Wojciech Kujawski

List of Publications by Year in Descending Order

180 papers	4,698 citations	38 h-index	59 g-index
188 ext. papers	5,491 ext. citations	7.2 avg, IF	6.16 L-index

#	Paper	IF	Citations
180	Impact of Wastewater Spreading on Properties of Tunisian Soil under Arid Climate. *Sustainability*, **2022**, 14, 3177	3.6	2
179	Fabrication of Polyamide-6 Membranes-The Effect of Gelation Time towards Their Morphological, Physical and Transport Properties.. *Membranes*, **2022**, 12,	3.8	1
178	Evaluation of CO2 separation performance with enhanced features of materials Pebax 2533 mixed matrix membranes containing ZIF-8-PEI@[P(3)HIm][Tf2N]. *Chemical Engineering Research and Design*, **2022**, 181, 195-208	5.5	4
177	Hedgehog-like structure, PVDF- carbon nanohorn hybrid membranes for improved removal of VOCs from water. *Chemical Engineering Journal*, **2022**, 438, 135574	14.7	1
176	Comparative analysis of separation methods used for the elimination of pharmaceuticals and personal care products (PPCPs) from water A critical review. *Separation and Purification Technology*, **2022**, 290, 120797	8.3	2
175	Tunable hydrophobicity and roughness on PVDF surface by grafting to mode Approach to enhance membrane performance in membrane distillation process. *Separation and Purification Technology*, **2022**, 291, 120935	8.3	0
174	Recent demulsification methods of crude oil emulsions Brief review. *Journal of Petroleum Science and Engineering*, **2022**, 110643	4.4	5
173	Are nanohedgehogs thirsty? Toward new superhydrophobic and anti-icing carbon nanohorn-polymer hybrid surfaces. *Chemical Engineering Journal*, **2022**, 446, 137126	14.7	0
172	Nitrogen plasma modification boosts up the hemocompatibility of new PVDF-carbon nanohorns composite materials with potential cardiological and circulatory system implants application **2022**, 138, 212941		0
171	The Chemical and Cytotoxic Properties of Sambucus nigra Extracts A Natural Food Colorant. *Sustainability*, **2021**, 13, 12702	3.6	0
170	How Can the Desert Beetle and Biowaste Inspire Hybrid Separation Materials for Water Desalination?. *ACS Applied Materials & Interfaces*, **2021**, 13, 11268-11283	9.5	4
169	Energy Transition in Poland Assessment of the Renewable Energy Sector. *Energies*, **2021**, 14, 2046	3.1	35
168	Molecular activation of fluoropolymer membranes via base piranha treatment to enhance transport and mitigate fouling hew materials for water purification. *Journal of Membrane Science*, **2021**, 624, 119105	9.6	2
167	A Review on Ionic Liquids-Based Membranes for Middle and High Temperature Polymer Electrolyte Membrane Fuel Cells (PEM FCs). *International Journal of Molecular Sciences*, **2021**, 22,	6.3	8
166	Thin Film Mixed Matrix Hollow Fiber Membrane Fabricated by Incorporation of Amine Functionalized Metal-Organic Framework for CO/N Separation. *Materials*, **2021**, 14,	3.5	5
165	Fluorinated MOF-808 with various modulators to fabricate high-performance hybrid membranes with enhanced hydrophobicity for organic-organic pervaporation. *Separation and Purification Technology*, **2021**, 264, 118315	8.3	12
164	Revisiting Wetting, Freezing, and Evaporation Mechanisms of Water on Copper. *ACS Applied Materials & Interfaces*, **2021**, 13, 37893-37903	9.5	9

163	Feasibility study of polyetherimide membrane for enrichment of carbon dioxide from synthetic biohydrogen mixture and subsequent utilization scenario using microalgae. *International Journal of Energy Research*, **2021**, 45, 8327-8334	4.5	
162	Physicochemical and magnetic properties of functionalized lanthanide oxides with enhanced hydrophobicity. *Applied Surface Science*, **2021**, 542, 148563	6.7	2
