

# Alberto Figoli

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3998342/alberto-figoli-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

243  
papers

5,918  
citations

42  
h-index

63  
g-index

255  
ext. papers

7,238  
ext. citations

6.2  
avg, IF

6.27  
L-index

#	Paper	IF	Citations
243	Towards non-toxic solvents for membrane preparation: a review. <i>Green Chemistry</i> , <b>2014</b> , 16, 4034	10	233
242	Remediation of inorganic arsenic in groundwater for safe water supply: a critical assessment of technological solutions. <i>Chemosphere</i> , <b>2013</b> , 92, 157-70	8.4	221
241	Influence of operating parameters on the arsenic removal by nanofiltration. <i>Water Research</i> , <b>2010</b> , 44, 97-104	12.5	177
240	Preparation of hollow fibre membranes from PVDF/PVP blends and their application in VMD. <i>Journal of Membrane Science</i> , <b>2010</b> , 364, 219-232	9.6	159
239	Advances in biopolymer-based membrane preparation and applications. <i>Journal of Membrane Science</i> , <b>2018</b> , 564, 562-586	9.6	148
238	Treatment of dye solutions by vacuum membrane distillation. <i>Water Research</i> , <b>2008</b> , 42, 5031-7	12.5	146
237	Progress of Nanocomposite Membranes for Water Treatment. <i>Membranes</i> , <b>2018</b> , 8,	3.8	116
236	Towards the dehydration of ethanol using pervaporation cross-linked poly(vinyl alcohol)/graphene oxide membranes. <i>Journal of Membrane Science</i> , <b>2019</b> , 582, 423-434	9.6	101
235	Performance of PDMS membranes in pervaporation: effect of silicalite fillers and comparison with SBS membranes. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 346, 254-64	9.3	91
234	Integrated membrane process for the production of highly nutritional kiwifruit juice. <i>Desalination</i> , <b>2006</b> , 189, 21-30	10.3	91
233	Novel PVDF hollow fiber membranes for vacuum and direct contact membrane distillation applications. <i>Separation and Purification Technology</i> , <b>2013</b> , 115, 27-38	8.3	89
232	New frontiers in sustainable membrane preparation: Cyrene as green bioderived solvent. <i>Journal of Membrane Science</i> , <b>2019</b> , 580, 224-234	9.6	82
231	Chitosan hollow fibers as effective biosorbent toward dye: preparation and modeling. <i>Bioresource Technology</i> , <b>2012</b> , 121, 212-20	11	79
230	Membrane Bioreactor (MBR) Technology as Promising Approach for Industrial Water Reuse. <i>Procedia Engineering</i> , <b>2012</b> , 33, 234-241		72
229	Polyethersulfone membranes prepared with Rhodiasolv Polarclean as water soluble green solvent. <i>Journal of Membrane Science</i> , <b>2018</b> , 549, 192-204	9.6	66
228	Pervaporation separation of MeOH/MTBE mixtures with modified PEEK membrane: Effect of operating conditions. <i>Journal of Membrane Science</i> , <b>2011</b> , 371, 1-9	9.6	60
227	Composite hollow fiber nanofiltration membranes for recovery of glyphosate from saline wastewater. <i>Water Research</i> , <b>2013</b> , 47, 2065-74	12.5	58

226	Novel PVDF-HFP flat sheet membranes prepared by triethyl phosphate (TEP) solvent for direct contact membrane distillation. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2016</b> , 102, 16-26	3.7	57
225	ECTFE membrane preparation for recovery of humidified gas streams using membrane condenser. <i>Reactive and Functional Polymers</i> , <b>2014</b> , 79, 1-7	4.6	56
224	New organophilic mixed matrix membranes derived from a polymer of intrinsic microporosity and silicalite-1. <i>Polymer</i> , <b>2013</b> , 54, 2222-2230	3.9	55
223	Macro-porous ceramic supports for membranes prepared from quartz sand and calcite mixtures. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 3159-3165	6	53
222	Matrimid <sup>®</sup> 5218 dense membrane for the separation of azeotropic MeOH-MTBE mixtures by pervaporation. <i>Separation and Purification Technology</i> , <b>2018</b> , 199, 27-36	8.3	53
221	Novel composite poly(4-vinylpyridine)/polypropylene membranes with recognition properties for (S)-naproxen. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2005</b> , 37, 1003-8	3.5	52
220	Preparation and Characterization of TiO <sub>2</sub> /PVDF/PMMA Blend Membranes Using an Alternative Non-Toxic Solvent for UF/MF and Photocatalytic Application. <i>Molecules</i> , <b>2019</b> , 24,	4.8	51
219	Hollow fibers for seawater desalination from blends of PVDF with different molecular weights: Morphology, properties and VMD performance. <i>Polymer</i> , <b>2014</b> , 55, 1296-1306	3.9	51
218	Renewable energy management and market in Iran: A holistic review on current state and future demands. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 80, 774-788	16.2	50
217	Pervaporation performance of unfilled and filled PDMS membranes and novel SBS membranes for the removal of toluene from diluted aqueous solutions. <i>Chemical Engineering Journal</i> , <b>2010</b> , 159, 37-46	14.7	50
216	Facilitated oxygen transport in liquid membranes: review and new concepts. <i>Journal of Membrane Science</i> , <b>2001</b> , 181, 97-110	9.6	50
215	Novel low-fouling membrane bioreactor (MBR) for industrial wastewater treatment. <i>Journal of Membrane Science</i> , <b>2016</b> , 510, 524-532	9.6	49
214	Pervaporation separation of ethanol/ETBE mixture using poly(lactic acid)/poly(vinyl pyrrolidone) blend membranes. <i>Journal of Membrane Science</i> , <b>2011</b> , 373, 29-35	9.6	49
213	Performance of a nanofiltration membrane for removal of ethanol from aqueous solutions by pervaporation. <i>Separation and Purification Technology</i> , <b>2008</b> , 60, 54-63	8.3	49
212	A systematic review on carbohydrate biopolymers for adsorptive remediation of copper ions from aqueous environments-part A: Classification and modification strategies. <i>Science of the Total Environment</i> , <b>2020</b> , 738, 139829	10.2	48
211	Effect of citrate-based non-toxic solvents on poly(vinylidene fluoride) membrane preparation via thermally induced phase separation. <i>Journal of Membrane Science</i> , <b>2015</b> , 493, 232-242	9.6	47
210	Asymmetric membranes of modified poly(ether ether ketone) with an ultra-thin skin for gas and vapour separations. <i>Journal of Membrane Science</i> , <b>2006</b> , 272, 188-197	9.6	47
209	The Formation of Polyvinylidene Fluoride Membranes with Tailored Properties via Vapour/Non-Solvent Induced Phase Separation. <i>Membranes</i> , <b>2018</b> , 8,	3.8	47

