

# Chuyang Y Tang

## 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.

306  
papers

23,440  
citations

86  
h-index

144  
g-index

318  
ext. papers

26,073  
ext. citations

9.5  
avg, IF

7.6  
L-index

#	Paper	IF	Citations
306	Tracing the impact of stack configuration on interface resistances in reverse electro dialysis by in situ electrochemical impedance spectroscopy. <i>Frontiers of Environmental Science and Engineering</i> , <b>2022</b> , 16, 1	5.8	
305	Metal-organic framework enables ultraselective polyamide membrane for desalination and water reuse.. <i>Science Advances</i> , <b>2022</b> , 8, eabm4149	13.9	3
304	Electro-Enhanced Separation of Microsized Oil-in-Water Emulsions via Metallic Membranes: Performance and Mechanistic Insights.. <i>Environmental Science &amp; Technology</i> , <b>2022</b> ,	10.2	2
303	Ion-plus salinity gradient flow Battery. <i>Chemical Engineering Science</i> , <b>2022</b> , 253, 117580	4.3	
302	Electrodialysis membrane technology for industrial wastewater treatment: recent advances <b>2022</b> , 265-315		
301	Robust ultrathin nanoporous MOF membrane with intra-crystalline defects for fast water transport.. <i>Nature Communications</i> , <b>2022</b> , 13, 266	16.9	5
300	Effects of crossflow filtration cell configuration on membrane separation performance and fouling behaviour. <i>Desalination</i> , <b>2022</b> , 525, 115505	10.2	0
299	Air nanobubbles (ANBs) incorporated sandwich-structured carbon nanotube membranes (CNM) for highly permeable and stable forward osmosis <b>2022</b> , 2, 100026		
298	A comprehensive review of electrospray technique for membrane development: Current status, challenges, and opportunities. <i>Journal of Membrane Science</i> , <b>2022</b> , 646, 120248	9.5	1
297	Carbon Nanotube Interlayer Enhances Water Permeance and Antifouling Performance of Nanofiltration Membranes: Mechanisms and Experimental Evidence.. <i>Environmental Science &amp; Technology</i> , <b>2022</b> ,	10.2	2
296	A critical review on porous substrates of TFC polyamide membranes: Mechanisms, membrane performances, and future perspectives. <i>Journal of Membrane Science</i> , <b>2022</b> , 641, 119871	9.5	20
295	Reaction heterogeneity in the bridging effect of divalent cations on polysaccharide fouling. <i>Journal of Membrane Science</i> , <b>2022</b> , 641, 119933	9.5	2
294	Simultaneous electrochemical exfoliation and covalent functionalization of MoS membrane for ion sieving.. <i>Advanced Materials</i> , <b>2022</b> , e2201416	23.6	0
293	Recovery of Salinity Gradient Energy with an Inorganic Sodium Superionic Conductor. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 1806-1813	19.6	
292	Polyamide reverse osmosis membranes containing 1D nanochannels for enhanced water purification. <i>Journal of Membrane Science</i> , <b>2021</b> , 618, 118681	9.5	14
291	An alkaline stable anion exchange membrane for electro-desalination. <i>Desalination</i> , <b>2021</b> , 497, 114779	10.2	6
290	Engineering antifouling reverse osmosis membranes: A review. <i>Desalination</i> , <b>2021</b> , 499, 114857	10.2	54

