

Wojciech Kujawski

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Removal of phenol from wastewater by different separation techniques. <i>Desalination</i> , 2004 , 163, 287-296	10.3	216
179	ABE fermentation products recovery methods – a review. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 48, 648-661	16.2	178
178	Comparison of various membrane distillation methods for desalination using hydrophobic ceramic membranes. <i>Journal of Membrane Science</i> , 2009 , 337, 55-60	9.6	168
177	Water desalination using ceramic membrane distillation. <i>Desalination</i> , 2004 , 168, 367-372	10.3	135
176	Application of fluoroalkylsilanes (FAS) grafted ceramic membranes in membrane distillation process of NaCl solutions. <i>Journal of Membrane Science</i> , 2006 , 281, 253-259	9.6	114
175	Removal of hazardous volatile organic compounds from water by vacuum pervaporation with hydrophobic ceramic membranes. <i>Journal of Membrane Science</i> , 2015 , 474, 11-19	9.6	103
174	Apparent and intrinsic properties of commercial PDMS based membranes in pervaporative removal of acetone, butanol and ethanol from binary aqueous mixtures. <i>Journal of Membrane Science</i> , 2014 , 453, 108-118	9.6	100
173	Pervaporation performance of composite poly(dimethyl siloxane) membrane for butanol recovery from model solutions. <i>Journal of Membrane Science</i> , 2013 , 434, 55-64	9.6	98
172	Influence of hydrophobization conditions and ceramic membranes pore size on their properties in vacuum membrane distillation of water/organic solvent mixtures. <i>Journal of Membrane Science</i> , 2016 , 499, 442-451	9.6	94
171	Agricultural biogas plants in Poland: Investment process, economical and environmental aspects, biogas potential. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 4890-4900	16.2	87
170	Highly efficient hydrophobic titania ceramic membranes for water desalination. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 14223-30	9.5	80
169	Application of pervaporation and adsorption to the phenol removal from wastewater. <i>Separation and Purification Technology</i> , 2004 , 40, 123-132	8.3	75
168	Membrane bioreactors and electrochemical processes for treatment of wastewaters containing heavy metal ions, organics, micropollutants and dyes: Recent developments. <i>Journal of Hazardous Materials</i> , 2019 , 370, 172-195	12.8	69
167	Pervaporation properties of fluoroalkylsilane (FAS) grafted ceramic membranes. <i>Desalination</i> , 2007 , 205, 75-86	10.3	62
166	Highly hydrophobic ceramic membranes applied to the removal of volatile organic compounds in pervaporation. <i>Chemical Engineering Journal</i> , 2015 , 260, 43-54	14.7	61
165	Irreversible thermodynamics of transport across charged membranes. <i>Journal of Membrane Science</i> , 1985 , 25, 153-170	9.6	59
164	Permeation and sorption properties of poly(ether-block-amide) membranes filled by two types of zeolites. <i>Separation and Purification Technology</i> , 2011 , 80, 418-427	8.3	57

163	Infrared investigations of sulfonated ionomer membranes. I. Water/alcohol compositions and counterions effects. <i>Journal of Applied Polymer Science</i> , 1992 , 44, 951-958	2.9	57
162	Pervaporative Removal of Organics from Water Using Hydrophobic Membranes. Binary Mixtures. <i>Separation Science and Technology</i> , 2000 , 35, 89-108	2.5	56
161	Membrane distillation properties of TiO ₂ ceramic membranes modified by perfluoroalkylsilanes. <i>Desalination and Water Treatment</i> , 2013 , 51, 1352-1361		55
160	Polyamide-6 based pervaporation membranes for organic/organic separation. <i>Separation and Purification Technology</i> , 2013 , 110, 63-73	8.3	55
159	Ions and water transport across charged nafion membranes. Irreversible thermodynamics approach. <i>Desalination</i> , 1984 , 51, 3-17	10.3	55
