

Sanchuan Yu

List of Publications by Year in descending order

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55
papers

3,968
citations

117453

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155451

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docs citations

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times ranked

3277
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring interfacially polymerized thin-film composite polyesteramide nanofiltration membranes based on carboxylated chitosan and trimesoyl chloride for salt separation. <i>Chemical Engineering Research and Design</i> , 2022, 181, 399-411.	2.7	3
2	Bulk cross-linked hydroxyethyl cellulose-silica composite membrane for acid-stable nanofiltration. <i>Journal of Membrane Science</i> , 2022, 648, 120389.	4.1	9
3	Pore size regulation of polyamide composite membrane via a sol-gel process confined within the selective layer. <i>Journal of Membrane Science</i> , 2022, 655, 120581.	4.1	7
4	Composite reverse osmosis membrane with a selective separation layer of double-layer structure for enhanced desalination, anti-fouling and durability properties. <i>Desalination</i> , 2021, 499, 114838.	4.0	30
5	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. <i>Journal of Membrane Science</i> , 2021, 623, 119097.	4.1	27
6	Improved separation efficiency of polyamide-based composite nanofiltration membrane by surface modification using 3-aminopropyltriethoxysilane. <i>Separation and Purification Technology</i> , 2021, 274, 119142.	3.9	16
7	Cross-flow deposited hydroxyethyl cellulose (HEC)/polypropylene (PP) thin-film composite membrane for aqueous and non-aqueous nanofiltration. <i>Chemical Engineering Research and Design</i> , 2020, 153, 572-581.	2.7	7
8	Efficient removal of anionic dye by constructing thin-film composite membrane with high perm-selectivity and improved anti-dye-deposition property. <i>Desalination</i> , 2020, 476, 114228.	4.0	31
9	Separation and anti-dye-deposition properties of polyamide thin-film composite membrane modified via surface tertiary amination followed by zwitterionic functionalization. <i>Journal of Membrane Science</i> , 2020, 604, 118063.	4.1	18
10	Thin film composite polyesteramide nanofiltration membranes fabricated from carboxylated chitosan and trimesoyl chloride. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 307-321.	1.2	5
11	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. <i>Journal of Hazardous Materials</i> , 2020, 396, 122582.	6.5	21
12	Improved separation performance and durability of polyamide reverse osmosis membrane in tertiary treatment of textile effluent through grafting monomethoxy-poly(ethylene glycol) brushes. <i>Separation and Purification Technology</i> , 2019, 209, 443-451.	3.9	22
13	Composite nanofiltration membrane with asymmetric selective separation layer for enhanced separation efficiency to anionic dye aqueous solution. <i>Journal of Hazardous Materials</i> , 2019, 368, 436-443.	6.5	49
14	Separation and antifouling properties of hydrolyzed PAN hybrid membranes prepared via in-situ sol-gel SiO ₂ nanoparticles growth. <i>Journal of Membrane Science</i> , 2018, 545, 250-258.	4.1	52
15	Depositing sericin on partially degraded polyamide reverse osmosis membrane for restored salt rejection and simultaneously enhanced resistance to both fouling and chlorine. <i>Journal of Membrane Science</i> , 2018, 545, 196-203.	4.1	23
16	Polyamide thin-film composite membrane fabricated through interfacial polymerization coupled with surface amidation for improved reverse osmosis performance. <i>Journal of Membrane Science</i> , 2018, 566, 87-95.	4.1	36
17	Enhanced both perm-selectivity and fouling resistance of poly(piperazine-amide) nanofiltration membrane by incorporating sericin as a co-reactant of aqueous phase. <i>Journal of Membrane Science</i> , 2017, 523, 282-290.	4.1	83
18	High efficient removal of dyes from aqueous solution through nanofiltration using diethanolamine-modified polyamide thin-film composite membrane. <i>Separation and Purification Technology</i> , 2017, 173, 135-143.	3.9	200

