

Mohtada Sadrzadeh

List of Publications by Year in descending order

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156
papers

6,947
citations

53794

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69250

77
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159
all docs

159
docs citations

159
times ranked

5683
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Approach Toward Fabrication of High Performance Thin Film Composite Polyamide Membranes. Scientific Reports, 2016, 6, 22069.	3.3	267
2	Sea water desalination using electrodialysis. Desalination, 2008, 221, 440-447.	8.2	256
3	Thermally stable polymers for advanced high-performance gas separation membranes. Progress in Energy and Combustion Science, 2018, 66, 1-41.	31.2	252
4	Rational design of phase inversion membranes by tailoring thermodynamics and kinetics of casting solution using polymer additives. Journal of Membrane Science, 2013, 441, 31-44.	8.2	249
5	Superhydrophilic and underwater superoleophobic membranes - A review of synthesis methods. Progress in Polymer Science, 2019, 98, 101166.	24.7	243
6	Modeling of metal ion removal from wastewater by electrodialysis. Separation and Purification Technology, 2005, 41, 73-82.	7.9	192
7	Effect of preparation variables on morphology and pure water permeation flux through asymmetric cellulose acetate membranes. Journal of Membrane Science, 2009, 326, 627-634.	8.2	176
8	Effect of operating parameters on Pb ²⁺ separation from wastewater using electrodialysis. Desalination, 2004, 167, 379-385.	8.2	159
9	Surface modification methods of organic solvent nanofiltration membranes. Chemical Engineering Journal, 2016, 289, 562-582.	12.7	146
10	Thin film composite polyamide membranes: parametric study on the influence of synthesis conditions. RSC Advances, 2015, 5, 54985-54997.	3.6	145
11	Recent advances in functionalized polymer membranes for biofouling control and mitigation in forward osmosis. Journal of Membrane Science, 2020, 596, 117604.	8.2	138
12	Fabrication of antifouling and antibacterial polyethersulfone (PES)/cellulose nanocrystals (CNC) nanocomposite membranes. Journal of Membrane Science, 2018, 549, 350-356.	8.2	135
13	Robust fabrication of thin film polyamide-TiO ₂ nanocomposite membranes with enhanced thermal stability and anti-biofouling propensity. Scientific Reports, 2018, 8, 784.	3.3	131
14	Efficient dye removal from aqueous solution by high-performance electrospun nanofibrous membranes through incorporation of SiO ₂ nanoparticles. Journal of Cleaner Production, 2018, 183, 1197-1206.	9.3	121
15	Treatment of sea water using electrodialysis: Current efficiency evaluation. Desalination, 2009, 249, 279-285.	8.2	114
16	Separation of copper ions by electrodialysis using Taguchi experimental design. Desalination, 2004, 169, 21-31.	8.2	106
17	Development of advanced nanocomposite membranes using graphene nanoribbons and nanosheets for water treatment. Journal of Membrane Science, 2018, 560, 97-107.	8.2	105
18	Clay-based electrospun nanofibrous membranes for colored wastewater treatment. Applied Clay Science, 2019, 168, 77-86.	5.2	105