161	A review - The development of hollow fibre membranes for gas separation processes. *International Journal of Greenhouse Gas Control*, **2021**, 104, 103195	4.2	14
160	Comparative Evaluation of CO2 Fixation of Microalgae Strains at Various CO2 Aeration Conditions. *Waste and Biomass Valorization*, **2021**, 12, 2999-3007	3.2	3
159	Molecular Decoration of Ceramic Supports for Highly Effective Enzyme Immobilization-Material Approach. *Materials*, **2021**, 14,	3.5	6
158	Fabrication of Polydimethysiloxane (PDMS) Dense Layer on Polyetherimide (PEI) Hollow Fiber Support for the Efficient CO/N Separation Membranes. *Polymers*, **2021**, 13,	4.5	5
157	The Synthesis of Poly(Vinyl Alcohol) Grafted with Fluorinated Protic Ionic Liquids Containing Sulfo Functional Groups. *Molecules*, **2021**, 26,	4.8	1
156	Crystalline porous frameworks as nano-enhancers for membrane liquid separation □Recent developments. *Coordination Chemistry Reviews*, **2021**, 440, 213969	23.2	9
155	The fabrication, characterization, and pervaporation performance of poly(ether-block-amide) membranes blended with 4-(trifluoromethyl)-N(pyridine-2-yl)benzamide and 4-(dimethylamino)-N(pyridine-2-yl)benzamide fillers. *Separation and Purification Technology*, **2021**, 268, 118707	8.3	3
154	Carbon nanohorn improved durable PVDF membranes - The future of membrane distillation and desalination. *Desalination*, **2021**, 511, 115117	10.3	5
153	Membrane assisted processing of acetone, butanol, and ethanol (ABE) aqueous streams. *Chemical Engineering and Processing: Process Intensification*, **2021**, 166, 108462	3.7	3
152	Hybrid polymer/ionic liquid electrospun membranes with tunable surface charge for virus capture in aqueous environments. *Journal of Water Process Engineering*, **2021**, 43, 102278	6.7	3
151	New reactive ionic liquids as carriers in polymer inclusion membranes for transport and separation of Cd(II), Cu(II), Pb(II), and Zn(II) ions from chloride aqueous solutions. *Journal of Membrane Science*, **2021**, 638, 119674	9.6	5
150	Highly effective enzymes immobilization on ceramics: Requirements for supports and enzymes. *Science of the Total Environment*, **2021**, 801, 149647	10.2	8
149	The Effects of PEI Hollow Fiber Substrate Characteristics on PDMS/PEI Hollow Fiber Membranes for CO/N Separation. *Membranes*, **2021**, 11,	3.8	6
148	Biomimetic hybrid membranes with covalently anchored chitosan □Material design, transport and separation. *Desalination*, **2020**, 491, 114550	10.3	13
147	Photocatalytic properties of PVDF membranes modified with g-C3N4 in the process of Rhodamines decomposition. *Separation and Purification Technology*, **2020**, 250, 117231	8.3	23
146	Direct contact membrane distillation for effective concentration of perfluoroalkyl substances - Impact of surface fouling and material stability. *Water Research*, **2020**, 182, 116010	12.5	10

145	Preparation and Characterization of Polyphenylsulfone (PPSU) Membranes for Biogas Upgrading. *Materials*, **2020**, 13,	3.5	4
144	A Short Review on the Valorization of Green Seaweeds and Ulvan: FEEDSTOCK for Chemicals and Biomaterials. *Biomolecules*, **2020**, 10,	5.9	23
143	Enhanced transport and antifouling properties of polyethersulfone membranes modified with amylase incorporated in chitosan-based polymeric micelles. *Journal of Membrane Science*, **2020**, 595, 117605	9.6	17
142	Zirconium dioxide membranes decorated by silanes based-modifiers for membrane distillation Material chemistry approach. *Journal of Membrane Science*, **2020**, 596, 117597	9.6	13
