

Progress in the production and modification of PVDF m

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Design and Construction of Porous Structures in PVDF Membranes in Phase Separation Processes. <i>Advanced Materials Research</i> , 2011, 335-336, 895-898.	0.3	0
2	Dielectric and magnetic properties of polyvinylidene fluoride polymer composites highly loaded with nickel. <i>Science and Engineering of Composite Materials</i> , 2012, 19, 255-258.	0.6	6
3	Effect of Thermal Treatment on the Physical Properties of Electrospun PVDF Membrane. <i>Advanced Materials Research</i> , 0, 591-593, 1113-1116.	0.3	0
4	PMMA Modified PVDF Hollow Fiber Ultrafiltration Membranes. <i>Advanced Materials Research</i> , 0, 465, 229-233.	0.3	6
5	Effect of DS on the Structure and Charged Properties of SPSf/PVDF Blend Membranes via Immersion Precipitation Process. <i>Applied Mechanics and Materials</i> , 2012, 217-219, 546-550.	0.2	0
6	Encapsulation of Semiconductor Gas Sensors with Gas Barrier Films for USN Application. <i>ETRI Journal</i> , 2012, 34, 713-718.	1.2	15
7	Polyvinylidene fluoride membranes for textile dye removal: a factorial design study. <i>International Journal of Environment and Pollution</i> , 2012, 49, 251.	0.2	1
8	Preparation and characterization of PVDF-PFSA flat sheet ultrafiltration membranes. <i>Frontiers of Chemical Science and Engineering</i> , 2012, 6, 301-310.	2.3	9
9	Preparation of PVDF porous membranes by using PVDF-g-PVP powder as an additive and their antifouling property. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1763-1769.	1.4	59
10	Effects of ATRP Grafted PMMA-co-PSBMA-TiO ₂ Nano-particles on the Property and Performance of PVDF Microfiltration Membranes. <i>Procedia Engineering</i> , 2012, 44, 1932-1933.	1.2	1
11	REMOVED: Preparation and Characterisation of Ferrosferric Oxide Filled PVDF Hybrid Membrane for Removal of Dissolved Oxygen in Water. <i>Procedia Engineering</i> , 2012, 44, 1415-1417.	1.2	0
12	All carbon nanotube fiber electrode-based dye-sensitized photovoltaic wire. <i>Journal of Materials Chemistry</i> , 2012, 22, 14856.	6.7	47
13	Hydrophilic poly(vinylidene fluoride) (PVDF) membrane by in situ polymerisation of 2-hydroxyethyl methacrylate (HEMA) and micro-phase separation. <i>Journal of Materials Chemistry</i> , 2012, 22, 9131.	6.7	77
14	Novel mixed matrix membranes for sulfur removal and for fuel cell applications. <i>Journal of Power Sources</i> , 2012, 220, 138-146.	4.0	9
15	Preparation of PVDF-TiO ₂ mixed-matrix membrane and its evaluation on dye adsorption and UV-cleaning properties. <i>Chemical Engineering Journal</i> , 2012, 197, 359-367.	6.6	124
16	Preparation of Polyvinylidene Fluoride (PVDF) Membranes via Nonsolvent Induced Phase Separation Process using a Tween 80 and H ₂ O Mixture As an Additive. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 4388-4396.	1.8	34
17	Preparation, performance and adsorption activity of TiO ₂ nanoparticles entrapped PVDF hybrid membranes. <i>Applied Surface Science</i> , 2012, 263, 660-665.	3.1	64
18	Hyperbranched-polymer functionalized multi-walled carbon nanotubes for poly (vinylidene fluoride) membranes: From dispersion to blended fouling-control membrane. <i>Desalination</i> , 2012, 303, 29-38.	4.0	96

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19	Phase inversion spinning of ultrafine hollow fiber membranes through a single orifice spinneret. <i>Journal of Membrane Science</i> , 2012, 421-422, 8-14.	4.1	23
20	Surface anti-biofouling control of PEGylated poly(vinylidene fluoride) membranes via vapor-induced phase separation processing. <i>Journal of Membrane Science</i> , 2012, 423-424, 53-64.	4.1	38
21	Polymer Electrolytes for Lithium/Sulfur Batteries. <i>Membranes</i> , 2012, 2, 553-564.	1.4	97
22	Preparation and properties of composite polymer electrolyte modified with nano-size rare earth oxide. <i>Journal of Central South University</i> , 2012, 19, 3378-3384.	1.2	6
23	A Comparative Study on the Formation of Porous Membranes with Crystalline and Amorphous Glassy Polymers. <i>Procedia Engineering</i> , 2012, 44, 1225-1226.	1.2	0
24	PVDF Hollow Fibre Membranes with Interconnected Bicontinuous Structures Produced Via Immersion Precipitation Technique. <i>Procedia Engineering</i> , 2012, 44, 571-573.	1.2	2
25	Sensitive Cylindrical SERS Substrate Array for Rapid Microanalysis of Nucleobases. <i>Analytical Chemistry</i> , 2012, 84, 10277-10282.	3.2	32
26	Membrane Distillation: Principle, Advances, Limitations and Future Prospects in Food Industry. , 0, , .		21
27	Oxygenation by a superhydrophobic slip G/L contactor. <i>Lab on A Chip</i> , 2012, 12, 2922.	3.1	12
28	Surface modification of PVDF membranes with sulfobetaine polymers for a stably anti-protein fouling performance. <i>Journal of Applied Polymer Science</i> , 2012, 125, 4015-4027.	1.3	38
29	Nanocrystalline cellulose reinforced poly(vinylidene fluoride)-hexafluoropropylene nanocomposite films as a separator for lithium ion batteries. <i>Journal of Applied Polymer Science</i> , 2012, 126, E442.	1.3	30
30	Effect of spinning conditions on the structure and performance of hydrophobic PVDF hollow fiber membranes for membrane distillation. <i>Desalination</i> , 2012, 287, 326-339.	4.0	104
31	Effect of some parameters on the performance of eletrodialysis using new type of PVDF-SiO ₂ ion-exchange membranes with single salt solution. <i>Desalination</i> , 2012, 290, 83-88.	4.0	13
32	The roles of alkali metal counter-ions of PFSA play in the formation of PVDF/PFSA-M hollow fiber membranes. <i>Desalination</i> , 2012, 292, 45-52.	4.0	22
33	Effects of Additives and Coagulant Temperature on Fabrication of High Performance PVDF/Pluronic F127 Blend Hollow Fiber Membranes via Nonsolvent Induced Phase Separation. <i>Chinese Journal of Chemical Engineering</i> , 2012, 20, 71-79.	1.7	75
34	Dynamic adsorption of Ni(II) and Cd(II) ions from water using 8-hydroxyquinoline ligand immobilized PVDF membrane: Isotherms, thermodynamics and kinetics. <i>Separation and Purification Technology</i> , 2012, 94, 1-8.	3.9	52
35	Extracorporeal endotoxin removal by novel l-serine grafted PVDF membrane modules. <i>Journal of Membrane Science</i> , 2012, 405-406, 104-112.	4.1	38
36	Ultrafiltration PVDF hollow fibre membranes with interconnected bicontinuous structures produced via a single-step phase inversion technique. <i>Journal of Membrane Science</i> , 2012, 407-408, 145-154.	4.1	72

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37	Aging of poly(vinylidene fluoride) hollow fibers in light hydrocarbon environments. <i>Journal of Membrane Science</i> , 2012, 409-410, 302-317.	4.1	24
38	Hydrophilic modification of poly(vinylidene fluoride) membrane with poly(vinyl pyrrolidone) via a cross-linking reaction. <i>Journal of Applied Polymer Science</i> , 2013, 127, 394-401.	1.3	53
39	Modified poly(vinylidene fluoride) hollow fiber composite membranes reinforced by hydroxyapatite nanocrystal whiskers. <i>Journal of Applied Polymer Science</i> , 2013, 127, 4564-4572.	1.3	10
40	Characterization and preparation of poly(vinylidene fluoride) (PVDF) microporous membranes with interconnected bicontinuous structures via non-solvent induced phase separation (NIPS). <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	34
41	Novel membrane surface modification to enhance anti-oil fouling property for membrane distillation application. <i>Journal of Membrane Science</i> , 2013, 447, 26-35.	4.1	222
42	In situ formation of Ag nanoparticles in PVDF ultrafiltration membrane to mitigate organic and bacterial fouling. <i>Desalination</i> , 2013, 324, 48-56.	4.0	120
43	Effect of poling state and morphology of piezoelectric poly(vinylidene fluoride) membranes for skeletal muscle tissue engineering. <i>RSC Advances</i> , 2013, 3, 17938.	1.7	128
44	Highly Hydrophilic Polyvinylidene Fluoride (PVDF) Ultrafiltration Membranes via Postfabrication Grafting of Surface-Tailored Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6694-6703.	4.0	279
45	A review on membrane fabrication: Structure, properties and performance relationship. <i>Desalination</i> , 2013, 326, 77-95.	4.0	823
46	Temperature-sensitive membranes prepared from blends of poly(vinylidene fluoride) and poly(N-isopropylacrylamides) microgels. <i>Colloid and Polymer Science</i> , 2013, 291, 2419-2428.	1.0	26
47	Silica nanoparticles as carriers of antifouling ligands for PVDF ultrafiltration membranes. <i>Journal of Membrane Science</i> , 2013, 433, 135-151.	4.1	133
48	Economical production of PVDF-g-POEM for use as a blend in preparation of PVDF based hydrophilic hollow fibre membranes. <i>Separation and Purification Technology</i> , 2013, 106, 47-55.	3.9	59
49	Microfiltration (MF) membrane fouling potential evaluation of protein with different ion strengths and divalent cations based on extended DLVO theory. <i>Desalination</i> , 2013, 331, 62-68.	4.0	50
50	Synthesis and characterization of PVDF supported silica immobilized phosphotungstic acid (Si-PWA/PVDF) ion exchange membrane. <i>Materials Letters</i> , 2013, 100, 292-295.	1.3	25
51	Preparation of PVDF/PVC composite membrane for wastewater purification. <i>Desalination and Water Treatment</i> , 2013, 51, 3854-3857.	1.0	12
52	Effects of Alkaline Environments at Mild Conditions on the Stability of PVDF Membrane: An Experimental Study. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 15874-15882.	1.8	105
53	Sol-gel preparation of PAA-g-PVDF/TiO ₂ nanocomposite hollow fiber membranes with extremely high water flux and improved antifouling property. <i>Journal of Membrane Science</i> , 2013, 432, 25-32.	4.1	167
54	Computer simulation of the formation of anti-fouling polymeric ultrafiltration membranes with the addition of amphiphilic block copolymers. <i>Journal of Membrane Science</i> , 2013, 442, 97-106.	4.1	15

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55	Controllable modification of polymer membranes by long-distance and dynamic low-temperature plasma flow: AA grafting penetrated through electrospun PP fibrous membranes. <i>Journal of Membrane Science</i> , 2013, 440, 9-19.	4.1	30
56	Preparation and characterization of semi-interpenetrating network polystyrene/PVDF cation exchange alloy membranes. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1220-1227.	1.3	10
57	Structure and pH-sensitive properties of poly (vinylidene fluoride) membrane changed by blending poly (acrylic acid) microgels. <i>Polymers for Advanced Technologies</i> , 2013, 24, 934-944.	1.6	25
58	A poly(vinylidene fluoride)-graft-poly(dopamine acrylamide) copolymer for surface functionalizable membranes. <i>RSC Advances</i> , 2013, 3, 25204.	1.7	30
59	Electrospun poly(vinylidene fluoride)/poly(methyl methacrylate) grafted TiO ₂ composite nanofibrous membrane as polymer electrolyte for lithium-ion batteries. <i>Journal of Power Sources</i> , 2013, 223, 206-213.	4.0	109
60	Hydrophobic asymmetric ultrafiltration PVDF membranes: an alternative separator for VFB with excellent stability. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1766-1771.	1.3	87
61	Insight into the role of amphiphilic pluronic block copolymer as pore-forming additive in PVDF membrane formation. <i>Journal of Membrane Science</i> , 2013, 446, 492-503.	4.1	72
62	Recent advances in preparation and morphology control of polymeric membranes formed by nonsolvent induced phase separation. <i>Current Opinion in Chemical Engineering</i> , 2013, 2, 229-237.	3.8	215
63	PVDF membranes with simultaneously enhanced permeability and selectivity by breaking the tradeoff effect via atomic layer deposition of TiO ₂ . <i>Journal of Membrane Science</i> , 2013, 442, 57-64.	4.1	122
64	Fabrication and characterization of PVDF membranes via an in situ free radical polymerization method. <i>Chemical Engineering Science</i> , 2013, 97, 296-308.	1.9	33
65	Preparation and characterization of PVDF-P(PEGMA-r-MMA) ultrafiltration blend membranes via simplified blend method. <i>Desalination</i> , 2013, 319, 47-59.	4.0	25
66	Surface modification of PVDF hollow fiber membrane to enhance hydrophobicity using organosilanes. <i>Journal of Applied Polymer Science</i> , 2013, 130, 610-621.	1.3	34
67	PVDF-based composite microporous gel polymer electrolytes containing a novel single ionic conductor SiO ₂ (Li ⁺). <i>Electrochimica Acta</i> , 2013, 112, 183-190.	2.6	51
68	Interaction energy evaluation of the role of solution chemistry and organic foulant composition on polysaccharide fouling of microfiltration membrane bioreactors. <i>Chemical Engineering Science</i> , 2013, 104, 1028-1035.	1.9	28
69	A new strategy for ultralow biofouling membranes: Uniform and ultrathin hydrophilic coatings using liquid carbon dioxide. <i>Journal of Membrane Science</i> , 2013, 440, 88-97.	4.1	28
70	Recent development in additives modifications of polyethersulfone membrane for flux enhancement. <i>Chemical Engineering Journal</i> , 2013, 223, 246-267.	6.6	282
71	Effect of clay nanoparticles on the structure and performance of polyethersulfone ultrafiltration membranes. <i>Desalination</i> , 2013, 314, 147-158.	4.0	55
72	Greener and Other Approaches To Synthesize Fe and Pd Nanoparticles in Functionalized Membranes and Hydrogel. <i>ACS Symposium Series</i> , 2013, , 41-58.	0.5	0

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73	Superhydrophobic and Superoleophilic PVDF Membranes for Effective Separation of Water-in-Oil Emulsions with High Flux. <i>Advanced Materials</i> , 2013, 25, 2071-2076.	11.1	1,015
74	Effect of annealing conditions on crystallization behavior and mechanical properties of NIPS poly(vinylidene fluoride) hollow fiber membranes. <i>Journal of Applied Polymer Science</i> , 2013, 129, 1417-1425.	1.3	26
75	Poly(vinylidene fluoride) membrane preparation with an environmental diluent via thermally induced phase separation. <i>Journal of Membrane Science</i> , 2013, 444, 223-236.	4.1	205
76	Precipitation kinetics, morphologies, and properties of poly(vinyl butyral) hollow fiber ultrafiltration membranes with respect to polyvinylpyrrolidone molecular weight. <i>Chemical Engineering Journal</i> , 2013, 225, 25-33.	6.6	30
77	PVDF surfaces with stable superhydrophobicity. <i>Surface and Coatings Technology</i> , 2013, 222, 55-61.	2.2	18
78	Preparation and Carbon Dioxide Separation Performance of a Hollow Fiber Supported Ionic Liquid Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 6770-6777.	1.8	25
79	Effect of graphene oxide concentration on the morphologies and antifouling properties of PVDF ultrafiltration membranes. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 349-354.	3.3	279
80	A wider temperature range polymer electrolyte for all-solid-state lithium ion batteries. <i>RSC Advances</i> , 2013, 3, 10722.	1.7	87
81	Hollow Fibers Structured Packings in Olefin/Paraffin Distillation: Apparatus Scale-Up and Long-Term Stability. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 9165-9179.	1.8	10
82	Effect of ionic liquid on the properties of poly(vinylidene fluoride)-based gel polymer electrolytes. <i>Ionics</i> , 2013, 19, 1587-1593.	1.2	41
83	A New-Generation Asymmetric Multi-Bore Hollow Fiber Membrane for Sustainable Water Production via Vacuum Membrane Distillation. <i>Environmental Science & Technology</i> , 2013, 47, 6272-6278.	4.6	58
84	Evolution of Polyvinylidene Fluoride (PVDF) Hierarchical Morphology during Slow Gelation Process and Its Superhydrophobicity. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5430-5435.	4.0	28
85	Preparation and characterization of PVDF/TiO ₂ hybrid membranes with ionic liquid modified nano-TiO ₂ particles. <i>Journal of Membrane Science</i> , 2013, 427, 259-269.	4.1	116
86	Effect of chemical cleaning conditions on the flux recovery of fouled membrane. <i>Desalination and Water Treatment</i> , 2013, 51, 5268-5274.	1.0	15
89	Study on the Nonisothermal Crystallization Kinetics of Poly(Vinylidene Fluoride)/Tributyl Citrate Blends Via Thermally Induced Phase Separation. <i>Journal of Macromolecular Science - Physics</i> , 2013, 52, 984-997.	0.4	3
90	Acryloylmorpholine-Grafted PVDF Membrane with Improved Protein Fouling Resistance. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 18392-18400.	1.8	104
91	Cheap glass fiber mats as a matrix of gel polymer electrolytes for lithium ion batteries. <i>Scientific Reports</i> , 2013, 3, 3187.	1.6	100
92	Effect of Preparation Methods on Crystallization Behavior and Tensile Strength of Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT/Overlook	1.4	87

