Sanchuan Yu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8692562/publications.pdf

Version: 2024-02-01

55	3,968	117625	155660
papers	citations	34 h-index	55 g-index

55	55	55	3277
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impacts of membrane properties on reactive dye removal from dye/salt mixtures by asymmetric cellulose acetate and composite polyamide nanofiltration membranes. Journal of Membrane Science, 2010, 350, 83-91.	8.2	207
2	High efficient removal of dyes from aqueous solution through nanofiltration using diethanolamine-modified polyamide thin-film composite membrane. Separation and Purification Technology, 2017, 173, 135-143.	7.9	200
3	High-flux composite hollow fiber nanofiltration membranes fabricated through layer-by-layer deposition of oppositely charged crosslinked polyelectrolytes for dye removal. Journal of Membrane Science, 2015, 492, 312-321.	8.2	175
4	Surface modification of thin film composite polyamide membranes by electrostatic self deposition of polycations for improved fouling resistance. Separation and Purification Technology, 2009, 66, 287-294.	7.9	171
5	Positively charged thin-film composite hollow fiber nanofiltration membrane for the removal of cationic dyes through submerged filtration. Desalination, 2013, 328, 42-50.	8.2	164
6	Thin-film composite membranes formed by interfacial polymerization with natural material sericin and trimesoyl chloride for nanofiltration. Journal of Membrane Science, 2014, 471, 381-391.	8.2	161
7	Improving fouling resistance and chlorine stability of aromatic polyamide thin-film composite RO membrane by surface grafting of polyvinyl alcohol (PVA). Desalination, 2015, 367, 11-20.	8.2	153
8	Thin film composite nanofiltration membranes assembled layer-by-layer via interfacial polymerization from polyethylenimine and trimesoyl chloride. Journal of Membrane Science, 2014, 472, 141-153.	8.2	152
9	Improving the water permeability and antifouling property of thin-film composite polyamide nanofiltration membrane by modifying the active layer with triethanolamine. Journal of Membrane Science, 2016, 513, 108-116.	8.2	147
10	Comparison of reverse osmosis and nanofiltration membranes in the treatment of biologically treated textile effluent for water reuse. Desalination, 2011, 281, 372-378.	8.2	138
11	Enhancing the performance of aromatic polyamide reverse osmosis membrane by surface modification via covalent attachment of polyvinyl alcohol (PVA). Journal of Membrane Science, 2016, 501, 209-219.	8.2	135
12	Surface modification of a commercial thin-film composite polyamide reverse osmosis membrane through graft polymerization of N-isopropylacrylamide followed by acrylic acid. Journal of Membrane Science, 2013, 447, 236-245.	8.2	120
13	Influence of the polyacyl chloride structure on the reverse osmosis performance, surface properties and chlorine stability of the thin-film composite polyamide membranes. Journal of Membrane Science, 2009, 326, 205-214.	8.2	119
14	Application of thin-film composite hollow fiber membrane to submerged nanofiltration of anionic dye aqueous solutions. Separation and Purification Technology, 2012, 88, 121-129.	7.9	119
15	Aromatic-cycloaliphatic polyamide thin-film composite membrane with improved chlorine resistance prepared from m-phenylenediamine-4-methyl and cyclohexane-1,3,5-tricarbonyl chloride. Journal of Membrane Science, 2009, 344, 155-164.	8.2	108
16	Surface modification of thin-film composite polyamide reverse osmosis membranes by coating N-isopropylacrylamide-co-acrylic acid copolymers for improved membrane properties. Journal of Membrane Science, 2011, 371, 293-306.	8.2	108
17	Preparation, structure characteristics and separation properties of thin-film composite polyamide-urethane seawater reverse osmosis membrane. Journal of Membrane Science, 2008, 325, 947-956.	8.2	107
18	Performance enhancement in interfacially synthesized thin-film composite polyamide-urethane reverse osmosis membrane for seawater desalination. Journal of Membrane Science, 2009, 342, 313-320.	8.2	93