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19	Separation of lead ions from wastewater using electrodialysis: Comparing mathematical and neural network modeling. Chemical Engineering Journal, 2008, 144, 431-441.	12.7	104
20	A parametric study on the synergistic impacts of chemical additives on permeation properties of thin film composite polyamide membrane. Journal of Membrane Science, 2017, 535, 248-257.	8.2	100
21	Gas permeation through a synthesized composite PDMS/PES membrane. Journal of Membrane Science, 2009, 342, 236-250.	8.2	90
22	In Situ Ag-MOF Growth on Pre-Grafted Zwitterions Imparts Outstanding Antifouling Properties to Forward Osmosis Membranes. ACS Applied Materials & Interfaces, 2020, 12, 36287-36300.	8.0	90
23	Carbon-based polymer nanocomposite membranes for oily wastewater treatment. Npj Clean Water, 2019, 2, .	8.0	86
24	Preparation, characterization and fouling analysis of in-air hydrophilic/underwater oleophobic bio-inspired polydopamine coated PES membranes for oily wastewater treatment. Journal of Membrane Science, 2019, 582, 402-413.	8.2	86
25	Toward Sustainable Tackling of Biofouling Implications and Improved Performance of TFC FO Membranes Modified by Ag-MOF Nanorods. ACS Applied Materials & Interfaces, 2020, 12, 38285-38298.	8.0	80
26	Improved antifouling and antibacterial properties of forward osmosis membranes through surface modification with zwitterions and silver-based metal organic frameworks. Journal of Membrane Science, 2020, 611, 118352.	8.2	80
27	Effect of operating parameters on pure and mixed gas permeation properties of a synthesized composite PDMS/PA membrane. Journal of Membrane Science, 2009, 342, 327-340.	8.2	79
28	Treatment of oil sands produced water using combined electrocoagulation and chemical coagulation techniques. Science of the Total Environment, 2018, 645, 560-572.	8.0	79
29	Neural network modeling of Pb ²⁺ removal from wastewater using electrodialysis. Chemical Engineering and Processing: Process Intensification, 2009, 48, 1371-1381.	3.6	78
30	Thermally stable thin film composite polymeric membranes for water treatment: A review. Journal of Cleaner Production, 2020, 250, 119447.	9.3	71
31	Synthesis and characterization of polyethersulfone membranes. Journal of Polymer Research, 2010, 17, 363-377.	2.4	69
32	Portable Nanofiber-Light Addressable Potentiometric Sensor for Rapid <i>Escherichia coli</i> Detection in Orange Juice. ACS Sensors, 2018, 3, 815-822.	7.8	69
33	Synthesis of thin film composite polyamide membranes: Effect of monohydric and polyhydric alcohol additives in aqueous solution. Journal of Membrane Science, 2017, 523, 336-345.	8.2	66
34	Separation of different ions from wastewater at various operating conditions using electrodialysis. Separation and Purification Technology, 2007, 54, 147-156.	7.9	65
35	CO ₂ and CH ₄ permeation through T-type zeolite membranes: Effect of synthesis parameters and feed pressure. Separation and Purification Technology, 2008, 61, 317-323.	7.9	64
36	Developing high throughput thin film composite polyamide membranes for forward osmosis treatment of SAGD produced water. Journal of Membrane Science, 2016, 511, 29-39.	8.2	64

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37	Robust superhydrophilic and underwater superoleophobic membrane optimized by Cu doping modified metal-organic frameworks for oil-water separation and water purification. <i>Journal of Membrane Science</i> , 2021, 640, 119755.	8.2	64
38	Surface characterization of thin-film composite membranes using contact angle technique: Review of quantification strategies and applications. <i>Advances in Colloid and Interface Science</i> , 2022, 299, 102524.	14.7	63
39	Bio-inspired anchoring of amino-functionalized multi-wall carbon nanotubes (N-MWCNTs) onto PES membrane using polydopamine for oily wastewater treatment. <i>Science of the Total Environment</i> , 2020, 711, 134951.	8.0	59
40	Nanofiltration of oil sands boiler feed water: Effect of pH on water flux and organic and dissolved solid rejection. <i>Separation and Purification Technology</i> , 2015, 141, 339-353.	7.9	57
41	Industrial waste lignin as an antifouling coating for the treatment of oily wastewater: Creating wealth from waste. <i>Journal of Cleaner Production</i> , 2020, 256, 120304.	9.3	54
42	Development of underwater superoleophobic polyamide-imide (PAI) microfiltration membranes for oil/water emulsion separation. <i>Separation and Purification Technology</i> , 2020, 238, 116451.	7.9	53
43	Treatment of an <i>in situ</i> oil sands produced water by polymeric membranes. <i>Desalination and Water Treatment</i> , 2016, 57, 14869-14887.	1.0	51
44	Mathematical modeling of desalination by electrodialysis. <i>Desalination</i> , 2007, 206, 538-546.	8.2	48
45	Thermally resistant and electrically conductive PES/ITO nanocomposite membrane. <i>Journal of Membrane Science</i> , 2016, 500, 151-160.	8.2	48
46	Ternary gas permeation through a synthesized PDMS membrane: Experimental and modeling. <i>Journal of Membrane Science</i> , 2009, 344, 225-236.	8.2	46
47	C ₃ H ₈ separation from CH ₄ and H ₂ using a synthesized PDMS membrane: Experimental and neural network modeling. <i>Journal of Membrane Science</i> , 2010, 346, 59-70.	8.2	46
48	New insights into the impact of nanoscale surface heterogeneity on the wettability of polymeric membranes. <i>Journal of Membrane Science</i> , 2019, 590, 117270.	8.2	46
49	Fabrication of Highly Permeable and Thermally Stable Reverse Osmosis Thin Film Composite Polyamide Membranes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2916-2925.	8.0	44
50	Robust Polymer Nanocomposite Membranes Incorporating Discrete TiO ₂ Nanotubes for Water Treatment. <i>Nanomaterials</i> , 2019, 9, 1186.	4.1	43
51	Novel nanocomposite polyethersulfone- antimony tin oxide membrane with enhanced thermal, electrical and antifouling properties. <i>Polymer</i> , 2019, 163, 48-56.	3.8	43
52	Separation of monovalent, divalent and trivalent ions from wastewater at various operating conditions using electrodialysis. <i>Desalination</i> , 2007, 205, 53-61.	8.2	40
53	Gravity assisted super high flux microfiltration polyamide-imide membranes for oil/water emulsion separation. <i>Journal of Membrane Science</i> , 2021, 621, 119019.	8.2	40
54	Mathematical modeling of flux decline in ultrafiltration. <i>Desalination</i> , 2005, 184, 367-375.	8.2	39

