

Suzana P Nunes

List of Publications by Year in Descending Order

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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.

276
papers

10,009
citations

53
h-index

87
g-index

293
ext. papers

11,319
ext. citations

7.1
avg. IF

6.72
L-index

#	Paper	IF	Citations
276	Rapid fabrication of fluorinated covalent organic polymer membranes for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2022 , 648, 120345	9.6	3
275	Thermal treatment of hydroxyl functionalized polytriazole and its effect on gas transport: From crosslinking to carbon molecular sieve. <i>Journal of Membrane Science</i> , 2022 , 642, 119963	9.6	2
274	Production of sub-10 micrometre cellulose microbeads using isoporous membranes 2022 , 2, 100024		1
273	Polytriazole membranes with ultrathin tunable selective layer for crude oil fractionation. <i>Science</i> , 2022 , 376, 1105-1110	33.3	5
272	Recent advances in polymer membranes employing non-toxic solvents and materials. <i>Green Chemistry</i> , 2021 , 23, 9815-9843	10	14
271	Zwitterionic Triamine Monomer for the Fabrication of Thin-Film Composite Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 583-592	3.9	3
270	Microfluidic Integrated Organic Electrochemical Transistor with a Nanoporous Membrane for Amyloid- β Detection. <i>ACS Nano</i> , 2021 , 15, 8130-8141	16.7	18
269	Strategies for Integrated Capture and Conversion of CO from Dilute Flue Gases and the Atmosphere. <i>ChemSusChem</i> , 2021 , 14, 1805-1820	8.3	15
268	An Assistive Magnetic Skin System: Enabling Technology for Quadriplegics. <i>Advanced Engineering Materials</i> , 2021 , 23, 2000944	3.5	3
267	Biomimetic artificial water channel membranes for enhanced desalination. <i>Nature Nanotechnology</i> , 2021 , 16, 190-196	28.7	51
266	Fluorescence-assisted real-time study of magnetically immobilized enzyme stability in a crossflow membrane bioreactor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 610, 125687	5.1	5
265	Green solvents for membrane manufacture: Recent trends and perspectives. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021 , 28, 100427	7.9	15
264	Hydrophobic thin film composite nanofiltration membranes derived solely from sustainable sources. <i>Green Chemistry</i> , 2021 , 23, 1175-1184	10	35
263	Flexible isoporous air filters for high-efficiency particle capture. <i>Polymer</i> , 2021 , 213, 123278	3.9	2
262	Block Copolymer-Based Magnetic Mixed Matrix Membranes-Effect of Magnetic Field on Protein Permeation and Membrane Fouling. <i>Membranes</i> , 2021 , 11,	3.8	6
261	Relative Importance of Stochastic Assembly Process of Membrane Biofilm Increased as Biofilm Aged. <i>Frontiers in Microbiology</i> , 2021 , 12, 708531	5.7	1
260	Tunable membranes incorporating artificial water channels for high-performance brackish/low-salinity water reverse osmosis desalination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4