#	Article	IF	Citations
19	Acid stable thin-film composite membrane for nanofiltration prepared from naphthalene-1,3,6-trisulfonylchloride (NTSC) and piperazine (PIP). Journal of Membrane Science, 2012, 415-416, 122-131.	8.2	90
20	Enhancing the permselectivity of thin-film composite poly(vinyl alcohol) (PVA) nanofiltration membrane by incorporating poly(sodium-p-styrene-sulfonate) (PSSNa). Journal of Membrane Science, 2014, 463, 173-182.	8.2	89
21	Thin-film composite polyamide reverse osmosis membranes with improved acid stability and chlorine resistance by coating N-isopropylacrylamide-co-acrylamide copolymers. Desalination, 2011, 270, 248-257.	8.2	88
22	Enhanced both perm-selectivity and fouling resistance of poly(piperazine-amide) nanofiltration membrane by incorporating sericin as a co-reactant of aqueous phase. Journal of Membrane Science, 2017, 523, 282-290.	8.2	83
23	Thin-film composite membrane formed by interfacial polymerization of polyvinylamine (PVAm) and trimesoyl chloride (TMC) for nanofiltration. Desalination, 2012, 288, 98-107.	8.2	81
24	Improving fouling resistance of thin-film composite polyamide reverse osmosis membrane by coating natural hydrophilic polymer sericin. Separation and Purification Technology, 2013, 118, 285-293.	7.9	81
25	Color removal and COD reduction of biologically treated textile effluent through submerged filtration using hollow fiber nanofiltration membrane. Desalination, 2013, 314, 89-95.	8.2	77
26	Modification of aromatic polyamide thin-film composite reverse osmosis membranes by surface coating of thermo-responsive copolymers P(NIPAM-co-Am). I: Preparation and characterization. Journal of Membrane Science, 2010, 352, 76-85.	8.2	69
27	Thin film composite nanofiltration membranes fabricated from polymeric amine polyethylenimine imbedded with monomeric amine piperazine for enhanced salt separations. Reactive and Functional Polymers, 2015, 86, 168-183.	4.1	67
28	Separation and antifouling properties of hydrolyzed PAN hybrid membranes prepared via in-situ sol-gel SiO2 nanoparticles growth. Journal of Membrane Science, 2018, 545, 250-258.	8.2	52
29	Composite nanofiltration membrane with asymmetric selective separation layer for enhanced separation efficiency to anionic dye aqueous solution. Journal of Hazardous Materials, 2019, 368, 436-443.	12.4	49
30	Facile modification of polypropylene hollow fiber microfiltration membranes for nanofiltration. Desalination, 2012, 298, 49-58.	8.2	48
31	Surface mineralization of commercial thin-film composite polyamide membrane by depositing barium sulfate for improved reverse osmosis performance and antifouling property. Desalination, 2014, 351, 228-235.	8.2	43
32	Cellulose acetate hollow fiber nanofiltration membrane with improved permselectivity prepared through hydrolysis followed by carboxymethylation. Journal of Membrane Science, 2013, 434, 44-54.	8.2	42
33	Preparation and characterization of polyamide-urethane thin-film composite membranes. Desalination, 2005, 180, 189-196.	8.2	38
34	Submerged nanofiltration of biologically treated molasses fermentation wastewater for the removal of melanoidins. Chemical Engineering Journal, 2013, 223, 388-394.	12.7	36
35	Polyamide thin-film composite membrane fabricated through interfacial polymerization coupled with surface amidation for improved reverse osmosis performance. Journal of Membrane Science, 2018, 566, 87-95.	8.2	36
36	Efficient removal of anionic dye by constructing thin-film composite membrane with high perm-selectivity and improved anti-dye-deposition property. Desalination, 2020, 476, 114228.	8.2	31