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55	Mathematical modeling of mass transfer in multicomponent gas mixture across the synthesized composite polymeric membrane. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 870-885.	5.8	39
56	Nickel-Based Metal-Organic Frameworks to Improve the CO ₂ /CH ₄ Separation Capability of Thin-Film Pebax Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 12834-12844.	3.7	38
57	Characterization of Boiler Blowdown Water from Steam-Assisted Gravity Drainage and Silica-Organic Coprecipitation during Acidification and Ultrafiltration. <i>Energy & Fuels</i> , 2012, 26, 5604-5612.	5.1	37
58	Effective strategy for UV-mediated grafting of biocidal Ag-MOFs on polymeric membranes aimed at enhanced water ultrafiltration. <i>Chemical Engineering Journal</i> , 2021, 426, 130704.	12.7	37
59	Effect of synthesis parameters on single gas permeation through T-type zeolite membranes. <i>International Journal of Greenhouse Gas Control</i> , 2008, 2, 531-538.	4.6	36
60	Modeling of unsteady-state permeation of gas mixture through a self-synthesized PDMS membranes. <i>Separation and Purification Technology</i> , 2011, 76, 385-399.	7.9	36
61	Substantially improved antifouling properties in electro-oxidative graphene laminate forward osmosis membrane. <i>Chemical Engineering Research and Design</i> , 2019, 141, 413-424.	5.6	36
62	Preparation and characterization of a composite PDMS membrane on CA support. <i>Polymers for Advanced Technologies</i> , 2010, 21, 568-577.	3.2	34
63	Graphene-based electro-conductive anti-fouling membranes for the treatment of oil sands produced water. <i>Science of the Total Environment</i> , 2020, 704, 135365.	8.0	34
64	Effect of operating parameters on concentration of citric acid using electrodialysis. <i>Journal of Food Engineering</i> , 2007, 83, 596-604.	5.2	33
65	Modeling of Air-Gap Membrane Distillation and Comparative Study with Direct Contact Membrane Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 21930-21947.	3.7	33
66	Nanodiamond-Enabled Thin-Film Nanocomposite Polyamide Membranes for High-Temperature Water Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53274-53285.	8.0	33
67	Coupling a mathematical and a fuzzy logic-based model for prediction of zinc ions separation from wastewater using electrodialysis. <i>Chemical Engineering Journal</i> , 2009, 151, 262-274.	12.7	32
68	Pure and mixed gas permeation through a composite polydimethylsiloxane membrane. <i>Polymers for Advanced Technologies</i> , 2011, 22, 586-597.	3.2	31
69	Nanodiamond-decorated thin film composite membranes with antifouling and antibacterial properties. <i>Desalination</i> , 2022, 522, 115436.	8.2	31
70	Microfiltration of oily wastewater using PP hydrophobic membrane. <i>Desalination</i> , 2006, 200, 319-321.	8.2	30
71	Methods for the Preparation of Organic-Inorganic Nanocomposite Polymer Electrolyte Membranes for Fuel Cells. , 2017, , 311-325.		30
72	Surface grafting of FAU/EMT zeolite with (3-aminopropyl)methyldiethoxysilane optimized using Taguchi experimental design. <i>Chemical Engineering Research and Design</i> , 2012, 90, 1313-1321.	5.6	29