259	Enzyme catalysis coupled with artificial membranes towards process intensification in biorefinery- a review. <i>Bioresource Technology</i> , 2021 , 335, 125248	11	6
258	Naturally Extracted Hydrophobic Solvent and Self-Assembly in Interfacial Polymerization. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44824-44832	9.5	1
257	Fluorinated thin-film composite membranes for nonpolar organic solvent nanofiltration. <i>Separation and Purification Technology</i> , 2021 , 279, 119777	8.3	3
256	Engineering membranes with macrocycles for precise molecular separations. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 18102-18128	13	1
255	Green Synthesis of Thin-Film Composite Membranes for Organic Solvent Nanofiltration. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11541-11548	8.3	22
254	Spray-coated graphene oxide hollow fibers for nanofiltration. <i>Journal of Membrane Science</i> , 2020 , 606, 118006	9.6	12
253	Hierarchically porous electrospun nanofibrous mats produced from intrinsically microporous fluorinated polyimide for the removal of oils and non-polar solvents. <i>Environmental Science: Nano</i> , 2020 , 7, 1365-1372	7.1	33
252	Exploration of the Synergy Between 2D Nanosheets and a Non-2D Filler in Mixed Matrix Membranes for Gas Separation. <i>Frontiers in Chemistry</i> , 2020 , 8, 58	5	9
251	Enhanced CO ₂ separation in membranes with anion-cation dual pathways. <i>Journal of CO₂ Utilization</i> , 2020 , 38, 355-365	7.6	5
250	Two-dimensional nanochannel membranes for molecular and ionic separations. <i>Chemical Society Reviews</i> , 2020 , 49, 1071-1089	58.5	103
249	Can fouling in membranes be ever defeated?. <i>Current Opinion in Chemical Engineering</i> , 2020 , 28, 90-95	5.4	20
248	Oriented Zeolitic Imidazolate Framework (ZIF) Nanocrystal Films for Molecular Separation Membranes. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3839-3846	5.6	9
247	Nanofabrication of Isoporous Membranes for Cell Fractionation. <i>Scientific Reports</i> , 2020 , 10, 6138	4.9	13
246	Organic solvent and thermal resistant polytriazole membranes with enhanced mechanical properties cast from solutions in non-toxic solvents. <i>Journal of Membrane Science</i> , 2020 , 597, 117634	9.6	14
245	Ultrathin 2D-Layered Cyclodextrin Membranes for High- Performance Organic Solvent Nanofiltration. <i>Advanced Functional Materials</i> , 2020 , 30, 1906797	15.6	50
244	Thinking the future of membranes: Perspectives for advanced and new membrane materials and manufacturing processes. <i>Journal of Membrane Science</i> , 2020 , 598, 117761	9.6	160
243	Functionalization of Poly(oxindole biphenylene) membranes by photoinduced thiol-yne click chemistry. <i>Journal of Membrane Science</i> , 2020 , 598, 117673	9.6	7
242	Molecularly-porous ultrathin membranes for highly selective organic solvent nanofiltration. <i>Nature Communications</i> , 2020 , 11, 5882	17.4	25

241	Hollow Fibers with Encapsulated Green Amino Acid-Based Ionic Liquids for Dehydration. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 17763-17771	8.3	9
240	NEXARTM-coated hollow fibers for air dehumidification. <i>Journal of Membrane Science</i> , 2020 , 614, 118450-6		9
239	Carbon Quantum Dot-Enabled Tuning of the Microphase Structures of Poly(ether-b-amide) Membrane for CO ₂ Separation. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 14960-14969	3.9	7
238	Smart covalent organic networks (CONs) with "on-off-on" light-switchable pores for molecular separation. <i>Science Advances</i> , 2020 , 6, eabb3188	14.3	23
237	Preparation of PEEK Membranes with Excellent Stability Using Common Organic Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 5218-5226	3.9	11
236	Block Copolymer Membranes 2020 , 297-316		6
235	Linking microstructure of membranes and performance <i>Journal of Membrane Science</i> , 2020 , 594, 1174-19	4.9	7
234	Cellulose hollow fibers for organic resistant nanofiltration. <i>Journal of Membrane Science</i> , 2019 , 586, 151-161	4.61	31
233	Hollow fibre membrane-based liquid desiccant humidity control for controlled environment agriculture. <i>Biosystems Engineering</i> , 2019 , 183, 47-57	4.8	9
232	High flux membranes, based on self-assembled and H-bond linked triblock copolymer nanospheres. <i>Journal of Membrane Science</i> , 2019 , 585, 10-18	9.6	9
231	Interfacial Polymerization of Zwitterionic Building Blocks for High-Flux Nanofiltration Membranes. <i>Langmuir</i> , 2019 , 35, 1284-1293	4	49
230	An organic electrochemical transistor integrated with a molecularly selective isoporous membrane for amyloid- β detection. <i>Biosensors and Bioelectronics</i> , 2019 , 143, 111561	11.8	23
229	Recycled Poly(ethylene terephthalate) for High Temperature Solvent Resistant Membranes. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 2379-2387	4.3	32
228	3D Analysis of Ordered Porous Polymeric Particles using Complementary Electron Microscopy Methods. <i>Scientific Reports</i> , 2019 , 9, 13987	4.9	10
227	2D-dual-spacing channel membranes for high performance organic solvent nanofiltration. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11673-11682	13	53
226	Cyclodextrin polymer networks decorated with subnanometer metal nanoparticles for high-performance low-temperature catalysis. <i>Science Advances</i> , 2019 , 5, eaax6976	14.3	24
225	Stable Graphene Oxide Cross-Linked Membranes for Organic Solvent Nanofiltration. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 23106-23113	3.9	15
224	Fabrication of Hollow Fiber Membranes Using Highly Viscous Liquids as Internal Coagulants. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 22343-22349	3.9	4