158	Influence of downstream pressure on pervaporation properties of PDMS and POMS based membranes. <i>Separation and Purification Technology</i> , 2016 , 159, 68-80	8.3	54
157	Ethanol production from lactose in a fermentation/pervaporation system. <i>Journal of Food Engineering</i> , 2007 , 79, 430-437	6	54
156	Application of polymer-based membranes containing ionic liquids in membrane separation processes: a critical review. <i>Reviews in Chemical Engineering</i> , 2018 , 34, 341-363	5	53
155	Grafting of ZrO ₂ powder and ZrO ₂ membrane by fluoroalkylsilanes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 243, 43-47	5.1	52
154	Pervaporative removal of acetone, butanol and ethanol from binary and multicomponent aqueous mixtures. <i>Separation and Purification Technology</i> , 2014 , 132, 422-429	8.3	50
153	Efficiency of grafting of Al ₂ O ₃ , TiO ₂ and ZrO ₂ powders by perfluoroalkylsilanes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 420, 64-73	5.1	50
152	Ionic liquids as selective extractants and ion carriers of heavy metal ions from aqueous solutions utilized in extraction and membrane separation. <i>Reviews in Chemical Engineering</i> , 2015 , 31,	5	49
151	Molecular Grafting of Fluorinated and Nonfluorinated Alkylsiloxanes on Various Ceramic Membrane Surfaces for the Removal of Volatile Organic Compounds Applying Vacuum Membrane Distillation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6571-6590	9.5	48
150	Functionalization of Ceramic Metal Oxide Powders and Ceramic Membranes by Perfluoroalkylsilanes and Alkylsilanes Possessing Different Reactive Groups: Physicochemical and Tribological Properties. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7509-21	9.5	48
149	Bioenergy in Poland. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 2999-3007	16.2	48
148	Wrinkled silica doped electrospun nano-fiber membranes with engineered roughness for advanced aerosol air filtration. <i>Separation and Purification Technology</i> , 2019 , 215, 500-507	8.3	47
147	The influence of surface modification on the physicochemical properties of ceramic membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 443, 567-575	5.1	46
146	How To Functionalize Ceramics by Perfluoroalkylsilanes for Membrane Separation Process? Properties and Application of Hydrophobized Ceramic Membranes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7564-77	9.5	45

145	PVDF/magnetite blend membranes for enhanced flux and salt rejection in membrane distillation. <i>Desalination</i> , 2018 , 436, 69-80	10.3	43
144	Application of osmotic membrane distillation process in red grape juice concentration. <i>Journal of Food Engineering</i> , 2013 , 116, 801-808	6	42
143	Raw Juice Concentration by Osmotic Membrane Distillation Process with Hydrophobic Polymeric Membranes. <i>Food and Bioprocess Technology</i> , 2015 , 8, 2146-2158	5.1	38
142	Fabrication of blend polyvinylidene fluoride/chitosan membranes for enhanced flux and fouling resistance. <i>Separation and Purification Technology</i> , 2018 , 190, 68-76	8.3	38
141	A Fully Automated System for the Determination of Pore Size Distribution in Microfiltration and Ultrafiltration Membranes. <i>Separation Science and Technology</i> , 1989 , 24, 495-506	2.5	38
140	Hydrophobic Ceramic Membranes for Water Desalination. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 402	2.6	37
139	Application of osmotic membrane distillation for reconcentration of sugar solutions from osmotic dehydration. <i>Separation and Purification Technology</i> , 2007 , 57, 425-429	8.3	37
138	Gas transport properties of segmented poly(ether siloxane urethane urea) membranes. <i>Journal of Membrane Science</i> , 2006 , 281, 747-753	9.6	37
137	Chemically and Thermally Crosslinked PVA-Based Membranes: Effect on Swelling and Transport Behavior. <i>Polymers</i> , 2019 , 11,	4.5	35