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19	Improving the water permeability and antifouling property of thin-film composite polyamide nanofiltration membrane by modifying the active layer with triethanolamine. <i>Journal of Membrane Science</i> , 2016, 513, 108-116.	4.1	147
20	Enhancing the performance of aromatic polyamide reverse osmosis membrane by surface modification via covalent attachment of polyvinyl alcohol (PVA). <i>Journal of Membrane Science</i> , 2016, 501, 209-219.	4.1	135
21	Modification of polysulfone ultrafiltration membrane by sequential deposition of cross-linked poly(vinyl alcohol) (PVA) and sodium carboxymethyl cellulose (CMCNa) for nanofiltration. <i>Desalination and Water Treatment</i> , 2016, 57, 17658-17669.	1.0	9
22	High-flux composite hollow fiber nanofiltration membranes fabricated through layer-by-layer deposition of oppositely charged crosslinked polyelectrolytes for dye removal. <i>Journal of Membrane Science</i> , 2015, 492, 312-321.	4.1	175
23	Separation efficiency and stability of thin-film composite nanofiltration membranes in long-term filtration of copper sulphate and sulphuric acid mixture. <i>Desalination and Water Treatment</i> , 2015, 53, 1822-1833.	1.0	4
24	Improving fouling resistance and chlorine stability of aromatic polyamide thin-film composite RO membrane by surface grafting of polyvinyl alcohol (PVA). <i>Desalination</i> , 2015, 367, 11-20.	4.0	153
25	Comparative study on the treatment of raw and biologically treated textile effluents through submerged nanofiltration. <i>Journal of Hazardous Materials</i> , 2015, 284, 121-129.	6.5	29
26	Thin film composite nanofiltration membranes fabricated from polymeric amine polyethylenimine imbedded with monomeric amine piperazine for enhanced salt separations. <i>Reactive and Functional Polymers</i> , 2015, 86, 168-183.	2.0	67
27	Enhancing the permselectivity of thin-film composite poly(vinyl alcohol) (PVA) nanofiltration membrane by incorporating poly(sodium-p-styrene-sulfonate) (PSSNa). <i>Journal of Membrane Science</i> , 2014, 463, 173-182.	4.1	89
28	Surface mineralization of commercial thin-film composite polyamide membrane by depositing barium sulfate for improved reverse osmosis performance and antifouling property. <i>Desalination</i> , 2014, 351, 228-235.	4.0	43
29	Thin film composite nanofiltration membranes assembled layer-by-layer via interfacial polymerization from polyethylenimine and trimesoyl chloride. <i>Journal of Membrane Science</i> , 2014, 472, 141-153.	4.1	152
30	Thin-film composite membranes formed by interfacial polymerization with natural material sericin and trimesoyl chloride for nanofiltration. <i>Journal of Membrane Science</i> , 2014, 471, 381-391.	4.1	161
31	Surface modification of a commercial thin-film composite polyamide reverse osmosis membrane through graft polymerization of N-isopropylacrylamide followed by acrylic acid. <i>Journal of Membrane Science</i> , 2013, 447, 236-245.	4.1	120
32	Positively charged thin-film composite hollow fiber nanofiltration membrane for the removal of cationic dyes through submerged filtration. <i>Desalination</i> , 2013, 328, 42-50.	4.0	164
33	Improving fouling resistance of thin-film composite polyamide reverse osmosis membrane by coating natural hydrophilic polymer sericin. <i>Separation and Purification Technology</i> , 2013, 118, 285-293.	3.9	81
34	Submerged nanofiltration of biologically treated molasses fermentation wastewater for the removal of melanoidins. <i>Chemical Engineering Journal</i> , 2013, 223, 388-394.	6.6	36
35	Cellulose acetate hollow fiber nanofiltration membrane with improved permselectivity prepared through hydrolysis followed by carboxymethylation. <i>Journal of Membrane Science</i> , 2013, 434, 44-54.	4.1	42
36	Color removal and COD reduction of biologically treated textile effluent through submerged filtration using hollow fiber nanofiltration membrane. <i>Desalination</i> , 2013, 314, 89-95.	4.0	77