223	Diffusion-induced in situ growth of covalent organic frameworks for composite membranes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25802-25807	13	14
222	Highways for water molecules: Interplay between nanostructure and water vapor transport in block copolymer membranes. <i>Journal of Membrane Science</i> , 2019 , 572, 641-649	9.6	31
221	Oil/Water Separation using Membranes Manufactured from Cellulose/Ionic Liquid Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 5649-5659	8.3	30
220	Vacuum membrane distillation of liquid desiccants utilizing hollow fiber membranes. <i>Separation and Purification Technology</i> , 2018 , 199, 57-63	8.3	26
219	Post modification of acetylene functional poly(oxindole biphenylene) by photoinduced CuAAC. <i>European Polymer Journal</i> , 2018 , 100, 298-307	5.2	7
218	Polyoxadiazole hollow fibers for produced water treatment by direct contact membrane distillation. <i>Desalination</i> , 2018 , 432, 32-39	10.3	27
217	Thin porphyrin composite membranes with enhanced organic solvent transport. <i>Journal of Membrane Science</i> , 2018 , 563, 684-693	9.6	19
216	Electrochemically active polymeric hollow fibers based on poly(ether-b-amide)/carbon nanotubes. <i>Journal of Membrane Science</i> , 2018 , 545, 323-328	9.6	9
215	Functionalized Nanochannels from Self-Assembled and Photomodified Poly(Styrene-b-Butadiene-b-Styrene). <i>Small</i> , 2018 , 14, e1701885	11	16
214	Solvent and thermal resistant ultrafiltration membranes from alkyne-functionalized high-performance polymers. <i>Journal of Membrane Science</i> , 2018 , 564, 361-371	9.6	26
213	Carboxyl-functionalized nanochannels based on block copolymer hierarchical structures. <i>Faraday Discussions</i> , 2018 , 209, 303-314	3.6	4
212	Nanochannels: Functionalized Nanochannels from Self-Assembled and Photomodified Poly(Styrene-b-Butadiene-b-Styrene) (Small 18/2018). <i>Small</i> , 2018 , 14, 1870083	11	
211	Artificial 3D hierarchical and isotropic porous polymeric materials. <i>Science Advances</i> , 2018 , 4, eaat0713	14.3	28
210	Cell-element simulations to optimize the performance of osmotic processes in porous membranes. <i>Computers and Mathematics With Applications</i> , 2018 , 76, 361-376	2.7	2
209	Self-assembly of polystyrene- b -poly(2-vinylpyridine)- b -poly(ethylene oxide) triblock terpolymers. <i>European Polymer Journal</i> , 2018 , 100, 121-131	5.2	9
208	Self-Assembled Membranes with Featherlike and Lamellar Morphologies Containing β -Helical Polypeptides. <i>Macromolecules</i> , 2018 , 51, 8174-8187	5.5	9
207	Graphene Oxide Liquid Crystal Membranes in Protic Ionic Liquid for Nanofiltration. <i>ACS Applied Nano Materials</i> , 2018 , 1, 4661-4670	5.6	16
206	Applications to water transport systems: general discussion. <i>Faraday Discussions</i> , 2018 , 209, 389-414	3.6	3