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73	Analytical solution for transient electroosmotic flow in a rotating microchannel. RSC Advances, 2016, 6, 17632-17641.	3.6	29
74	Removal of trace organic contaminants by melamine-tuned highly cross-linked polyamide TFC membranes. Chemosphere, 2020, 238, 124691.	8.2	25
75	Development of antifouling membranes using agro-industrial waste lignin for the treatment of Canada's oil sands produced water. Journal of Membrane Science, 2020, 611, 118326.	8.2	25
76	Green Electrospun Membranes Based on Chitosan/Amino-Functionalized Nanoclay Composite Fibers for Cationic Dye Removal: Synthesis and Kinetic Studies. ACS Omega, 2021, 6, 10816-10827.	3.5	24
77	Synthesis and gas permeation properties of a single layer PDMS membrane. Journal of Applied Polymer Science, 2010, 117, 33-48.	2.6	23
78	Characterization and Comparison of Dissolved Organic Matter Signatures in Steam-Assisted Gravity Drainage Process Water Samples from Athabasca Oil Sands. Energy & Fuels, 2017, 31, 8363-8373.	5.1	23
79	Overview of membrane technology. , 2020, , 1-28.		23
80	Deep learning-based energy management of a hybrid photovoltaic-reverse osmosis-pressure retarded osmosis system. Applied Energy, 2021, 293, 116959.	10.1	23
81	Colloidal fouling of nanofiltration membranes: A novel transient electrokinetic model and experimental study. Chemical Engineering Science, 2015, 138, 153-163.	3.8	22
82	Efficient treatment of oil sands produced water: Process integration using ion exchange regeneration wastewater as a chemical coagulant. Separation and Purification Technology, 2019, 221, 166-174.	7.9	22
83	Direct Micropatterning of Phase Separation Membranes Using Hydrogel Soft Lithography. Advanced Materials Technologies, 2019, 4, 1800384.	5.8	22
84	Thermally stable core-shell star-shaped block copolymers for antifouling enhancement of water purification membranes. Journal of Membrane Science, 2020, 598, 117686.	8.2	22
85	Engineered graphene-based mixed matrix membranes to boost CO2 separation performance: Latest developments and future prospects. Renewable and Sustainable Energy Reviews, 2022, 160, 112294.	16.4	22
86	Improvement in gas separation properties of a polymeric membrane through the incorporation of inorganic nanoparticles. Polymers for Advanced Technologies, 2012, 23, 1101-1111.	3.2	21
87	Aggregation and deposition of colloidal particles: Effect of surface properties of collector beads. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 530, 46-52.	4.7	20
88	Electrohydrodynamic patterning of ultra-thin ionic liquid films. Soft Matter, 2015, 11, 2193-2202.	2.7	19
89	Thermo-Electrohydrodynamic Patterning in Nanofilms. Langmuir, 2016, 32, 5776-5786.	3.5	19
90	Fundamentals and Measurement Techniques for Gas Transport in Polymers. , 2018, , 391-423.		19

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91	Investigating fouling at the pore-scale using a microfluidic membrane mimic filtration system. Scientific Reports, 2019, 9, 10587.	3.3	19
92	Preparation and C ₃ H ₈ /Gas Separation Properties of a Synthesized Single Layer PDMS Membrane. Separation Science and Technology, 2010, 45, 592-603.	2.5	18
93	Nonlinear deformation and localized failure of bacterial streamers in creeping flows. Scientific Reports, 2016, 6, 32204.	3.3	18
94	Colloidal Fouling of Nanofiltration Membranes: Development of a Standard Operating Procedure. Membranes, 2017, 7, 4.	3.0	18
95	Development of layer-by-layer assembled polyamide-imide membranes for oil sands produced water treatment. Scientific Reports, 2021, 11, 8098.	3.3	18
96	Micropatterned Thin-Film Composite Poly(piperazine-amide) Nanofiltration Membranes for Wastewater Treatment. ACS Applied Polymer Materials, 2021, 3, 6653-6665.	4.4	18
97	Prediction of ternary gas permeation through synthesized PDMS membranes by using Principal Component Analysis (PCA) and fuzzy logic (FL). Journal of Membrane Science, 2010, 360, 509-521.	8.2	17
98	Compact micro/nano electrohydrodynamic patterning: using a thin conductive film and a patterned template. Soft Matter, 2016, 12, 1074-1084.	2.7	17
99	Dielectric behavior of oil/water emulsions during phase separation probed by electrical impedance spectroscopy. Sensors and Actuators B: Chemical, 2017, 243, 460-464.	7.8	17
100	Osmotic dewatering accelerates inherent sluggish kinetics of electro-Fenton process: Toward sustainable removal of organic contaminants. Chemical Engineering Journal, 2020, 394, 125043.	12.7	17
101	Development of a self-sustained model to predict the performance of direct contact membrane distillation. Separation and Purification Technology, 2021, 263, 118407.	7.9	17
102	An Unpowered Sensor Node for Real-Time Water Quality Assessment (Humic Acid Detection). Electronics (Switzerland), 2018, 7, 231.	3.1	16
103	Study on antifouling behaviors of GO modified nanocomposite membranes through QCM-D and surface energetics analysis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 588, 124332.	4.7	16
104	Novel Lignin-Modified Forward Osmosis Membranes: Waste Materials for Wastewater Treatment. ACS Sustainable Chemistry and Engineering, 2021, 9, 15768-15779.	6.7	16
105	Forward osmosis for treatment of oil sands produced water: systematic study of influential parameters. Desalination and Water Treatment, 2016, 57, 22980-22993.	1.0	15
106	Hydrogen Separation by Natural Zeolite Composite Membranes: Single and Multicomponent Gas Transport. Materials, 2017, 10, 1159.	2.9	15
107	Analysis of streaming potential flow and electroviscous effect in a shear-driven charged slit microchannel. Scientific Reports, 2020, 10, 18317.	3.3	15
108	Prediction of surface charge properties on the basis of contact angle titration models. Materials Chemistry and Physics, 2021, 258, 123933.	4.0	15