136	Ethanol production from whey in bioreactor with co-immobilized enzyme and yeast cells followed by pervaporative recovery of product [Kinetic model predictions. <i>Journal of Food Engineering</i> , 2007 , 82, 618-625	6	35
135	PERVAPORATIVE REMOVAL OF VOLATILE ORGANIC COMPOUNDS FROM MULTICOMPONENT AQUEOUS MIXTURES. <i>Separation Science and Technology</i> , 2002 , 37, 3559-3575	2.5	35
134	Irreversible thermodynamics of transport across charged membranes. <i>Journal of Membrane Science</i> , 1987 , 30, 125-140	9.6	35
133	Energy Transition in Poland Assessment of the Renewable Energy Sector. <i>Energies</i> , 2021 , 14, 2046	3.1	35
132	Characterization of the surface modification process of Al ₂ O ₃ , TiO ₂ and ZrO ₂ powders by PFAS molecules. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 447, 14-22	5.1	34
131	Investigation of the stability of metal oxide powders and ceramic membranes grafted by perfluoroalkylsilanes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 443, 109-117	5.1	34
130	Removal of volatile organic compounds from aqueous solutions applying thermally driven membrane processes. 2. Air gap membrane distillation. <i>Journal of Membrane Science</i> , 2016 , 499, 245-256	9.6	32
129	Renewable energy production in the Łódź Voivodeship. The PEST analysis of the RES in the voivodeship and in Poland. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 58, 737-750	16.2	30
128	Removal of volatile organic compounds from aqueous solutions applying thermally driven membrane processes. 1. Thermopervaporation. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015 , 94, 62-71	3.7	29

127	Electrochemical preparation of polypyrrole membranes and their application in ethanol-cyclohexane separation by pervaporation. <i>Journal of Membrane Science</i> , 1995 , 108, 89-96	9.6	28
126	Enhanced starch hydrolysis using α -amylase immobilized on cellulose ultrafiltration affinity membrane. <i>Carbohydrate Polymers</i> , 2016 , 152, 710-717	10.3	27
125	Chitosan hydrogel membranes for pervaporative dehydration of alcohols. <i>Separation and Purification Technology</i> , 2011 , 83, 114-120	8.3	27
124	Sweeping gas pervaporation with hollow-fiber ion-exchange membranes. <i>Desalination</i> , 2004 , 162, 129-135	10.3	27
123	Upgrading of zirconia membrane performance in removal of hazardous VOCs from water by surface functionalization. <i>Chemical Engineering Journal</i> , 2019 , 374, 155-169	14.7	26
122	Plasma deposited fluorinated films on porous membranes. <i>Materials Chemistry and Physics</i> , 2015 , 151, 233-242	4.4	26
121	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. <i>Journal of Membrane Science</i> , 2018 , 564, 1-9	9.6	26
120	Influence of inorganic salt on the effectiveness of liquid mixtures separation by pervaporation?. <i>Separation and Purification Technology</i> , 2007 , 57, 495-501	8.3	26
119	Pervaporation of pyridine-water mixture through poly(acrylonitrile-co-monoacryloxyethyl phosphate) membrane. <i>Journal of Membrane Science</i> , 2000 , 164, 121-128	9.6	26
118	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. <i>Journal of Food Engineering</i> , 2009 , 91, 240-249	6	25
117	A review of the innovative gas separation membrane bioreactor with mechanisms for integrated production and purification of biohydrogen. <i>Bioresource Technology</i> , 2018 , 270, 643-655	11	24
116	Photocatalytic properties of PVDF membranes modified with g-C ₃ N ₄ in the process of Rhodamines decomposition. <i>Separation and Purification Technology</i> , 2020 , 250, 117231	8.3	23
115	A Short Review on the Valorization of Green Seaweeds and Ulvan: FEEDSTOCK for Chemicals and Biomaterials. <i>Biomolecules</i> , 2020 , 10,	5.9	23