205	Membranes prepared by self-assembly and chelation assisted phase inversion. <i>Chemical Communications</i> , 2017 , 53, 6609-6612	5.8	11
204	Polyethersulfone flat sheet and hollow fiber membranes from solutions in ionic liquids. <i>Journal of Membrane Science</i> , 2017 , 539, 161-171	9.6	20
203	How Do Polyethylene Glycol and Poly(sulfobetaine) Hydrogel Layers on Ultrafiltration Membranes Minimize Fouling and Stay Stable in Cleaning Chemicals?. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 6785-6795	3.9	22
202	Porous polymeric membranes with thermal and solvent resistance. <i>Journal of Membrane Science</i> , 2017 , 539, 187-196	9.6	37
201	Ethylene glycol as bore fluid for hollow fiber membrane preparation. <i>Journal of Membrane Science</i> , 2017 , 533, 171-178	9.6	14
200	Highly porous polytriazole ion exchange membranes cast from solutions in non-toxic cosolvents. <i>Polymer</i> , 2017 , 126, 446-454	3.9	2
199	Crosslinked polytriazole membranes for organophilic filtration. <i>Journal of Membrane Science</i> , 2017 , 528, 264-272	9.6	18
198	Activation of PVDF membranes through facile hydroxylation of the polymeric dope. <i>Journal of Materials Research</i> , 2017 , 32, 4219-4231	2.5	7
197	Evolution of regular geometrical shapes in fiber lumens. <i>Scientific Reports</i> , 2017 , 7, 9171	4.9	7
196	Polyethersulfone/Graphene Oxide Ultrafiltration Membranes from Solutions in Ionic Liquid. <i>MRS Advances</i> , 2017 , 2, 2505-2511	0.7	3
195	Thin Film Polyamide Membranes with Photoresponsive Antibacterial Activity. <i>ChemistrySelect</i> , 2017 , 2, 6612-6616	1.8	5
194	Poly(ether imide sulfone) Membranes from Solutions in Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 14914-14922	3.9	11
193	Dendrimeric Thin-Film Composite Membranes: Free Volume, Roughness, and Fouling Resistance. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 14337-14349	3.9	11
192	Hollow fiber membrane lumen modified by polyzwitterionic grafting. <i>Journal of Membrane Science</i> , 2017 , 522, 1-11	9.6	35
191	Fabrication of polyacrylonitrile hollow fiber membranes from ionic liquid solutions. <i>Polymer Chemistry</i> , 2016 , 7, 113-124	4.9	29
190	Photoresponsive nanostructured membranes. <i>RSC Advances</i> , 2016 , 6, 75594-75601	3.7	6
189	Antibiofilm effect enhanced by modification of 1,2,3-triazole and palladium nanoparticles on polysulfone membranes. <i>Scientific Reports</i> , 2016 , 6, 24289	4.9	16
188	3D morphology design for forward osmosis. <i>Journal of Membrane Science</i> , 2016 , 516, 172-184	9.6	5