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109	Abiotic streamers in a microfluidic system. <i>Soft Matter</i> , 2017, 13, 8698-8705.	2.7	14
110	Separation via Pervaporation Techniques Through Polymeric Membranes. , 2018, , 243-263.		14
111	Parametric study on the stabilization of metal oxide nanoparticles in organic solvents: A case study with indium tin oxide (ITO) and heptane. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 1003-1013.	8.2	12
112	Synergistic effect of thermal dehydrating on the emerging contaminants removal via Electro-Fenton. <i>Journal of Cleaner Production</i> , 2022, 356, 131880.	9.3	12
113	Microfluidic Mimic for Colloid Membrane Filtration: A Review. <i>Journal of the Indian Institute of Science</i> , 2018, 98, 137-157.	1.9	11
114	Impact of bacterial streamers on biofouling of microfluidic filtration systems. <i>Biomicrofluidics</i> , 2018, 12, 044116.	2.4	11
115	Integrated Coagulation-Membrane Processes with Zero Liquid Discharge (ZLD) Configuration for the Treatment of Oil Sands Produced Water. <i>Water (Switzerland)</i> , 2019, 11, 1348.	2.7	11
116	Novel data-driven energy management of a hybrid photovoltaic-reverse osmosis desalination system using deep reinforcement learning. <i>Applied Energy</i> , 2022, 317, 119184.	10.1	11
117	The implications of 3D-printed membranes for water and wastewater treatment and resource recovery. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 2309-2321.	1.7	11
118	Enhanced Electrically Induced Micropatterning of Confined Thin Liquid Films: Thermocapillary Role and Its Limitations. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 10678-10688.	3.7	10
119	Thermally induced interfacial instabilities and pattern formation in confined liquid nanofilms. <i>Physical Review E</i> , 2018, 98, .	2.1	10
120	A numerical study for thermocapillary induced patterning of thin liquid films. <i>Physics of Fluids</i> , 2020, 32, 024106.	4.0	10
121	Electrohydrodynamic Patterning of Polyethersulfone Membranes. <i>Langmuir</i> , 2019, 35, 12139-12149.	3.5	9
122	New insights into the prediction of adaptive wetting of a solid surface under a liquid medium. <i>Applied Surface Science</i> , 2020, 532, 147444.	6.1	9
123	Ordered high aspect ratio nanopillar formation based on electrical and thermal reflowing of prepatterned thin films. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 312-320.	9.4	8
124	An experimental and numerical study of droplet spreading and imbibition on microporous membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 615, 126191.	4.7	8
125	Functionalized polyamide membranes yield suppression of biofilm and planktonic bacteria while retaining flux and selectivity. <i>Separation and Purification Technology</i> , 2022, 282, 119981.	7.9	8
126	Effect of Operating Conditions on PV Performance of PVA Membranes: Experimental and Neural Network Modeling. <i>Separation Science and Technology</i> , 2012, 47, 1472-1484.	2.5	7