114	Performance of commercial composite hydrophobic membranes applied for pervaporative reclamation of acetone, butanol, and ethanol from aqueous solutions: Binary mixtures. <i>Separation and Purification Technology</i> , 2017 , 188, 512-522	8.3	23
113	Assessment of air-gap membrane distillation with hydrophobic porous membranes utilized for damaged paintings humidification. <i>Journal of Membrane Science</i> , 2017 , 538, 1-8	9.6	22
112	Implementation of osmotic membrane distillation with various hydrophobic porous membranes for concentration of sugars solutions and preservation of the quality of cactus pear juice. <i>Journal of Food Engineering</i> , 2018 , 230, 28-38	6	22
111	Lithium dedicated adsorbent for the preparation of electrodes useful in the ion pumping method. <i>Separation and Purification Technology</i> , 2018 , 194, 231-238	8.3	22
110	The Effect of Reactive Ionic Liquid or Plasticizer Incorporation on the Physicochemical and Transport Properties of Cellulose Acetate Propionate-Based Membranes. <i>Polymers</i> , 2018 , 10,	4.5	21

109	Geoenergy in Poland. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 2545-2557	16.2	21
108	Pervaporative removal of organosulfur compounds (OSCs) from gasoline using PEBA and PDMS based commercial hydrophobic membranes. <i>Chemical Engineering Journal</i> , 2017 , 309, 435-444	14.7	21
107	Dewatering of 2,2,3,3-tetrafluoropropan-1-ol by hydrophilic pervaporation with poly(vinyl alcohol) based Pervap membranes. <i>Separation and Purification Technology</i> , 2017 , 174, 520-528	8.3	21
106	Modeling of transport and separation in a thermopervaporation process. <i>Journal of Membrane Science</i> , 2015 , 480, 129-138	9.6	21
105	Renewable energy in the Kujawsko-Pomorskie Voivodeship (Poland). <i>Renewable and Sustainable Energy Reviews</i> , 2010 , 14, 1336-1341	16.2	21
104	Enhancing membrane performance in removal of hazardous VOCs from water by modified fluorinated PVDF porous material. <i>Journal of Membrane Science</i> , 2018 , 556, 214-226	9.6	20
103	Transport parameters of alcohol vapors through ion-exchange membranes. <i>Separation and Purification Technology</i> , 2007 , 57, 476-482	8.3	20
102	Siloxane-urethane membranes for removal of volatile organic solvents by pervaporation. <i>Desalination</i> , 2004 , 163, 207-214	10.3	19
101	Dehydration of Water-Pyridine Mixtures by Pervaporation. <i>Separation Science and Technology</i> , 1991 , 26, 1109-1121	2.5	19
100	Development and Characterization of Polyamide-Supported Chitosan Nanocomposite Membranes for Hydrophilic Pervaporation. <i>Polymers</i> , 2018 , 10,	4.5	19
99	Functional groups docking on PVDF membranes: Novel Piranha approach. <i>European Polymer Journal</i> , 2017 , 96, 414-428	5.2	18
98	Enhanced transport and antifouling properties of polyethersulfone membranes modified with Amylase incorporated in chitosan-based polymeric micelles. <i>Journal of Membrane Science</i> , 2020 , 595, 117605	9.6	17
97	Pervaporative performance of PEBA and PDMS based commercial membranes in thiophene removal from its binary mixtures with hydrocarbons. <i>Fuel Processing Technology</i> , 2017 , 165, 9-18	7.2	16
96	Driving force and activation energy in air-gap membrane distillation process. <i>Chemical Papers</i> , 2015 , 69,	1.9	16
95	Helioenergy in Poland Current state, surveys and prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 58, 862-870	16.2	16
94	Physicochemical properties and pervaporation performance of dense membranes based on cellulose acetate propionate (CAP) and containing polymerizable ionic liquid (PIL). <i>Journal of Membrane Science</i> , 2017 , 544, 243-251	9.6	16
93	Application of AB-crosslinked polymers composed of styrene/isoprene-siloxane copolymers to pervaporative removal of volatile organic compounds from water. <i>Journal of Membrane Science</i> , 2003 , 218, 211-218	9.6	16