141	Novel heterogeneous membranes for enhanced separation in organic-organic pervaporation. *Journal of Membrane Science*, **2020**, 599, 117814	9.6	12
140	Possibilities for the biologically-assisted utilization of CO2-rich gaseous waste streams generated during membrane technological separation of biohydrogen. *Journal of CO2 Utilization*, **2020**, 36, 231-243	7.6	14
139	Silica Filled Polyphenylsulfone/Polydimethylsiloxane Composite Membranes for Pervaporation Separation of Biobutanol from ABE Mixtures. *Chemical Engineering and Processing: Process Intensification*, **2020**, 156, 108099	3.7	6
138	Evaluation of Antioxidant and Anti-Inflammatory Activity of Anthocyanin-Rich Water-Soluble Aronia Dry Extracts. *Molecules*, **2020**, 25,	4.8	15
137	The Impact of Reactive Ionic Liquids Addition on the Physicochemical and Sorption Properties of Poly(Vinyl Alcohol)-Based Films. *Polymers*, **2020**, 12,	4.5	1
136	Pyrolysis Kinetic Parameters of Omari Oil Shale Using Thermogravimetric Analysis. *Energies*, **2020**, 13, 4060	3.1	3
135	A New Type of Composite Membrane PVA-NaY/PA-6 for Separation of Industrially Valuable Mixture Ethanol/Ethyl -Butyl Ether by Pervaporation. *Materials*, **2020**, 13,	3.5	3
134	Analysis of Membrane Transport Equations for Reverse Electrodialysis (RED) Using Irreversible Thermodynamics. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	1
133	Fabrication of PDMS based membranes with improved separation efficiency in hydrophobic pervaporation. *Separation and Purification Technology*, **2020**, 234, 116092	8.3	16
132	Wrinkled silica doped electrospun nano-fiber membranes with engineered roughness for advanced aerosol air filtration. *Separation and Purification Technology*, **2019**, 215, 500-507	8.3	47
131	Upgrading of zirconia membrane performance in removal of hazardous VOCs from water by surface functionalization. *Chemical Engineering Journal*, **2019**, 374, 155-169	14.7	26
130	From nanoscale modification to separation - The role of substrate and modifiers in the transport properties of ceramic membranes in membrane distillation. *Journal of Membrane Science*, **2019**, 580, 296-306	9.6	15
129	Membrane bioreactors and electrochemical processes for treatment of wastewaters containing heavy metal ions, organics, micropollutants and dyes: Recent developments. *Journal of Hazardous Materials*, **2019**, 370, 172-195	12.8	69
128	Preparation and Characterization of Cellulose Acetate Propionate Films Functionalized with Reactive Ionic Liquids. *Polymers*, **2019**, 11,	4.5	12

127	High Throughput Screening and Characterization Methods of Jordanian Oil Shale as a Case Study. *Energies*, **2019**, 12, 3148	3.1	5
126	Chemically and Thermally Crosslinked PVA-Based Membranes: Effect on Swelling and Transport Behavior. *Polymers*, **2019**, 11,	4.5	35
125	Advancements in proton exchange membranes for high-performance high-temperature proton exchange membrane fuel cells (HT-PEMFC). *Reviews in Chemical Engineering*, **2019**,	5	1
124	Adsorption modification of the zeolite surface with chitosan. *Chemical Bulletin of Kazakh National University*, **2019**, 20-26	0	
123	Improvement of separation and transport performance of ultrafiltration membranes by magnetically active nanolayer. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 569, 67-77	5.1	4
122	Improved antifouling properties of polyethersulfone membranes modified with □amylase entrapped in Tetronic□ micelles. *Journal of Membrane Science*, **2019**, 570-571, 436-444	9.6	16
121	Transport properties and fouling issues of membranes utilized for the concentration of dairy products by air-gap membrane distillation and microfiltration. *Chemical Papers*, **2019**, 73, 565-582	1.9	4