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93	Poly(vinylidene fluoride-co-hexafluoropropylene)-graft-poly(dopamine methacrylamide) copolymers: A nonlinear dielectric material for high energy density storage. Applied Physics Letters, 2013, 103, .	1.5	31
94	Preparation of ultrafiltration membrane by newly synthesized AMC polymer. Desalination and Water Treatment, 2013, 51, 5196-5203.	1.0	3
96	Preparation and properties of Fe ³⁺ /PVDF-PMMA catalytic membrane. Desalination and Water Treatment, 2013, 51, 3909-3913.	1.0	5
97	Thermally induced phase separation of poly(vinylidene fluoride)/diluent systems: Optical microscope and infrared spectroscopy studies. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1438-1447.	2.4	34
98	Preparation and properties of PVDF/PPTA blend membranes. Desalination and Water Treatment, 2013, 51, 3814-3820.	1.0	4
99	Membrane filtration of the liquid fraction from a solid-liquid separator for swine manure using a cationic polymer as flocculating agent. Environmental Technology (United Kingdom), 2013, 34, 671-677.	1.2	12
100	Effect of chemical cleaning conditions on the flux recovery of MF membrane as pretreatment of seawater desalination. Desalination and Water Treatment, 2013, 51, 6329-6337.	1.0	6
101	Formation of polyamide 12 membranes via thermal-nonsolvent induced phase separation. Journal of Applied Polymer Science, 2013, 130, 14-24.	1.3	12
102	Purification of High-Complexity Peptide Microarrays by Spatially Resolved Array Transfer to Gold-Coated Membranes. Advanced Materials, 2013, 25, 1598-1602.	11.1	12
103	Tratamento de Água produzida de petróleo para remoção de óleo por processos de separação por membranas: revisão. Engenharia Sanitaria E Ambiental, 2013, 18, 15-26.	0.1	33
104	Clay nanoparticles effects on performance and morphology of poly(vinylidene fluoride) membranes. Brazilian Journal of Chemical Engineering, 2014, 31, 79-93.	0.7	28
105	Preparation and Characterization of PVDF-TiO ₂ Composite Membranes Blended with Different Mw of PVP for Oily Wastewater Treatment using Submerged Membrane System. Jurnal Teknologi (Sciences) Tj ETQq1 1 0784314 rgBT /Over		
106	Characteristic and Performance of Polyvinylidene Fluoride Membranes Blended with Lithium Chloride in Direct Contact Membrane Distillation. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.3	1
107	PVDF hollow fiber formation via modified NIPS method: Evolution elucidation of phase separation mechanism, structure and properties of membrane with coagulation strength varied. Macromolecular Research, 2014, 22, 1275-1281.	1.0	16
108	Study on the structure and vacuum membrane distillation performance of PVDF composite membranes: I. Influence of blending. Separation and Purification Technology, 2014, 133, 303-312.	3.9	56
109	Morphology evolution of poly(vinylidene fluoride) membranes during supercritical CO ₂ assisted phase inversion. Chinese Journal of Polymer Science (English Edition), 2014, 32, 1628-1638.	2.0	3
110	Monitoring of Vapor-Induced Phase Separation during Spin Coating of PVDF by Optical Scattering. International Journal of Polymer Analysis and Characterization, 2014, 19, 585-593.	0.9	5
111	Synthesis of a poly(methyl methacrylate)- <i>b</i> -poly[2-(<i>N,N</i> -dimethylamino) ethyl methacrylate] block copolymer and its effects on the surface charges and pH-responsive properties of poly(vinylidene fluoride) blend membranes. Journal of Applied Polymer Science, 2014, 131, .	1.3	4

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112	Poly(vinylidene fluoride) membrane with piezoelectric β -form prepared by immersion precipitation from mixed solvents containing an ionic liquid. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	9
113	Preparation of PVDF/PMMA Blend Hollow Fiber Ultrafiltration Membranes via Wet Spinning Method. <i>Integrated Ferroelectrics</i> , 2014, 151, 76-82.	0.3	3
114	Studies on properties of temperature-sensitive amphiphilic copolymer-modified PVDF ultrafiltration membrane. <i>Desalination and Water Treatment</i> , 0, , 1-12.	1.0	6
115	Preparation of Sulfobetaine-Grafted PVDF Hollow Fiber Membranes with a Stably Anti-Protein-Fouling Performance. <i>Membranes</i> , 2014, 4, 181-199.	1.4	16
116	Effects of Additives on the Morphology and Performance of PPTA/PVDF in Situ Blend UF Membrane. <i>Polymers</i> , 2014, 6, 1846-1861.	2.0	72
117	Cold rolling for controllable narrowing of pore size and pore size distribution of commercial fluoroplastic microfiltration membrane. <i>Petroleum Chemistry</i> , 2014, 54, 568-572.	0.4	2
118	Effect of solvents on morphology and polymorphism of polyvinylidene fluoride membrane via supercritical CO ₂ induced phase separation. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	12
119	Stability of acrylic acid grafted poly(vinylidene fluoride) hollow fiber membrane prepared by high-energy electron beam. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	2
120	Surface modification of a PVDF membrane by cross-linked collagen. <i>RSC Advances</i> , 2014, 4, 63989-63996.	1.7	15
121	Preparation and characterization polyvinylidene fluoride membranes from water and ethanol coagulants via in situ free radical polymerization. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1044-1053.	1.6	2
122	Ethanol-responsive characteristics of polyethersulfone composite membranes blended with poly(<i>N</i> -isopropylacrylamide) nanogels. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	58
123	Effect of TEP content in cooling bath on porous structure, crystalline and mechanical properties of PVDF hollow fiber membranes. <i>Polymer Engineering and Science</i> , 2014, 54, 2207-2214.	1.5	12
124	Grafting of hydroxymethylacrylamide and acrylic acid copolymer onto polyvinylidene fluoride membrane by supercritical carbon dioxide and its application in dye separation. <i>Polymers for Advanced Technologies</i> , 2014, 25, 693-700.	1.6	7
125	Three-Dimensionally Porous Polystyrene Films Fabricated via an Ultrasound Assisted Template Method. <i>Materials Science Forum</i> , 2014, 809-810, 660-664.	0.3	0
126	Preparation, characterisation and performance of polyvinylidene fluoride membrane for sodium chloride rejection in direct contact membrane distillation. <i>Materials Research Innovations</i> , 2014, 18, S6-359-S6-363.	1.0	1
127	Preparation and Characterization of Poly(vinylidene) Fluoride Membranes Reinforced by Modified Nano-SiO ₂ Particles. <i>Materials Science Forum</i> , 2014, 789, 201-204.	0.3	0
128	Hydrophilic modification of PVDF microfiltration membranes by adsorption of facial amphiphile cholic acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 809-813.	2.5	22
129	Effects of membrane compositions and operating conditions on the filtration and backwashing performance of the activated carbon polymer composite membranes. <i>Desalination</i> , 2014, 352, 181-189.	4.0	12

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130	Preparation and Properties of Two-Dimensional Braid Heterogeneous-Reinforced Polyvinylidene Fluoride Hollow Fiber Membrane. <i>Advanced Materials Research</i> , 0, 936, 218-225.	0.3	11
131	CsH ₂ PO ₄ /Polyvinylidene Fluoride Composite Electrolytes for Intermediate Temperature Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2014, 161, F451-F457.	1.3	38
132	Improved energy harvesting capability of poly(vinylidene fluoride) films modified by reduced graphene oxide. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 1813-1824.	1.4	35
133	Poly(vinylidene fluoride) porous membranes precipitated in water/ethanol dual-coagulation bath: The relationship between morphology and performance in vanadium flow battery. <i>Journal of Power Sources</i> , 2014, 249, 84-91.	4.0	80
134	Enhancing antibacterial performances of PVDF hollow fibers by embedding Ag-loaded zeolites on the membrane outer layer via co-extruding technique. <i>Composites Science and Technology</i> , 2014, 96, 1-6.	3.8	26
135	Effective and low fouling oil/water separation by a novel hollow fiber membrane with both hydrophilic and oleophobic surface properties. <i>Journal of Membrane Science</i> , 2014, 466, 36-44.	4.1	132
136	The enhancement of oxygen separation from the air and water using poly(vinylidene fluoride) membrane modified with superparamagnetic particles. <i>Journal of Membrane Science</i> , 2014, 466, 274-280.	4.1	21
137	Recent progress in fluoropolymers for membranes. <i>Progress in Polymer Science</i> , 2014, 39, 164-198.	11.8	402
138	Partial sulfonation of PVdF-co-HFP: A preliminary study and characterization for application in direct methanol fuel cell. <i>Applied Energy</i> , 2014, 113, 169-177.	5.1	117
139	Dye degradation and antifouling properties of polyvinylidene fluoride/titanium oxide membrane prepared by sol-gel method. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 192-201.	2.7	37
140	Fabrication of hydrophilic and sponge-like PVDF/brush-like copolymer blend membranes using triethylphosphate as solvent. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014, 32, 143-150.	2.0	15
141	Effect of selected spinning parameters on PVDF hollow fiber morphology for potential application in desalination by VMD. <i>Desalination</i> , 2014, 344, 28-35.	4.0	33
142	Application and modification of poly(vinylidene fluoride) (PVDF) membranes – A review. <i>Journal of Membrane Science</i> , 2014, 463, 145-165.	4.1	1,305
143	A facile strategy to enhance PVDF ultrafiltration membrane performance via self-polymerized polydopamine followed by hydrolysis of ammonium fluotitanate. <i>Journal of Membrane Science</i> , 2014, 461, 10-21.	4.1	238
144	The contrastive study of chemical treatment on the properties of PVDF/PFSA and PVDF/PVP ultrafiltration membranes. <i>Desalination</i> , 2014, 341, 72-82.	4.0	42
145	Polyvinylidene fluoride ultrafiltration membrane blended with nano-ZnO particle for photo-catalysis self-cleaning. <i>Desalination</i> , 2014, 332, 67-75.	4.0	183
146	Effect of composition on the properties of PEM based on polybenzimidazole and poly(vinylidene) fluoride. <i>Journal of Membrane Science</i> , 2014, 450, 340-350.	1.8	56
147	Low-biofouling membranes prepared by liquid-induced phase separation of the PVDF/polystyrene-b-poly(ethylene glycol) methacrylate blend. <i>Journal of Membrane Science</i> , 2014, 450, 340-350.	4.1	129

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148	The effect of silver-PAMAM dendrimer nanocomposites on the performance of PVDF membranes. <i>Desalination</i> , 2014, 338, 115-120.	4.0	29
149	Improved hydrodynamic permeability and antifouling properties of poly(vinylidene fluoride) membranes using polydopamine nanoparticles as additives. <i>Journal of Membrane Science</i> , 2014, 457, 73-81.	4.1	117
150	Salt-Induced Fabrication of Superhydrophilic and Underwater Superoleophobic PAA-g-PVDF Membranes for Effective Separation of Oil-in-Water Emulsions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 856-860.	7.2	673
151	Chemical cleaning/disinfection and ageing of organic UF membranes: A review. <i>Water Research</i> , 2014, 56, 325-365.	5.3	216
152	Synthesis and electrochemistry of polymer based electrolytes for Lithium batteries. <i>Progress in Solid State Chemistry</i> , 2014, 42, 85-105.	3.9	45
153	Treatment of wastewater containing oil using phosphorylated silica nanotubes (PSNTs)/polyvinylidene fluoride (PVDF) composite membrane. <i>Desalination</i> , 2014, 332, 109-116.	4.0	41
155	Pore size and flux behavior of polyvinylidene fluoride and polymethyl vinyl ether-alt-maleic anhydride with TiO ₂ . <i>Chemical Engineering Journal</i> , 2014, 241, 513-520.	6.6	7
156	Fabrication of polyvinylidene difluoride nano-hybrid dialysis membranes using functionalized multiwall carbon nanotube for polyethylene glycol (hydrophilic additive) retention. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3744-3753.	2.9	29
157	The effect of Tween-20 additive on the morphology and performance of PVDF membranes. <i>Journal of Membrane Science</i> , 2014, 466, 302-312.	4.1	43
158	An environmentally friendly and economic membrane based on cellulose as a gel polymer electrolyte for lithium ion batteries. <i>RSC Advances</i> , 2014, 4, 76-81.	1.7	108
159	Biomimetic membranes: A review. <i>Journal of Membrane Science</i> , 2014, 454, 359-381.	4.1	314
160	Structural and tribological characteristics of poly(vinylidene fluoride)/functionalized graphene oxide nanocomposite thin films. <i>Composites Science and Technology</i> , 2014, 90, 187-192.	3.8	52
161	Pore structure control of PVDF membranes using a 2-stage coagulation bath phase inversion process for application in membrane distillation (MD). <i>Journal of Membrane Science</i> , 2014, 452, 470-480.	4.1	104
162	The effect of incorporating ionic liquid into polyethersulfone-SAPO34 based mixed matrix membrane on CO ₂ gas separation performance. <i>Separation and Purification Technology</i> , 2014, 135, 252-258.	3.9	67
163	Physicochemical study of polyvinylidene fluoride-Cloisite 15A® composite membranes for membrane distillation application. <i>RSC Advances</i> , 2014, 4, 63367-63379.	1.7	46
164	Development of porous carbon nanofibers from electrospun polyvinylidene fluoride for CO ₂ capture. <i>RSC Advances</i> , 2014, 4, 58956-58963.	1.7	45
165	Synthesis of Low Fouling Porous Polymeric Membranes. <i>Advanced Materials Research</i> , 0, 896, 7-19.	0.3	2
166	Preparation and characterization of pH-sensitive and antifouling poly(vinylidene fluoride) microfiltration membranes blended with poly(methyl methacrylate-2-hydroxyethyl) Tj ETQq1 1 0.784314 rgBT /Oveslock 10 T\$60 57 Td		

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167	Thin-film microextraction for the preconcentration of some endocrine disrupting chemicals in aqueous samples before chromatographic analysis. <i>Analytical Methods</i> , 2014, 6, 6316-6321.	1.3	20
168	Removal of water contaminants by nanoscale zero-valent iron immobilized in PAN-based oxidized membrane. <i>Applied Surface Science</i> , 2014, 321, 158-165.	3.1	35
169	Improvement of the piezoelectric properties of PVDF-HFP using AgNWs. <i>RSC Advances</i> , 2014, 4, 35896-35903.	1.7	50
170	Criteria for the selection of a support material to fabricate coated membranes for a life support device. <i>RSC Advances</i> , 2014, 4, 38711-38717.	1.7	30
171	Study of Carbamate-Modified Disiloxane in Porous PVDF-HFP Membranes: New Electrolytes/Separators for Lithium-Ion Batteries. <i>ChemPhysChem</i> , 2014, 15, 1761-1771.	1.0	42
172	Advances in Polymer-based Nanostructured Membranes for Water Treatment. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1290-1316.	1.9	22
173	Fabrication of a novel dual-layer (PES/PVDF) hollow fiber ultrafiltration membrane for wastewater treatment. <i>Journal of Membrane Science</i> , 2014, 472, 119-132.	4.1	58
174	Morphological and separation performance study of PVDF/CA blend membranes. <i>Journal of Membrane Science</i> , 2014, 470, 547-557.	4.1	78
175	Dye removal by surfactant encapsulated polyoxometalates. <i>Journal of Hazardous Materials</i> , 2014, 280, 428-435.	6.5	27
176	Improvement of Antifouling Properties of Polyvinylidene Fluoride Hollow Fiber Membranes by Simple Dip Coating of Phosphorylcholine Copolymer via Hydrophobic Interactions. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 2491-2497.	1.8	45
177	Enhancing membrane performance by blending ATRP grafted PMMA-TiO ₂ or PMMA-PSBMA-TiO ₂ in PVDF. <i>Separation and Purification Technology</i> , 2014, 133, 22-31.	3.9	40
178	Molecular simulation of the hydrodynamics of water in contact with hydrophilized poly(vinylidene fluoride) membranes. <i>Journal of Membrane Science</i> , 2014, 470, 547-557.	5.0	10
179	Structural elucidation of morphology and performance of the PVDF/PEG membrane. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	34
180	Exploring the synergetic effects of graphene oxide (GO) and polyvinylpyrrolidone (PVP) on poly(vinylidene fluoride) (PVDF) ultrafiltration membrane performance. <i>Applied Surface Science</i> , 2014, 316, 537-548.	3.1	264
181	Photovoltaic performance of dye-sensitized solar cells assembled with electrospun polyacrylonitrile/silica-based fibrous composite membranes. <i>Electrochimica Acta</i> , 2014, 142, 261-267.	2.6	27
182	Investigation of Polyvinylidene Fluoride Membranes Prepared by Using Surfactant OP-10 Alone or with a Second Component, as Additives, via the Non-Solvent-Induced Phase Separation (NIPS) Process. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 1319-1334.	0.4	7
183	Poly(vinylidene fluoride-co-hexafluoropropylene) phase inversion coating as a diffusion layer to enhance the cathode performance in microbial fuel cells. <i>Journal of Power Sources</i> , 2014, 269, 379-384.	4.0	29
184	Single-Step Fabrication Using a Phase Inversion Method of Poly(vinylidene fluoride) (PVDF) Activated Carbon Air Cathodes for Microbial Fuel Cells. <i>Environmental Science and Technology Letters</i> , 2014, 1, 416-420.	3.9	145