208	Dimethyl Isosorbide As a Green Solvent for Sustainable Ultrafiltration and Microfiltration Membrane Preparation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 659-668	8.3	46
207	Development and characterization of tubular composite ceramic membranes using natural alumino-silicates for microfiltration applications. <i>Materials Characterization</i> , <b>2015</b> , 103, 18-27	3.9	44
206	A step forward to a more efficient wastewater treatment by membrane surface modification via polymerizable bicontinuous microemulsion. <i>Journal of Membrane Science</i> , <b>2015</b> , 482, 103-114	9.6	44
205	Innovative hydrophobic coating of perfluoropolyether (PFPE) on commercial hydrophilic membranes for DCMD application. <i>Journal of Membrane Science</i> , <b>2017</b> , 522, 192-201	9.6	43
204	Removal of As(V) by PVDF hollow fibers membrane contactors using Aliquat-336 as extractant. <i>Desalination</i> , <b>2010</b> , 264, 193-200	10.3	43
203	Mixed matrix membranes (MMMs) for ethanol purification through pervaporation: current state of the art. <i>Reviews in Chemical Engineering</i> , <b>2019</b> , 35, 565-590	5	42
202	Poly(lactic acid)/poly(vinyl pyrrolidone) blend membranes: Effect of membrane composition on pervaporation separation of ethanol/cyclohexane mixture. <i>Journal of Membrane Science</i> , <b>2010</b> , 362, 105-112	9.6	42
201	Graphene oxide filled polyimide membranes in pervaporative separation of azeotropic methanol/MTBE mixtures. <i>Separation and Purification Technology</i> , <b>2019</b> , 224, 265-272	8.3	41
200	Preparation of asymmetric PEEKWC flat membranes with different microstructures by wet phase inversion. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 576-591	2.9	41
199	Unprecedented preparation of porous Matrimid <sup>®</sup> 5218 membranes. <i>Journal of Membrane Science</i> , <b>2019</b> , 585, 166-174	9.6	40
198	Toward the Next Generation of Sustainable Membranes from Green Chemistry Principles. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 50-75	8.3	40
197	Mechanical, swelling and adsorptive properties of dry/wet spun chitosan hollow fibers crosslinked with glutaraldehyde. <i>Reactive and Functional Polymers</i> , <b>2013</b> , 73, 218-223	4.6	39
196	Determination of Parameters Affecting Transport in Polymeric Membranes: Parallels between Pervaporation and Nanofiltration. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 13273-13279	3.4	39
195	DMSO EVOL <sup>®</sup> as novel non-toxic solvent for polyethersulfone membrane preparation. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 14774-14785	5.1	38
194	Preparation and characterization of ECTFE solvent resistant membranes and their application in pervaporation of toluene/water mixtures. <i>Separation and Purification Technology</i> , <b>2012</b> , 90, 147-161	8.3	37
193	Fenton-like catalytic activity of wet-spun chitosan hollow fibers loaded with Fe <sub>3</sub> O <sub>4</sub> nanoparticles: Batch and continuous flow investigations. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 398, 353-357		37
192	Arsenic-contaminated groundwaters remediation by nanofiltration. <i>Separation and Purification Technology</i> , <b>2020</b> , 238, 116461	8.3	37
191	Modification of polyvinyl chloride (PVC) membrane for vacuum membrane distillation (VMD) application. <i>Desalination</i> , <b>2015</b> , 373, 58-70	10.3	36