289	Recent development of pressure retarded osmosis membranes for water and energy sustainability: A critical review. <i>Water Research</i> , <b>2021</b> , 189, 116666	12.4	11
288	Beyond Superwetting Surfaces: Dual-Scale Hyperporous Membrane with Rational Wettability for "Nonfouling" Emulsion Separation via Coalescence Demulsification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 4731-4739	9.4	11
287	High-Capacity Amidoxime-Functionalized $\beta$ -Cyclodextrin/Graphene Aerogel for Selective Uranium Capture. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 9181-9188	10.2	14
286	Cleaning/Healing/Interfacial Polymerization Strategy for Upcycling Real End-of-Life Polyvinylidene Fluoride Microfiltration Membranes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 10352-10360	8.1	1
285	Interlayered Forward Osmosis Membranes with TiO <sub>2</sub> /MXene and Carbon Nanotubes for Enhanced Municipal Wastewater Concentration. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 13219-13230	10.2	3
284	Enhancing nanofiltration performance for antibiotics/NaCl separation via water activation before microwave heating. <i>Journal of Membrane Science</i> , <b>2021</b> , 629, 119285	9.5	5
283	Advanced thin-film nanocomposite membranes embedded with organic-based nanomaterials for water and organic solvent purification: A review. <i>Separation and Purification Technology</i> , <b>2021</b> , 269, 118719	8.3	6
282	Surface modification of nanofiltration membranes to improve the removal of organic micropollutants: Linking membrane characteristics to solute transmission. <i>Water Research</i> , <b>2021</b> , 203, 117520	12.4	6
281	The open membrane database: Synthesis/structure/performance relationships of reverse osmosis membranes. <i>Journal of Membrane Science</i> , <b>2021</b> , 119927	9.5	10
280	Tunable isoporous ceramic membranes towards precise sieving of nanoparticles and proteins. <i>Journal of Membrane Science</i> , <b>2021</b> , 634, 119391	9.5	3
279	Novel molecular level insights into forward osmosis membrane fouling affected by reverse diffusion of draw solutions based on thermodynamic mechanisms. <i>Journal of Membrane Science</i> , <b>2021</b> , 620, 118815	9.5	10
278	High-Efficiency Capture and Recovery of Anionic Perfluoroalkyl Substances from Water Using PVA/PDDA Nanofibrous Membranes with Near-Zero Energy Consumption. <i>Environmental Science and Technology Letters</i> , <b>2021</b> , 8, 350-355	10.8	4
277	Modelling the critical roles of zeta potential and contact angle on colloidal fouling with a coupled XDLVO - collision attachment approach. <i>Journal of Membrane Science</i> , <b>2021</b> , 623, 119048	9.5	10
276	Coupling heat curing and surface modification for the fabrication of high permselectivity polyamide nanofiltration membranes. <i>Journal of Membrane Science</i> , <b>2021</b> , 623, 119073	9.5	11
275	Degradation of Polyamide Nanofiltration Membranes by Bromine: Changes of Physiochemical Properties and Filtration Performance. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 6329-6339	10.2	3
274	Novel Positively Charged Metal-Coordinated Nanofiltration Membrane for Lithium Recovery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 16906-16915	9.4	6
273	Does interfacial vaporization of organic solvent affect the structure and separation properties of polyamide RO membranes?. <i>Journal of Membrane Science</i> , <b>2021</b> , 625, 119173	9.5	12
272	Optimization of Aquaporin Loading for Performance Enhancement of Aquaporin-Based Biomimetic Thin-Film Composite Membranes.. <i>Membranes</i> , <b>2021</b> , 12,	3.7	1

271	Nanofiltration for drinking water treatment: a review. <i>Frontiers of Chemical Science and Engineering</i> , <b>2021</b> , 1-18	4.4	3
270	Preparation of electrically enhanced forward osmosis (FO) membrane by two-dimensional MXenes for organic fouling mitigation. <i>Chinese Chemical Letters</i> , <b>2021</b> ,	7.8	1
269	Facile ZIF8 nanocrystals interlayered solvent-resistant thin-film nanocomposite membranes for enhanced solvent permeance and rejection. <i>Journal of Membrane Science</i> , <b>2021</b> , 636, 119586	9.5	2
268	Dissect the role of particle size through collision-attachment simulations for colloidal fouling of RO/NF membranes. <i>Journal of Membrane Science</i> , <b>2021</b> , 638, 119679	9.5	2
267	Osmotically enhanced reverse osmosis using hollow fiber membranes. <i>Journal of Membrane Science</i> , <b>2021</b> , 638, 119703	9.5	3
266	Multilayer assembly of thin-film nanocomposite membranes with enhanced NaCl and antibiotic rejection. <i>Desalination</i> , <b>2021</b> , 517, 115261	10.2	2
265	Dually charged polyamide nanofiltration membranes fabricated by microwave-assisted grafting for heavy metals removal. <i>Journal of Membrane Science</i> , <b>2021</b> , 640, 119834	9.5	6
264	One-step removal of lead from water using an electricity-free and sustainable membrane filtration. <i>HKIE Transactions</i> , <b>2021</b> , 27, 166-172	1.9	
263	Fouling is the beginning: upcycling biopolymer-fouled substrates for fabricating high-permeance thin-film composite polyamide membranes. <i>Green Chemistry</i> , <b>2021</b> , 23, 1013-1025	9.9	5
262	A Generalized Reverse-Electrodialysis Model Incorporating Both Continuous and Recycle Modes for Energy Harvesting From Salinity Gradient Power. <i>IEEE Access</i> , <b>2021</b> , 9, 71626-71637	3.2	0
261	Stable Zr-Based Metal-Organic Framework Nanoporous Membrane for Efficient Desalination of Hypersaline Water. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 14917-14927	10.2	6
260	Spinel-based ceramic membranes coupling solid sludge recycling with oily wastewater treatment. <i>Water Research</i> , <b>2020</b> , 169, 115180	12.4	34
259	Recent advances in mitigating membrane biofouling using carbon-based materials. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 382, 120976	12.7	39
258	Simulation of an energy self-sufficient electrodialysis desalination stack for salt removal efficiency and fresh water recovery. <i>Journal of Membrane Science</i> , <b>2020</b> , 598, 117771	9.5	5
257	Microfiltration membranes modified by silver-decorated biomimetic silica nanopollens for mitigating biofouling: Synergetic effects of nanopollens and silver nanoparticles. <i>Journal of Membrane Science</i> , <b>2020</b> , 597, 117773	9.5	10
256	Removal of organic micropollutants using advanced membrane-based water and wastewater treatment: A review. <i>Journal of Membrane Science</i> , <b>2020</b> , 598, 117672	9.5	92
255	Management of concentrate and waste streams for membrane-based algal separation in water treatment: A review. <i>Water Research</i> , <b>2020</b> , 183, 115969	12.4	8
254	Cross-linked Graphene Oxide Framework Membranes with Robust Nano-Channels for Enhanced Sieving Ability. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 15442-15453	10.2	19