#	ARTICLE	IF	CITATIONS
185	Ionic liquid-gelled polyvinylidene fluoride/polyvinyl acetate polymer electrolyte for solid supercapacitor. <i>Chemical Engineering Journal</i> , 2014, 258, 320-326.	6.6	48
186	Enhancing the antifouling property of poly(vinylidene fluoride)/SiO ₂ hybrid membrane through TIPS method. <i>Journal of Materials Science</i> , 2014, 49, 7797-7808.	1.7	35
187	Combining the European chemicals regulation and an (eco)toxicological screening for a safer membrane development. <i>Journal of Cleaner Production</i> , 2014, 83, 404-412.	4.6	13
188	Microstructural variations of poly(vinylidene fluoride co-hexafluoropropylene) and their influence on the thermal, dielectric and piezoelectric properties. <i>Polymer Testing</i> , 2014, 40, 245-255.	2.3	84
189	Synthesis of membrane adsorbers via surface initiated ATRP of 2-dimethylaminoethyl methacrylate from microporous PVDF membranes. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014, 32, 880-891.	2.0	12
190	Properties of electrospun PVDF/PMMA/CA membrane as lithium based battery separator. <i>Cellulose</i> , 2014, 21, 2811-2818.	2.4	36
191	Organic fouling behavior of superhydrophilic polyvinylidene fluoride (PVDF) ultrafiltration membranes functionalized with surface-tailored nanoparticles: Implications for organic fouling in membrane bioreactors. <i>Journal of Membrane Science</i> , 2014, 463, 94-101.	4.1	110
192	Superior Thermostability and Hydrophobicity of Poly(vinylidene fluoride-co-fluoroalkyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 227 Td (fluoride-co- 14-20.	2.2	40
193	Towards non-toxic solvents for membrane preparation: a review. <i>Green Chemistry</i> , 2014, 16, 4034.	4.6	320
195	Preparation and properties of poly (vinylidene fluoride) membranes via the low temperature thermally induced phase separation method. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	22
196	Fabrication of PVDF hollow fiber membranes: Effects of low-concentration Pluronic and spinning conditions. <i>Journal of Membrane Science</i> , 2014, 466, 130-141.	4.1	29
197	Influence of solvent composition and non-solvent activity on the crystalline morphology of PVDF membranes prepared by VIPS process and on their arising mechanical properties. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1087-1097.	2.7	13
198	Modification of poly(vinylidene fluoride)/polyethersulfone blend membrane with polyvinyl alcohol for improving antifouling ability. <i>Journal of Membrane Science</i> , 2014, 466, 293-301.	4.1	55
199	Effect of urea as pore-forming agent on properties of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 227 Td (fluoride-co- 14-20.	4.0	35
200	Reorganization of the surface geometry of hollow-fiber membranes using dip-coating and vapor-induced phase separation. <i>Journal of Membrane Science</i> , 2014, 460, 229-240.	4.1	21
201	Improving the performance of all-solid-state supercapacitors by modifying ionic liquid gel electrolytes with graphene nanosheets prepared by arc-discharge. <i>Chinese Chemical Letters</i> , 2014, 25, 859-864.	4.8	26
202	Conferring pH-sensitivity on poly (vinylidene fluoride) membrane by poly (acrylic acid-co-butyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 102	2.0	23
203	Preparation and characterization of poly(vinylidene fluoride) flat sheet membrane with Tg tunable amphiphilic terpolymer as membrane additive. <i>Desalination</i> , 2014, 338, 49-56.	4.0	6

#	ARTICLE	IF	CITATIONS
204	Polyvinylidene fluoride and polyetherimide hollow fiber membranes for CO ₂ stripping in membrane contactor. <i>Chemical Engineering Research and Design</i> , 2014, 92, 1391-1398.	2.7	42
205	Influence of temperature on ionic liquid-based gel polymer electrolyte prepared by electrospun fibrous membrane. <i>Electrochimica Acta</i> , 2014, 116, 321-325.	2.6	15
206	Wettability adjustment of PVDF surfaces by combining radiation-induced grafting of (2,3,4,5,6)-pentafluorostyrene and subsequent chemoselective "click-type" reaction. <i>Polymer</i> , 2014, 55, 2628-2634.	1.8	26
207	Protein immobilization onto poly (vinylidene fluoride) microporous membranes activated by the atmospheric pressure low temperature plasma. <i>Polymer</i> , 2014, 55, 2780-2791.	1.8	45
208	Nanoclay embedded mixed matrix PVDF nanocomposite membrane: Preparation, characterization and biofouling resistance. <i>Applied Surface Science</i> , 2014, 313, 207-214.	3.1	49
209	Recent progress in developing advanced membranes for emulsified oil/water separation. <i>NPG Asia Materials</i> , 2014, 6, e101-e101.	3.8	584
210	Preparation of hybrid polymer based on polyurethane lithium salt and polyvinylidene fluoride as electrolyte for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014, 136, 513-520.	2.6	22
211	Electrospun nanofibrous PVDF/PMMA MF membrane in laboratory and pilot-scale study treating wastewater from Seoul Zoo. <i>Desalination</i> , 2014, 346, 107-114.	4.0	28
212	Integration of micro-filtration into osmotic membrane bioreactors to prevent salinity build-up. <i>Bioresource Technology</i> , 2014, 167, 116-123.	4.8	94
213	Preparation and characterizations of poly(vinylidene fluoride)/oxidized multi-wall carbon nanotube membranes with bi-continuous structure by thermally induced phase separation method. <i>Journal of Membrane Science</i> , 2014, 467, 142-152.	4.1	55
214	Cellulose and Its Derivatives for Membrane Separation Processes. , 2015, , 220-241.		0
216	Polyethersulfone (PES)/Cellulose Acetate Butyrate (CAB) Hybrid Hollow Fiber Membranes for Organic Matter Removal from Produced Water. , 2015, , .		1
217	Partially Sulfonated Poly(vinylidene fluoride) Induced Enhancements of Properties and DMFC Performance of Nafion Electrolyte Membrane. <i>Fuel Cells</i> , 2015, 15, 505-515.	1.5	29
218	The application of polyethyleneimine draw solution in a combined forward osmosis/nanofiltration system. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	36
219	Selective isolation of bacteria for metagenomic analysis: Impact of membrane characteristics on bacterial filterability. <i>Biotechnology Progress</i> , 2015, 31, 853-866.	1.3	17
220	Preparation of dual-layer acetylated methyl cellulose hollow fiber membranes via co-extrusion using thermally induced phase separation and non-solvent induced phase separation methods. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	4
221	Influence of a graphene oxide additive and the conditions of membrane formation on the morphology and separative properties of poly(vinylidene fluoride) membranes. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	19
222	Tributyl Citrate as Diluent for Preparation of PvdF Porous Membrane via Thermally Induced Phase Separation. <i>Polymers and Polymer Composites</i> , 2015, 23, 175-180.	1.0	7

#	ARTICLE	IF	CITATIONS
223	FABRICATION AND CHARACTERIZATION OF POLYVINYLIDENE FLUORIDE COMPOSITE NANOFIBER MEMBRANE FOR WATER FLUX PROPERTY. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.3	1
224	Thermal Spectroscopy and Kinetic Studies of PEO/PVDF Loaded by Carbon Nanotubes. Journal of Materials, 2015, 2015, 1-8.	0.1	12
225	Effects of PVDF/SiO ₂ hybrid ultrafiltration membranes by sol-gel method for the concentration of fennel oil in herbal water extract. RSC Advances, 2015, 5, 18258-18266.	1.7	21
226	The effects of hydroxyapatite nano whiskers and its synergism with polyvinylpyrrolidone on poly(vinylidene fluoride) hollow fiber ultrafiltration membranes. RSC Advances, 2015, 5, 21532-21543.	1.7	32
227	Bio-inspired adhesion: fabrication and evaluation of molecularly imprinted nanocomposite membranes by developing a "bio-glue" imprinted methodology. RSC Advances, 2015, 5, 46146-46157.	1.7	10
228	Study on structure and vacuum membrane distillation performance of PVDF membranes: II. Influence of molecular weight. Chemical Engineering Journal, 2015, 276, 174-184.	6.6	59
229	Characteristics of PVDF Membranes Irradiated by Electron Beam. Membranes, 2015, 5, 1-10.	1.4	51
230	Preparation of a novel anti-fouling β -cyclodextrin-PVDF membrane. RSC Advances, 2015, 5, 51364-51370.	1.7	41
231	Improved separation and antifouling performance of PVA thin film nanocomposite membranes incorporated with carboxylated TiO ₂ nanoparticles. Journal of Membrane Science, 2015, 485, 48-59.	4.1	121
232	Engineered iron/iron oxide functionalized membranes for selenium and other toxic metal removal from power plant scrubber water. Journal of Membrane Science, 2015, 488, 79-91.	4.1	69
233	Enhancement effects of two kinds of carbon black on piezoelectricity of PVDF-HFP composite films. Functional Materials Letters, 2015, 08, 1540006.	0.7	4
234	Composite polyvinylidene fluoride (PVDF) membrane impregnated with Fe ₂ O ₃ nanoparticles and multiwalled carbon nanotubes for catalytic degradation of organic contaminants. Journal of Membrane Science, 2015, 490, 227-235.	4.1	89
235	High-performance polyvinylidene fluoride/poly(styrene-butadiene-styrene)/functionalized MWCNTs-SCN-Ag nanocomposite membranes. Iranian Polymer Journal (English Edition), 2015, 24, 549-559.	1.3	17
236	In-situ combined dual-layer CNT/PVDF membrane for electrically-enhanced fouling resistance. Journal of Membrane Science, 2015, 491, 37-44.	4.1	97
237	Characteristics of membrane fouling by consecutive chemical cleaning in pressurized ultrafiltration as pre-treatment of seawater desalination. Desalination, 2015, 369, 51-61.	4.0	49
238	Hydrophilic Modification of PVDF Membrane by Using PHEMA-PDMS-PHEMA Amphiphilic Copolymer as Additive. Applied Mechanics and Materials, 0, 799-800, 16-20.	0.2	0
239	A novel hydrophilic treatment of polyvinylidene fluoride membrane based on layer-by-layer assembly. Materials Research Innovations, 2015, 19, S2-18-S2-22.	1.0	2
240	Evaluation of the fracture behaviors of fluoropolymer binders with the essential work of fracture (EWF). RSC Advances, 2015, 5, 100408-100417.	1.7	13

#	ARTICLE	IF	CITATIONS
241	Piezoelectric PVDF thin films with asymmetric microporous structures for pressure sensing. , 2015, , .		1
242	Electrospun Poly (Vinylidene Fluoride)/Poly (Methyl Methacrylate) Composite Nanofibers Polymer Electrolyte for Batteries. , 2015, 10, 595-602.		18
243	Hydrophilic modification of polyvinyl chloride hollow fiber membranes by silica with a weak in situ sol-gel method. RSC Advances, 2015, 5, 13733-13742.	1.7	17
244	pH-Induced non-fouling membrane for effective separation of oil-in-water emulsion. Journal of Membrane Science, 2015, 477, 131-138.	4.1	72
245	Making polymeric membranes antifouling via grafting from polymerization of zwitterions. Journal of Applied Polymer Science, 2015, 132, .	1.3	62
246	Facile and low-cost approach towards a PVDF ultrafiltration membrane with enhanced hydrophilicity and antifouling performance via graphene oxide/water-bath coagulation. RSC Advances, 2015, 5, 7880-7889.	1.7	141
247	Modification of membrane surfaces via microswelling for fouling control in drinking water treatment. Journal of Membrane Science, 2015, 475, 488-495.	4.1	41
248	Polymerization and Functionalization of Membrane Pores for Water Related Applications. Industrial & Engineering Chemistry Research, 2015, 54, 4174-4182.	1.8	47
249	A robust superhydrophobic PVDF composite coating with wear/corrosion-resistance properties. Applied Surface Science, 2015, 332, 518-524.	3.1	95
250	Microalgae recovery by ultrafiltration using novel fouling-resistant PVDF membranes with in situ PEGylated polyethyleneimine particles. Water Research, 2015, 73, 181-192.	5.3	64
251	Synthesis and characterization of poly (vinylidene fluoride)-calcium phosphate composite for potential tissue engineering applications. Ceramics International, 2015, 41, 7066-7072.	2.3	25
252	Impact of casting conditions on PVDF/nanoclay nanocomposite membrane properties. Chemical Engineering Journal, 2015, 267, 73-85.	6.6	22
253	Preparation and characterization of nano-chitin whisker reinforced PVDF membrane with excellent antifouling property. Journal of Membrane Science, 2015, 480, 1-10.	4.1	57
254	Controllable transition from finger-like pores to inter-connected pores of PLLA membranes. Journal of Membrane Science, 2015, 478, 96-104.	4.1	73
255	Ultrafiltration of oil/water emulsions using PVDF/PC blend membranes. Desalination and Water Treatment, 2015, 53, 569-578.	1.0	15
256	Improving permeability and antifouling performance of polyethersulfone ultrafiltration membrane by incorporation of ZnO-DMF dispersion containing nano-ZnO and polyvinylpyrrolidone. Journal of Membrane Science, 2015, 478, 105-116.	4.1	155
257	Membranes used in membrane distillation: preparation and characterization. , 2015, , 317-359.		12
258	Structuring of polymer solutions upon solvent evaporation. Physical Review E, 2015, 91, 022602.	0.8	32

#	ARTICLE	IF	CITATIONS
259	Polyvinylidene fluoride dense membrane for the pervaporation of methyl acetate-methanol mixtures. <i>Journal of Membrane Science</i> , 2015, 482, 128-136.	4.1	23
260	Enhanced ionic polymer metal composite actuator with porous nafion membrane using zinc oxide particulate leaching method. <i>Smart Materials and Structures</i> , 2015, 24, 037007.	1.8	14
261	Preparation and characterization of a polyethersulfone/polyaniline nanocomposite membrane for ultrafiltration and as a substrate for a gas separation membrane. <i>RSC Advances</i> , 2015, 5, 27211-27223.	1.7	71
262	Interplay of liquid-liquid and solid-liquid phase separation mechanisms in porosity and polymorphism evolution within poly(vinylidene fluoride) nanofibers. <i>Fibers and Polymers</i> , 2015, 16, 326-344.	1.1	22
263	From hydrophobic to hydrophilic polyvinylidene fluoride (PVDF) membranes by gaining new insight into material's properties. <i>RSC Advances</i> , 2015, 5, 56219-56231.	1.7	60
264	Effect of PE-g-MA compatibilizer on the structure and performance of HDPE/EVA blend membranes fabricated via TIPS method. <i>Chemical Engineering Research and Design</i> , 2015, 100, 237-247.	2.7	40
265	Mixed Matrix PVDF Membranes With in Situ Synthesized PAMAM Dendrimer-Like Particles: A New Class of Sorbents for Cu(II) Recovery from Aqueous Solutions by Ultrafiltration. <i>Environmental Science & Technology</i> , 2015, 49, 9431-9442.	4.6	48
266	Improved antifouling property of PVDF ultrafiltration membrane with plasma treated PVDF powder. <i>RSC Advances</i> , 2015, 5, 64526-64533.	1.7	21
267	Preparation of porous poly(vinylidene fluoride) membranes with acrylate particles for electro dialysis application. <i>Separation and Purification Technology</i> , 2015, 150, 102-111.	3.9	26
268	Surface modification of polypropylene microfiltration membrane by grafting poly(sulfobetaine) Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Membrane Science</i> , 2015, 492, 249-256.	4.1	69
269	Electrospinning superhydrophobic-superoleophilic fibrous PVDF membranes for high-efficiency water-oil separation. <i>Materials Letters</i> , 2015, 160, 423-427.	1.3	154
270	Crystalline polymorphism in poly(vinylidene fluoride) membranes. <i>Progress in Polymer Science</i> , 2015, 51, 94-126.	11.8	305
271	Effect of citrate-based non-toxic solvents on poly(vinylidene fluoride) membrane preparation via thermally induced phase separation. <i>Journal of Membrane Science</i> , 2015, 493, 232-242.	4.1	64
272	PVDF-HFP/ether-modified polysiloxane membranes obtained via airbrush spraying as active separators for application in lithium ion batteries. <i>Chemical Communications</i> , 2015, 51, 12048-12051.	2.2	50
273	Engineering flat sheet microporous PVDF films for membrane distillation. <i>Journal of Membrane Science</i> , 2015, 492, 355-363.	4.1	118
274	A systematic assessment method for the investigation of the PVDF membrane stability. <i>Desalination and Water Treatment</i> , 2015, , 1-12.	1.0	8
275	Pore-scale modeling and simulation of flow, transport, and adsorptive or osmotic effects in membranes: the influence of membrane microstructure. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2015, 7, 2-13.	0.7	14
276	Application of nano TiO ₂ modified hollow fiber membranes in algal membrane bioreactors for high-density algae cultivation and wastewater polishing. <i>Bioresource Technology</i> , 2015, 193, 135-141.	4.8	86