187	Design of block copolymer membranes using segregation strength trend lines. <i>Molecular Systems Design and Engineering</i> , 2016 , 1, 278-289	4.6	19
186	Membrane manufacture for peptide separation. <i>Green Chemistry</i> , 2016 , 18, 5151-5159	10	33
185	Liquid desiccant dehumidification and regeneration process to meet cooling and freshwater needs of desert greenhouses. <i>Desalination and Water Treatment</i> , 2016 , 57, 23430-23442		17
184	Outer-selective thin film composite (TFC) hollow fiber membranes for osmotic power generation. <i>Journal of Membrane Science</i> , 2016 , 505, 157-166	9.6	39
183	3D Membrane Imaging and Porosity Visualization. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 3689-3695	3.9	16
182	Temporal changes in extracellular polymeric substances on hydrophobic and hydrophilic membrane surfaces in a submerged membrane bioreactor. <i>Water Research</i> , 2016 , 95, 27-38	12.5	33
181	Block Copolymer Membranes for Aqueous Solution Applications. <i>Macromolecules</i> , 2016 , 49, 2905-2916	5.5	166
180	Recent membrane development for pervaporation processes. <i>Progress in Polymer Science</i> , 2016 , 57, 1-31	29.6	318
179	Materials and membrane technologies for water and energy sustainability. <i>Sustainable Materials and Technologies</i> , 2016 , 7, 1-28	5.3	227
178	Membrane biofouling in a wastewater nitrification reactor: Microbial succession from autotrophic colonization to heterotrophic domination. <i>Water Research</i> , 2016 , 88, 337-345	12.5	41
177	Polymer and Membrane Design for Low Temperature Catalytic Reactions. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 700-4	4.8	13
176	Synthesis of highly porous poly(tert-butyl acrylate)-b-polysulfone-b-poly(tert-butyl acrylate) asymmetric membranes. <i>Polymer Chemistry</i> , 2016 , 7, 3076-3089	4.9	23
175	Triple-bore hollow fiber membrane contactor for liquid desiccant based air dehumidification. <i>Journal of Membrane Science</i> , 2016 , 514, 135-142	9.6	31
174	In situ growth of biocidal AgCl crystals in the top layer of asymmetric polytriazole membranes. <i>RSC Advances</i> , 2016 , 6, 46696-46701	3.7	11
173	Dual-skinned polyamide/poly(vinylidene fluoride)/cellulose acetate membranes with embedded woven. <i>Journal of Membrane Science</i> , 2016 , 520, 840-849	9.6	18
172	The effects of a co-solvent on fabrication of cellulose acetate membranes from solutions in 1-ethyl-3-methylimidazolium acetate. <i>Journal of Membrane Science</i> , 2016 , 520, 540-549	9.6	26
171	A Microfiltration Polymer-Based Hollow-Fiber Cathode as a Promising Advanced Material for Simultaneous Recovery of Energy and Water. <i>Advanced Materials</i> , 2016 , 28, 9504-9511	24	25
170	Artificial membranes with selective nanochannels for protein transport. <i>Polymer Chemistry</i> , 2016 , 7, 6189-6201	17	

169	Ionic liquids as self-assembly guide for the formation of nanostructured block copolymer membranes. <i>Journal of Membrane Science</i> , 2015 , 492, 568-577	9.6	30
168	Topology and Shape Control for Assemblies of Block Copolymer Blends in Solution. <i>Macromolecules</i> , 2015 , 48, 8036-8044	5.5	17
167	Hydrophobic Hyflon AD/Poly(vinylidene fluoride) Membranes for Butanol Dehydration via Pervaporation. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 11180-11187	3.9	21
166	Self-Assembled Asymmetric Block Copolymer Membranes: Bridging the Gap from Ultra- to Nanofiltration. <i>Angewandte Chemie</i> , 2015 , 127, 14143-14147	3.6	11
165	Consistent model reduction of polymer chains in solution in dissipative particle dynamics: Model description. <i>Computer Physics Communications</i> , 2015 , 196, 255-266	4.2	2
164	Crosslinked copolyazoles with a zwitterionic structure for organic solvent resistant membranes. <i>Polymer Chemistry</i> , 2015 , 6, 543-554	4.9	42
163	Low fouling polysulfone ultrafiltration membrane via click chemistry. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	16
162	Synthesis and characterization of polystyrene coated iron oxide nanoparticles and asymmetric assemblies by phase inversion. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	7
161	Innentitelbild: Self-Assembled Asymmetric Block Copolymer Membranes: Bridging the Gap from Ultra- to Nanofiltration (Angew. Chem. 47/2015). <i>Angewandte Chemie</i> , 2015 , 127, 14030-14030	3.6	1
160	Hollow ZIF-8 Nanoworms from Block Copolymer Templates. <i>Scientific Reports</i> , 2015 , 5, 15275	4.9	24
159	Self-Assembled Asymmetric Block Copolymer Membranes: Bridging the Gap from Ultra- to Nanofiltration. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13937-41	16.4	101
158	Cellulose multilayer membranes manufacture with ionic liquid. <i>Journal of Membrane Science</i> , 2015 , 490, 282-293	9.6	63
157	Water flow prediction for membranes using 3D simulations with detailed morphology. <i>Journal of Membrane Science</i> , 2015 , 487, 19-31	9.6	14
156	Hydroxyl functionalized polytriazole-co-polyoxadiazole as substrates for forward osmosis membranes. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 3960-73	9.5	78
155	Performance evaluation of the DCMD desalination process under bench scale and large scale module operating conditions. <i>Journal of Membrane Science</i> , 2014 , 455, 103-112	9.6	89
154	PVDF hollow fiber and nanofiber membranes for fresh water reclamation using membrane distillation. <i>Journal of Materials Science</i> , 2014 , 49, 2045-2053	4.3	41
153	Self-Assembled Isoporous Block Copolymer Membranes with Tuned Pore Sizes. <i>Angewandte Chemie</i> , 2014 , 126, 10236-10240	3.6	19
152	Reactive phase inversion for manufacture of asymmetric poly (ether imide sulfone) membranes. <i>Reactive and Functional Polymers</i> , 2014 , 85, 1-10	4.6	2