120	PVDF/magnetite blend membranes for enhanced flux and salt rejection in membrane distillation. *Desalination*, **2018**, 436, 69-80	10.3	43
119	Implementation of osmotic membrane distillation with various hydrophobic porous membranes for concentration of sugars solutions and preservation of the quality of cactus pear juice. *Journal of Food Engineering*, **2018**, 230, 28-38	6	22
118	Covalent surface entanglement of polyvinylidene fluoride membranes with carbon nanotubes. *European Polymer Journal*, **2018**, 100, 153-164	5.2	7
117	Enhancing membrane performance in removal of hazardous VOCs from water by modified fluorinated PVDF porous material. *Journal of Membrane Science*, **2018**, 556, 214-226	9.6	20
116	Application of polymer-based membranes containing ionic liquids in membrane separation processes: a critical review. *Reviews in Chemical Engineering*, **2018**, 34, 341-363	5	53
115	Modification of poly(vinyl chloride) films by aliphatic amines to prepare anion-exchange membranes for Cr (VI) removal. *Separation Science and Technology*, **2018**, 53, 1191-1197	2.5	12
114	Fabrication of blend polyvinylidene fluoride/chitosan membranes for enhanced flux and fouling resistance. *Separation and Purification Technology*, **2018**, 190, 68-76	8.3	38
113	Influence of feed flow rate, temperature and feed concentration on concentration polarization effects during separation of water-methyl acetate solutions with high permeable hydrophobic pervaporation PDMS membrane. *Journal of Membrane Science*, **2018**, 564, 1-9	9.6	26
112	Advanced Material-Ordered Nanotubular Ceramic Membranes Covalently Capped with Single-Wall Carbon Nanotubes. *Materials*, **2018**, 11,	3.5	5
111	The Effect of Reactive Ionic Liquid or Plasticizer Incorporation on the Physicochemical and Transport Properties of Cellulose Acetate Propionate-Based Membranes. *Polymers*, **2018**, 10,	4.5	21
110	Pervaporative efficiency of organic solvents separation employing hydrophilic and hydrophobic commercial polymeric membranes. *Journal of Membrane Science*, **2018**, 564, 444-455	9.6	8

109	Lithium dedicated adsorbent for the preparation of electrodes useful in the ion pumping method. *Separation and Purification Technology*, **2018**, 194, 231-238	8.3	22
108	A review of the innovative gas separation membrane bioreactor with mechanisms for integrated production and purification of biohydrogen. *Bioresource Technology*, **2018**, 270, 643-655	11	24
107	Development and Characterization of Polyamide-Supported Chitosan Nanocomposite Membranes for Hydrophilic Pervaporation. *Polymers*, **2018**, 10,	4.5	19
106	Molecular Grafting of Fluorinated and Nonfluorinated Alkylsiloxanes on Various Ceramic Membrane Surfaces for the Removal of Volatile Organic Compounds Applying Vacuum Membrane Distillation. *ACS Applied Materials & Interfaces*, **2017**, 9, 6571-6590	9.5	48
105	Pervaporative performance of PEBA and PDMS based commercial membranes in thiophene removal from its binary mixtures with hydrocarbons. *Fuel Processing Technology*, **2017**, 165, 9-18	7.2	16
104	Assessment of air-gap membrane distillation with hydrophobic porous membranes utilized for damaged paintings humidification. *Journal of Membrane Science*, **2017**, 538, 1-8	9.6	22
103	Pervaporative butanol removal from PBE fermentation broths for the bioconversion of glycerol by Clostridium pasteurianum. *Journal of Membrane Science*, **2017**, 535, 79-88	9.6	10
102	Activation of PVDF membranes through facile hydroxylation of the polymeric dope. *Journal of Materials Research*, **2017**, 32, 4219-4231	2.5	7