#	Article	IF	Citations
37	Composite reverse osmosis membrane with a selective separation layer of double-layer structure for enhanced desalination, anti-fouling and durability properties. Desalination, 2021, 499, 114838.	8.2	30
38	Comparative study on the treatment of raw and biologically treated textile effluents through submerged nanofiltration. Journal of Hazardous Materials, 2015, 284, 121-129.	12.4	29
39	A combined interfacial polymerization and in-situ sol-gel strategy to construct composite nanofiltration membrane with improved pore size distribution and anti-protein-fouling property. Journal of Membrane Science, 2021, 623, 119097.	8.2	27
40	Depositing sericin on partially degraded polyamide reverse osmosis membrane for restored salt rejection and simultaneously enhanced resistance to both fouling and chlorine. Journal of Membrane Science, 2018, 545, 196-203.	8.2	23
41	Intensified cleaning of organic-fouled reverse osmosis membranes by thermo-responsive polymer (TRP). Journal of Membrane Science, 2012, 392-393, 181-191.	8.2	22
42	Improved separation performance and durability of polyamide reverse osmosis membrane in tertiary treatment of textile effluent through grafting monomethoxy-poly(ethylene glycol) brushes. Separation and Purification Technology, 2019, 209, 443-451.	7.9	22
43	Carbodiimide-assisted zwitterionic modification of poly(piperazine amide) thin-film composite membrane for enhanced separation and anti-depositing performances to cationic/anionic dye aqueous solutions. Journal of Hazardous Materials, 2020, 396, 122582.	12.4	21
44	Impact of manufacture technique on seawater desalination performance of thin-film composite polyamide-urethane reverse osmosis membranes and their spiral wound elements. Journal of Membrane Science, 2010, 348, 268-276.	8.2	19
45	Separation and anti-dye-deposition properties of polyamide thin-film composite membrane modified via surface tertiary amination followed by zwitterionic functionalization. Journal of Membrane Science, 2020, 604, 118063.	8.2	18
46	Removal of reactive dye from textile effluent through submerged filtration using hollow fiber composite nanofiltlration membrane. Desalination and Water Treatment, 2013, 51, 6101-6109.	1.0	16
47	Improved separation efficiency of polyamide-based composite nanofiltration membrane by surface modification using 3-aminopropyltriethoxysilane. Separation and Purification Technology, 2021, 274, 119142.	7.9	16
48	Modification of polysulfone ultrafiltration membrane by sequential deposition of cross-linked poly(vinyl alcohol) (PVA) and sodium carboxymethyl cellulose (CMCNa) for nanofiltration. Desalination and Water Treatment, 2016, 57, 17658-17669.	1.0	9
49	Bulk cross-linked hydroxyethyl cellulose-silica composite membrane for acid-stable nanofiltration. Journal of Membrane Science, 2022, 648, 120389.	8.2	9
50	Cross-flow deposited hydroxyethyl cellulose (HEC)/polypropylene (PP) thin-film composite membrane for aqueous and non-aqueous nanofiltration. Chemical Engineering Research and Design, 2020, 153, 572-581.	5.6	7
51	Pore size regulation of polyamide composite membrane via a sol-gel process confined within the selective layer. Journal of Membrane Science, 2022, 655, 120581.	8.2	7
52	Thin film composite polyesteramide nanofiltration membranes fabricated from carboxylated chitosan and trimesoyl chloride. Korean Journal of Chemical Engineering, 2020, 37, 307-321.	2.7	5
53	Environmentally Friendly Efficient One-Pot Electrochemical Synthesis of 2,4-Dimethylanisole by Selective Oxidation ofm-Xylene in Methanol with Metals Promoted Sulfated Zirconia. Industrial & Engineering Chemistry Research, 2011, 50, 13650-13654.	3.7	4
54	Separation efficiency and stability of thin-film composite nanofiltration membranes in long-term filtration of copper sulphate and sulphuric acid mixture. Desalination and Water Treatment, 2015, 53, 1822-1833.	1.0	4

#	Article	IF	Citations
55	Tailoring interfacially polymerized thin-film composite polyesteramide nanofiltration membranes based on carboxylated chitosan and trimesoyl chloride for salt separation. Chemical Engineering Research and Design, 2022, 181, 399-411.	5.6	3