#	ARTICLE	IF	CITATIONS
277	Antifouling PVDF membrane with hydrophilic surface of terry pile-like structure. <i>Journal of Membrane Science</i> , 2015, 493, 243-251.	4.1	66
278	Effect of Silica and Tin Oxide Nanoparticles on Properties of Nanofibrous Electrospun Separators. <i>Journal of the Electrochemical Society</i> , 2015, 162, A915-A920.	1.3	29
279	Preparation and characterization of Protein A-immobilized PVDF and PES membranes. <i>EXPRESS Polymer Letters</i> , 2015, 9, 2-13.	1.1	14
280	Influence of oxygen plasma treatment parameters on poly(vinylidene fluoride) electrospun fiber mats wettability. <i>Progress in Organic Coatings</i> , 2015, 85, 151-158.	1.9	79
281	Enhanced antifouling behaviours of polyvinylidene fluoride membrane modified through blending with nano-TiO ₂ /polyethylene glycol mixture. <i>Applied Surface Science</i> , 2015, 345, 418-427.	3.1	47
282	Hybrid gel polymer electrolyte fabricated by electrospinning technology for polymer lithium-ion battery. <i>European Polymer Journal</i> , 2015, 67, 365-372.	2.6	51
283	Fabrication and characterization of novel asymmetric polyvinylidene fluoride (PVDF) membranes by the nonsolvent thermally induced phase separation (NTIPS) method for membrane distillation applications. <i>Journal of Membrane Science</i> , 2015, 489, 160-174.	4.1	124
284	Mussel-Inspired Hybrid Coatings that Transform Membrane Hydrophobicity into High Hydrophilicity and Underwater Superoleophobicity for Oil-in-Water Emulsion Separation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9534-9545.	4.0	276
285	Assessment of the performance of three ultrafiltration membranes for fractionation of ovine second cheese whey. <i>International Dairy Journal</i> , 2015, 48, 31-37.	1.5	29
286	Polyvinylidene fluoride/poly(ethylene-co-vinyl alcohol) blended membranes and a systematic insight into their antifouling properties. <i>RSC Advances</i> , 2015, 5, 36325-36333.	1.7	17
287	Tailoring microstructure and physical properties of poly(vinylidene fluoride-hexafluoropropylene) porous films. <i>Journal of Materials Science</i> , 2015, 50, 5047-5058.	1.7	14
288	Asymmetric membranes as ideal wound dressings: An overview on production methods, structure, properties and performance relationship. <i>Journal of Membrane Science</i> , 2015, 490, 139-151.	4.1	235
289	Engineering a Highly Hydrophilic PVDF Membrane via Binding TiO ₂ Nanoparticles and a PVA Layer onto a Membrane Surface. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8427-8436.	4.0	157
290	Fabrication and characterization of PVDF hollow fiber membranes employing in-situ self-assembly modulation concept. <i>Journal of Membrane Science</i> , 2015, 486, 119-131.	4.1	11
291	Synthesis of well-defined amphiphilic block copolymers via AGET ATRP used for hydrophilic modification of PVDF membrane. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	5
292	Surface modification of poly(vinylidene fluoride) membrane with hydrophilic and anti-fouling performance via a two-step polymerization. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 2492-2500.	1.2	10
293	Preparation and characterization of PVDF-glass fiber composite membrane reinforced by interfacial UV-grafting copolymerization. <i>Journal of Environmental Sciences</i> , 2015, 38, 24-35.	3.2	19
294	Effect of graphene modified by a long alkyl chain ionic liquid on crystallization kinetics behavior of poly(vinylidene fluoride). <i>RSC Advances</i> , 2015, 5, 92418-92427.	1.7	16

#	ARTICLE	IF	CITATIONS
295	Highly effective CO ₂ capture using super-fine PVDF hollow fiber membranes with sub-layer large cavities. RSC Advances, 2015, 5, 92234-92253.	1.7	19
296	Polymer Nanocomposite of PVDF/Organoclay-Copper Nanoparticles hybrid: Synthesis and Characterization. Materials Today: Proceedings, 2015, 2, 3921-3931.	0.9	2
297	Microporous polyvinylidene fluoride film with dense surface enables efficient piezoelectric conversion. Applied Physics Letters, 2015, 106, .	1.5	28
298	Preparation of antifouling poly(vinylidene fluoride) membranes via different coating methods using a zwitterionic copolymer. Applied Surface Science, 2015, 357, 1388-1395.	3.1	35
299	Microporous layers based on poly(vinylidene fluoride) and sulfonated poly(vinylidene fluoride). International Journal of Hydrogen Energy, 2015, 40, 14690-14698.	3.8	18
300	PVDF/palygorskite composite ultrafiltration membranes with enhanced abrasion resistance and flux. Journal of Membrane Science, 2015, 495, 91-100.	4.1	42
301	Polyvinylidene fluoride membranes impregnated at optimised content of pristine and functionalised multi-walled carbon nanotubes for improved water permeation, solute rejection and mechanical properties. Separation and Purification Technology, 2015, 154, 290-300.	3.9	19
302	Facile preparation of superamphiphobic epoxy resin/modified poly(vinylidene fluoride)/fluorinated ethylene propylene composite coating with corrosion/wear-resistance. Applied Surface Science, 2015, 357, 229-235.	3.1	38
303	Hydrophilicity, morphology and excellent adsorption ability of poly(vinylidene fluoride) membranes induced by graphene oxide and polyvinylpyrrolidone. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 486, 172-184.	2.3	32
304	Membrane Materials. Advances in Chemical and Process Engineering, 2015, , 77-117.	0.0	0
305	Incorporation of nano-Al ₂ O ₃ within the blend of sulfonated-PVdF-co-HFP and Nafion for high temperature application in DMFCs. RSC Advances, 2015, 5, 63465-63472.	1.7	34
306	The preparation of microporous PVDF membranes with dithiophosphates and modification of surface properties by Helicon plasma. , 2015, , .		1
307	Effect of functionalized multi-walled carbon nanotubes on the microstructure and performances of PVDF membranes. RSC Advances, 2015, 5, 75998-76006.	1.7	25
308	Synthesis of an aminated poly(vinylidene fluoride-g-4-vinyl benzyl chloride) anion exchange membrane for membrane capacitive deionization(MCDI). Journal of Membrane Science, 2015, 495, 316-321.	4.1	35
309	Poly(vinylidene fluoride-trifluoroethylene) Porous Films: Tailoring Microstructure and Physical Properties by Solvent Casting Strategies. Soft Materials, 2015, 13, 243-253.	0.8	19
310	Enhancement of electroactive β phase crystallization and dielectric constant of PVDF by incorporating GeO ₂ and SiO ₂ nanoparticles. Physical Chemistry Chemical Physics, 2015, 17, 22784-22798.	1.3	96
311	Improving antifouling ability and hemocompatibility of poly(vinylidene fluoride) membranes by polydopamine-mediated ATRP. Journal of Materials Chemistry B, 2015, 3, 7698-7706.	2.9	48
312	Hybrid PVDF/PVDF- <i>graft</i> -PEGMA Membranes for Improved Interface Strength and Lifetime of PEDOT:PSS/PVDF/Ionic Liquid Actuators. ACS Applied Materials & Interfaces, 2015, 7, 19966-19977.	4.0	39

#	ARTICLE	IF	CITATIONS
313	Development of carbon free diffusion layer for activated carbon air cathode of microbial fuel cells. <i>Bioresource Technology</i> , 2015, 197, 318-322.	4.8	41
314	Hydrophilic poly(vinylidene fluoride) porous membrane with well connected ion transport networks for vanadium flow battery. <i>Journal of Power Sources</i> , 2015, 298, 228-235.	4.0	31
315	Batwing-like polymer membrane consisting of PMMA-grafted electrospun PVDF/SiO ₂ nanocomposite fibers for lithium-ion batteries. <i>Journal of Membrane Science</i> , 2015, 495, 341-350.	4.1	81
316	Preparation and catalytic property of PVDF composite membrane with polymeric spheres decorated by Pd nanoparticles in membrane pores. <i>Journal of Membrane Science</i> , 2015, 496, 95-107.	4.1	39
317	Enhanced separation and antifouling properties of PVDF ultrafiltration membranes with surface covalent self-assembly of polyethylene glycol. <i>RSC Advances</i> , 2015, 5, 81115-81122.	1.7	19
318	Interfacial polymerization on hydrophobic PVDF UF membranes surface: Membrane wetting through pressurization. <i>Applied Surface Science</i> , 2015, 356, 1207-1213.	3.1	16
319	Electrochemical and Mechanical Properties of the PVDF/PEO-Coatings on Magnesium Alloy. <i>Solid State Phenomena</i> , 2015, 245, 130-136.	0.3	1
320	Novel composite cation exchange films based on sulfonated PVDF for electromembrane separations. <i>Journal of Membrane Science</i> , 2015, 474, 167-174.	4.1	55
321	PVDF membrane biofunctionalization by chemical grafting. <i>Journal of Membrane Science</i> , 2015, 476, 483-489.	4.1	55
322	Fouling control through the hydrophilic surface modification of poly(vinylidene fluoride) membranes. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	10
323	Mussel-inspired tailoring of membrane wettability for harsh water treatment. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2650-2657.	5.2	175
324	Improved antifouling properties of TiO ₂ /PVDF nanocomposite membranes in UV-coupled ultrafiltration. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	77
325	Prevention of surfactant wetting with agarose hydrogel layer for direct contact membrane distillation used in dyeing wastewater treatment. <i>Journal of Membrane Science</i> , 2015, 475, 511-520.	4.1	95
326	Simple synthesis of smart magnetically driven fibrous films for remote controllable oil removal. <i>Nanoscale</i> , 2015, 7, 2625-2632.	2.8	66
327	Superhydrophobic and Superoleophilic Porous Boron Nitride Nanosheet/Polyvinylidene Fluoride Composite Material for Oil-polluted Water Cleanup. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400267.	1.9	125
328	Multi-walled carbon nanotube/PVDF blended membranes with sponge- and finger-like pores for direct contact membrane distillation. <i>Desalination</i> , 2015, 357, 233-245.	4.0	158
329	A one-pot method for the preparation of mixed matrix polyvinylidene fluoride membranes with in situ synthesized and PEGylated polyethyleneimine particles. <i>Journal of Membrane Science</i> , 2015, 474, 277-287.	4.1	15
330	Potential of Membrane Distillation for Production of High Quality Fruit Juice Concentrate. <i>Critical Reviews in Food Science and Nutrition</i> , 2015, 55, 1098-1113.	5.4	31

#	ARTICLE	IF	CITATIONS
331	Preparation and characterizations of charged PVDF membranes via composite thermally induced phase separation (C-TIPS) method. Journal of Industrial and Engineering Chemistry, 2015, 21, 1005-1013.	2.9	23
332	Tertiary amine block copolymer containing ultrafiltration membrane with pH-dependent macromolecule sieving and Cr(VI) removal properties. Desalination, 2015, 355, 91-98.	4.0	40
333	Impact of in situ physical and chemical cleaning on PVDF membrane properties and performances. Chemical Engineering Science, 2015, 122, 426-435.	1.9	103
334	Preparation and characterization of PVDF membranes incorporated with different additives for dyeing solution treatment using membrane distillation. Desalination and Water Treatment, 2015, 56, 1999-2012.	1.0	41
335	Tailoring novel fibrillar morphologies in poly(vinylidene fluoride) membranes using a low toxic triethylene glycol diacetate (TEGDA) diluent. Journal of Membrane Science, 2015, 473, 128-136.	4.1	64
336	Salt-leached microporous membranes for lithium batteries. Ionics, 2015, 21, 79-87.	1.2	8
337	Poly(vinylidene fluoride) (PVDF) membranes for fluid separation. Reactive and Functional Polymers, 2015, 86, 134-153.	2.0	112
338	Persistently hydrophilic microporous membranes based on in situ cross-linking. Journal of Membrane Science, 2015, 474, 224-232.	4.1	28
339	Recent advances in membrane distillation processes: Membrane development, configuration design and application exploring. Journal of Membrane Science, 2015, 474, 39-56.	4.1	740
340	The preparation and performance of nanomagnesium oxide-filled polyvinylidene fluoride membranes. Journal of Thermoplastic Composite Materials, 2016, 29, 670-679.	2.6	2
341	Development of PVDF Membrane Nanocomposites via Various Functionalization Approaches for Environmental Applications. Polymers, 2016, 8, 32.	2.0	21
343	Preparation of PVDF/CaCO ₃ hybrid hollow fiber membranes for direct contact membrane distillation through TIPS method. Journal of Applied Polymer Science, 2016, 133, .	1.3	11
344	Ethanol-Responsive Poly(Vinylidene Difluoride) Membranes with Nanogels as Functional Gates. Chemical Engineering and Technology, 2016, 39, 841-848.	0.9	7
345	Morphology and performance of PVDF TIPS microfiltration hollow fiber membranes prepared from PVDF/DBP/DOP systems for industrial application. Journal of Chemical Technology and Biotechnology, 2016, 91, 1697-1708.	1.6	24
346	Preparation of PVDF/poly(tetrafluoroethylene-co-vinyl alcohol) blend membranes with antifouling propensities via nonsolvent induced phase separation method. Journal of Applied Polymer Science, 2016, 133, .	1.3	8
347	Preparation of novel high copper ions removal membranes by embedding organosilane-functionalized multi-walled carbon nanotube. Journal of Chemical Technology and Biotechnology, 2016, 91, 2322-2330.	1.6	49
348	Influence of support layer and PDMS coating conditions on composite membrane performance for ethanol/water separation by pervaporation. Journal of Applied Polymer Science, 2016, 133, .	1.3	34
349	Investigating the thermal, mechanical, and electrochemical properties of PVdF/PVP nanofibrous membranes for supercapacitor applications. Journal of Applied Polymer Science, 2016, 133, .	1.3	24

#	ARTICLE	IF	CITATIONS
350	Self-formation of microporous polysulfone hollow fiber using a single nozzle spinneret and reduction of phase-inversion speed. Japanese Journal of Applied Physics, 2016, 55, 06GH06.	0.8	2
351	Photocatalytic Degradation of Oil using Polyvinylidene Fluoride/Titanium Dioxide Composite Membrane for Oily Wastewater Treatment. MATEC Web of Conferences, 2016, 69, 05003.	0.1	13
352	Hydrophilic modification of poly(vinylidene fluoride) ultrafiltration membranes by surface UV photo-grafting with N,N-dimethyl-methylene-bisacrylamide as monomer and Ce(IV) as initiator. Journal of Water Reuse and Desalination, 2016, 6, 280-289.	1.2	2
353	Dual layer hollow fiber PVDF ultra-filtration membranes containing Ag nano-particle loaded zeolite with longer term anti-bacterial capacity in salt water. Water Science and Technology, 2016, 73, 2159-2167.	1.2	5
354	Durable antifouling polyvinylidene fluoride membrane via surface zwitterionization mediated by an amphiphilic copolymer. RSC Advances, 2016, 6, 114024-114036.	1.7	9
355	Enhanced antifouling ability of a poly(vinylidene fluoride) membrane functionalized with a zwitterionic serine-based layer. RSC Advances, 2016, 6, 85612-85620.	1.7	8
356	Enhanced hydrophilicity of a thermo-responsive PVDF/palygorskite-g-PNIPAAm hybrid ultrafiltration membrane via surface segregation induced by temperature. RSC Advances, 2016, 6, 62186-62192.	1.7	17
357	Crystal nuclei templated nanostructured membranes prepared by solvent crystallization and polymer migration. Nature Communications, 2016, 7, 12804.	5.8	42
358	Ammonium persulphate as novel additive for filtration performance improvement of PVDF microporous membrane. Separation and Purification Technology, 2016, 165, 78-85.	3.9	6
359	Thermally induced phase separation and electrospinning methods for emerging membrane applications: A review. AIChE Journal, 2016, 62, 461-490.	1.8	271
360	PVDF membranes prepared via thermally induced (liquid-liquid) phase separation and their application in municipal sewage and industry wastewater for water recycling. Desalination and Water Treatment, 2016, 57, 22258-22276.	1.0	14
361	Preparation and properties of PVDF/SiO ₂ @GO nanohybrid membranes via thermally induced phase separation method. Journal of Membrane Science, 2016, 511, 151-161.	4.1	73
362	Composite Membrane with Underwater-Oleophobic Surface for Anti-Oil-Fouling Membrane Distillation. Environmental Science & Technology, 2016, 50, 3866-3874.	4.6	190
363	Antifouling polyethersulfone membrane blended with a dual-mode amphiphilic copolymer. Journal of Materials Science, 2016, 51, 7383-7394.	1.7	10
364	Highly-fluorous pyrazolide-based lithium salt in PVDF-HFP as solid polymer electrolyte. Solid State Ionics, 2016, 292, 45-51.	1.3	18
365	A green approach assembled multifunctional Ag/AgBr/TNF membrane for clean water production & disinfection of bacteria through utilizing visible light. Applied Catalysis B: Environmental, 2016, 196, 57-67.	10.8	58
366	Effect of type of poly(ethylene glycol) (PEG) based amphiphilic copolymer on antifouling properties of copolymer/poly(vinylidene fluoride) (PVDF) blend membranes. Journal of Membrane Science, 2016, 514, 429-439.	4.1	106
367	Novel polyvinylidene fluoride nanofiltration membrane blended with functionalized halloysite nanotubes for dye and heavy metal ions removal. Journal of Hazardous Materials, 2016, 317, 60-72.	6.5	260