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127	Numerical Investigation of the Entropy Generation Due to Natural Convection in a Partially Heated Square Cavity Filled With Nanofluids. Heat Transfer Engineering, 2017, 38, 1506-1521.	1.9	7
128	New Insights into the Role of the Surrounding Medium Temperature in the Under-Liquid Wetting of Solid Surfaces. Langmuir, 2020, 36, 8301-8310.	3.5	7
129	Poly (methyl methacrylate) grafted wheat straw for economical and eco-friendly treatment of oily wastewater. Cellulose, 2022, 29, 3351-3374.	4.9	7
130	Near wall void growth leads to disintegration of colloidal bacterial streamer. Journal of Colloid and Interface Science, 2018, 522, 249-255.	9.4	6
131	Effect of Internal and External Concentration Polarizations on the Performance of Forward Osmosis Process. , 0, , .		6
132	Durability and Recoverability of Soft Lithographically Patterned Hydrogel Molds for the Formation of Phase Separation Membranes. Micromachines, 2020, 11, 108.	2.9	6
133	Highly Efficient Antifouling Coating of Star-Shaped Block Copolymers with Variable Sizes of Hydrophobic Cores and Charge-Neutral Hydrophilic Arms. ACS Applied Polymer Materials, 2021, 3, 1116-1134.	4.4	6
134	Degradation of pharmaceutical contaminants in water by an advanced plasma treatment. , 0, 139, 202-221.		6
135	A new approach toward modeling of mixed-gas sorption in glassy polymers based on metaheuristic algorithms. Journal of Polymer Science, 2022, 60, 1392-1406.	3.8	5
136	Loose nanofiltration membranes functionalized with in situ-synthesized metal organic framework for water treatment. Materials Today Chemistry, 2022, 24, 100909.	3.5	5
137	Smart harvesting and in-situ application of piezoelectricity in membrane filtration systems. Journal of Membrane Science, 2022, , 120819.	8.2	5
138	Unplugging Standalone Sand Control Screens with High-power Shock Waves: An Experimental Study. , 2020, , .		4
139	An ultrasonic-assisted rapid approach for sustainable fabrication of antibacterial and anti-biofouling membranes via metal-organic frameworks. Materials Today Chemistry, 2022, 26, 101044.	3.5	4
140	Microfluidic Membrane Filtration Systems to Study Biofouling. , 2018, , .		3
141	Experimental Study on the Palatability Impacts of Potable Water as a Hydronic Medium. Water (Switzerland), 2018, 10, 218.	2.7	3
142	Prospects of nanocomposite membranes for water treatment by osmotic-driven membrane processes. , 2020, , 257-297.		3
143	Nanofiltration for the Treatment of Oil Sands-Produced Water. , 0, , .		2
144	Development of a 3D-printed modified Scheludko-cell: Potential application for adsorption and thin liquid film study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 561, 341-348.	4.7	2

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145	Development of nanocomposite membranes by biomimicking nanomaterials. , 2020, , 219-236.		2
146	Prospects of nanocomposite membranes for water treatment by membrane distillation. , 2020, , 299-320.		2
147	Thermocapillary patterning of non-Newtonian thin films. Physics of Fluids, 2022, 34, .	4.0	2
148	Effects of Electro-Oxidation Process on Tight-Rock Wettability and Imbibition Oil Recovery. Energy & Fuels, 2022, 36, 6771-6784.	5.1	2
149	Effect of intrinsic angular momentum in the capillary filling dynamics of viscous fluids. Journal of Colloid and Interface Science, 2016, 479, 80-86.	9.4	1
150	Microscopic Characterization of IBM Star Polymers at High-Temperature for Water Membrane Applications. Microscopy and Microanalysis, 2018, 24, 1080-1081.	0.4	1
151	A Laboratory Workflow for Characterization of Scaling Deposits in Thermal Wells. Energies, 2020, 13, 3184.	3.1	1
152	Two-layer modeling of thermally induced Bénard convection in thin liquid films: Volume of fluid approach vs thin-film model. AIP Advances, 2021, 11, 045317.	1.3	1
153	Fabrication of Joule Heating Coating Layers via Flame Spraying for Membrane Distillation. Surface Innovations, 0, , 1-16.	2.3	1
154	Elimination of pharmaceutical contaminants fluoxetine and propranolol by an advanced plasma water treatment. , 0, 113, 346-353.		1
155	Synthesis, Characterization, and Typical Application of Nitrogen-Doped MoS ₂ Nanosheets Based on Pulsed Laser Ablation in Liquid Nitrogen. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, .	1.8	1
156	Electrified Pressure-Driven Instability in Thin Liquid Films. , 0, , .		0