190	A fundamental study of the physicochemical properties of Rhodiasolv <sup>®</sup> Polarclean: A promising alternative to common and hazardous solvents. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 224, 1163-1171	6	36
189	TamiSolve <sup>®</sup> NxG as novel solvent for polymeric membrane preparation. <i>Journal of Membrane Science</i> , <b>2017</b> , 542, 418-429	9.6	36
188	PVDF-MFI mixed matrix membranes as VOCs adsorbers. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 207, 126-133	5.3	36
187	Poly(ether sulfone) (PES) hollow-fiber membranes prepared from various spinning parameters. <i>Desalination</i> , <b>2014</b> , 345, 21-35	10.3	35
186	Chitosan-Polyoxometalate Nanocomposites: Synthesis, Characterization and Application as Antimicrobial Agents. <i>Journal of Cluster Science</i> , <b>2014</b> , 25, 839-854	3	34
185	Waste Gaseous Streams: From Environmental Issue to Source of Water by Using Membrane Condensers. <i>Clean - Soil, Air, Water</i> , <b>2014</b> , 42, 1145-1153	1.6	33
184	Hydrophilic PEEK-WC hollow fibre membrane contactors for chromium (Vi) removal. <i>Desalination</i> , <b>2011</b> , 283, 16-24	10.3	33
183	Bergamot essential oil extraction by pervaporation. <i>Desalination</i> , <b>2006</b> , 193, 160-165	10.3	33
182	Heme-protein active site models via self-assembly in water. <i>Organic Letters</i> , <b>2003</b> , 5, 3367-70	6.2	32
181	Strategy for scale-up of SBS pervaporation membranes for ethanol recovery from diluted aqueous solutions. <i>Separation and Purification Technology</i> , <b>2017</b> , 176, 252-261	8.3	30
180	Preparation and characterization of green polylactic acid (PLA) membranes for organic/organic separation by pervaporation. <i>Clean Technologies and Environmental Policy</i> , <b>2019</b> , 21, 109-120	4.3	30
179	Chemical and bio-chemical reactions assisted by pervaporation technology. <i>Critical Reviews in Biotechnology</i> , <b>2019</b> , 39, 884-903	9.4	29
178	Effect of selected spinning parameters on PVDF hollow fiber morphology for potential application in desalination by VMD. <i>Desalination</i> , <b>2014</b> , 344, 28-35	10.3	28
177	Characteristics and performance of a "universal" membrane suitable for gas separation, pervaporation, and nanofiltration applications. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 13799-803	3.4	28
176	Development of graphene-PVDF composite membranes for membrane distillation. <i>Journal of Membrane Science</i> , <b>2020</b> , 604, 118017	9.6	27
175	New PVDF microcapsules for application in catalysis. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 80, 185-194	4.8	27
174	Ultra-thin asymmetric gas separation membranes of modified PEEK prepared by the dry/wet phase inversion technique. <i>Desalination</i> , <b>2006</b> , 193, 58-65	10.3	27
173	UV-LED induced bicontinuous microemulsions polymerisation for surface modification of commercial membranes [Enhancing the antifouling properties. <i>Separation and Purification Technology</i> , <b>2018</b> , 194, 149-160	8.3	27

172	Multi-hydrophilic functional network enables porous membranes excellent anti-fouling performance for highly efficient water remediation. <i>Journal of Membrane Science</i> , <b>2020</b> , 608, 118191	9.6	26
171	A novel Ru $\beta$ polyethersulfone (PES) catalytic membrane for highly efficient and selective hydrogenation of furfural to furfuryl alcohol. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 4955-4965	13	26
170	Organic/organic mixture separation by using novel ECTFE polymeric pervaporation membranes. <i>Polymer</i> , <b>2016</b> , 98, 110-117	3.9	26
169	Poly(vinyl chloride) hollow-fiber membranes for ultrafiltration applications: Effects of the internal coagulant composition. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 124, 2087-2099	2.9	26
168	Evaluation of pervaporation process of kiwifruit juice by SPME-GC/Ion Trap Mass Spectrometry. <i>Desalination</i> , <b>2010</b> , 250, 1113-1117	10.3	26
167	A non-invasive optical method for mapping temperature polarization in direct contact membrane distillation. <i>Journal of Membrane Science</i> , <b>2017</b> , 536, 156-166	9.6	25
166	Adhesion forces between humic acid functionalized colloidal probes and polymer membranes to assess fouling potential. <i>Journal of Membrane Science</i> , <b>2015</b> , 484, 35-46	9.6	25
165	Hollow Fiber Ultrafiltration Membranes from Poly(Vinyl Chloride): Preparation, Morphologies, and Properties. <i>Separation Science and Technology</i> , <b>2011</b> , 46, 2199-2210	2.5	25
164	Pressure-driven and thermally-driven membrane operations for the treatment of arsenic-contaminated waters: A comparison. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 370, 147-155	12.8	24
163	PEEKWC Capsules Prepared by Phase Inversion Technique: A Morphological and Dimensional Study. <i>Separation Science and Technology</i> , <b>2007</b> , 42, 2809-2827	2.5	24
162	Synthesis and Characterization of Silver Nanoparticles-Filled Polyethersulfone Membranes for Antibacterial and Anti-Biofouling Application. <i>Recent Patents on Nanotechnology</i> , <b>2016</b> , 10, 231-251	1.2	24
161	Preparation and characterization of PES-cobalt nanocomposite membranes with enhanced anti-fouling properties and performances. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2016</b> , 65, 405-419	5.3	24
160	Novel Photocatalytic PVDF/Nano-TiO $_2$ Hollow Fibers for Environmental Remediation. <i>Polymers</i> , <b>2018</b> , 10,	4.5	24
159	Removal of Dye from a Leather Tanning Factory by Flat-Sheet Blend Ultrafiltration (UF) Membrane. <i>Membranes</i> , <b>2020</b> , 10,	3.8	23
158	An alternative encapsulation approach for production of active chitosan $\beta$ propolis beads. <i>International Journal of Food Science and Technology</i> , <b>2014</b> , 49, 1401-1407	3.8	22
157	Performance of chitosan based nanocomposite hollow fibers in the removal of selenium(IV) from water. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 117, 309-317	5.5	22
156	Arsenic removal by liquid membranes. <i>Membranes</i> , <b>2015</b> , 5, 150-67	3.8	22
155	Effect of polymer composition in PEEKWC/PVP blends on pervaporation separation of ethanol/cyclohexane mixture. <i>Separation and Purification Technology</i> , <b>2010</b> , 75, 257-265	8.3	22

