

Marek Gryta

List of Publications by Year in descending order

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91
papers

4,228
citations

159525

30
h-index

114418

63
g-index

91
all docs

91
docs citations

91
times ranked

2474
citing authors

#	ARTICLE	IF	CITATIONS
1	A new submerged photocatalytic membrane reactor based on membrane distillation for ketoprofen removal from various aqueous matrices. <i>Chemical Engineering Journal</i> , 2022, 435, 134872.	6.6	11
2	The Application of Open Capillary Modules for Sweeping Gas Membrane Distillation. <i>Energies</i> , 2022, 15, 1454.	1.6	1
3	The Impact of Operational Parameters on Polypropylene Membrane Performance during the Separation of Oily Saline Wastewaters by the Membrane Distillation Process. <i>Membranes</i> , 2022, 12, 351.	1.4	5
4	Energy-Efficient AnMBRs Technology for Treatment of Wastewaters: A Review. <i>Energies</i> , 2022, 15, 4981.	1.6	9
5	Application of ultrafiltration ceramic membrane for separation of oily wastewater generated by maritime transportation. <i>Separation and Purification Technology</i> , 2021, 261, 118259.	3.9	53
6	Application of Capillary Polypropylene Membranes for Microfiltration of Oily Wastewaters: Experiments and Modeling. <i>Fibers</i> , 2021, 9, 35.	1.8	8
7	Surface modification of polypropylene membrane by helium plasma treatment for membrane distillation. <i>Journal of Membrane Science</i> , 2021, 628, 119265.	4.1	27
8	Stability of Ar/O ₂ Plasma-Treated Polypropylene Membranes Applied for Membrane Distillation. <i>Membranes</i> , 2021, 11, 531.	1.4	9
9	Resistance of Polypropylene Membrane to Oil Fouling during Membrane Distillation. <i>Membranes</i> , 2021, 11, 552.	1.4	12
10	Membrane cleaning and pretreatments in membrane distillation – a review. <i>Chemical Engineering Journal</i> , 2021, 422, 129696.	6.6	108
11	Application of polypropylene membranes hydrophilized by plasma for water desalination by membrane distillation. <i>Desalination</i> , 2021, 515, 115187.	4.0	24
12	Comparison of Polypropylene and Ceramic Microfiltration Membranes Applied for Separation of 1,3-PD Fermentation Broths and <i>Saccharomyces cerevisiae</i> Yeast Suspensions. <i>Membranes</i> , 2021, 11, 44.	1.4	19
13	The Use of NaOH Solutions for Fouling Control in a Membrane Bioreactor: A Feasibility Study. <i>Membranes</i> , 2021, 11, 887.	1.4	8
14	Membrane Distillation of Saline Water Contaminated with Oil and Surfactants. <i>Membranes</i> , 2021, 11, 988.	1.4	7
15	Bilge water separation by membrane distillation. <i>Separation and Purification Technology</i> , 2020, 237, 116332.	3.9	13
16	Clarification of 1,3-Propanediol Fermentation Broths by Using a Ceramic Fine UF Membrane. <i>Membranes</i> , 2020, 10, 319.	1.4	14
17	Mitigation of Membrane Wetting by Applying a Low Temperature Membrane Distillation. <i>Membranes</i> , 2020, 10, 158.	1.4	11
18	Separation of saline oily wastewater by membrane distillation. <i>Chemical Papers</i> , 2020, 74, 2277-2286.	1.0	24