92	Improved antifouling properties of polyethersulfone membranes modified with Amylase entrapped in Tetronic micelles. <i>Journal of Membrane Science</i> , 2019 , 570-571, 436-444	9.6	16

91	Fabrication of PDMS based membranes with improved separation efficiency in hydrophobic pervaporation. <i>Separation and Purification Technology</i> , 2020 , 234, 116092	8.3	16
90	From nanoscale modification to separation - The role of substrate and modifiers in the transport properties of ceramic membranes in membrane distillation. <i>Journal of Membrane Science</i> , 2019 , 580, 296-306	9.6	15
89	One-dimensional modeling of pervaporation systems using a semi-empirical flux model. <i>Separation and Purification Technology</i> , 2017 , 174, 502-512	8.3	15
88	Evaluation of Antioxidant and Anti-Inflammatory Activity of Anthocyanin-Rich Water-Soluble Aronia Dry Extracts. <i>Molecules</i> , 2020 , 25,	4.8	15
87	Possibilities for the biologically-assisted utilization of CO ₂ -rich gaseous waste streams generated during membrane technological separation of biohydrogen. <i>Journal of CO₂ Utilization</i> , 2020 , 36, 231-243	7.6	14
86	A review - The development of hollow fibre membranes for gas separation processes. <i>International Journal of Greenhouse Gas Control</i> , 2021 , 104, 103195	4.2	14
85	Biomimetic hybrid membranes with covalently anchored chitosan □Material design, transport and separation. <i>Desalination</i> , 2020 , 491, 114550	10.3	13
84	pH-sensitive membranes for lithium separation. <i>Materials Chemistry and Physics</i> , 2014 , 148, 548-553	4.4	13
83	Renewable energy production in the Zachodniopomorskie Voivodeship (Poland). <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 27, 768-777	16.2	13
82	Pervaporation Properties of Dense Polyamide-6 Membranes in Separation of Water-Ethanol Mixtures. <i>Separation Science and Technology</i> , 1996 , 31, 953-963	2.5	13
81	Zirconium dioxide membranes decorated by silanes based-modifiers for membrane distillation □ Material chemistry approach. <i>Journal of Membrane Science</i> , 2020 , 596, 117597	9.6	13
80	Effect of the polar□nonpolar liquid mixtures on pervaporative behavior of perfluorinated sulfonic membranes in lithium form. <i>Journal of Membrane Science</i> , 2016 , 518, 313-327	9.6	13
79	Modification of poly(vinyl chloride) films by aliphatic amines to prepare anion-exchange membranes for Cr (VI) removal. <i>Separation Science and Technology</i> , 2018 , 53, 1191-1197	2.5	12
78	Preparation and Characterization of Cellulose Acetate Propionate Films Functionalized with Reactive Ionic Liquids. <i>Polymers</i> , 2019 , 11,	4.5	12
77	Processes and Technologies for the Recycling of Spent Fluorescent Lamps. <i>Polish Journal of Chemical Technology</i> , 2014 , 16, 80-85	1	12
76	Transport Properties of Ion-Exchange Membranes During Pervaporation of Water-Alcohol Mixtures. <i>Separation Science and Technology</i> , 2005 , 40, 2277-2295	2.5	12
75	Transport of electrolytes across charged membranes. Part IV. Frictional interactions of the neutral and alkaline permeants and the permeability/reflection phenomena. <i>Journal of Membrane Science</i> , 1991 , 56, 99-112	9.6	12
74	Novel heterogeneous membranes for enhanced separation in organic-organic pervaporation. <i>Journal of Membrane Science</i> , 2020 , 599, 117814	9.6	12

73	Fluorinated MOF-808 with various modulators to fabricate high-performance hybrid membranes with enhanced hydrophobicity for organic-organic pervaporation. <i>Separation and Purification Technology</i> , 2021 , 264, 118315	8.3	12
72	Tunable separation via chemical functionalization of polyvinylidene fluoride membranes using piranha reagent. <i>Journal of Membrane Science</i> , 2017 , 541, 567-579	9.6	11
71	Gas Sensor System for the Determination of Methane in Water. <i>Procedia Engineering</i> , 2014 , 87, 1445-1448		11