154	Sorption and pervaporation study of methanol/dimethyl carbonate mixture with poly(etheretherketone) (PEEK-WC) membrane. <i>Journal of Membrane Science</i> , <b>2018</b> , 567, 303-310	9.6	22
153	Pervaporation membranes <b>2015</b> , 19-63		21
152	Recent advances in pervaporation hollow fiber membranes for dehydration of organics. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 164, 68-85	5.5	21
151	Innovative Poly (Vinylidene Fluoride) (PVDF) Electrospun Nanofiber Membrane Preparation Using DMSO as a Low Toxicity Solvent. <i>Membranes</i> , <b>2020</b> , 10,	3.8	21
150	Novel low-fouling membranes from lab to pilot application in textile wastewater treatment. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 515, 208-220	9.3	21
149	As(III) oxidation by MnO <sub>2</sub> coated PEEK-WC nanostructured capsules. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 211-212, 281-7	12.8	21
148	Preparation and Characterization of Polymeric-Hybrid PES/TiO <sub>2</sub> Hollow Fiber Membranes for Potential Applications in Water Treatment. <i>Fibers</i> , <b>2017</b> , 5, 14	3.7	21
147	Ordering phenomena in nanostructured poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) (SBS) membranes for selective ethanol transport. <i>Journal of Membrane Science</i> , <b>2011</b> , 385-386, 162-170	9.6	21
146	Biopolymers for sustainable membranes in CO <sub>2</sub> separation: a review. <i>Fuel Processing Technology</i> , <b>2021</b> , 213, 106643	7.2	21
145	Removal of Dyes Using Graphene Oxide (GO) Mixed Matrix Membranes. <i>Membranes</i> , <b>2020</b> , 10,	3.8	20
144	Geochemical modeling of chromium release in natural waters and treatment by RO/NF membrane processes. <i>Chemosphere</i> , <b>2020</b> , 254, 126696	8.4	19
143	Separation of proteins and antifouling properties of polyphenylsulfone based mixed matrix hollow fiber membranes. <i>Separation and Purification Technology</i> , <b>2017</b> , 174, 529-543	8.3	19
142	A multivariate non-parametric approach for estimating probability of exceeding the local natural background level of arsenic in the aquifers of Calabria region (Southern Italy). <i>Science of the Total Environment</i> , <b>2022</b> , 806, 150345	10.2	19
141	Development of a novel perfluoropolyether (PFPE) hydrophobic/hydrophilic coated membranes for water treatment. <i>Journal of Membrane Science</i> , <b>2019</b> , 581, 58-71	9.6	18
140	Arsenic removal using a sulfonated poly(ether ether ketone) coated hollow fiber nanofiltration membrane. <i>Environmental Science: Water Research and Technology</i> , <b>2015</b> , 1, 839-845	4.2	18
139	Polyethersulfone hollow fiber membranes prepared with Polarclean <sup>®</sup> as a more sustainable solvent. <i>Journal of Membrane Science</i> , <b>2020</b> , 608, 118216	9.6	18
138	Experimental Investigation of the Effect of Implanting TiO <sub>2</sub> -NPs on PVC for Long-Term UF Membrane Performance to Treat Refinery Wastewater. <i>Membranes</i> , <b>2020</b> , 10,	3.8	18
137	ECTFE membranes produced by non-toxic diluents for organic solvent filtration separation. <i>RSC Advances</i> , <b>2016</b> , 6, 81001-81012	3.7	18

136	Application of ionic liquid polymeric microsphere in oil field scale control process. <i>Journal of Petroleum Science and Engineering</i> , <b>2013</b> , 112, 69-77	4.4	18
135	Preparation and characterization of ionic liquid polymer microspheres [PEEKWC/DMF/CYPHOS IL 101] using the phase-inversion technique. <i>Separation and Purification Technology</i> , <b>2012</b> , 97, 179-185	8.3	18
134	Combined emulsion and phase inversion techniques for the preparation of catalytic PVDF microcapsules. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 11264-9	3.4	18
133	First Exploration on a Poly(vinyl chloride) Ultrafiltration Membrane Prepared by Using the Sustainable Green Solvent PolarClean. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 91-101	8.3	18
132	Polymeric microspheres preparation by membrane emulsification-phase separation induced process. <i>Journal of Membrane Science</i> , <b>2013</b> , 448, 190-197	9.6	17
131	Preparation of Polymeric Membranes and Microcapsules Using an Ionic Liquid as Morphology Control Additive. <i>Macromolecular Symposia</i> , <b>2015</b> , 357, 159-167	0.8	17
130	Polyvinylidene Fluoride-Graphene Oxide Membranes for Dye Removal under Visible Light Irradiation. <i>Polymers</i> , <b>2020</b> , 12,	4.5	17
129	New PEEK-WC and PLA membranes for H <sub>2</sub> separation. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 22138-22148	6.7	16
128	Low content nano-polyrhodanine modified polysulfone membranes with superior properties and their performance for wastewater treatment. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 2043-2054	7.1	16
127	PES-Kaolin Mixed Matrix Membranes for Arsenic Removal from Water. <i>Membranes</i> , <b>2017</b> , 7,	3.8	16
126	A more sustainable membrane preparation using triethyl phosphate as solvent. <i>Green Processing and Synthesis</i> , <b>2017</b> , 6,	3.9	15
125	Effects of ozone on morpho-anatomy and physiology of Hedera helix. <i>Chemosphere</i> , <b>1998</b> , 36, 651-656	8.4	15
124	Hydrogels: Novel materials for contaminant removal in water—a review. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2021</b> , 51, 1970-2014	11.1	15
123	Preparation, characterization and application of iron (III)-loaded chitosan hollow fiber membranes as a new bio-based As (V) sorbent. <i>Journal of Polymer Research</i> , <b>2014</b> , 21, 1	2.7	14
122	Vacuum Membrane Dryer (VMDr) for the recovery of solid microparticles from aqueous solutions. <i>Journal of Membrane Science</i> , <b>2014</b> , 472, 67-76	9.6	14
121	Polymeric beads containing Cyanex 923 for actinide uptake from nitric acid medium: Studies with uranium and plutonium. <i>Journal of Chromatography A</i> , <b>2013</b> , 1305, 48-54	4.5	14
120	Enzyme-assisted pervaporative recovery of concentrated bergamot peel oils. <i>Desalination</i> , <b>2006</b> , 199, 111-112	10.3	14
119	Recent advances in polymer membranes employing non-toxic solvents and materials. <i>Green Chemistry</i> , <b>2021</b> , 23, 9815-9843	10	14