151	Self-assembled isoporous block copolymer membranes with tuned pore sizes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10072-6	16.4	75
150	Porous asymmetric SiO ₂ -g-PMMA nanoparticles produced by phase inversion. <i>Journal of Materials Science</i> , 2014 , 49, 7399-7407	4.3	7
149	Silver-enhanced block copolymer membranes with biocidal activity. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 18497-501	9.5	52
148	Block copolymer/homopolymer dual-layer hollow fiber membranes. <i>Journal of Membrane Science</i> , 2014 , 472, 39-44	9.6	31
147	Time-resolved GISAXS and cryo-microscopy characterization of block copolymer membrane formation. <i>Polymer</i> , 2014 , 55, 1327-1332	3.9	46
146	Biomimetic block copolymer particles with gated nanopores and ultrahigh protein sorption capacity. <i>Nature Communications</i> , 2014 , 5, 4110	17.4	106
145	Restrictions in Model Reduction for Polymer Chain Models in Dissipative Particle Dynamics. <i>Procedia Computer Science</i> , 2014 , 29, 728-739	1.6	2
144	Nafion [®] /ODF-silica composite membranes for medium temperature proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2014 , 246, 950-959	8.9	28
143	Isoporous PS-b-PEO ultrafiltration membranes via self-assembly and water-induced phase separation. <i>Journal of Membrane Science</i> , 2014 , 453, 471-477	9.6	67
142	A hybrid microbial fuel cell membrane bioreactor with a conductive ultrafiltration membrane biocathode for wastewater treatment. <i>Environmental Science & Technology</i> , 2013 , 47, 11821-8	10.3	124
141	Self-assembly in casting solutions of block copolymer membranes. <i>Soft Matter</i> , 2013 , 9, 5557	3.6	88
140	Complexation-tailored morphology of asymmetric block copolymer membranes. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7152-9	9.5	61
139	Block copolymer hollow fiber membranes with catalytic activity and pH-response. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7001-6	9.5	62
138	Porous polyoxadiazole membranes for harsh environment. <i>Journal of Membrane Science</i> , 2013 , 445, 127-134	3.4	21
137	Selective separation of similarly sized proteins with tunable nanoporous block copolymer membranes. <i>ACS Nano</i> , 2013 , 7, 768-76	16.7	202
136	Polyazole Hollow Fiber Membranes for Direct Contact Membrane Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 10425-10429	3.9	42
135	From Charge-Mosaic to Micelle Self-Assembly: Block Copolymer Membranes in the Last 40 Years. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 993-1003	3.9	82
134	Fabrication of electrospun nanofibrous membranes for membrane distillation application. <i>Desalination and Water Treatment</i> , 2013 , 51, 1337-1343		41