70	Influence of the chosen process parameters on the efficiency of seawater desalination: SWRO pilot plant results at Urla Bay seashore. <i>Desalination and Water Treatment</i> , 2009 , 5, 167-171		11
69	A comparison of three solvent-free techniques coupled with gas chromatography for determining trihalomethanes in urine samples. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 691-8	4.4	11
68	Preparation and Properties of Organophilic Membranes for Pervaporation of Water-Organics Mixtures. <i>Separation Science and Technology</i> , 2003 , 38, 3669-3687	2.5	11
67	Anion exchange membranes in lithium extraction by means of capacitive deionization system	75, 331-341	11
66	Pervaporative butanol removal from PBE fermentation broths for the bioconversion of glycerol by <i>Clostridium pasteurianum</i> . <i>Journal of Membrane Science</i> , 2017 , 535, 79-88	9.6	10
65	Direct contact membrane distillation for effective concentration of perfluoroalkyl substances - Impact of surface fouling and material stability. <i>Water Research</i> , 2020 , 182, 116010	12.5	10
64	Pervaporation of volatile organohalogen compounds through polydimethylsiloxane membrane. <i>Desalination</i> , 2010 , 264, 160-164	10.3	10
63	Properties of Interpolymer PESS Ion-Exchange Membranes in Contact with Solvents of Different Polarities. <i>Separation Science and Technology</i> , 1997 , 32, 1657-1667	2.5	10
62	Membrane Selectivity in Pervaporation. <i>Separation Science and Technology</i> , 1996 , 31, 1555-1571	2.5	10
61	Importance of the cross-effects in the transport through ion-exchange membranes. <i>Journal of Membrane Science</i> , 2007 , 297, 226-235	9.6	9
60	Revisiting Wetting, Freezing, and Evaporation Mechanisms of Water on Copper. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 37893-37903	9.5	9
59	Crystalline porous frameworks as nano-enhancers for membrane liquid separation [Recent developments. <i>Coordination Chemistry Reviews</i> , 2021 , 440, 213969	23.2	9
58	Pervaporative efficiency of organic solvents separation employing hydrophilic and hydrophobic commercial polymeric membranes. <i>Journal of Membrane Science</i> , 2018 , 564, 444-455	9.6	8
57	Membrane-assisted removal of hydrocarbons from contaminated soils [Laboratory test results. <i>Desalination</i> , 2009 , 241, 218-226	10.3	8
56	A Review on Ionic Liquids-Based Membranes for Middle and High Temperature Polymer Electrolyte Membrane Fuel Cells (PEM FCs). <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	8

55	Highly effective enzymes immobilization on ceramics: Requirements for supports and enzymes. <i>Science of the Total Environment</i> , 2021 , 801, 149647	10.2	8
54	Activation of PVDF membranes through facile hydroxylation of the polymeric dope. <i>Journal of Materials Research</i> , 2017 , 32, 4219-4231	2.5	7
53	Covalent surface entanglement of polyvinylidene fluoride membranes with carbon nanotubes. <i>European Polymer Journal</i> , 2018 , 100, 153-164	5.2	7
52	Transport of dilute organics through dense membranes: Assessing impact on membrane-solute interactions. <i>Journal of Membrane Science</i> , 2017 , 523, 346-354	9.6	7
51	Application of pervaporation and osmotic membrane distillation to the regeneration of spent solutions from the osmotic food dehydration. <i>Polish Journal of Chemical Technology</i> , 2009 , 11, 41-45	1	7
50	Ab initio study of cationic polymeric membranes in water and methanol. <i>Ionics</i> , 2016 , 22, 357-367	2.7	6
49	Procedure of determination of volatile trihalomethanes in human urine with pervaporation and gas chromatography. <i>International Journal of Environmental Analytical Chemistry</i> , 2007 , 87, 449-457	1.8	6
48	Swelling Properties of Ion-Exchange Membranes in Contact with Water/Alcohol Mixtures. <i>Separation Science and Technology</i> , 2005 , 39, 2137-2154	2.5	6