118	Arsenic polluted waters: Application of geochemical modelling as a tool to understand the release and fate of the pollutant in crystalline aquifers. <i>Journal of Environmental Management</i> , <b>2022</b> , 301, 113796	7.9	14
117	Clarification of Orange Press Liquors by PVDF Hollow Fiber Membranes. <i>Membranes</i> , <b>2016</b> , 6,	3.8	14
116	Experimental Evaluation of the Thermal Polarization in Direct Contact Membrane Distillation Using Electrospun Nanofiber Membranes Doped With Molecular Probes. <i>Molecules</i> , <b>2019</b> , 24,	4.8	14
115	Fabrication of electrospun keratin nanofiber membranes for air and water treatment. <i>Polymer Engineering and Science</i> , <b>2019</b> , 59, 1472-1478	2.3	13
114	Submerged Membrane Bioreactor (SMBR) for Treatment of Textile Dye Wastewatertowards Developing Novel MBR Process. <i>APCBEE Procedia</i> , <b>2013</b> , 5, 259-264		13
113	Functional Properties of Punica granatum L. Juice Clarified by Hollow Fiber Membranes. <i>Processes</i> , <b>2016</b> , 4, 21	2.9	13
112	PLA Easy Fil White-based membranes for CO2 separation <b>2019</b> , 9, 360-369		12
111	Membrane Bioreactor and Promising Application for Textile Industry in Vietnam. <i>Procedia CIRP</i> , <b>2016</b> , 40, 419-424	1.8	12
110	Concentration of Bioactive Compounds from Elderberry (Sambucus nigra L.) Juice by Nanofiltration Membranes. <i>Plant Foods for Human Nutrition</i> , <b>2018</b> , 73, 336-343	3.9	12
109	Tailoring PES membrane morphology and properties via selected preparation parameters. <i>Journal of Polymer Engineering</i> , <b>2017</b> , 37, 69-81	1.4	12
108	Low temperature sputtered TiO2 nano sheaths on electrospun PES fibers as high porosity photoactive material. <i>RSC Advances</i> , <b>2015</b> , 5, 73444-73450	3.7	11
107	Synthesis and characterization of ultrafiltration ceramic membranes used in the separation of macromolecular proteins. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 5967-5973	6	11
106	Seawater desalination using PVDF-HFP membrane in DCMD process: assessment of operating condition by response surface method. <i>Chemical Engineering Communications</i> , <b>2019</b> , 206, 237-246	2.2	11
105	Flower and Leaf Extracts of L.: Application of Membrane Processes to Obtain Fractions with Antioxidant and Antityrosinase Properties. <i>Membranes</i> , <b>2019</b> , 9,	3.8	11
104	Preparation and characterization of porous and nonporous polymeric microspheres by the phase inversion process. <i>Advances in Polymer Technology</i> , <b>2012</b> , 31, 231-241	1.9	11
103	Preparation and characterization of poly(vinyl chloride)/polystyrene/poly(ethylene glycol) hollow-fiber ultrafiltration membranes. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 989-1004	2.9	11
102	Hydrogen mixture separation with PEEK-WC asymmetric membranes. <i>Separation and Purification Technology</i> , <b>2009</b> , 69, 195-204	8.3	11
101	Towards azeotropic MeOH-MTBE separation using pervaporation chitosan-based deep eutectic solvent membranes. <i>Separation and Purification Technology</i> , <b>2022</b> , 281, 119979	8.3	11