253	A Critical Review on Thin-Film Nanocomposite Membranes with Interlayered Structure: Mechanisms, Recent Developments, and Environmental Applications. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 15563-15583	10.2	79
252	Immobilization of sulfonated polysulfone via 2D LDH nanosheets during phase-inversion: A novel strategy towards greener membrane synthesis and enhanced desalination performance. <i>Journal of Membrane Science</i> , <b>2020</b> , 614, 118508	9.5	8
251	Mechanistic Insights into the Role of Polydopamine Interlayer toward Improved Separation Performance of Polyamide Nanofiltration Membranes. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 11611-11621	10.2	39
250	Probing the Contributions of Interior and Exterior Channels of Nanofillers toward the Enhanced Separation Performance of a Thin-Film Nanocomposite Reverse Osmosis Membrane. <i>Environmental Science and Technology Letters</i> , <b>2020</b> , 7, 766-772	10.8	17
249	Stochastic Collision-Attachment-Based Monte Carlo Simulation of Colloidal Fouling: Transition from Foulant-Clean-Membrane Interaction to Foulant-Fouled-Membrane Interaction. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 12703-12712	10.2	7
248	Thin-film nanocomposite membranes containing tannic acid-Fe <sup>3+</sup> modified MoS <sub>2</sub> nanosheets with enhanced nanofiltration performance. <i>Journal of Membrane Science</i> , <b>2020</b> , 616, 118605	9.5	25
247	Metal-Organic Framework Nanosheets for Thin-Film Composite Membranes with Enhanced Permeability and Selectivity. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 9238-9248	5.5	16
246	Omniphobic PVDF nanofibrous membrane for superior anti-wetting performance in direct contact membrane distillation. <i>Journal of Membrane Science</i> , <b>2020</b> , 608, 118226	9.5	34
245	Dissecting the Role of Substrate on the Morphology and Separation Properties of Thin Film Composite Polyamide Membranes: Seeing Is Believing. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 6978-6986	10.2	46
244	Engineering a Nanocomposite Interlayer for a Novel Ceramic-Based Forward Osmosis Membrane with Enhanced Performance. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 7715-7724	10.2	30
243	Novel high-flux positively charged composite membrane incorporating titanium-based MOFs for heavy metal removal. <i>Chemical Engineering Journal</i> , <b>2020</b> , 398, 125706	14.6	40
242	Dually Charged MOF-Based Thin-Film Nanocomposite Nanofiltration Membrane for Enhanced Removal of Charged Pharmaceutically Active Compounds. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 7619-7628	10.2	37
241	Flexible Superhydrophobic Metal-Based Carbon Nanotube Membrane for Electrochemically Enhanced Water Treatment. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 9074-9082	10.2	27
240	Highly selective separation and resource recovery using forward osmosis membrane assembled by polyphenol network. <i>Journal of Membrane Science</i> , <b>2020</b> , 611, 118305	9.5	8
239	High-flux robust ceramic membranes functionally decorated with nano-catalyst for emerging micro-pollutant removal from water. <i>Journal of Membrane Science</i> , <b>2020</b> , 611, 118281	9.5	19
238	Low-Tortuosity Water Microchannels Boosting Energy Utilization for High Water Flux Solar Distillation. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 5150-5158	10.2	36
237	Graphene oxide membranes: controlling their transport pathways. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 15319-15340	12.8	42
236	Ultrathin polyamide nanofilm with an asymmetrical structure: A novel strategy to boost the permeance of reverse osmosis membranes. <i>Journal of Membrane Science</i> , <b>2020</b> , 612, 118402	9.5	4