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19	The Application of Submerged Modules for Membrane Distillation. <i>Membranes</i> , 2020, 10, 25.	1.4	15
20	Cross-Flow Microfiltration of Glycerol Fermentation Broths with <i>Citrobacter freundii</i> . <i>Membranes</i> , 2020, 10, 67.	1.4	13
21	Capillary Polypropylene Membranes for Membrane Distillation. <i>Fibers</i> , 2019, 7, 1.	1.8	38
22	The Influence of Talc Addition on the Performance of Polypropylene Membranes Formed by TIPS Method. <i>Membranes</i> , 2019, 9, 63.	1.4	7
23	Studies of membrane scaling during water desalination by membrane distillation. <i>Chemical Papers</i> , 2019, 73, 591-600.	1.0	11
24	The long-term studies of osmotic membrane distillation. <i>Chemical Papers</i> , 2018, 72, 99-107.	1.0	14
25	The effect of unfavourable process conditions on the water desalination by membrane distillation. , 2018, 128, 1-10.		5
26	Water Demineralization by Membrane Distillation Utilizing Cooling Water From Municipal Waste Incinerator. <i>Polish Journal of Chemical Technology</i> , 2018, 20, 65-74.	0.3	1
27	The application of ultrafiltration for treatment of ships generated oily wastewater. <i>Chemical Papers</i> , 2017, 71, 1165-1173.	1.0	15
28	The application of polypropylene membranes for production of fresh water from brines by membrane distillation. <i>Chemical Papers</i> , 2017, 71, 775-784.	1.0	16
29	Degradation of Polypropylene Membranes Applied in Membrane Distillation Crystallizer. <i>Crystals</i> , 2016, 6, 33.	1.0	9
30	The study of performance of polyethylene chlorinetrifluoroethylene membranes used for brine desalination by membrane distillation. <i>Desalination</i> , 2016, 398, 52-63.	4.0	35
31	Study of NaCl permeability through a non-porous polypropylene film. <i>Journal of Membrane Science</i> , 2016, 504, 66-74.	4.1	8
32	The ultrafiltration ceramic membrane used for broth separation in membrane bioreactor. <i>Chemical Engineering Journal</i> , 2016, 305, 129-135.	6.6	29
33	Application of vacuum membrane distillation for concentration of organic solutionsâ€¦. <i>Chemical Papers</i> , 2016, 70, .	1.0	8
34	Application of nanofiltration for production of 1,3-propanediol in membrane bioreactor. <i>Catalysis Today</i> , 2016, 268, 164-170.	2.2	11
35	Studies of polypropylene membrane fouling during microfiltration of broth with <i>Citrobacter freundii</i> bacteria. <i>Polish Journal of Chemical Technology</i> , 2015, 17, 56-64.	0.3	4
36	Water desalination using membrane distillation with acidic stabilization of scaling layer thickness. <i>Desalination</i> , 2015, 365, 160-166.	4.0	18

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37	Microfiltration of post-fermentation broth with backflushing membrane cleaning. Chemical Papers, 2015, 69, .	1.0	12
38	Separation of post-fermentation glycerol solution by nanofiltration membrane distillation system. Desalination and Water Treatment, 2015, 53, 319-329.	1.0	11
39	The study of glycerol-based fermentation and broth downstream by nanofiltration. Polish Journal of Chemical Technology, 2014, 16, 117-122.	0.3	8
40	Fouling of nanofiltration membranes used for separation of fermented glycerol solutions. Chemical Papers, 2014, 68, .	1.0	21
41	The concentration of geothermal brines with iodine content by membrane distillation. Desalination, 2013, 325, 16-24.	4.0	27
42	Treatment of effluents from a membrane bioreactor by nanofiltration using tubular membranes. Chemical Papers, 2013, 67, .	1.0	6
43	Effect of flow-rate on ethanol separation in membrane distillation process. Chemical Papers, 2013, 67, .	1.0	8
44	The study of membrane distillation used for separation of fermenting glycerol solutions. Journal of Membrane Science, 2013, 431, 1-8.	4.1	39
45	The application of ultrafiltration for separation of glycerol solution fermented by bacteria. Polish Journal of Chemical Technology, 2013, 15, 115-120.	0.3	16
46	Osmotic membrane distillation with continuous regeneration of stripping solution by natural evaporation. Membrane Water Treatment, 2013, 4, 223-236.	0.5	1
47	Evaluation of fouling potential of nanofiltration membranes based on the dynamic contact angle measurements. Polish Journal of Chemical Technology, 2012, 14, 97-104.	0.3	18
48	Effectiveness of Water Desalination by Membrane Distillation Process. Membranes, 2012, 2, 415-429.	1.4	79
49	Desalination of Industrial Effluents Using Integrated Membrane Processes. , 2012, , .		0
50	Ethanol production in a bioreactor with an integrated membrane distillation module. Chemical Papers, 2012, 66, .	1.0	25
51	Wettability of polypropylene capillary membranes during the membrane distillation process. Chemical Papers, 2012, 66, .	1.0	30
52	Polyphosphates used for membrane scaling inhibition during water desalination by membrane distillation. Desalination, 2012, 285, 170-176.	4.0	81
53	The influence of magnetic water treatment on CaCO ₃ scale formation in membrane distillation process. Separation and Purification Technology, 2011, 80, 293-299.	3.9	71
54	Separation of volatile compounds from fermentation broth by membrane distillation. Polish Journal of Chemical Technology, 2011, 13, 56-60.	0.3	18