100	Polymeric membranes in biorefinery <b>2016</b> , 29-59		11
99	Exploring the Effect of Iron Metal-Organic Framework Particles in Polylactic Acid Membranes for the Azeotropic Separation of Organic/Organic Mixtures by Pervaporation. <i>Membranes</i> , <b>2021</b> , 11,	3.8	11
98	Synthesis and Antibacterial Activity of Polymerizable Acryloyloxyalkyltriethyl Ammonium Salts. <i>ChemPlusChem</i> , <b>2017</b> , 82, 1235-1244	2.8	10
97	Highly Saline Water Desalination Using Direct Contact Membrane Distillation (DCMD): Experimental and Simulation Study. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1575	3	10
96	Membrane Technology in Catalytic Carbonylation Reactions. <i>Catalysts</i> , <b>2019</b> , 9, 614	4	10
95	Development of Novel ECTFE Coated PP Composite Hollow-Fiber Membranes. <i>Coatings</i> , <b>2016</b> , 6, 40	2.9	10
94	Optimum operating conditions in hybrid water treatment process of multi-channel ceramic MF and polyethersulfone beads loaded with photocatalyst. <i>Desalination and Water Treatment</i> , <b>2013</b> , 51, 5260-5267		9
93	Membrane contactor as a novel technique for separation of iron ions from ilmenite leachant. <i>International Journal of Mineral Processing</i> , <b>2010</b> , 96, 62-69		9
92	A systematic review on carbohydrate biopolymers for adsorptive remediation of copper ions from aqueous environments-Part B: Isotherms, thermokinetics and reusability. <i>Science of the Total Environment</i> , <b>2021</b> , 754, 142048	10.2	9
91	Use of reaction path modelling to investigate the evolution of water chemistry in shallow to deep crystalline aquifers with a special focus on fluoride.. <i>Science of the Total Environment</i> , <b>2022</b> , 830, 154566	10.2	9
90	Membrane-Based Clarification and Fractionation of Red Wine Lees Aqueous Extracts. <i>Polymers</i> , <b>2019</b> , 11,	4.5	8
89	Bromide ion exchange with a Keggin polyoxometalate on functionalized polymeric membranes: a theoretical and experimental study. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 2396-404	3.4	8
88	Pervaporation separation of methanol/methyl tert-butyl ether with poly(lactic acid) membranes. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a	2.9	8
87	PEEKWC microcapsules for selective oxidation of benzyl alcohols to aldehydes. <i>Catalysis Communications</i> , <b>2008</b> , 9, 2209-2212	3.2	8
86	Chromium (VI) removal by Aliquat-336 in a novel multiframe flat sheet membrane contactor. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2020</b> , 147, 107765	3.7	8
85	A Mini-Review of Enhancing Ultrafiltration Membranes (UF) for Wastewater Treatment: Performance and Stability. <i>ChemEngineering</i> , <b>2021</b> , 5, 34	2.6	8
84	Direct contact membrane distillation for the treatment of wastewater for a cooling tower in the power industry. <i>H2Open Journal</i> , <b>2018</b> , 1, 57-68	1.4	8
83	A review on phase-inversion technique-based polymer microsphere fabrication. <i>Colloids and Interface Science Communications</i> , <b>2021</b> , 40, 100329	5.4	8

82	Experimental and Theoretical Analysis of Lead Pb and Cd Retention from a Single Salt Using a Hollow Fiber PES Membrane. <i>Membranes</i> , <b>2020</b> , 10,	3.8	7
81	Dynamic Antifouling of Catalytic Pores Armed with Oxygenic Polyoxometalates. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1500034	4.6	7
80	Preparation and characterisation of novel PEEKWC capsules by phase inversion technique. <i>Desalination</i> , <b>2006</b> , 199, 115-117	10.3	7
79	Polymeric Membranes <b>2015</b> , 3-44		7
78	Small-scale membrane-based arsenic removal for decentralized applications-Developing a conceptual approach for future utilization. <i>Water Research</i> , <b>2021</b> , 196, 116978	12.5	7
77	Fluoride Polluted Groundwaters in Calabria Region (Southern Italy): Natural Source and Remediation. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 1626	3	7
76	Development of non-woven fabric-based ECTFE membranes for direct contact membrane distillation application. <i>Desalination</i> , <b>2021</b> , 500, 114879	10.3	7
75	Potentiality of polymeric membranes in aromatherapy: Application to bergamot essential oil. <i>Separation and Purification Technology</i> , <b>2018</b> , 207, 166-178	8.3	7
74	Preparation and characterization of hydrophobic P(VDF-HFP) flat sheet membranes using Tamisolve <sup>®</sup> NxG solvent for the treatment of saline water by direct contact membrane distillation and membrane crystallization. <i>Separation and Purification Technology</i> , <b>2021</b> , 275, 119144	8.3	7
73	Hydrogen and Oxygen Evolution in a Membrane Photoreactor Using Suspended Nanosized Au/TiO <sub>2</sub> and Au/CeO <sub>2</sub> . <i>ChemEngineering</i> , <b>2019</b> , 3, 5	2.6	6
72	Membrane Bioreactor-Treated Domestic Wastewater for Sustainable Reuse in the Lake Victoria Region. <i>Integrated Environmental Assessment and Management</i> , <b>2020</b> , 16, 942-953	2.5	6
71	Application of nanotechnology in drinking water purification <b>2017</b> , 119-167		6
70	Composite polymeric beads containing N,N,N',N'-tetraoctyldiglycolamide for actinide ion uptake from nitric acid feeds: Batch uptake, kinetic modelling and column studies. <i>Journal of Chromatography A</i> , <b>2015</b> , 1422, 206-212	4.5	6
69	Membrane Emulsification <b>2010</b> , 47-78		6
68	A polyoxometalate-based self-cleaning smart material with oxygenic activity for water remediation with membrane technology. <i>Applied Materials Today</i> , <b>2021</b> , 23, 101002	6.6	6
67	Fabrication of Gum Arabic-Graphene (GGA) Modified Polyphenylsulfone (PPSU) Mixed Matrix Membranes: A Systematic Evaluation Study for Ultrafiltration (UF) Applications. <i>Membranes</i> , <b>2021</b> , 11,	3.8	6
66	Polymeric Pervaporation Membranes: Organic-Organic Separation <b>2016</b> , 287-310		6
65	Performance of commercial membranes in a side-stream and submerged membrane bioreactor for model textile wastewater treatment. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 5275-5285		5