235	In situ silica growth for superhydrophilic-underwater superoleophobic Silica/PVA nanofibrous membrane for gravity-driven oil-in-water emulsion separation. <i>Journal of Membrane Science</i> , <b>2020</b> , 612, 118476	9.5	44
234	Intrinsic Nanoscale Structure of Thin Film Composite Polyamide Membranes: Connectivity, Defects, and Structure-Property Correlation. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 3559-3569	10.2	60
233	Electrosprayed polyamide nanofiltration membrane with intercalated structure for controllable structure manipulation and enhanced separation performance. <i>Journal of Membrane Science</i> , <b>2020</b> , 602, 117971	9.5	39
232	Improved anti-biofouling performance of pressure retarded osmosis (PRO) by dosing with chlorhexidine gluconate. <i>Desalination</i> , <b>2020</b> , 481, 114376	10.2	10
231	Superior nanofiltration membranes with gradient cross-linked selective layer fabricated via controlled hydrolysis. <i>Journal of Membrane Science</i> , <b>2020</b> , 604, 118067	9.5	26
230	Effect of Spacer Configuration on the Characteristics of FO Membranes: Alteration of Permeation Characteristics by Membrane Deformation and Concentration Polarization. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 6385-6395	10.2	14
229	Engineering Interface with a One-Dimensional RuO/TiO Heteronanostructure in an Electrocatalytic Membrane Electrode: Toward Highly Efficient Micropollutant Decomposition. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 21596-21604	9.4	9
228	Polyethyleneimine modified carbohydrate doped thin film composite nanofiltration membrane for purification of drinking water. <i>Journal of Membrane Science</i> , <b>2020</b> , 610, 118220	9.5	18
227	Effect of oxidation degree of GO nanosheets on microstructure and performance of polysulfone-GO mixed matrix membranes. <i>Separation and Purification Technology</i> , <b>2020</b> , 244, 116865	8.2	10
226	Hydrophilic Selective Nanochannels Created by Metal Organic Frameworks in Nanofiltration Membranes Enhance Rejection of Hydrophobic Endocrine-Disrupting Compounds. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 13776-13783	10.2	50
225	Double-Crosslinked GO Interlayer Framework as a Pervaporation Hybrid Membrane with High Performance. <i>ACS Omega</i> , <b>2019</b> , 4, 15043-15050	3.8	7
224	Seawater pretreatment with an NF-like forward osmotic membrane: Membrane preparation, characterization and performance comparison with RO-like membranes. <i>Desalination</i> , <b>2019</b> , 470, 114115	10.2	11
223	Highly permeable and highly selective ultrathin film composite polyamide membranes reinforced by reactable polymer chains. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 552, 418-425	9.1	16
222	One-step tailoring surface roughness and surface chemistry to prepare superhydrophobic polyvinylidene fluoride (PVDF) membranes for enhanced membrane distillation performances. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 553, 99-107	9.1	39
221	Confined nanobubbles shape the surface roughness structures of thin film composite polyamide desalination membranes. <i>Journal of Membrane Science</i> , <b>2019</b> , 582, 342-349	9.5	72
220	Superhydrophilic and mechanical robust PVDF nanofibrous membrane through facile interfacial Span 80 welding for excellent oil/water separation. <i>Applied Surface Science</i> , <b>2019</b> , 485, 179-187	6.6	33
219	Calcium-Carboxyl Intrabridging during Interfacial Polymerization: A Novel Strategy to Improve Antifouling Performance of Thin Film Composite Membranes. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 4371-4379	10.2	44
218	Sustaining fouling resistant membranes: Membrane fabrication, characterization and mechanism understanding of demulsification and fouling-resistance. <i>Journal of Membrane Science</i> , <b>2019</b> , 581, 105-113	9.5	34