133	Self-assembled block copolymer membranes: From basic research to large-scale manufacturing. <i>Journal of Materials Research</i> , 2013 , 28, 2661-2665	2.5	22
132	Synthesis and fabrication of nanostructured hydrophobic polyazole membranes for low-energy water recovery. <i>Journal of Membrane Science</i> , 2012 , 423-424, 11-19	9.6	93
131	Solution Small-Angle X-ray Scattering as a Screening and Predictive Tool in the Fabrication of Asymmetric Block Copolymer Membranes. <i>ACS Macro Letters</i> , 2012 , 1, 614-617	6.6	87
130	From micelle supramolecular assemblies in selective solvents to isoporous membranes. <i>Langmuir</i> , 2011 , 27, 10184-90	4	92
129	Switchable pH-responsive polymeric membranes prepared via block copolymer micelle assembly. <i>ACS Nano</i> , 2011 , 5, 3516-22	16.7	241
128	Poly(acrylic acid-co-4-vinylimidazole)/Sulfonated poly(ether ether ketone) blend membranes: A role of polymer chain with proton acceptor and donor for enhancing proton transfer in anhydrous system. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 10384-10391	6.7	24
127	Nanostructured membranes and electrodes with sulfonic acid functionalized carbon nanotubes. <i>Journal of Power Sources</i> , 2011 , 196, 911-919	8.9	43
126	Ultraporous Films with Uniform Nanochannels by Block Copolymer Micelles Assembly. <i>Macromolecules</i> , 2010 , 43, 8079-8085	5.5	182
125	CO ₂ -Philic Polymer Membrane with Extremely High Separation Performance. <i>Macromolecules</i> , 2010 , 43, 326-333	5.5	252
124	Stability of sulfonated polytriazole and polyoxadiazole membranes. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2010 , 5, 235-241	1.3	13
123	Quaternary ammonium membrane materials for CO ₂ separation. <i>Journal of Membrane Science</i> , 2010 , 359, 44-53	9.6	72
122	Syndiotactic polypropylene copolymer membranes and their performance for oxygen separation. <i>Journal of Membrane Science</i> , 2010 , 348, 34-40	9.6	5
121	Modified SPEEK membranes for direct ethanol fuel cell. <i>Journal of Power Sources</i> , 2010 , 195, 4036-4042	8.9	43
120	Proton conductive membranes based on doped sulfonated polytriazole. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 12054-12064	6.7	14
119	SPEEK/Polyimide Blends for Proton Conductive Membranes Presented at the 1st CARISMA Conference, Progress MEA 2008, La Grande Motte, 21st-24th September 2008.. <i>Fuel Cells</i> , 2009 , 9, 401-409	2.9	14
118	Investigation of the role of benzimidazole-based model compounds on thermal stability and anhydrous proton conductivity of sulfonated poly(ether ether ketone). <i>Solid State Ionics</i> , 2009 , 180, 738-745	3.3	23
117	Preparation and characterization of bilayer carbon/polymer membranes. <i>Journal of Membrane Science</i> , 2009 , 326, 27-35	9.6	12
116	Analysis of proton-conducting organic-inorganic hybrid materials based on sulphonated poly(ether ether ketone) and phosphotungstic acid via ASAXS and WAXS. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 6-11	3.9	4

115	Non-Fluorinated Membranes Thickness Effect on the DMFC Performance. <i>Separation Science and Technology</i> , 2008 , 43, 1917-1932	2.5	3
114	Organic-Inorganic Membranes. <i>Membrane Science and Technology</i> , 2008 , 13, 121-134		5
113	An Impedance Study on the sPEEK/ZrO ₂ Membranes for Direct Methanol Fuel Cell Applications. <i>Materials Science Forum</i> , 2008 , 587-588, 926-930	0.4	3
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