64	Design and testing of a pilot-scale submerged membrane bioreactor (MBR) for textile wastewater treatment. <i>Applied Water Science</i> , <b>2019</b> , 9, 1	5	5
63	Bio-based and agriculture resources for production of bioproducts <b>2020</b> , 263-282		5
62	Membranes for toxic- and heavy-metal removal <b>2020</b> , 125-149		5
61	Synthesis and Antibacterial Activity of Polymerizable Acryloyloxyalkyltriethyl Ammonium Salts. <i>ChemPlusChem</i> , <b>2017</b> , 82, 1233-1234	2.8	5
60	Treatment of Model Textile Dye Wastewater (MTDW) Towards Developing Novel Submerged Membrane Bioreactor Process. <i>Procedia Engineering</i> , <b>2012</b> , 44, 1768-1771		5
59	Sustainable fabrication and pervaporation application of bio-based membranes: Combining a polyhydroxyalkanoate (PHA) as biopolymer and Cyrene <sup>®</sup> as green solvent. <i>Journal of Membrane Science</i> , <b>2022</b> , 643, 120061	9.6	5
58	Extraction Kinetics of As(V) by Aliquat-336 Using Asymmetric PVDF Hollow-Fiber Membrane Contactors. <i>Membranes</i> , <b>2018</b> , 8,	3.8	5
57	Deep eutectic solvents [A new platform in membrane fabrication and membrane-assisted technologies. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 106414	6.8	5
56	Phosphonium ionic liquid-polyacrylate copolymer membranes for improved CO <sub>2</sub> separations. <i>Journal of Membrane Science</i> , <b>2021</b> , 635, 119479	9.6	5
55	Enhanced Anti-Fouling Behavior and Performance of PES Membrane by UV Treatment. <i>Processes</i> , <b>2021</b> , 9, 246	2.9	5
54	Antioxidant, Biochemical, and In-Life Effects of L. Natural Juice vs. Clarified Juice by Polyvinylidene Fluoride Membrane. <i>Foods</i> , <b>2020</b> , 9,	4.9	4
53	Synthesis of novel nanostructured mixed matrix membranes. <i>Desalination</i> , <b>2002</b> , 148, 401-405	10.3	4
52	MBR technology for textile wastewater treatment: First experience in Bangladesh. <i>Membrane Water Treatment</i> , <b>2014</b> , 5, 197-205		4
51	Fischer-Tropsch synthesis of syngas to liquid hydrocarbons <b>2020</b> , 217-248		4
50	A Systematic Framework for Optimizing a Sweeping Gas Membrane Distillation (SGMD). <i>Membranes</i> , <b>2020</b> , 10,	3.8	4
49	Antifouling Membranes Based on Cellulose Acetate (CA) Blended with Poly(acrylic acid) for Heavy Metal Remediation. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 4354	2.6	4
48	Synthesis and Characterization of a Thin-Film Composite Nanofiltration Membrane Based on Polyamide-Cellulose Acetate: Application for Water Purification. <i>Journal of Polymers and the Environment</i> , 1	4.5	4
47	Pervaporation and Membrane Contactors <b>2016</b> , 280-312		4

46	A novel approach for dissolving crystalline LDPE using non-toxic solvents for membranes preparation. <i>International Journal of Environmental Science and Technology</i> , <b>2019</b> , 16, 5375-5386	3.3	4
45	Modeling of Structure-Property Relationships of Polymerizable Surfactants with Antimicrobial Activity. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1972	2.6	4
44	Polymeric Membrane Materials for CO <sub>2</sub> Separations <b>2018</b> , 3-50		4
43	Tamisolve NxG as an Alternative Non-Toxic Solvent for the Preparation of Porous Poly (Vinylidene Fluoride) Membranes. <i>Polymers</i> , <b>2021</b> , 13,	4.5	4
42	Sustainable Route in Preparation of Polymeric Membranes. <i>Green Chemistry and Sustainable Technology</i> , <b>2017</b> , 97-120	1.1	3
41	New Polymeric Films with Antibacterial Activity Obtained by UV-induced Copolymerization of Acryloyloxyalkyltriethylammonium Salts with 2-Hydroethyl Methacrylate. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	3
40	Evaluation of radiation resistance of hollow fibers for possible application in radioactive waste treatment. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2017</b> , 311, 673-679	1.5	3
39	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> , <b>2020</b> , 13,	3.5	3
38	Development of Ru-PEEK-WC catalytic membrane using a more sustainable solvent for stable hydrogenation reactions. <i>Fuel Processing Technology</i> , <b>2021</b> , 216, 106766	7.2	3
37	Investigation of electric field-aligned edge-oxidized graphene oxide nanoplatelets in polyethersulfone matrix in terms of pure water permeation and dye rejection. <i>Polymers for Advanced Technologies</i> , <b>2021</b> , 32, 1531-1547	3.2	3
36	Performance Evaluation of Polyethersulfone Membranes for Competitive Removal of Cd <sup>2+</sup> , Co <sup>2+</sup> , and Pb <sup>2+</sup> Ions from Simulated Groundwater. <i>Geofluids</i> , <b>2021</b> , 2021, 1-11	1.5	3
35	Sorption of organic liquids in poly(ethylene chlorotrifluoroethylene) Halar <sup>®</sup> 901: Experimental and theoretical analysis. <i>Polymer Testing</i> , <b>2017</b> , 58, 199-207	4.5	2
34	Viscosity Modification of Polymerizable Bicontinuous Microemulsion by Controlled Radical Polymerization for Membrane Coating Applications. <i>Membranes</i> , <b>2020</b> , 10,	3.8	2
33	Ionic liquid loaded polyether sulfone microspheres for CO <sub>2</sub> separation. <i>Adsorption</i> , <b>2020</b> , 26, 737-747	2.6	2
32	Preparation of Novel Ionic Liquid Loaded Polymeric Microspheres by Membrane Emulsification Process. <i>Procedia Engineering</i> , <b>2012</b> , 44, 1287-1290		2
31	Physicochemical and electrochemical characterizations of organic montmorillonite (OMMT)/sulfonated poly(ether ether ketone) (SPEEK) composite membranes. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2010</b> , 5, 60-65	1.3	2
30	Preparation of thin film composite membranes using interfacial polymerization for treatment of industrial water containing heavy metals <b>2017</b> , 80-90		2
29	Launching deep eutectic solvents (DESs) and natural deep eutectic solvents (NADESS), in combination with different harmless co-solvents, for the preparation of more sustainable membranes. <i>Journal of Membrane Science</i> , <b>2022</b> , 649, 120387	9.6	2