#	ARTICLE	IF	CITATIONS
368	Preparation and characterization of a novel hydrophilic poly(vinylidene fluoride) filtration membrane incorporated with Zn-Al layered double hydroxides. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 39, 37-47.	2.9	22
369	Effect of polar rotation on the formation of porous poly(vinylidene fluoride) membranes by immersion precipitation in an alcohol bath. <i>Journal of Membrane Science</i> , 2016, 513, 186-196.	4.1	26
370	Surface Wetting Study via Pseudocontinuum Modeling. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11528-11534.	1.5	13
371	A facile method for the preparation of poly(vinylidene fluoride) membranes filled with cross-linked sulfonated polystyrene. <i>Reactive and Functional Polymers</i> , 2016, 99, 42-48.	2.0	12
372	Fabrication of laminated and coated Nafion 117 membranes for reduced mass transfer in microbial fuel cells. <i>RSC Advances</i> , 2016, 6, 21526-21534.	1.7	23
373	The use of poly(vinylidene fluoride-co-hexafluoropropylene) for the preparation of polymer inclusion membranes. Application to the extraction of thiocyanate. <i>Journal of Membrane Science</i> , 2016, 510, 481-488.	4.1	43
374	Protective PVDF-HFP-based membranes for air de-hydration at the cathode of the rechargeable Li-air cell. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 617-626.	1.5	28
375	Preparation of mixed matrix PES-based nanofiltration membrane filled with PANI-co-MWCNT composite nanoparticles. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1462-1471.	1.2	35
376	Application of Zirconium/PVA Modified Flat-Sheet PVDF Membrane for the Removal of Phosphate from Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 6835-6844.	1.8	27
377	A new strategy to simultaneously improve the permeability, heat-deformation resistance and antifouling properties of polylactide membrane via bio-based β -cyclodextrin and surface crosslinking. <i>Journal of Membrane Science</i> , 2016, 513, 166-176.	4.1	36
378	Alkaline-induced superhydrophilic/underwater superoleophobic polyacrylonitrile membranes with ultralow oil-adhesion for high-efficient oil/water separation. <i>Journal of Membrane Science</i> , 2016, 513, 67-73.	4.1	154
379	Antibiofouling Polyvinylidene Fluoride Membrane Modified by Quaternary Ammonium Compound: Direct Contact-Killing versus Induced Indirect Contact-Killing. <i>Environmental Science & Technology</i> , 2016, 50, 5086-5093.	4.6	86
380	Facile one-pot scalable strategy to engineer biocidal silver nanocluster assembly on thiolated PVDF membranes for water purification. <i>RSC Advances</i> , 2016, 6, 38972-38983.	1.7	30
381	Mechanical and tribological characteristics of carbon nanotube-reinforced polyvinylidene fluoride (PVDF)/epoxy composites. <i>RSC Advances</i> , 2016, 6, 45636-45644.	1.7	23
382	A nanocomposite membrane composed of incorporated nano-alumina within sulfonated PVDF-co-HFP/Nafion blend as separating barrier in a single chambered microbial fuel cell. <i>RSC Advances</i> , 2016, 6, 23571-23580.	1.7	41
383	A method to modify PVDF microfiltration membrane via ATRP with low-temperature plasma pretreatment. <i>Applied Surface Science</i> , 2016, 379, 474-479.	3.1	30
384	Towards new strategies for the synthesis of functional vinylidene fluoride-based copolymers with tunable wettability. <i>Polymer Chemistry</i> , 2016, 7, 4004-4015.	1.9	25
385	Zirconium/polyvinyl alcohol modified flat-sheet polyvinylidene fluoride membrane for decontamination of arsenic: Material design and optimization, study of mechanisms, and application prospects. <i>Chemosphere</i> , 2016, 155, 630-639.	4.2	31

#	ARTICLE	IF	CITATIONS
386	Treatment of lead contaminated water by a PVDF membrane that is modified by zirconium, phosphate and PVA. <i>Water Research</i> , 2016, 101, 564-573.	5.3	107
387	Beads-on-String Structured Nanofibers for Smart and Reversible Oil/Water Separation with Outstanding Antifouling Property. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25612-25620.	4.0	144
388	The effect of metal complex on pervaporation performance of composite membrane for separation of n-butanol/water mixture. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 44, 155-163.	2.9	17
389	Hydrothermal Synthesis of Zeolite. , 2016, , 1005-1006.		0
390	Hydrogel Nanoparticles. , 2016, , 985-987.		0
392	Heterogenization or Immobilization of a Catalyst. , 2016, , 916-918.		0
393	High-Temperature Electrolysis. , 2016, , 937-939.		0
394	High-Pressure Electrolysis. , 2016, , 933-935.		0
395	Heavy Metal Recovery by Chelating Agents and Membranes. , 2016, , 910-911.		0
396	Improved blending strategy for membrane modification by virtue of surface segregation using surface-tailored amphiphilic nanoparticles. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	3.3	20
397	Thiolâ€“Trifluorovinyl Ether (TFVE) Photopolymerization: An On-Demand Synthetic Route to Semifluorinated Polymer Networks. <i>Macromolecules</i> , 2016, 49, 7667-7675.	2.2	7
398	Effects of sodium hypochlorite on structural/surface characteristics, filtration performance and fouling behaviors of PVDF membranes. <i>Journal of Membrane Science</i> , 2016, 519, 22-31.	4.1	53
399	A novel approach toward fabrication of porous molecularly imprinted nanocomposites with bioinspired multilevel internal domains: Application to selective adsorption and separation membrane. <i>Chemical Engineering Journal</i> , 2016, 306, 492-503.	6.6	47
400	Hydrophilic modification of PVDF porous membrane via a simple dip-coating method in plant tannin solution. <i>RSC Advances</i> , 2016, 6, 71287-71294.	1.7	48
401	Photocatalytic antifouling PVDF ultrafiltration membranes based on synergy of graphene oxide and TiO ₂ for water treatment. <i>Journal of Membrane Science</i> , 2016, 520, 281-293.	4.1	331
402	Polymeric biocatalytic membranes with immobilized thermostable phosphotriesterase. <i>Journal of Membrane Science</i> , 2016, 516, 144-151.	4.1	27
403	Highly reusable TiO ₂ nanoparticle photocatalyst by direct immobilization on steel mesh via PVDF coating, electrospraying, and thermal fixation. <i>Chemical Engineering Journal</i> , 2016, 306, 344-351.	6.6	57
404	Poly(vinylidene fluoride-hexafluoropropylene)/bayerite composite membranes for efficient arsenic removal from water. <i>Materials Chemistry and Physics</i> , 2016, 183, 430-438.	2.0	41

#	ARTICLE	IF	CITATIONS
405	H2 Permeation Through Pd-Based Membranes. , 2016, , 901-902.		1
406	Structuring of Thin-Film Polymer Mixtures upon Solvent Evaporation. <i>Macromolecules</i> , 2016, 49, 6858-6870.	2.2	48
407	Enhanced sequestration of large-sized dissolved organic micropollutants in polymeric membranes incorporated with mesoporous carbon. <i>RSC Advances</i> , 2016, 6, 81477-81484.	1.7	5
408	Enhanced dielectric performance of polyvinylidene fluoride composites with an all-carbon hybrid architecture: vertically aligned carbon nanotube arrays on graphite nanoplatelets. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8911-8919.	2.7	27
409	PVDF membranes containing hybrid nanoparticles for adsorbing cationic dyes: physical insights and mechanism. <i>Materials Research Express</i> , 2016, 3, 075303.	0.8	1
410	Highly hydrophilic poly(vinylidene fluoride)/meso-titania hybrid mesoporous membrane for photocatalytic membrane reactor in water. <i>Scientific Reports</i> , 2016, 6, 19148.	1.6	19
411	Superspreading-Based Fabrication of Asymmetric Porous PAA-g-PVDF Membranes for Efficient Water Flow Gating. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600615.	1.9	19
412	Hollow Fiber Module. , 2016, , 957-957.		0
413	Development of a novel high-flux PVDF-based ultrafiltration membrane by embedding Mg-Al nanolayered double hydroxide. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 41, 23-32.	2.9	67
414	Novel hydrophilic PVDF ultrafiltration membranes based on a ZrO ₂ -multiwalled carbon nanotube hybrid for oil/water separation. <i>Journal of Materials Science</i> , 2016, 51, 8965-8976.	1.7	45
415	Experimental investigation of nanofibrous poly(vinylidene fluoride) membranes for desalination through air gap membrane distillation process. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2953-2960.	1.2	36
416	Effect of poly(ethylene oxide) and water on electrospun poly(vinylidene fluoride) nanofibers with enhanced mechanical properties as pre-filter for oil-in-water filtration. <i>Materials Chemistry and Physics</i> , 2016, 182, 208-218.	2.0	19
417	Antifouling performance of poly(lysine methacrylamide)-grafted PVDF microfiltration membrane for solute separation. <i>Separation and Purification Technology</i> , 2016, 171, 1-10.	3.9	56
418	A Versatile Approach Towards the Fast Fabrication of Highly-Permeable Polymer Mesoporous Membranes. <i>ChemistrySelect</i> , 2016, 1, 3049-3053.	0.7	1
419	Polyvinylidene fluoride (PVDF) membrane for oil rejection from oily wastewater: A performance review. <i>Journal of Water Process Engineering</i> , 2016, 14, 41-59.	2.6	106
420	Preparation of organosilicate/PVDF composites with enhanced piezoelectricity and pyroelectricity by stretching. <i>Composites Science and Technology</i> , 2016, 137, 138-147.	3.8	74
421	Polytetrafluoroethylene Wire Mesh Packing in a Rotating Packed Bed: Mass-Transfer Studies. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 11606-11613.	1.8	53
422	A novel PVDF/graphene composite membrane based on electrospun nanofibrous film for oil/water emulsion separation. <i>Composites Communications</i> , 2016, 2, 5-8.	3.3	39

#	ARTICLE	IF	CITATIONS
423	Synergy of graphene oxide-silver nanocomposite and amphiphilic co-polymer F127 on antibacterial properties and permeability of PVDF membrane. RSC Advances, 2016, 6, 100334-100343.	1.7	8
424	Omniphobic Polyvinylidene Fluoride (PVDF) Membrane for Desalination of Shale Gas Produced Water by Membrane Distillation. Environmental Science & Technology, 2016, 50, 12275-12282.	4.6	307
425	Piezoelectric vs. Capacitive Based Force Sensing in Capacitive Touch Panels. IEEE Access, 2016, 4, 3769-3774.	2.6	31
426	Hollow Fiber Membrane. , 2016, , 953-953.		0
427	One-pot synthesis of polydopamine-Zn complex antifouling coatings on membranes for ultrafiltration under harsh conditions. RSC Advances, 2016, 6, 103390-103398.	1.7	26
428	Fabrication of PES-based membranes with a high and stable desalination performance for membrane distillation. RSC Advances, 2016, 6, 107840-107850.	1.7	15
429	Lead titanate/cyclic carbonate dependence on ionic conductivity of ferro/acrylate blend polymer composites. AIP Conference Proceedings, 2016, , .	0.3	2
430	Time of flight-secondary ion mass spectrometry analysis of protein adsorption on a polyvinylidene difluoride surface modified by ion irradiation. Colloids and Surfaces B: Biointerfaces, 2016, 148, 249-254.	2.5	4
431	Preparation and characterization of nanocomposite polymer electrolytes poly(vinylidone) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 422 Td (0.3	3
432	Crystallization behaviors of poly(vinylidene fluoride) and poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 387 Td (methacryla Calorimetry, 2016, 125, 215-230.	2.0	13
433	Preparation of photo-catalytic copolymer grafted asymmetric membranes (N-TiO ₂ -PMAA-g-PVDF/PAN) and their application on the degradation of bentazon in water. Iranian Polymer Journal (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 33	1.0	3
434	Synthesis of nanoporous PVDF membranes by controllable crystallization for selective proton permeation. Journal of Membrane Science, 2016, 517, 111-120.	4.1	20
435	Surface morphology and mechanical response of randomly oriented electrospun nanofibrous membrane. Polymer Testing, 2016, 53, 108-115.	2.3	22
436	In situ analysis of ion-induced polymer surface modification using secondary ion mass spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2016, 377, 83-88.	0.6	4
437	Porous Y x Fe y Zr 1- x - y O ₂ coated TiO ₂ solid superacid particles/PVDF hybrid membranes with anti-fouling property. Chemical Engineering Journal, 2016, 301, 342-352.	6.6	17
438	Impact of membrane pore structure on protein detection sensitivity of affinity-based immunoassay. Polish Journal of Chemical Technology, 2016, 18, 97-103.	0.3	5
439	Influence of palm oil fuel ash, an agro-industry waste on the ultrafiltration performance of cellulose acetate butyrate membrane. Desalination and Water Treatment, 2016, 57, 26414-26426.	1.0	8
440	Electrospun Differential Wetting Membranes for Efficient Oil-Water Separation. Macromolecular Materials and Engineering, 2016, 301, 812-817.	1.7	27

#	ARTICLE	IF	CITATIONS
441	CO ₂ absorption using gas-liquid membrane contactors made of highly porous poly(vinyl chloride) hollow fiber membranes. <i>International Journal of Greenhouse Gas Control</i> , 2016, 52, 13-23.	2.3	32
442	Study for adsorption behaviors of emulsion oil on a novel ZrO ₂ /PVDF modified membrane. <i>Desalination and Water Treatment</i> , 2016, 57, 11736-11745.	1.0	5
443	A facile TiO ₂ /PVDF composite membrane synthesis and their application in water purification. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	21
444	Optimization of PES/ZnO mixed matrix membrane preparation using response surface methodology for humic acid removal. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 997-1007.	1.2	15
445	Surface zwitterionization of poly(vinylidene fluoride) membranes from the entrapped reactive core-shell silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 110-119.	5.0	44
446	Porous Core-shell Fe ₃ C Embedded N-doped Carbon Nanofibers as an Effective Electrocatalysts for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4118-4125.	4.0	256
447	Ordered mesoporous silica/polyvinylidene fluoride composite membranes for effective removal of water contaminants. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3850-3857.	5.2	28
448	<i>Materials Research for Manufacturing. Springer Series in Materials Science</i> , 2016, , .	0.4	5
449	Dow Chemical: Materials Science Contributions to Membrane Production. <i>Springer Series in Materials Science</i> , 2016, , 227-265.	0.4	0
450	Development of a continuous membrane reactor process for enzyme-catalyzed lactulose synthesis. <i>Biochemical Engineering Journal</i> , 2016, 109, 65-80.	1.8	23
451	A.C impedance, XRD, DSC, FTIR studies on PbTiO ₃ dispersoid pristine PVdF-co-HFP and PEMA blended PVdF-co-HFP microcomposite electrolytes. <i>Journal of Non-Crystalline Solids</i> , 2016, 435, 27-32.	1.5	15
452	Novel PVDF hollow fiber ultrafiltration membranes with antibacterial and antifouling properties by embedding N-halamine functionalized multi-walled carbon nanotubes (MWNTs). <i>RSC Advances</i> , 2016, 6, 1710-1721.	1.7	36
453	Functionalization of Flat Sheet and Hollow Fiber Microfiltration Membranes for Water Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 907-918.	3.2	34
454	Air gap membrane distillation for enrichment of H ₂ ¹⁸ O isotopomers in natural water using poly(vinylidene fluoride) nanofibrous membrane. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016, 100, 26-36.	1.8	47
455	Smart composite reverse-osmosis membranes for energy generation and water desalination processes. , 2016, , 329-350.		4
456	An investigation of temperature effects on the properties and CO ₂ absorption performance of porous PVDF/montmorillonite mixed matrix membranes. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 31, 515-524.	2.1	19
457	3D laser scanning confocal microscopy of siloxane-based comb and double-comb polymers in PVDF-HFP thin films. <i>Journal of Coatings Technology Research</i> , 2016, 13, 577-587.	1.2	7
458	Interconnected PVDF-CTFE hydrophobic membranes for MD desalination: effect of PEGs on phase inversion process. <i>RSC Advances</i> , 2016, 6, 20926-20937.	1.7	13