47	Silica Filled Polyphenylsulfone/Polydimethylsiloxane Composite Membranes for Pervaporation Separation of Biobutanol from ABE Mixtures. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020 , 156, 108099	3.7	6
46	Molecular Decoration of Ceramic Supports for Highly Effective Enzyme Immobilization-Material Approach. <i>Materials</i> , 2021 , 14,	3.5	6
45	The Effects of PEI Hollow Fiber Substrate Characteristics on PDMS/PEI Hollow Fiber Membranes for CO ₂ /N ₂ Separation. <i>Membranes</i> , 2021 , 11,	3.8	6
44	Polypropylene membranes with the double sensitivity effect. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	5
43	Advanced Material-Ordered Nanotubular Ceramic Membranes Covalently Capped with Single-Wall Carbon Nanotubes. <i>Materials</i> , 2018 , 11,	3.5	5
42	High Throughput Screening and Characterization Methods of Jordanian Oil Shale as a Case Study. <i>Energies</i> , 2019 , 12, 3148	3.1	5
41	Thin Film Mixed Matrix Hollow Fiber Membrane Fabricated by Incorporation of Amine Functionalized Metal-Organic Framework for CO ₂ /N ₂ Separation. <i>Materials</i> , 2021 , 14,	3.5	5
40	Fabrication of Polydimethylsiloxane (PDMS) Dense Layer on Polyetherimide (PEI) Hollow Fiber Support for the Efficient CO ₂ /N ₂ Separation Membranes. <i>Polymers</i> , 2021 , 13,	4.5	5
39	Carbon nanohorn improved durable PVDF membranes - The future of membrane distillation and desalination. <i>Desalination</i> , 2021 , 511, 115117	10.3	5
38	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. <i>Journal of Membrane Science</i> , 2021 , 638, 119674	9.6	5

37	Recent demulsification methods of crude oil emulsions [Brief review. <i>Journal of Petroleum Science and Engineering</i> , 2022 , 110643	4.4	5
36	Preparation and Characterization of Polyphenylsulfone (PPSU) Membranes for Biogas Upgrading. <i>Materials</i> , 2020 , 13,	3.5	4
35	How Can the Desert Beetle and Biowaste Inspire Hybrid Separation Materials for Water Desalination?. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 11268-11283	9.5	4
34	Improvement of separation and transport performance of ultrafiltration membranes by magnetically active nanolayer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 569, 67-77	5.1	4
33	Transport properties and fouling issues of membranes utilized for the concentration of dairy products by air-gap membrane distillation and microfiltration. <i>Chemical Papers</i> , 2019 , 73, 565-582	1.9	4
32	Evaluation of CO ₂ separation performance with enhanced features of materials [Pebax] 2533 mixed matrix membranes containing ZIF-8-PEI@[P(3)HIm][Tf2N]. <i>Chemical Engineering Research and Design</i> , 2022 , 181, 195-208	5.5	4
31	Membranes with a plasma deposited titanium isopropoxide layer. <i>Chemical Papers</i> , 2016 , 70,	1.9	3
30	Modeling of the kinetics of pervaporative recovery of ethanol from fermented broth with the use of the solution-diffusion theory. <i>Desalination and Water Treatment</i> , 2010 , 14, 185-191		3
29	Pyrolysis Kinetic Parameters of Omari Oil Shale Using Thermogravimetric Analysis. <i>Energies</i> , 2020 , 13, 4060	3.1	3
28	A New Type of Composite Membrane PVA-NaY/PA-6 For Separation of Industrially Valuable Mixture Ethanol/Ethyl -Butyl Ether by Pervaporation. <i>Materials</i> , 2020 , 13,	3.5	3
27	Comparative Evaluation of CO ₂ Fixation of Microalgae Strains at Various CO ₂ Aeration Conditions. <i>Waste and Biomass Valorization</i> , 2021 , 12, 2999-3007	3.2	3
26	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. <i>Separation and Purification Technology</i> , 2021 , 248, 118707	8.3	3
25	Membrane assisted processing of acetone, butanol, and ethanol (ABE) aqueous streams. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021 , 166, 108462	3.7	3