101	Functional groups docking on PVDF membranes: Novel Piranha approach. *European Polymer Journal*, **2017**, 96, 414-428	5.2	18
100	Physicochemical properties and pervaporation performance of dense membranes based on cellulose acetate propionate (CAP) and containing polymerizable ionic liquid (PIL). *Journal of Membrane Science*, **2017**, 544, 243-251	9.6	16
99	Tunable separation via chemical functionalization of polyvinylidenefluoride membranes using piranha reagent. *Journal of Membrane Science*, **2017**, 541, 567-579	9.6	11
98	Performance of commercial composite hydrophobic membranes applied for pervaporative reclamation of acetone, butanol, and ethanol from aqueous solutions: Binary mixtures. *Separation and Purification Technology*, **2017**, 188, 512-522	8.3	23
97	Sulfonic Membrane Sorption and Permeation Properties: Complementary Approaches to Select a Membrane for Pervaporation. *Journal of Physical Chemistry B*, **2017**, 121, 8523-8538	3.4	2
96	Transport of dilute organics through dense membranes: Assessing impact on membrane-solute interactions. *Journal of Membrane Science*, **2017**, 523, 346-354	9.6	7
95	Pervaporative removal of organosulfur compounds (OSCs) from gasoline using PEBA and PDMS based commercial hydrophobic membranes. *Chemical Engineering Journal*, **2017**, 309, 435-444	14.7	21
94	One-dimensional modeling of pervaporation systems using a semi-empirical flux model. *Separation and Purification Technology*, **2017**, 174, 502-512	8.3	15
93	Dewatering of 2,2,3,3-tetrafluoropropan-1-ol by hydrophilic pervaporation with poly(vinyl alcohol) based Pervap membranes. *Separation and Purification Technology*, **2017**, 174, 520-528	8.3	21
92	Hydrophobic Ceramic Membranes for Water Desalination. *Applied Sciences (Switzerland)*, **2017**, 7, 402	2.6	37

91	Enhanced starch hydrolysis using □-amylase immobilized on cellulose ultrafiltration affinity membrane. *Carbohydrate Polymers*, **2016**, 152, 710-717	10.3	27
90	Membranes with a plasma deposited titanium isopropoxide layer. *Chemical Papers*, **2016**, 70,	1.9	3
89	Helioenergy in Poland □Current state, surveys and prospects. *Renewable and Sustainable Energy Reviews*, **2016**, 58, 862-870	16.2	16
88	Renewable energy production in the □dzkie Voivodeship. The PEST analysis of the RES in the voivodeship and in Poland. *Renewable and Sustainable Energy Reviews*, **2016**, 58, 737-750	16.2	30
87	Functionalization of Ceramic Metal Oxide Powders and Ceramic Membranes by Perfluoroalkylsilanes and Alkylsilanes Possessing Different Reactive Groups: Physicochemical and Tribological Properties. *ACS Applied Materials & Interfaces*, **2016**, 8, 7509-21	9.5	48
86	How To Functionalize Ceramics by Perfluoroalkylsilanes for Membrane Separation Process? Properties and Application of Hydrophobized Ceramic Membranes. *ACS Applied Materials & Interfaces*, **2016**, 8, 7564-77	9.5	45
85	Influence of downstream pressure on pervaporation properties of PDMS and POMS based membranes. *Separation and Purification Technology*, **2016**, 159, 68-80	8.3	54
84	Ab initio study of cationic polymeric membranes in water and methanol. *Ionics*, **2016**, 22, 357-367	2.7	6
83	Influence of hydrophobization conditions and ceramic membranes pore size on their properties in vacuum membrane distillation of water□organic solvent mixtures. *Journal of Membrane Science*, **2016**, 499, 442-451	9.6	94
82	Removal of volatile organic compounds from aqueous solutions applying thermally driven membrane processes. 2. Air gap membrane distillation. *Journal of Membrane Science*, **2016**, 499, 245-256	9.6	32