#	ARTICLE	IF	CITATIONS
459	Asymmetric Membrane Containing Ionic Liquid [A336][P507] for the Preconcentration and Separation of Heavy Rare Earth Lutetium. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2644-2650.	3.2	50
460	Rejection of Caffeine and Carbamazepine by Surface-Coated PVDF Hollow-Fiber Membrane System. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 2417-2425.	1.8	14
461	Removal of 2-propanol from water by pervaporation using poly(vinylidene fluoride) membrane filled with carbon black. <i>Applied Surface Science</i> , 2016, 368, 277-287.	3.1	25
462	Alkaline etching treatment of PVDF membrane for water filtration. <i>RSC Advances</i> , 2016, 6, 22153-22160.	1.7	21
463	Synthesis, characterization of a novel lignin-based polymer and its behavior as a coagulant aid in coagulation/ultrafiltration hybrid process. <i>International Biodeterioration and Biodegradation</i> , 2016, 113, 334-341.	1.9	23
464	On the initiation of macrovoids in polymeric membranes – effect of polymer chain entanglement. <i>Journal of Membrane Science</i> , 2016, 505, 70-81.	4.1	77
465	Study of PVDF asymmetric membranes in a high-throughput membrane bioreactor (HT-MBR): Influence of phase inversion parameters and filtration performance. <i>Separation and Purification Technology</i> , 2016, 162, 6-13.	3.9	27
466	Development of PVDF membranes for membrane distillation via vapour induced crystallisation. <i>European Polymer Journal</i> , 2016, 77, 164-173.	2.6	37
467	Fabrication of a novel PS4VP/PVDF dual-layer hollow fiber ultrafiltration membrane. <i>Journal of Membrane Science</i> , 2016, 506, 1-10.	4.1	30
468	A superrobust superhydrophobic PSU composite coating with self-cleaning properties, wear resistance and corrosion resistance. <i>RSC Advances</i> , 2016, 6, 10930-10937.	1.7	19
469	Effects of Nanoporous Anodic Alumina Oxide on the Crystallization and Melting Behavior of Poly(vinylidene fluoride). <i>Journal of Physical Chemistry B</i> , 2016, 120, 843-850.	1.2	19
470	An efficient nanofiltration membrane based on blending of polyethersulfone with modified (styrene/maleic anhydride) copolymer. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 873-880.	1.2	12
471	Preparation of a Novel Poly(vinylidene fluoride) Ultrafiltration Membrane by Incorporation of 3-Aminopropyltriethoxysilane-Grafted Halloysite Nanotubes for Oil/Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 1760-1767.	1.8	58
472	In-plane biaxial ratcheting behavior of PVDF UF membrane. <i>Polymer Testing</i> , 2016, 50, 41-48.	2.3	19
473	High thermal and electrochemical stability of PVDF-graft-PAN copolymer hybrid PEO membrane for safety reinforced lithium-ion battery. <i>RSC Advances</i> , 2016, 6, 18082-18088.	1.7	55
474	Preparation and characterization of a novel PVDF ultrafiltration membrane by blending with TiO ₂ -HNTs nanocomposites. <i>Applied Surface Science</i> , 2016, 371, 624-632.	3.1	81
475	The Effect of highly dispersed oxidized multi-walled carbon nanotubes on the performance of PVDF/PVC ultrafiltration membrane. <i>Desalination and Water Treatment</i> , 2016, 57, 24778-24787.	1.0	11
476	Effect of non-solvent additives on the morphology, pore structure, and direct contact membrane distillation performance of PVDF-CTFE hydrophobic membranes. <i>Journal of Environmental Sciences</i> , 2016, 45, 28-39.	3.2	37

#	ARTICLE	IF	CITATIONS
477	Ageing of polyvinylidene fluoride hollow fiber membranes in sodium hypochlorite solutions. Journal of Membrane Science, 2016, 505, 174-184.	4.1	34
478	Characterization of semi-interpenetrating polymer electrolytes containing poly(vinylidene fluoride) and poly(ethylene oxide). Journal of Membrane Science, 2016, 505, 185-194.	1.3	9
479	Preparation and characteristics of cross-linked cellulose acetate ultrafiltration membranes with high chemical resistance and mechanical strength. Reactive and Functional Polymers, 2016, 99, 114-121.	2.0	32
480	Amorphous SiO ₂ NP-Incorporated Poly(vinylidene fluoride) Electrospun Nanofiber Membrane for High Flux Forward Osmosis Desalination. ACS Applied Materials & Interfaces, 2016, 8, 4561-4574.	4.0	131
481	In situ SAXS/WAXS investigation of the structural evolution of poly(vinylidene fluoride) upon uniaxial stretching. Polymer, 2016, 84, 148-157.	1.8	39
482	Co-deposition of tannic acid and diethylenetriamine for surface hydrophilization of hydrophobic polymer membranes. Applied Surface Science, 2016, 360, 291-297.	3.1	74
483	Nanomembrane Materials Based on Polymer Blends. , 2016, , 101-123.		10
484	Preparation, characterization and properties of PVDF-g-PAMPS/PMMA-co-PAMPS/silica nanoparticle as a new proton exchange nanocomposite membrane. Chemical Engineering Journal, 2016, 284, 1035-1048.	6.6	48
485	In situ immobilization of silver nanoparticles for improving permeability, antifouling and anti-bacterial properties of ultrafiltration membrane. Journal of Membrane Science, 2016, 499, 269-281.	4.1	201
486	Effect of the presence of partially sulfonated polyaniline on the proton and methanol transport behavior of partially sulfonated PVdF membrane. Polymer Journal, 2016, 48, 301-309.	1.3	37
487	Fouling behaviour of membranes with different characteristics by urban wastewater secondary effluent. Environmental Technology (United Kingdom), 2016, 37, 805-814.	1.2	2
488	Membrane materials for water purification: design, development, and application. Environmental Science: Water Research and Technology, 2016, 2, 17-42.	1.2	494
489	Enhanced separation performance of PVDF/PAN blend membrane based on PVP tuning. Desalination and Water Treatment, 2016, 57, 12090-12098.	1.0	8
490	Influences of the structure parameters of multi-walled carbon nanotubes(MWNTs) on PVDF/PFSA/O-MWNTs hollow fiber ultrafiltration membranes. Journal of Membrane Science, 2016, 499, 179-190.	4.1	35
491	Fabrication of hydrophobic flat sheet and hollow fiber membranes from PVDF and PVDF-CTFE for membrane distillation. Journal of Membrane Science, 2016, 497, 183-193.	4.1	69
492	Effect of hydrophilic Cu ₃ (BTC) ₂ additives on the performance of PVDF membranes for water flux improvement. Desalination and Water Treatment, 2016, 57, 17637-17645.	1.0	19
493	Surface modification of PVDF membranes by sputtered TiO ₂ : fouling reduction potential in membrane bioreactors. Desalination and Water Treatment, 2016, 57, 3328-3338.	1.0	15
494	Membrane crystallization for salts recovery from brine: an experimental and theoretical analysis. Desalination and Water Treatment, 2016, 57, 7593-7603.	1.0	69

#	ARTICLE	IF	CITATIONS
495	Mechanical, dielectric, and rheological properties of poly(arylene ether nitrile) reinforced poly(vinylidene fluoride). High Performance Polymers, 2017, 29, 178-186.	0.8	10
496	A novel antifouling and antibacterial surface-functionalized PVDF ultrafiltration membrane via binding Ag/SiO ₂ nanocomposites. Journal of Chemical Technology and Biotechnology, 2017, 92, 562-572.	1.6	65
497	Amphiphilic poly(ether sulfone) membranes for oil/water separation: Effect of sequence structure of the modifier. AIChE Journal, 2017, 63, 739-750.	1.8	50
498	Simple method for preparing thin film composite polyamide nanofiltration membrane based on hydrophobic polyvinylidene fluoride support membrane. Thin Solid Films, 2017, 624, 136-143.	0.8	20
499	Meldrum's Acid Modified Cellulose Nanofiber-Based Polyvinylidene Fluoride Microfiltration Membrane for Dye Water Treatment and Nanoparticle Removal. ACS Sustainable Chemistry and Engineering, 2017, 5, 2026-2033.	3.2	177
500	Poly(vinylidene fluoride) hollow fiber membranes containing silver/graphene oxide dope with excellent filtration performance. Journal of Applied Polymer Science, 2017, 134, .	1.3	21
501	Fluorinated Poly(ionic liquid) Diblock Copolymers Obtained by Cobalt-Mediated Radical Polymerization-Induced Self-Assembly. ACS Macro Letters, 2017, 6, 121-126.	2.3	54
502	Polydopamine/Cysteine surface modified isoporous membranes with self-cleaning properties. Journal of Membrane Science, 2017, 529, 185-194.	4.1	60
503	Large magnetoelectric effect in organic ferroelectric copolymer-based multiferroic tunnel junctions. Applied Physics Letters, 2017, 110, .	1.5	20
504	Improving the charged and antifouling properties of PVDF ultrafiltration membranes by blending with polymerized ionic liquid copolymer P(MMA- <i>b</i> - <i>i</i> -MEBImBr). Journal of Applied Polymer Science, 2017, 134, .	1.3	10
505	Application of Mg(OH) ₂ nanoplatelets as pore former to prepare PVDF ultrafiltration membranes. Journal of Environmental Chemical Engineering, 2017, 5, 877-883.	3.3	8
506	Polypyrrole blending modification for PVDF conductive membrane preparing and fouling mitigation. Journal of Colloid and Interface Science, 2017, 494, 124-129.	5.0	53
507	One Pot Synthesis of PVDF Based Copolymer Proton Conducting Membrane by Free Radical Polymerization for Electro-Chemical Energy Applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 520, 239-245.	2.3	22
508	A more sustainable membrane preparation using triethyl phosphate as solvent. Green Processing and Synthesis, 2017, 6, 295-300.	1.3	32
509	Synthesis and properties of polyvinylidene fluoride high-temperature treatment products. Physics of the Solid State, 2017, 59, 408-412.	0.2	3
510	Oxidant-Induced High-Efficient Mussel-Inspired Modification on PVDF Membrane with Superhydrophilicity and Underwater Superoleophobicity Characteristics for Oil/Water Separation. ACS Applied Materials & Interfaces, 2017, 9, 8297-8307.	4.0	139
512	Improved ultrafiltration performance and chlorine resistance of PVDF hollow fiber membranes via doping with sulfonated graphene oxide. Chemical Engineering Journal, 2017, 317, 901-912.	6.6	56
513	CF ₄ plasma-modified omniphobic electrospun nanofiber membrane for produced water brine treatment by membrane distillation. Journal of Membrane Science, 2017, 529, 234-242.	4.1	170

#	ARTICLE	IF	CITATIONS
514	Tight ultrafiltration membrane: Preparation and characterization of thermally resistant carboxylated cardo poly (arylene ether ketone)s (PAEK-COOH) tight ultrafiltration membrane for dye removal. Journal of Membrane Science, 2017, 530, 1-10.	4.1	112
515	Facile and Reliable in Situ Polymerization of Poly(Ethyl Cyanoacrylate)-Based Polymer Electrolytes toward Flexible Lithium Batteries. ACS Applied Materials & Interfaces, 2017, 9, 8737-8741.	4.0	122
516	Poly(vinylidene difluoride)/poly(tetrafluoroethylene- co -vinylpyrrolidone) blend membranes with antifouling properties. Materials Science and Engineering C, 2017, 75, 79-87.	3.8	10
517	Superhydrophilic In-Situ-Cross-Linked Zwitterionic Polyelectrolyte/PVDF-Blend Membrane for Highly Efficient Oil/Water Emulsion Separation. ACS Applied Materials & Interfaces, 2017, 9, 9603-9613.	4.0	238
518	Hyperbranched polymer composite membrane using water as solvent for separating aromatic/aliphatic hydrocarbon mixtures. Separation and Purification Technology, 2017, 179, 225-235.	3.9	9
519	Improved PVDF membrane performance by doping extracellular polymeric substances of activated sludge. Water Research, 2017, 113, 89-96.	5.3	18
520	Surface Characterization and Optical Study on Electrospun Nanofibers of PVDF/PAN Blends. Fiber and Integrated Optics, 2017, 36, 78-90.	1.7	9
521	Preparation and characterization of novel PVDF nanofiltration membranes with hydrophilic property for filtration of dye aqueous solution. Applied Surface Science, 2017, 413, 41-49.	3.1	116
522	Preparation and characterization of novel polysulphone hybrid ultrafiltration membranes blended with N-doped GO/TiO ₂ nanocomposites. Polymer, 2017, 117, 198-207.	1.8	33
523	Preparation and characterization of polyethersulfone/N-phthaloyl-chitosan ultrafiltration membrane with antifouling property. European Polymer Journal, 2017, 92, 61-70.	2.6	63
524	Improved performance of thin-film composite membrane with PVDF/PFSA substrate for forward osmosis process. Journal of Membrane Science, 2017, 535, 188-199.	4.1	89
525	Membranes based on polymer miscibility for selective transport and separation of metallic ions. Journal of Hazardous Materials, 2017, 336, 188-194.	6.5	36
526	Localization of antifouling surface additives in the pore structure of hollow fiber PVDF membranes. Journal of Membrane Science, 2017, 538, 77-85.	4.1	24
527	Electrospun Bead-String Hierarchical Fibers for Fog Harvesting Application. Macromolecular Materials and Engineering, 2017, 302, 1700124.	1.7	48
528	A non-invasive optical method for mapping temperature polarization in direct contact membrane distillation. Journal of Membrane Science, 2017, 536, 156-166.	4.1	42
529	Nanofiber Composite Membrane with Intrinsic Janus Surface for Reversed-Protein-Fouling Ultrafiltration. ACS Applied Materials & Interfaces, 2017, 9, 18328-18337.	4.0	41
530	Tethering of hyperbranched polyols using PEI as a building block to synthesize antifouling PVDF membranes. Applied Surface Science, 2017, 419, 546-556.	3.1	25
531	Understanding the impact of membrane properties and transport phenomena on the energetic performance of membrane distillation desalination. Journal of Membrane Science, 2017, 539, 458-474.	4.1	100

#	ARTICLE	IF	CITATIONS
532	Relationship between polymers compatibility and casting solution stability in fabricating PVDF/PVA membranes. <i>Journal of Membrane Science</i> , 2017, 537, 263-271.	4.1	34
533	Effect of solvent type on the physicochemical properties and performance of NLDH/PVDF nanocomposite ultrafiltration membranes. <i>Separation and Purification Technology</i> , 2017, 184, 97-118.	3.9	44
534	Design of anion species/strength responsive membranes via in-situ cross-linked copolymerization of ionic liquids. <i>Journal of Membrane Science</i> , 2017, 535, 158-167.	4.1	29
535	Design of high efficiency PVDF-PEG hollow fibers for air filtration of ultrafine particles. <i>Journal of Membrane Science</i> , 2017, 535, 342-349.	4.1	70
536	Application of dopamine-modified halloysite nanotubes/PVDF blend membranes for direct dyes removal from wastewater. <i>Chemical Engineering Journal</i> , 2017, 323, 572-583.	6.6	181
537	Chiral resolution by polysulfone-based membranes prepared via mussel-inspired chemistry. <i>Reactive and Functional Polymers</i> , 2017, 115, 87-94.	2.0	30
538	Hyperbranched poly(ether amine)@poly(vinylidene fluoride) (hPEA@PVDF) porous membranes for selective adsorption and molecular filtration of hydrophilic dyes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10470-10479.	5.2	22
539	Fabrication of hierarchical poly(vinylidene fluoride) micro/nano-composite membrane with anti-fouling property for membrane distillation. <i>Journal of Membrane Science</i> , 2017, 535, 258-267.	4.1	59
540	Construction of Hierarchical Fouling Resistance Surfaces onto Poly(vinylidene fluoride) Membranes for Combating Membrane Biofouling. <i>Langmuir</i> , 2017, 33, 4477-4489.	1.6	32
541	Preparation of superhydrophobic nanocomposite fiber membranes by electrospinning poly(vinylidene fluoride)/PVDF. <i>Journal of Membrane Science</i> , 2017, 535, 134-142.	1.3	37
542	Solvent driven polymorphism in Langmuir and Langmuir Schaefer film of poly(vinylidene fluoride). <i>European Polymer Journal</i> , 2017, 86, 132-142.	2.6	9
543	Blend-electrospun poly(vinylidene fluoride)/polydopamine membranes: self-polymerization of dopamine and the excellent adsorption/separation abilities. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14430-14443.	5.2	115
544	Preparation of porous hydrophobic poly(vinylidene fluoride-co-hexafluoropropylene) hollow fiber membrane contactors for CO ₂ stripping. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 76, 156-166.	2.7	26
545	Fabrication of PVDF-based blend membrane with a thin hydrophilic deposition layer and a network structure supporting layer via the thermally induced phase separation followed by non-solvent induced phase separation process. <i>Applied Surface Science</i> , 2017, 419, 429-438.	3.1	52
546	Effects of processing conditions and crystallization on dynamic relaxations in semicrystalline poly(vinylidene fluoride) films. <i>Macromolecular Research</i> , 2017, 25, 391-399.	1.0	9
547	Modeling and Optimization of NLDH/PVDF Ultrafiltration Nanocomposite Membrane Using Artificial Neural Network-Genetic Algorithm Hybrid. <i>ACS Combinatorial Science</i> , 2017, 19, 464-477.	3.8	29
548	An open-framework manganese phosphite and its composite membranes with poly(vinylidene fluoride) exhibiting intrinsic water-assisted proton conductance. <i>Dalton Transactions</i> , 2017, 46, 7904-7910.	1.6	24
549	Fabrication of PVA coated PES/PVDF nanocomposite membranes embedded with in situ formed magnetite nanoparticles for removal of metal ions from aqueous solutions. <i>New Journal of Chemistry</i> , 2017, 41, 6405-6414.	1.4	21