217	Reverse Electrodialysis Chemical Cell for Energy Harvesting from Controlled Acid-Base Neutralization. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 4640-4647	10.2	10
216	Two-Dimensional TiCT MXene Membranes as Nanofluidic Osmotic Power Generators. <i>ACS Nano</i> , <b>2019</b> , 13, 8917-8925	16.4	101
215	Peptide-induced super-assembly of biocatalytic metal-organic frameworks for programmed enzyme cascades. <i>Chemical Science</i> , <b>2019</b> , 10, 7852-7858	9.1	46
214	The upper bound of thin-film composite (TFC) polyamide membranes for desalination. <i>Journal of Membrane Science</i> , <b>2019</b> , 590, 117297	9.5	169
213	Tailoring Polyamide Rejection Layer with Aqueous Carbonate Chemistry for Enhanced Membrane Separation: Mechanistic Insights, Chemistry-Structure-Property Relationship, and Environmental Implications. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 9764-9770	10.2	38
212	Membrane-based technologies for lithium recovery from water lithium resources: A review. <i>Journal of Membrane Science</i> , <b>2019</b> , 591, 117317	9.5	125
211	Hydrophilic Silver Nanoparticles Induce Selective Nanochannels in Thin Film Nanocomposite Polyamide Membranes. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 5301-5308	10.2	93
210	Non-Polyamide Based Nanofiltration Membranes Using Green Metal-Organic Coordination Complexes: Implications for the Removal of Trace Organic Contaminants. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 2688-2694	10.2	49
209	Omniphobic Nanofibrous Membrane with Pine-Needle-Like Hierarchical Nanostructures: Toward Enhanced Performance for Membrane Distillation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 47983-47971	8.4	31
208	An internal-integrated RED/ED system for energy-saving seawater desalination: A model study. <i>Energy</i> , <b>2019</b> , 170, 139-148	7.8	11
207	Janus Membrane with Unparalleled Forward Osmosis Performance. <i>Environmental Science and Technology Letters</i> , <b>2019</b> , 6, 79-85	10.8	29
206	Tuning roughness features of thin film composite polyamide membranes for simultaneously enhanced permeability, selectivity and anti-fouling performance. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 540, 382-388	9.1	74
205	Carbon nanotubes enhance permeability of ultrathin polyamide rejection layers. <i>Journal of Membrane Science</i> , <b>2019</b> , 570-571, 139-145	9.5	39
204	Fabrication of a novel and green thin-film composite membrane containing nanovoids for water purification. <i>Journal of Membrane Science</i> , <b>2019</b> , 570-571, 314-321	9.5	30
203	Fast polydopamine coating on reverse osmosis membrane: Process investigation and membrane performance study. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 535, 239-244	9.1	35
202	Free-standing hierarchical $\beta$ MnO@CuO membrane for catalytic filtration degradation of organic pollutants. <i>Chemosphere</i> , <b>2018</b> , 200, 237-247	8.4	59
201	Polydopamine enabled palladium loaded nanofibrous membrane and its catalytic performance for trichloroethene dechlorination. <i>Applied Catalysis A: General</i> , <b>2018</b> , 559, 122-126	5.1	21
200	Solar-assisted fast cleanup of heavy oil spills using a photothermal sponge. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9192-9199	12.8	84