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37	Removal of reactive dye from textile effluent through submerged filtration using hollow fiber composite nanofiltration membrane. <i>Desalination and Water Treatment</i> , 2013, 51, 6101-6109.	1.0	16
38	Acid stable thin-film composite membrane for nanofiltration prepared from naphthalene-1,3,6-trisulfonylchloride (NTSC) and piperazine (PIP). <i>Journal of Membrane Science</i> , 2012, 415-416, 122-131.	4.1	90
39	Facile modification of polypropylene hollow fiber microfiltration membranes for nanofiltration. <i>Desalination</i> , 2012, 298, 49-58.	4.0	48
40	Thin-film composite membrane formed by interfacial polymerization of polyvinylamine (PVAm) and trimesoyl chloride (TMC) for nanofiltration. <i>Desalination</i> , 2012, 288, 98-107.	4.0	81
41	Application of thin-film composite hollow fiber membrane to submerged nanofiltration of anionic dye aqueous solutions. <i>Separation and Purification Technology</i> , 2012, 88, 121-129.	3.9	119
42	Intensified cleaning of organic-fouled reverse osmosis membranes by thermo-responsive polymer (TRP). <i>Journal of Membrane Science</i> , 2012, 392-393, 181-191.	4.1	22
43	Environmentally Friendly Efficient One-Pot Electrochemical Synthesis of 2,4-Dimethylanisole by Selective Oxidation of m-Xylene in Methanol with Metals Promoted Sulfated Zirconia. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 13650-13654.	1.8	4
44	Comparison of reverse osmosis and nanofiltration membranes in the treatment of biologically treated textile effluent for water reuse. <i>Desalination</i> , 2011, 281, 372-378.	4.0	138
45	Thin-film composite polyamide reverse osmosis membranes with improved acid stability and chlorine resistance by coating N-isopropylacrylamide-co-acrylamide copolymers. <i>Desalination</i> , 2011, 270, 248-257.	4.0	88
46	Surface modification of thin-film composite polyamide reverse osmosis membranes by coating N-isopropylacrylamide-co-acrylic acid copolymers for improved membrane properties. <i>Journal of Membrane Science</i> , 2011, 371, 293-306.	4.1	108
47	Impact of manufacture technique on seawater desalination performance of thin-film composite polyamide-urethane reverse osmosis membranes and their spiral wound elements. <i>Journal of Membrane Science</i> , 2010, 348, 268-276.	4.1	19
48	Impacts of membrane properties on reactive dye removal from dye/salt mixtures by asymmetric cellulose acetate and composite polyamide nanofiltration membranes. <i>Journal of Membrane Science</i> , 2010, 350, 83-91.	4.1	207
49	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. <i>Journal of Membrane Science</i> , 2010, 352, 76-85.	4.1	69
50	Aromatic-cycloaliphatic polyamide thin-film composite membrane with improved chlorine resistance prepared from m-phenylenediamine-4-methyl and cyclohexane-1,3,5-tricarbonyl chloride. <i>Journal of Membrane Science</i> , 2009, 344, 155-164.	4.1	108
51	Performance enhancement in interfacially synthesized thin-film composite polyamide-urethane reverse osmosis membrane for seawater desalination. <i>Journal of Membrane Science</i> , 2009, 342, 313-320.	4.1	93
52	Influence of the polyacyl chloride structure on the reverse osmosis performance, surface properties and chlorine stability of the thin-film composite polyamide membranes. <i>Journal of Membrane Science</i> , 2009, 326, 205-214.	4.1	119
53	Surface modification of thin film composite polyamide membranes by electrostatic self deposition of polycations for improved fouling resistance. <i>Separation and Purification Technology</i> , 2009, 66, 287-294.	3.9	171
54	Preparation, structure characteristics and separation properties of thin-film composite polyamide-urethane seawater reverse osmosis membrane. <i>Journal of Membrane Science</i> , 2008, 325, 947-956.	4.1	107

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55	Preparation and characterization of polyamide-urethane thin-film composite membranes. Desalination, 2005, 180, 189-196.	4.0	38