24	Hybrid polymer/ionic liquid electrospun membranes with tunable surface charge for virus capture in aqueous environments. <i>Journal of Water Process Engineering</i> , 2021 , 43, 102278	6.7	3
23	Sulfonic Membrane Sorption and Permeation Properties: Complementary Approaches to Select a Membrane for Pervaporation. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 8523-8538	3.4	2
22	Transport of electrolytes through charged membranes [On the relations between the independent transport coefficients. <i>Desalination</i> , 2009 , 241, 75-80	10.3	2
21	Oxygen selective membrane for Li-air batteries Membrany selektywne względem tlenu w bateriach litowo-powietrznych. <i>Przemysł Chemiczny</i> , 2016 , 1, 88-94	1.8	2
20	Molecular activation of fluoropolymer membranes via base piranha treatment to enhance transport and mitigate fouling [new materials for water purification. <i>Journal of Membrane Science</i> , 2021 , 624, 119105	9.6	2

19	Physicochemical and magnetic properties of functionalized lanthanide oxides with enhanced hydrophobicity. <i>Applied Surface Science</i> , 2021 , 542, 148563	6.7	2
18	Monitoring System for Under-Water Pipe Line. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 287-291	0.2	2
17	Impact of Wastewater Spreading on Properties of Tunisian Soil under Arid Climate. <i>Sustainability</i> , 2022 , 14, 3177	3.6	2
16	Comparative analysis of separation methods used for the elimination of pharmaceuticals and personal care products (PPCPs) from water [A critical review. <i>Separation and Purification Technology</i> , 2022 , 290, 120797	8.3	2
15	A procedure for the determination of dichloromethane and tetrachloroethene in water using pervaporation and gas chromatography. <i>Chemical Papers</i> , 2011 , 65,	1.9	1
14	Conversion of Osmotic into Mechanical Energy in Systems with Charged Membranes. <i>Journal of Non-Equilibrium Thermodynamics</i> , 1990 , 15, 1-10	3.8	1
13	Advancements in proton exchange membranes for high-performance high-temperature proton exchange membrane fuel cells (HT-PEMFC). <i>Reviews in Chemical Engineering</i> , 2019 ,	5	1
12	The Impact of Reactive Ionic Liquids Addition on the Physicochemical and Sorption Properties of Poly(Vinyl Alcohol)-Based Films. <i>Polymers</i> , 2020 , 12,	4.5	1
11	Analysis of Membrane Transport Equations for Reverse Electrodialysis (RED) Using Irreversible Thermodynamics. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
10	The Synthesis of Poly(Vinyl Alcohol) Grafted with Fluorinated Protic Ionic Liquids Containing Sulfo Functional Groups. <i>Molecules</i> , 2021 , 26,	4.8	1
9	Fabrication of Polyamide-6 Membranes-The Effect of Gelation Time towards Their Morphological, Physical and Transport Properties.. <i>Membranes</i> , 2022 , 12,	3.8	1
8	Hedgehog-like structure, PVDF- carbon nanohorn hybrid membranes for improved removal of VOCs from water. <i>Chemical Engineering Journal</i> , 2022 , 438, 135574	14.7	1
7	The Chemical and Cytotoxic Properties of Sambucus nigra Extracts [A Natural Food Colorant. <i>Sustainability</i> , 2021 , 13, 12702	3.6	0
6	Tunable hydrophobicity and roughness on PVDF surface by grafting to mode [Approach to enhance membrane performance in membrane distillation process. <i>Separation and Purification Technology</i> , 2022 , 291, 120935	8.3	0
5	Are nanohedgehogs thirsty? Toward new superhydrophobic and anti-icing carbon nanohorn-polymer hybrid surfaces. <i>Chemical Engineering Journal</i> , 2022 , 446, 137126	14.7	0
4	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
3	Concentration of viscous food solutions by membrane contactors. <i>Desalination</i> , 2006 , 200, 533-534	10.3	
2	Adsorption modification of the zeolite surface with chitosan. <i>Chemical Bulletin of Kazakh National University</i> , 2019 , 20-26	0	

- 1 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