81	Oxygen selective membrane for Li-air batteries Membrany selektywne wzgl□dem tlenu w bateriach litowo-powietrznych. *Przemysl Chemiczny*, **2016**, 1, 88-94	1.8	2
80	Effect of the polar□onpolar liquid mixtures on pervaporative behavior of perfluorinated sulfonic membranes in lithium form. *Journal of Membrane Science*, **2016**, 518, 313-327	9.6	13
79	Driving force and activation energy in air-gap membrane distillation process. *Chemical Papers*, **2015**, 69,	1.9	16
78	ABE fermentation products recovery methods□A review. *Renewable and Sustainable Energy Reviews*, **2015**, 48, 648-661	16.2	178
77	Removal of volatile organic compounds from aqueous solutions applying thermally driven membrane processes. 1. Thermopervaporation. *Chemical Engineering and Processing: Process Intensification*, **2015**, 94, 62-71	3.7	29
76	Raw Juice Concentration by Osmotic Membrane Distillation Process with Hydrophobic Polymeric Membranes. *Food and Bioprocess Technology*, **2015**, 8, 2146-2158	5.1	38
75	Polypropylene membranes with the double sensitivity effect. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	5
74	Plasma deposited fluorinated films on porous membranes. *Materials Chemistry and Physics*, **2015**, 151, 233-242	4.4	26

73	Highly hydrophobic ceramic membranes applied to the removal of volatile organic compounds in pervaporation. *Chemical Engineering Journal*, **2015**, 260, 43-54	14.7	61
72	Removal of hazardous volatile organic compounds from water by vacuum pervaporation with hydrophobic ceramic membranes. *Journal of Membrane Science*, **2015**, 474, 11-19	9.6	103
71	Ionic liquids as selective extractants and ion carriers of heavy metal ions from aqueous solutions utilized in extraction and membrane separation. *Reviews in Chemical Engineering*, **2015**, 31,	5	49
70	Modeling of transport and separation in a thermopervaporation process. *Journal of Membrane Science*, **2015**, 480, 129-138	9.6	21
69	Apparent and intrinsic properties of commercial PDMS based membranes in pervaporative removal of acetone, butanol and ethanol from binary aqueous mixtures. *Journal of Membrane Science*, **2014**, 453, 108-118	9.6	100
68	pH-sensitive membranes for lithium separation. *Materials Chemistry and Physics*, **2014**, 148, 548-553	4.4	13
67	Highly efficient hydrophobic titania ceramic membranes for water desalination. *ACS Applied Materials & Interfaces*, **2014**, 6, 14223-30	9.5	80
66	The influence of surface modification on the physicochemical properties of ceramic membranes. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 443, 567-575	5.1	46
65	Pervaporative removal of acetone, butanol and ethanol from binary and multicomponent aqueous mixtures. *Separation and Purification Technology*, **2014**, 132, 422-429	8.3	50
64	Processes and Technologies for the Recycling of Spent Fluorescent Lamps. *Polish Journal of Chemical Technology*, **2014**, 16, 80-85	1	12
63	Gas Sensor System for the Determination of Methane in Water. *Procedia Engineering*, **2014**, 87, 1445-1448		11
62	Characterization of the surface modification process of Al2O3, TiO2 and ZrO2 powders by PFAS molecules. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 447, 14-22	5.1	34
61	Investigation of the stability of metal oxide powders and ceramic membranes grafted by perfluoroalkylsilanes. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 443, 109-117	5.1	34
60	Monitoring System for Under-Water Pipe Line. *Lecture Notes in Electrical Engineering*, **2014**, 287-291	0.2	2
59	Efficiency of grafting of Al2O3, TiO2 and ZrO2 powders by perfluoroalkylsilanes. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 420, 64-73	5.1	50