28	One-Step Fabrication of Novel Polyethersulfone-Based Composite Electrospun Nanofiber Membranes for Food Industry Wastewater Treatment.. <i>Membranes</i> , <b>2022</b> , 12,	3.8	2
27	3.13 Membrane Emulsification Advances and Perspectives <b>2017</b> , 331-356		1
26	Methanol Separation From Liquid Mixtures Via Pervaporation Using Membranes <b>2018</b> , 361-380		1
25	Chromium(VI) Removal by Polyvinyl Chloride (PVC)/Aliquat-336 Polymeric Inclusion Membranes in a Multiframe Flat Sheet Membrane Module. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 2994	2.6	1
24	Rejection of Low Molecular Weight Solutes by Mean of Cnts: A Quantum Mechanics and Atomistic Study. <i>Procedia Engineering</i> , <b>2012</b> , 44, 371-372		1
23	Liquid Membrane in Gas Separations <b>2010</b> , 327-356		1
22	Membrane Emulsification: Principles and Applications463-497		1
21	Membranes for Food Packaging <b>2010</b> , 223-240		1
20	Fluorinated membranes as interfaces for application in catalysis. <i>Desalination</i> , <b>2010</b> , 250, 1147-1149	10.3	1
19	A Combination of Aqueous Extraction and Ultrafiltration for the Purification of Phycocyanin from .. <i>Microorganisms</i> , <b>2022</b> , 10,	4.9	1
18	The influence of coating super-hydrophobic carbon nanomaterials on the performance of membrane distillation. <i>Applied Water Science</i> , <b>2022</b> , 12, 1	5	1
17	Synthesis of a Thin-Film Polyamide-Cellulose Acetate Membrane: Effect of Monomers and Porosity on Nano-Filtration Performance. <i>Journal of Natural Fibers</i> ,1-18	1.8	1
16	Advancements in Sustainable PVDF Copolymer Membrane Preparation Using Rhodiasolv□ PolarClean as an Alternative Eco-Friendly Solvent. <i>Clean Technologies</i> , <b>2021</b> , 3, 761-786	3.4	1
15	Power Production by Biomass Gasification Technologies <b>2019</b> , 293-318		1
14	MBR and Integration With Renewable Energy Toward Suitable Autonomous Wastewater Treatment <b>2019</b> , 355-384		1
13	Inorganic Pollutants into Groundwater: From Geochemistry to Treatment. <i>Geofluids</i> , <b>2022</b> , 2022, 1-3	1.5	1
12	Porous Polymeric Membranes Doped with Halloysite Nanotubes and Oxygenic Polyoxometalates. <i>Advanced Materials Interfaces</i> ,2102152	4.6	0
11	Novel bio-polymer based membranes for CO <sub>2</sub> /CH <sub>4</sub> separation. <i>International Journal of Greenhouse Gas Control</i> , <b>2022</b> , 117, 103657	4.2	0

- 10 Fabrication of polyethersulfone/polyacrylonitrile electrospun nanofiber membrane for food industry wastewater treatment. *Journal of Water Process Engineering*, **2022**, 47, 102838 6.7 ○
- 9 Effect of Graphene Oxide on Liquid Water-Based Waterproofing Bituminous Membranes. *Polymers*, **2022**, 14, 2221 4.5 ○
- 8 Membrane-based power generation from seawater treatment and desalination processes **2020**, 239-261
- 7 REMOVED: Novel ECTFE (Halar®) Solvent Resistant Membranes in for Pervaporation Application. *Procedia Engineering*, **2012**, 44, 37-41
- 6 Membrane operations in wastewater treatment: complexation reactions coupled with membranes, pervaporation and membrane bioreactors **2013**, 731-762
- 5 Asymmetric membranes with controlled morphology from modified polyetheretherketone (PEEKWC): preparation and characterization.. *Materials Research Society Symposia Proceedings*, **2002**, 752, 1
- 4 Arsenic removal from natural contaminated groundwaters in Calabria Region (Italy) by nanofiltration **2019**, 599-600
- 3 Recovery of Volatile Aroma Molecules from Agro-Food Systems by Means of Pervaporation. *Food Bioactive Ingredients*, **2021**, 239-278 0.2
- 2 Pervaporation and membrane distillation technology in biorefinery **2022**, 251-280
- 1 Nanomaterials in polymeric membranes for water treatment applications. *Separation Science and Technology*, **2022**, 255-280 1.7