199	Polydopamine coating on a thin film composite forward osmosis membrane for enhanced mass transport and antifouling performance. <i>Journal of Membrane Science</i> , <b>2018</b> , 551, 234-242	9.5	83
198	Reactable substrate participating interfacial polymerization for thin film composite membranes with enhanced salt rejection performance. <i>Desalination</i> , <b>2018</b> , 436, 1-7	10.2	27
197	Nanofoaming of Polyamide Desalination Membranes To Tune Permeability and Selectivity. <i>Environmental Science and Technology Letters</i> , <b>2018</b> , 5, 123-130	10.8	143
196	Interfacial Polymerization with Electrospayed Microdroplets: Toward Controllable and Ultrathin Polyamide Membranes. <i>Environmental Science and Technology Letters</i> , <b>2018</b> , 5, 117-122	10.8	70
195	Novel polyethyleneimine/TMC-based nanofiltration membrane prepared on a polydopamine coated substrate. <i>Frontiers of Chemical Science and Engineering</i> , <b>2018</b> , 12, 273-282	4.4	26
194	Modification of microfiltration membranes by alkoxysilane polycondensation induced quaternary ammonium compounds grafting for biofouling mitigation. <i>Journal of Membrane Science</i> , <b>2018</b> , 549, 165-172	9.5	48
193	Modeling Dynamics of Colloidal Fouling of RO/NF Membranes with A Novel Collision-Attachment Approach. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 1471-1478	10.2	21
192	Advanced desalination of dye/NaCl mixtures by a loose nanofiltration membrane for digital ink-jet printing. <i>Separation and Purification Technology</i> , <b>2018</b> , 197, 27-35	8.2	93
191	Trace organic contaminant rejection by aquaporin forward osmosis membrane: Transport mechanisms and membrane stability. <i>Water Research</i> , <b>2018</b> , 132, 90-98	12.4	56
190	Removal of cytostatic drugs from wastewater by an anaerobic osmotic membrane bioreactor. <i>Chemical Engineering Journal</i> , <b>2018</b> , 339, 153-161	14.6	43
189	Reverse Electrodialysis Energy Harvesting System Using High-Gain Step-Up DC/DC Converter. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 1578-1587	7.8	7
188	Stable Superhydrophobic Ceramic-Based Carbon Nanotube Composite Desalination Membranes. <i>Nano Letters</i> , <b>2018</b> , 18, 5514-5521	11.3	96
187	Novel Membranes and Membrane Materials <b>2018</b> , 201-221		1
186	Removal notice to Porous forward osmosis membranes for polishing biologically treated wastewater: Condition optimization and draw solution recovery <i>Bioresource Technology</i> 263 (2018) 192-198. <i>Bioresource Technology</i> , <b>2018</b> , 263, R1	11	
185	Tannic Acid/Fe Nanoscaffold for Interfacial Polymerization: Toward Enhanced Nanofiltration Performance. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 9341-9349	10.2	161
184	Janus Polyvinylidene Fluoride Membrane with Extremely Opposite Wetting Surfaces via One Single-Step Unidirectional Segregation Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24947-24954	9.4	43
183	Solvent-thermal induced roughening: A novel and versatile method to prepare superhydrophobic membranes. <i>Journal of Membrane Science</i> , <b>2018</b> , 564, 465-472	9.5	49
182	Biofouling in ultrafiltration process for drinking water treatment and its control by chlorinated-water and pure water backwashing. <i>Science of the Total Environment</i> , <b>2018</b> , 644, 306-314	10.1	52



181	Functionalized Graphene Oxide Modified Polyethersulfone Membranes for Low-Pressure Anionic Dye/Salt Fractionation. <i>Polymers</i> , <b>2018</b> , 10,	4.4	12
180	REMOVED: Porous forward osmosis membranes for polishing biologically treated wastewater: Condition optimization and draw solution recovery. <i>Bioresource Technology</i> , <b>2018</b> , 263, 192-198	11	4
179	Potable Water Reuse through Advanced Membrane Technology. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10215-10223	10.2	189
178	Preparation of nanocavity-contained thin film composite nanofiltration membranes with enhanced permeability and divalent to monovalent ion selectivity. <i>Desalination</i> , <b>2018</b> , 445, 115-122	10.2	49
177	Cross-linked PVC/hyperbranched polyester composite hollow fiber membranes for dye removal. <i>Reactive and Functional Polymers</i> , <b>2018</b> , 122, 51-59	4.5	20
176	Recent development of novel membranes for desalination. <i>Desalination</i> , <b>2018</b> , 434, 37-59	10.2	117
175	Effects of hypochlorite exposure on the structure and electrochemical performance of ion exchange membranes in reverse electrodialysis. <i>Journal of Membrane Science</i> , <b>2018</b> , 549, 295-305	9.5	13
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26	Characterization of novel forward osmosis hollow fiber membranes. <i>Journal of Membrane Science</i> , <b>2010</b> , 355, 158-167	9.5	467
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24	Membrane fouling in an anaerobic membrane bioreactor: Differences in relative abundance of bacterial species in the membrane foulant layer and in suspension. <i>Journal of Membrane Science</i> , <b>2010</b> , 364, 331-338	9.5	148
23	Characteristics and potential applications of a novel forward osmosis hollow fiber membrane. <i>Desalination</i> , <b>2010</b> , 261, 365-372	10.2	237
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14	Characterization of humic acid fouled reverse osmosis and nanofiltration membranes by transmission electron microscopy and streaming potential measurements. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 942-9	10.2	141
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