58	Pervaporation performance of composite poly(dimethyl siloxane) membrane for butanol recovery from model solutions. *Journal of Membrane Science*, **2013**, 434, 55-64	9.6	98
57	Membrane distillation properties of TiO2 ceramic membranes modified by perfluoroalkylsilanes. *Desalination and Water Treatment*, **2013**, 51, 1352-1361		55
56	Renewable energy production in the Zachodniopomorskie Voivodeship (Poland). *Renewable and Sustainable Energy Reviews*, **2013**, 27, 768-777	16.2	13

55	Polyamide-6 based pervaporation membranes for organic–organic separation. *Separation and Purification Technology*, **2013**, 110, 63-73	8.3	55
54	Application of osmotic membrane distillation process in red grape juice concentration. *Journal of Food Engineering*, **2013**, 116, 801-808	6	42
53	Geoenergy in Poland. *Renewable and Sustainable Energy Reviews*, **2012**, 16, 2545-2557	16.2	21
52	Agricultural biogas plants in Poland: Investment process, economical and environmental aspects, biogas potential. *Renewable and Sustainable Energy Reviews*, **2012**, 16, 4890-4900	16.2	87
51	Chitosan hydrogel membranes for pervaporative dehydration of alcohols. *Separation and Purification Technology*, **2011**, 83, 114-120	8.3	27
50	A procedure for the determination of dichloromethane and tetrachloroethene in water using pervaporation and gas chromatography. *Chemical Papers*, **2011**, 65,	1.9	1
49	Bioenergy in Poland. *Renewable and Sustainable Energy Reviews*, **2011**, 15, 2999-3007	16.2	48
48	Permeation and sorption properties of poly(ether-block-amide) membranes filled by two types of zeolites. *Separation and Purification Technology*, **2011**, 80, 418-427	8.3	57
47	Modeling of the kinetics of pervaporative recovery of ethanol from fermented broth with the use of the solution-diffusion theory. *Desalination and Water Treatment*, **2010**, 14, 185-191		3
46	Renewable energy in the Kujawsko-Pomorskie Voivodeship (Poland). *Renewable and Sustainable Energy Reviews*, **2010**, 14, 1336-1341	16.2	21
45	Pervaporation of volatile organohalogen compounds through polydimethylsiloxane membrane. *Desalination*, **2010**, 264, 160-164	10.3	10
44	Comparison of various membrane distillation methods for desalination using hydrophobic ceramic membranes. *Journal of Membrane Science*, **2009**, 337, 55-60	9.6	168
43	Semi-continuous ethanol production in bioreactor from whey with co-immobilized enzyme and yeast cells followed by pervaporative recovery of product – Kinetic model predictions considering glucose repression. *Journal of Food Engineering*, **2009**, 91, 240-249	6	25
42	Transport of electrolytes through charged membranes – on the relations between the independent transport coefficients. *Desalination*, **2009**, 241, 75-80	10.3	2
41	Membrane-assisted removal of hydrocarbons from contaminated soils – laboratory test results. *Desalination*, **2009**, 241, 218-226	10.3	8
40	Influence of the chosen process parameters on the efficiency of seawater desalination: SWRO pilot plant results at Urla Bay seashore. *Desalination and Water Treatment*, **2009**, 5, 167-171		11
39	Application of pervaporation and osmotic membrane distillation to the regeneration of spent solutions from the osmotic food dehydration. *Polish Journal of Chemical Technology*, **2009**, 11, 41-45	1	7
38	Pervaporation properties of fluoroalkylsilane (FAS) grafted ceramic membranes. *Desalination*, **2007**, 205, 75-86	10.3	62

37	Importance of the cross-effects in the transport through ion-exchange membranes. *Journal of Membrane Science*, **2007**, 297, 226-235	9.6	9
36	Ethanol production from lactose in a fermentation/pervaporation system. *Journal of Food Engineering*, **2007**, 79, 430-437	6	54