#	ARTICLE	IF	CITATIONS
550	Intrinsically superhydrophobic PVDF membrane by phase inversion for membrane distillation. <i>Desalination</i> , 2017, 417, 77-86.	4.0	142
551	Highly antifouling and antibacterial performance of poly (vinylidene fluoride) ultrafiltration membranes blending with copper oxide and graphene oxide nanofillers for effective wastewater treatment. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 341-351.	5.0	84
552	PVDF/PVDF-g-PACMO blend hollow fiber membranes for hemodialysis: preparation, characterization, and performance. <i>RSC Advances</i> , 2017, 7, 26593-26600.	1.7	21
553	Membrane biofouling control using polyvinylidene fluoride membrane blended with quaternary ammonium compound assembled on carbon material. <i>Journal of Membrane Science</i> , 2017, 539, 229-237.	4.1	36
554	Understanding oily wastewater treatment via membrane distillation. <i>Journal of Membrane Science</i> , 2017, 539, 284-294.	4.1	84
555	Dopamine-induced nonionic polymer coatings for significantly enhancing separation and antifouling properties of polymer membranes: Codeposition versus sequential deposition. <i>Journal of Membrane Science</i> , 2017, 539, 421-431.	4.1	57
556	Carbon capture by absorption – Path covered and ahead. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 76, 1080-1107.	8.2	193
557	Fabrication and characterization of an ion-imprinted membrane via blending poly(methyl methacrylate-) Tj ETQq1 1 0.784314 rgBT /Ove Reactive and Functional Polymers, 2017, 115, 1-9.	2.0	32
558	Effect of solvent on the dipole rotation of poly(vinylidene fluoride) during porous membrane formation by precipitation in alcohol baths. <i>Polymer</i> , 2017, 115, 164-175.	1.8	26
559	Synthesis of sulfonyl fluorinated macro emulsifier for low surface energy emulsion polymerization application. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	4
560	Tight ultrafiltration membranes of mesoporous phenolic resin filled in macroporous substrates. <i>Journal of Membrane Science</i> , 2017, 533, 96-102.	4.1	14
561	Proton Conductance of a Superior Water-Stable Metal-Organic Framework and Its Composite Membrane with Poly(vinylidene fluoride). <i>Inorganic Chemistry</i> , 2017, 56, 4169-4175.	1.9	78
562	Novel hydrophobic PVDF/APTES-GO nanocomposite for natural gas pipelines coating. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 42, 190-202.	2.1	31
563	PDLA/PLLA ultrafiltration membrane with excellent permeability, rejection and fouling resistance via stereocomplexation. <i>Journal of Membrane Science</i> , 2017, 533, 103-111.	4.1	27
564	A critical analysis of the $\hat{1}$, $\hat{1}^2$ and $\hat{1}^3$ phases in poly(vinylidene fluoride) using FTIR. <i>RSC Advances</i> , 2017, 7, 15382-15389.	1.7	918
565	Poly(vinylidene fluoride)/submicron graphite platelet composite: A smart, lightweight flexible material with significantly enhanced $\hat{1}^2$ polymorphism, dielectric and microwave shielding properties. <i>European Polymer Journal</i> , 2017, 90, 442-455.	2.6	44
566	3D-printed poly(vinylidene fluoride)/carbon nanotube composites as a tunable, low-cost chemical vapour sensing platform. <i>Nanoscale</i> , 2017, 9, 5458-5466.	2.8	81
567	Feasibility of w/o Pickering emulsion ultrafiltration. <i>Journal of Membrane Science</i> , 2017, 535, 1-9.	4.1	26

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568	A novel Cd ²⁺ -imprinted chitosan-based composite membrane for Cd ²⁺ removal from aqueous solution. <i>Materials Letters</i> , 2017, 198, 121-123.	1.3	32
569	Zwitterion-containing polymer additives for fouling resistant ultrafiltration membranes. <i>Journal of Membrane Science</i> , 2017, 533, 141-159.	4.1	103
570	Structuring and characterization of a novel microporous PVDF membrane with semi-interpenetrating polymer networks for vacuum membrane distillation. <i>Polymer Engineering and Science</i> , 2017, 57, 1311-1321.	1.5	10
571	Preparation of poly(vinylidene fluoride) (PVDF)/acetylated poly(vinyl alcohol) ultrafiltration membrane with the enhanced hydrophilicity and the anti-fouling property. <i>Chemical Engineering Research and Design</i> , 2017, 121, 348-359.	2.7	32
572	3D Printable Ceramic/Polymer Electrolytes for Flexible High-Performance Li-Ion Batteries with Enhanced Thermal Stability. <i>Advanced Energy Materials</i> , 2017, 7, 1602920.	10.2	161
573	High-Performance Polymers for Separation and Purification Processes: An Overview. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 2019-2042.	1.9	12
574	Anti-fouling membranes by manipulating surface wettability and their anti-fouling mechanism. <i>Desalination</i> , 2017, 413, 127-135.	4.0	108
575	Progress and perspectives for synthesis of sustainable antifouling composite membranes containing in situ generated nanoparticles. <i>Journal of Membrane Science</i> , 2017, 524, 502-528.	4.1	156
576	Superhydrophilic (superwetting) surfaces: A review on fabrication and application. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 47, 19-40.	2.9	222
577	Construction of antifouling lumen surface on a poly(vinylidene fluoride) hollow fiber membrane via a zwitterionic graft copolymerization strategy. <i>Separation and Purification Technology</i> , 2017, 176, 294-305.	3.9	58
578	Fabrication of novel porous membrane from biobased water-soluble polymer (hydroxypropylcellulose). <i>Journal of Membrane Science</i> , 2017, 526, 212-220.	4.1	35
579	Thermo-responsive PVDF/PSMA composite membranes with micro/nanoscale hierarchical structures for oil/water emulsion separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 516, 305-316.	2.3	39
580	Controlling disinfection by-products and organic fouling by integrated ferrihydrite microfiltration process for surface water treatment. <i>Separation and Purification Technology</i> , 2017, 176, 184-192.	3.9	17
581	Design of poly(vinylidene fluoride)-g-p(hydroxyethyl methacrylate-co-N-isopropylacrylamide) membrane via surface modification for enhanced fouling resistance and release property. <i>Applied Surface Science</i> , 2017, 398, 103-115.	3.1	22
582	Nanodiamonds/poly(vinylidene fluoride) composites for tissue engineering applications. <i>Composites Part B: Engineering</i> , 2017, 111, 37-44.	5.9	52
583	Activation of PVDF membranes through facile hydroxylation of the polymeric dope. <i>Journal of Materials Research</i> , 2017, 32, 4219-4231.	1.2	11
584	Functional groups docking on PVDF membranes: Novel Piranha approach. <i>European Polymer Journal</i> , 2017, 96, 414-428.	2.6	26
585	Molecular dynamics simulation of membrane in room temperature ionic liquids. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	2

#	ARTICLE	IF	CITATIONS
586	Preparation and Electrochemical Performance of PVDF Ultrafine Porous Fiber Separator-Cum-Electrolyte for Supercapacitor. <i>Journal of the Electrochemical Society</i> , 2017, 164, E379-E384.	1.3	32
587	Tailored PVDF nanocomposite membranes using exfoliated MoS ₂ nanosheets for improved permeation and antifouling performance. <i>New Journal of Chemistry</i> , 2017, 41, 14315-14324.	1.4	44
588	Novel Halloysite Nanotubes Intercalated Graphene Oxide Based Composite Membranes for Multifunctional Applications: Oil/Water Separation and Dyes Removal. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 10472-10481.	1.8	59
589	Structure, morphology and wettability studies on Langmuir-Schaefer multilayer of poly(vinylidene fluoride)/graphene oxide. <i>Journal of Membrane Science</i> , 2017, 541, 1074-1081.	2.6	11
590	Antibacterial and Antibiofouling Polymeric Membranes through Immobilization of Pyridine Derivative Leading to ROS Generation and Loss in Bacterial Membrane Integrity. <i>ChemistrySelect</i> , 2017, 2, 7965-7974.	0.7	21
591	TiO ₂ -FTCS modified superhydrophobic PVDF electrospun nanofibrous membrane for desalination by direct contact membrane distillation. <i>Desalination</i> , 2017, 423, 1-11.	4.0	80
592	Anion-Responsive Poly(ionic liquid)s Gating Membranes with Tunable Hydrodynamic Permeability. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32237-32247.	4.0	25
593	Table Salt as a Template to Prepare Reusable Porous PVDF/MWCNT Foam for Separation of Immiscible Oils/Organic Solvents and Corrosive Aqueous Solutions. <i>Advanced Functional Materials</i> , 2017, 27, 1702926.	7.8	160
594	Preparation of positively charged PVDF membranes with improved antibacterial activity by blending modification: Effect of change in membrane surface material properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 533, 133-139.	2.3	46
595	PVDF blended PVDF-g-PMAA pH-responsive membrane: Effect of additives and solvents on membrane properties and performance. <i>Journal of Membrane Science</i> , 2017, 541, 558-566.	4.1	38
596	Tunable separation via chemical functionalization of polyvinylidene fluoride membranes using piranha reagent. <i>Journal of Membrane Science</i> , 2017, 541, 567-579.	4.1	26
597	Ferroelectric Fractional-Order Capacitors. <i>ChemElectroChem</i> , 2017, 4, 2807-2813.	1.7	31
599	Application of Ozone-Assisted Membrane Cleaning for Natural Organic Matter Fouled Membranes. <i>Ozone: Science and Engineering</i> , 2017, 39, 310-318.	1.4	4
600	Super-hydrophilic and fouling resistant PVDF ultrafiltration membranes based on a facile prefabricated surface. <i>Journal of Membrane Science</i> , 2017, 541, 529-540.	4.1	52
601	Fabrication of Ag nanowire/polymer composite nanocables via direct electrospinning. <i>Materials Research Express</i> , 2017, 4, 075043.	0.8	8
602	Biofouling formation and structure on original and modified PVDF membranes: role of microbial species and membrane properties. <i>RSC Advances</i> , 2017, 7, 37990-38000.	1.7	15
603	Solvent quality influences surface structure of glassy polymer thin films after evaporation. <i>Journal of Chemical Physics</i> , 2017, 147, 184901.	1.2	11
604	Molecularly imprinted nanocomposite membranes based on GO/PVDF blended membranes with an organic-inorganic structure for selective separation of norfloxacin. <i>New Journal of Chemistry</i> , 2017, 41, 14966-14976.	1.4	14

#	ARTICLE	IF	CITATIONS
605	Assessment of nylon 6, 6 nanofibre membrane for microalgae harvesting. AIP Conference Proceedings, 2017, , .	0.3	15
606	Effects of dope sonication and hydrophilic polymer addition on the properties of low pressure PVDF mixed matrix membranes. Journal of Membrane Science, 2017, 540, 200-211.	4.1	23
607	Synergistic extraction of gold(I) from aurocyanide solution with the mixture of primary amine N1923 and bis(2-ethylhexyl) sulfoxide in supported liquid membrane. Journal of Membrane Science, 2017, 540, 174-182.	4.1	32
608	Influence of cellulose/[Bmim]Cl solution on the properties of fabricated NIPS PVDF membranes. Journal of Materials Science, 2017, 52, 9946-9957.	1.7	26
609	Tuning the properties of PVDF or PVDF-HFP fibrous materials decorated with ZnO nanoparticles by applying electrospinning alone or in conjunction with electrospinning. Fibers and Polymers, 2017, 18, 649-657.	1.1	20
610	Crystallization behavior, tensile behavior and hydrophilicity of poly(vinylidene fluoride)/polyethylene glycol blends. Polymer Science - Series A, 2017, 59, 685-694.	0.4	0
611	On the effect of fumed silica particles on the structure, properties and application of PVDF membranes. Separation and Purification Technology, 2017, 187, 365-373.	3.9	52
612	Bioinspired synthesis of high-performance nanocomposite imprinted membrane by a polydopamine-assisted metal-organic method. Journal of Hazardous Materials, 2017, 323, 663-673.	6.5	75
613	Hierarchical Structured Electrospun Nanofibers for Improved Fog Harvesting Applications. Macromolecular Materials and Engineering, 2017, 302, 1600387.	1.7	39
614	Rapidly self-assembled polydopamine coating membranes with polyhexamethylene guanidine: Formation, characterization and antifouling evaluation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 512, 41-50.	2.3	24
615	Flexible and Stretchable Energy Storage: Recent Advances and Future Perspectives. Advanced Materials, 2017, 29, 1603436.	11.1	872
616	Self-cleaning and antifouling properties of plasma-grafted poly(vinylidene fluoride) membrane coated with ZnO for water treatment. Journal of the Taiwan Institute of Chemical Engineers, 2017, 70, 15-22.	2.7	59
617	Dual functionalized poly(vinylidene fluoride) membrane with acryloylmorpholine and argatroban to improve antifouling and hemocompatibility. Journal of Biomedical Materials Research - Part A, 2017, 105, 178-188.	2.1	22
618	Oberflächenmodifizierung von Wasseraufbereitungsmembranen. Angewandte Chemie, 2017, 129, 4734-4788.	1.6	58
619	Surface Modification of Water Purification Membranes. Angewandte Chemie - International Edition, 2017, 56, 4662-4711.	7.2	564
620	PVDF/PAN Blend Membrane: Preparation, Characterization and Fouling Analysis. Journal of Polymers and the Environment, 2017, 25, 1348-1358.	2.4	21
621	An enhanced poly(vinylidene fluoride) matrix separator with high density polyethylene for good performance lithium ion batteries. Journal of Solid State Electrochemistry, 2017, 21, 919-925.	1.2	19
622	Fabrication and characterization of amphiphilic PVDF copolymer ultrafiltration membrane with high anti-fouling property. Journal of Membrane Science, 2017, 521, 95-103.	4.1	91

#	ARTICLE	IF	CITATIONS
623	Improvement of antifouling performance of poly(L-lactic acid) membranes through incorporating polyaniline nanoparticles. Journal of Applied Polymer Science, 2017, 134, .	1.3	6
624	Effect of Experimental Parameters on Nanofiber Diameter from Electrospinning with Wire Electrodes. IOP Conference Series: Materials Science and Engineering, 2017, 230, 012043.	0.3	34
625	Recent advances in hydrophilic modification of PVDF ultrafiltration membranes – a review: part I. Membrane Technology, 2017, 2017, 7-12.	0.5	26
626	Recent advances in hydrophilic modification of PVDF ultrafiltration membranes – a review: part II. Membrane Technology, 2017, 2017, 5-11.	0.5	13
627	1.7 PVDF Hollow Fibers Membranes. , 2017, , 137-189.		10
628	Investigation of Antibacterial and Fouling Resistance of Silver and Multi-Walled Carbon Nanotubes Doped Poly(Vinylidene Fluoride-co-Hexafluoropropylene) Composite Membrane. Membranes, 2017, 7, 35.	1.4	16
629	Electro-Conductive Membranes for Permeation Enhancement and Fouling Mitigation: A Short Review. Membranes, 2017, 7, 39.	1.4	79
630	Nanoparticle Incorporation into Desalination and Water Treatment Membranes – Potential Advantages and Challenges. , 2017, , 261-303.		1
631	Coagulation Bath in The Production of Membranes of Nanocomposites Polyamide 6/Clay. Materials Research, 2017, 20, 117-125.	0.6	7
632	4.9 Membrane Technology in the Refinery and Petrochemical Field: Research Trends and Recent Progresses. , 2017, , 164-188.		1
633	3.10 Membrane Distillation and Osmotic Distillation. , 2017, , 282-296.		5
634	1.4 Basic Aspects in Polymeric Membrane Preparation. , 2017, , 65-84.		5
635	Characterization and Antibiofouling Performance Investigation of Hydrophobic Silver Nanocomposite Membranes: A Comparative Study. Membranes, 2017, 7, 64.	1.4	24
636	An iron (II) phthalocyanine/poly(vinylidene fluoride) composite membrane with antifouling property and catalytic self-cleaning function for high-efficiency oil/water separation. Journal of Membrane Science, 2018, 552, 295-304.	4.1	74
637	Preparation of novel poly(vinylidene fluoride)/TiO ₂ photocatalysis membranes for use in direct contact membrane distillation. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	10
638	A superior composite gel polymer electrolyte of Li ₇ La ₃ Zr ₂ O ₁₂ - poly(vinylidene fluoride) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 147 Td Materials Research Bulletin, 2018, 102, 412-417.	2.7	81
639	Evaluation of rheological and thermal properties of polyvinylidene fluoride (PVDF)/graphene nanoplatelets (GNP) composites. Polymer Testing, 2018, 67, 122-135.	2.3	34
640	Enhancing membrane performance in removal of hazardous VOCs from water by modified fluorinated PVDF porous material. Journal of Membrane Science, 2018, 556, 214-226.	4.1	26

