information and Modeling, 2018, 58, 2123-2130.	5.4	8
32	Molecular insights into the specific recognition between the RNA binding domain qRRM2 of hnRNP F and G-tract RNA: A molecular dynamics study. Biochemical and Biophysical Research Communications, 2017, 494, 95-100.	2.1	7
33	Wettability of a Polymethylmethacrylate Surface by Extended Anionic Surfactants: Effect of Branched Chains. Molecules, 2021, 26, 863.	3.8	7
34	Crown ether functionalized polysulfone membrane coupling with electric field for Li+selective separation. Journal of the Taiwan Institute of Chemical Engineers, 2021, , .	5.3	7
35	Enhanced UVâ€“vis photoinduced hydrogen evolution of metalloporphyrin sensitized PSf/TiO2 MMMs by varying center metal ion complexed in porphyrin. Fuel, 2022, 312, 122810.	6.4	7
36	Synthesis and Properties of Aromatic Side Chained Nâ€Acyltaurate Surfactants. Journal of Dispersion Science and Technology, 2008, 29, 387-396.	2.4	4

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37	Exploring the role of active site Mn2+ ions in the binding of protein phosphatase 5 with its substrate using molecular dynamics simulations. Biochemical and Biophysical Research Communications, 2019, 511, 612-618.	2.1	3
38	Synthesis and surface activity of a novel heterodouble chained N-acyltaurate amphiphile. Chinese Chemical Letters, 2007, 18, 1071-1074.	9.0	2
39	High-Efficiency Separation of Mg2+/Sr2+ through a NF Membrane under Electric Field. Membranes, 2022, 12, 57.	3.0	2
40	Adsorption and Micellization Properties of Novel Heterodoubleâ€Chained Nâ€Acyltaurate Surfactants. Journal of Dispersion Science and Technology, 2008, 29, 670-675.	2.4	1
41	Interfacial Dilational Properties of Novel Crosslinking Phenol-Amine Resin Block Polyether Demulsifiers at Decane-Water Interfaces. Applied Mechanics and Materials, 0, 148-149, 202-205.	0.2	1
42	Preparation of chitosan graft benzo-15-crown-5/non-woven fabric composite membrane for enhanced Pd²⁺ adsorptive separation. Separation Science and Technology, 2021, 56, 1140-1151.	2.5	1
43	Understanding the molecular mechanism of endothelin ETA receptor selecting isopeptides endothelin-1 and -3. Biophysical Journal, 2022, , .	0.5	1
44	Study of Influences of Fracture Additives on Stability of Crude Oil Emulsion. Open Petroleum Engineering Journal, 2018, 11, 118-128.	0.6	0