35	Ethanol production from whey in bioreactor with co-immobilized enzyme and yeast cells followed by pervaporative recovery of product Kinetic model predictions. *Journal of Food Engineering*, **2007**, 82, 618-625	6	35
34	Transport parameters of alcohol vapors through ion-exchange membranes. *Separation and Purification Technology*, **2007**, 57, 476-482	8.3	20
33	A comparison of three solvent-free techniques coupled with gas chromatography for determining trihalomethanes in urine samples. *Analytical and Bioanalytical Chemistry*, **2007**, 388, 691-8	4.4	11
32	Application of osmotic membrane distillation for reconcentration of sugar solutions from osmotic dehydration. *Separation and Purification Technology*, **2007**, 57, 425-429	8.3	37
31	Influence of inorganic salt on the effectiveness of liquid mixtures separation by pervaporation?. *Separation and Purification Technology*, **2007**, 57, 495-501	8.3	26
30	Procedure of determination of volatile trihalomethanes in human urine with pervaporation and gas chromatography. *International Journal of Environmental Analytical Chemistry*, **2007**, 87, 449-457	1.8	6
29	Concentration of viscous food solutions by membrane contactors. *Desalination*, **2006**, 200, 533-534	10.3	
28	Application of fluoroalkylsilanes (FAS) grafted ceramic membranes in membrane distillation process of NaCl solutions. *Journal of Membrane Science*, **2006**, 281, 253-259	9.6	114
27	Gas transport properties of segmented poly(ether siloxane urethane urea) membranes. *Journal of Membrane Science*, **2006**, 281, 747-753	9.6	37
26	Transport Properties of Ion-Exchange Membranes During Pervaporation of Water-Alcohol Mixtures. *Separation Science and Technology*, **2005**, 40, 2277-2295	2.5	12
25	Swelling Properties of Ion-Exchange Membranes in Contact with Water Alcohol Mixtures. *Separation Science and Technology*, **2005**, 39, 2137-2154	2.5	6
24	Application of pervaporation and adsorption to the phenol removal from wastewater. *Separation and Purification Technology*, **2004**, 40, 123-132	8.3	75
23	Sweeping gas pervaporation with hollow-fiber ion-exchange membranes. *Desalination*, **2004**, 162, 129-135	10.3	27
22	Siloxane-urethane membranes for removal of volatile organic solvents by pervaporation. *Desalination*, **2004**, 163, 207-214	10.3	19
21	Removal of phenol from wastewater by different separation techniques. *Desalination*, **2004**, 163, 287-296	10.3	216
20	Water desalination using ceramic membrane distillation. *Desalination*, **2004**, 168, 367-372	10.3	135

19	Grafting of ZrO2 powder and ZrO2 membrane by fluoroalkylsilanes. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2004**, 243, 43-47	5.1	52
18	Application of AB-crosslinked polymers composed of styrene/isoprene□iloxane copolymers to pervaporative removal of volatile organic compounds from water. *Journal of Membrane Science*, **2003**, 218, 211-218	9.6	16
17	Preparation and Properties of Organophilic Membranes for Pervaporation of Water-Organics Mixtures. *Separation Science and Technology*, **2003**, 38, 3669-3687	2.5	11
16	PERVAPORATIVE REMOVAL OF VOLATILE ORGANIC COMPOUNDS FROM MULTICOMPONENT AQUEOUS MIXTURES. *Separation Science and Technology*, **2002**, 37, 3559-3575	2.5	35
15	Pervaporation of pyridine□water mixture through poly(acrylonitrile-co-monoacryloxyethyl phosphate) membrane. *Journal of Membrane Science*, **2000**, 164, 121-128	9.6	26
14	Pervaporative Removal of Organics from Water Using Hydrophobic Membranes. Binary Mixtures. *Separation Science and Technology*, **2000**, 35, 89-108	2.5	56
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