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55	Influence of morphology of PVDF capillary membranes on the performance of direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2010, 358, 158-167.	4.1	119
56	Desalination of thermally softened water by membrane distillation process. <i>Desalination</i> , 2010, 257, 30-35.	4.0	67
57	Application of membrane distillation process for tap water purification. <i>Membrane Water Treatment</i> , 2010, 1, 1-12.	0.5	22
58	Calcium sulphate scaling in membrane distillation process. <i>Chemical Papers</i> , 2009, 63, .	1.0	88
59	Membrane processes used for separation of effluents from wire productions. <i>Chemical Papers</i> , 2009, 63, .	1.0	9
60	Scaling diminution by heterogeneous crystallization in a filtration element integrated with membrane distillation module. <i>Polish Journal of Chemical Technology</i> , 2009, 11, 60-65.	0.3	20
61	Fouling in direct contact membrane distillation process. <i>Journal of Membrane Science</i> , 2008, 325, 383-394.	4.1	379
62	Alkaline scaling in the membrane distillation process. <i>Desalination</i> , 2008, 228, 128-134.	4.0	105
63	Hydrophobic PVDF hollow fiber membranes with narrow pore size distribution and ultra-thin skin for the fresh water production through membrane distillation. <i>Chemical Engineering Science</i> , 2008, 63, 2587-2594.	1.9	250
64	Chemical pretreatment of feed water for membrane distillation. <i>Chemical Papers</i> , 2008, 62, .	1.0	18
65	Environmental fracture of polypropylene membranes used in membrane distillation process. <i>Polimery</i> , 2008, 53, 865-870.	0.4	7
66	Concentration of FeSO ₄ spent solutions by membrane distillation. <i>Polish Journal of Chemical Technology</i> , 2007, 9, 15-18.	0.3	2
67	Effect of iron oxides scaling on the MD process performance. <i>Desalination</i> , 2007, 216, 88-102.	4.0	69
68	Influence of polypropylene membrane surface porosity on the performance of membrane distillation process. <i>Journal of Membrane Science</i> , 2007, 287, 67-78.	4.1	251
69	Separation of effluents from regeneration of a cation exchanger by membrane distillation. <i>Desalination</i> , 2006, 197, 50-62.	4.0	6
70	Demineralization of water using a combination of MD and NF(RO). <i>Desalination</i> , 2006, 200, 451-452.	4.0	6
71	Wastewater treatment by membrane distillation. <i>Desalination</i> , 2006, 198, 67-73.	4.0	163
72	Water Purification by Membrane Distillation Process. <i>Separation Science and Technology</i> , 2006, 41, 1789-1798.	1.3	33

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73	Osmotic MD and other membrane distillation variants. Journal of Membrane Science, 2005, 246, 145-156.	4.1	96
74	Treatment of effluents from the regeneration of ion exchangers using the MD process. Desalination, 2005, 180, 173-180.	4.0	26
75	Water demineralisation by NF/MD integrated processes. Desalination, 2005, 177, 109-119.	4.0	104
76	CONCENTRATION OF NaCl SOLUTION BY MEMBRANE DISTILLATION INTEGRATED WITH CRYSTALLIZATION. Separation Science and Technology, 2002, 37, 3535-3558.	1.3	130
77	The assessment of microorganism growth in the membrane distillation system. Desalination, 2002, 142, 79-88.	4.0	96
78	Membrane processes used for potable water quality improvement. Desalination, 2002, 145, 315-319.	4.0	75
79	Purification of oily wastewater by hybrid UF/MD. Water Research, 2001, 35, 3665-3669.	5.3	158
80	Membrane distillation of NaCl solution containing natural organic matter. Journal of Membrane Science, 2001, 181, 279-287.	4.1	168
81	Pilot plant studies on the removal of trihalomethanes by composite reverse osmosis membranes. Desalination, 2001, 140, 227-234.	4.0	12
82	The fermentation process integrated with membrane distillation. Separation and Purification Technology, 2001, 24, 283-296.	3.9	65
83	Concentration of saline wastewater from the production of heparin. Desalination, 2000, 129, 35-44.	4.0	45
84	Mass transfer of HCl and H ₂ O across the hydrophobic membrane during membrane distillation. Journal of Membrane Science, 2000, 166, 149-157.	4.1	79
85	Ethanol production in membrane distillation bioreactor. Catalysis Today, 2000, 56, 159-165.	2.2	97
86	Heat transport in the membrane distillation process. Journal of Membrane Science, 1998, 144, 211-222.	4.1	201
87	Study on the concentration of acids by membrane distillation. Journal of Membrane Science, 1995, 102, 113-122.	4.1	144
88	A study of separation by the direct-contact membrane distillation process. Separation and Purification Technology, 1994, 4, 244-248.	0.7	15
89	Water Desalination by Membrane Distillation. , 0, , .		7
90	Influence of inorganic fillers on the degradation of polypropylene membranes during membrane distillation. , 0, 214, 16-30.		2

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91	Investigations of a membrane distillation pilot plant with a capillary module. , 0, 64, 279-286.		3