#	ARTICLE	IF	CITATIONS
641	Chinese Knot Inspired Ag Nanowire Membrane for Robust Separation in Water Remediation. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800183.	1.9	14
642	Sulfobetaine methacrylate hydrogel-coated anti-fouling surfaces for implantable biomedical devices. <i>Biomaterials Research</i> , 2018, 22, 3.	3.2	36
643	Preparation of Superhydrophobic PVDF/P(HEMA-MMA-SMA)/SiO ₂ Composite Membranes by Electrospinning. , 2018, , 689-697.		0
644	Effect of Processing Parameters on the Morphology of PVDF Electrospun Nanofiber. <i>Journal of Physics: Conference Series</i> , 2018, 987, 012011.	0.3	10
645	Spinodal nanostructures in polymer blends: On the validity of the Cahn-Hilliard length scale prediction. <i>Progress in Polymer Science</i> , 2018, 81, 1-21.	11.8	30
646	Controlling the Morphology of PVDF Hollow Fiber Membranes by Promotion of Liquid-Liquid Phase Separation. <i>Advanced Engineering Materials</i> , 2018, 20, 1701169.	1.6	6
647	Development of a polyvinylidene difluoride membrane for nanofiltration. <i>Journal of Membrane Science</i> , 2018, 557, 24-29.	4.1	45
648	Enhancing water permeability and fouling resistance of polyvinylidene fluoride membranes with carboxylated nanodiamonds. <i>Journal of Membrane Science</i> , 2018, 556, 154-163.	4.1	96
649	Porous PVDF/PANI ion-exchange membrane (IEM) modified by polyvinylpyrrolidone (PVP) and lithium chloride in the application of membrane capacitive deionisation (MCDI). <i>Water Science and Technology</i> , 2018, 77, 2311-2319.	1.2	6
650	Poly(vinylidene fluoride)-Based Membranes for Microalgae Filtration. <i>Chemical Engineering and Technology</i> , 2018, 41, 1305-1312.	0.9	15
651	Poly(methyl methacrylate) reinforced poly(vinylidene fluoride) composites electrospun nanofibrous polymer electrolytes as potential separator for lithium ion batteries. <i>Materials for Renewable and Sustainable Energy</i> , 2018, 7, 1.	1.5	29
652	Corrosion behavior of AISI 316 stainless steel coated with modified fluoropolymer in marine condition. <i>Journal of Coatings Technology Research</i> , 2018, 15, 945-955.	1.2	14
653	Fabrication of anti-fouling, anti-bacterial and non-clotting PVDF membranes through one step outside-in interface segregation strategy. <i>Journal of Colloid and Interface Science</i> , 2018, 517, 93-103.	5.0	22
654	A review of polymeric membranes and processes for potable water reuse. <i>Progress in Polymer Science</i> , 2018, 81, 209-237.	11.8	483
655	Electrospun Antimicrobial PVDF-DTAB Nanofibrous Membrane for Air Filtration: Effect of DTAB on Structure, Morphology, Adhesion, and Antibacterial Properties. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700415.	1.7	21
656	Adsorption of Bovine Serum Albumin on Poly(vinylidene fluoride) Surfaces in the Presence of Ions: A Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1919-1928.	1.2	27
657	Unusual photoresponses in the upper critical solution temperature of polymer solutions mediated by changes in intermolecular interactions in an azo-doped liquid crystalline solvent. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5850-5855.	1.3	1
658	One-step transformation of highly hydrophobic membranes into superhydrophilic and underwater superoleophobic ones for high-efficiency separation of oil-in-water emulsions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3391-3396.	5.2	257

#	ARTICLE	IF	CITATIONS
659	Investigation of the effect of coagulation bath composition on PVDF/CA membrane by evaluating critical flux and antifouling properties in lab-scale submerged MBR. <i>Water and Environment Journal</i> , 2018, 32, 366-376.	1.0	13
660	Preparation of PVDF/PTFE hollow fiber membranes for direct contact membrane distillation via thermally induced phase separation method. <i>Desalination</i> , 2018, 430, 86-97.	4.0	68
661	Low-fouling PES membranes fabricated via in situ copolymerization mediated surface zwitterionization. <i>New Journal of Chemistry</i> , 2018, 42, 2248-2259.	1.4	13
662	A comprehensive study on the performance and antifouling enhancement of the PVDF mixed matrix membranes by embedding different nanoparticulates: Clay, functionalized carbon nanotube, SiO ₂ and TiO ₂ . <i>Separation and Purification Technology</i> , 2018, 197, 372-381.	3.9	130
663	High performance of fluoro polymer modified by hexa-titanium boride nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4749-4769.	1.1	11
664	Gel polymer electrolytes for lithium ion batteries: Fabrication, characterization and performance. <i>Solid State Ionics</i> , 2018, 318, 2-18.	1.3	169
665	Post-functionalization of carboxylic polyethersulfone composite membranes. <i>Composites Science and Technology</i> , 2018, 156, 48-60.	3.8	14
666	Poly(vinylidene fluoride)-polyacrylonitrile blend flat sheet membranes reinforced with carbon nanotubes for wastewater treatment. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46155.	1.3	12
667	High-strength N-methyl-2-pyrrolidone-containing process wastewater treatment using sequencing batch reactor and membrane bioreactor: A feasibility study. <i>Chemosphere</i> , 2018, 194, 534-542.	4.2	13
668	Synthesis, characterization and performance of polystyrene/PMMA blend membranes for potential water treatment. <i>Desalination</i> , 2018, 431, 35-46.	4.0	21
669	Dopamine: Just the Right Medicine for Membranes. <i>Advanced Functional Materials</i> , 2018, 28, 1705327.	7.8	222
670	Preparation of PVDF-CTFE hydrophobic membrane by non-solvent induced phase inversion: Relation between polymorphism and phase inversion. <i>Journal of Membrane Science</i> , 2018, 550, 480-491.	4.1	43
671	Effect of Li ₄ Ti ₅ O ₁₂ Nanoparticles on Structural, Optical and Thermal Properties of PVDF/PEO Blend. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1037-1048.	1.9	41
672	Immobilization of poly(N-acryloyl morpholine) via hydrogen-bonded interactions for improved separation and antifouling properties of poly(vinylidene fluoride) membranes. <i>Reactive and Functional Polymers</i> , 2018, 123, 80-90.	2.0	18
673	Novel application of graphene oxide to improve hydrophilicity and mechanical strength of aramid nanofiber hybrid membrane. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 110, 126-132.	3.8	52
674	Tailoring nonsolvent-thermally induced phase separation (N-TIPS) effect using triple spinneret to fabricate high performance PVDF hollow fiber membranes. <i>Journal of Membrane Science</i> , 2018, 559, 117-126.	4.1	87
675	A facile approach to fabrication of superhydrophilic ultrafiltration membranes with surface-tailored nanoparticles. <i>Separation and Purification Technology</i> , 2018, 203, 251-259.	3.9	29
676	Synthesis of Ag ₂ SiO ₂ -APTES Nanocomposites by Blending Poly(Vinylidene Fluoride) Membrane with Potential Applications on Dye Wastewater Treatment. <i>Nano</i> , 2018, 13, 1850034.	0.5	10

#	ARTICLE	IF	CITATIONS
677	Morphology and performance of poly(vinylidene fluoride) flat sheet membranes: Thermodynamic and kinetic aspects. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46419.	1.3	11
678	Wide liquid-liquid phase separation region enhancing tensile strength of poly(vinylidene fluoride) membranes via TIPS method with a new diluent. <i>Polymer</i> , 2018, 141, 46-53.	1.8	44
679	Electroactive poly(vinylidene fluoride)-based structures for advanced applications. <i>Nature Protocols</i> , 2018, 13, 681-704.	5.5	466
680	Antifouling polyvinylidene fluoride ultrafiltration membrane fabricated from embedding polypyrrole coated multiwalled carbon nanotubes. <i>Materials Science and Engineering C</i> , 2018, 89, 41-51.	3.8	72
681	Self-healing capability of inhibitor-encapsulating polyvinyl alcohol/polyvinylidene fluoride coaxial nanofibers loaded in epoxy resin coatings. <i>Progress in Organic Coatings</i> , 2018, 120, 49-57.	1.9	40
682	Meso-/macro-porous microspheres confining Au nanoparticles based on PDLA/PLLA stereo-complex membrane for continuous flowing catalysis and separation. <i>Chemical Engineering Journal</i> , 2018, 344, 299-310.	6.6	42
683	Effects of methacrylate based amphiphilic block copolymer additives on ultra filtration PVDF membrane formation. <i>Separation and Purification Technology</i> , 2018, 202, 34-44.	3.9	39
684	High performance aqueous symmetric supercapacitors based on advanced carbon electrodes and hydrophilic poly(vinylidene fluoride) porous separator. <i>Applied Surface Science</i> , 2018, 443, 412-420.	3.1	33
685	Preparation of omniphobic PVDF membrane with hierarchical structure for treating saline oily wastewater using direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2018, 555, 197-205.	4.1	156
686	Enhanced properties of PES membrane with bionic surface of self-assembled core-shell micelles. <i>Materials Letters</i> , 2018, 218, 95-98.	1.3	0
687	Engineering a self-driven PVDF/PDA hybrid membranes based on membrane micro-reactor effect to achieve super-hydrophilicity, excellent antifouling properties and hemocompatibility. <i>Applied Surface Science</i> , 2018, 444, 672-690.	3.1	51
688	Hyperbranched Poly(ether amine)@Poly(vinylidene fluoride) Hybrid Membrane with Oriented Nanostructures for Fast Molecular Filtration. <i>Langmuir</i> , 2018, 34, 3787-3796.	1.6	2
689	Hydrophilic Modification of PVDF Microfiltration Membrane with Poly (Ethylene Glycol) Dimethacrylate through Surface Polymerization. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 108-117.	1.9	24
690	Inhibition of patchouli oil for anaerobic digestion and enhancement in methane production using reverse membrane bioreactors. <i>Renewable Energy</i> , 2018, 129, 748-753.	4.3	16
691	Hydrophilic modifications of PVDF membranes via swift heavy ion irradiations. <i>Surface Engineering</i> , 2018, 34, 158-164.	1.1	6
692	Antibacterial photocatalytic self-cleaning poly(vinylidene fluoride) membrane for dye wastewater treatment. <i>Polymers for Advanced Technologies</i> , 2018, 29, 254-262.	1.6	19
693	Improving the hydrophilic and antifouling properties of poly(vinyl chloride) membranes by atom transfer radical polymerization grafting of poly(ionic liquid) brushes. <i>Polymers for Advanced Technologies</i> , 2018, 29, 623-631.	1.6	27
694	Application of nanotechnologies for removing pharmaceutically active compounds from water: development and future trends. <i>Environmental Science: Nano</i> , 2018, 5, 27-47.	2.2	211

#	ARTICLE	IF	CITATIONS
695	Fast and facile fabrication of antifouling and hemocompatible PVDF membrane tethered with amino-acid modified PEG film. <i>Applied Surface Science</i> , 2018, 428, 41-53.	3.1	42
696	Preparation of PVC/PVP composite polymer membranes via phase inversion process for water treatment purposes. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 715-722.	1.7	42
697	Enhanced thermal and mechanical properties of polyvinylidene fluoride composites with magnetic oriented carbon nanotube. <i>Carbon</i> , 2018, 126, 197-207.	5.4	65
698	Catalytic PVDF membrane for continuous reduction and separation of p-nitrophenol and methylene blue in emulsified oil solution. <i>Chemical Engineering Journal</i> , 2018, 334, 579-586.	6.6	127
699	Antifouling polyimide membrane with grafted silver nanoparticles and zwitterion. <i>Separation and Purification Technology</i> , 2018, 192, 230-239.	3.9	67
700	Ultrahigh flux of polydopamine-coated PVDF membranes quenched in air via thermally induced phase separation for oil/water emulsion separation. <i>Separation and Purification Technology</i> , 2018, 192, 348-359.	3.9	88
701	pH-responsive poly(vinylidene fluoride) membranes containing a novel poly(vinylidene fluoride) grafted with poly(ethylene glycol) methyl methacrylate. <i>Journal of Membrane Science</i> , 2018, 550, 1-13.	1.3	502
702	PVDF ultrafiltration membranes of controlled performance via blending PVDF-g-PEGMA copolymer synthesized under different reaction times. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	3.3	21
703	Fabrication of blend polyvinylidene fluoride/chitosan membranes for enhanced flux and fouling resistance. <i>Separation and Purification Technology</i> , 2018, 190, 68-76.	3.9	61
704	Preparation and characterization of amphiphilic copolymer PVDF-g-PMABS and its application in improving hydrophilicity and protein fouling resistance of PVDF membrane. <i>Applied Surface Science</i> , 2018, 427, 787-797.	3.1	60
705	Effect of hydrophobically modified PVA on the temperature-responsive structure and permeation of PAN-based composite ultrafiltration membranes. <i>Polymer Bulletin</i> , 2018, 75, 2805-2817.	1.7	3
706	Synthesis, characterization, and properties of novel UV-resistant poly(urethane-imide)/POSS nanocomposite. <i>High Performance Polymers</i> , 2018, 30, 1210-1218.	0.8	9
707	Non-woven PET fabric reinforced and enhanced the performance of ultrafiltration membranes composed of PVDF blended with PVDF-g-PEGMA for industrial applications. <i>Applied Surface Science</i> , 2018, 435, 1072-1079.	3.1	36
708	Enhancing proton conductivity via sub-micron structures in proton conducting membranes originating from sulfonated PVDF powder by radiation-induced grafting. <i>Solid State Ionics</i> , 2018, 314, 66-73.	1.3	23
709	Preparation of high strength poly(vinylidene fluoride) porous membranes with cellular structure via vapor-induced phase separation. <i>Journal of Membrane Science</i> , 2018, 549, 151-164.	4.1	67
710	Synthesis and employment of PEGDA for fabrication of superhydrophilic PVDF/PEGDA electrospun nanofibrous membranes by in-situ visible photopolymerization. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 289-297.	1.2	20
711	Influence of Solvent Evaporation Effect on the Structure and Properties of PVDF-g-PNIPAAm Membranes. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 1352-1359.	1.9	3
712	Chitosan/partially sulfonated poly(vinylidene fluoride) blends as polymer electrolyte membranes for direct methanol fuel cell applications. <i>Cellulose</i> , 2018, 25, 661-681.	2.4	39

#	ARTICLE	IF	CITATIONS
713	Magnetic field induced orderly arrangement of Fe ₃ O ₄ /GO composite particles for preparation of Fe ₃ O ₄ /GO/PVDF membrane. <i>Journal of Membrane Science</i> , 2018, 548, 184-193.	4.1	79
714	Antioxidation performance of poly(vinyl alcohol) modified poly(vinylidene fluoride) membranes. <i>Applied Surface Science</i> , 2018, 435, 229-236.	3.1	9
715	Enhancement of hydrophilicity and the resistance for irreversible fouling of polysulfone (PSF) membrane immobilized with graphene oxide (GO) through chloromethylated and quaternized reaction. <i>Chemical Engineering Journal</i> , 2018, 334, 2068-2078.	6.6	57
716	PVDF/PBSA membranes with strongly coupled phosphonium derivatives and graphene oxide on the surface towards antibacterial and antifouling activities. <i>Journal of Membrane Science</i> , 2018, 548, 203-214.	4.1	46
717	Effect of electron beam irradiation on structural and thermal properties of gamma poly (vinylidene fluoride) membranes. <i>Journal of Membrane Science</i> , 2018, 548, 203-214.	1.4	19
718	Dissipative particle dynamics simulation on the membrane formation of polymer-solvent system via nonsolvent induced phase separation. <i>Journal of Membrane Science</i> , 2018, 548, 288-297.	4.1	24
719	CFC/PVDF/GO-Fe ³⁺ membrane electrode and flow-through system improved E-Fenton performance with a low dosage of aqueous iron. <i>Separation and Purification Technology</i> , 2018, 193, 220-231.	3.9	22
720	Poly(vinyl pyrrolidone) modified poly(vinylidene fluoride) ultrafiltration membrane via a two-step surface grafting for radioactive wastewater treatment. <i>Separation and Purification Technology</i> , 2018, 194, 404-409.	3.9	27
721	Role of thermodynamic and kinetic interaction of poly(vinylidene fluoride) with various solvents for tuning phase inversion membranes. <i>Polymer Engineering and Science</i> , 2018, 58, 1062-1073.	1.5	17
722	Poly (vinylidene fluoride)/polyaniline/MWCNT nanocomposite ultrafiltration membrane for natural organic matter removal. <i>Separation and Purification Technology</i> , 2018, 190, 143-155.	3.9	74
723	Through Permeability of Polyvinylidene Fluoride Piezoactive Porous Films. <i>Polymer Science - Series A</i> , 2018, 60, 734-741.	0.4	4
724	Tailoring both the surface pore size and sub-layer structures of PVDF membranes prepared by the TIPS process with a triple orifice spinneret. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20712-20724.	5.2	30
725	A core-shell cathode substrate for developing high-loading, high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24841-24847.	5.2	20
726	Investigation of PolarClean and Gamma-Valerolactone as Solvents for Polysulfone Membrane Fabrication. <i>ACS Symposium Series</i> , 2018, , 385-403.	0.5	10
727	Preparation of Highly Porous Polymer Membranes with Hierarchical Porous Structures via Spinodal Decomposition of Mixed Solvents with UCST Phase Behavior. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44041-44049.	4.0	38
728	Properties and Common Industrial Applications of Polyvinyl fluoride (PVF) and Polyvinylidene fluoride (PVDF). <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 409, 012021.	0.3	19
729	Surface Modification of Poly(vinylidene fluoride) Ultrafiltration Membranes with Chitosan for Anti-Fouling and Antibacterial Performance. <i>Macromolecular Research</i> , 2018, 26, 1225-1232.	1.0	18
730	Synthesis of Na ₂ Ti ₃ O ₇ -based anode for sodium-ion battery using solid state reaction method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 432, 012058.	0.3	3

#	ARTICLE	IF	CITATIONS
731	Effects of the electric field and $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$ salt on the crystal, morphology and dielectric properties of P(VDF-HFP) fibres. <i>Journal of Physics: Conference Series</i> , 2018, 1144, 012179.	0.3	1
732	Grafting of MIPs from PVDF Membranes via Reversible Addition-fragmentation Chain Transfer Polymerization for Selective Removal of p-Hydroxybenzoic Acid. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 1051-1057.	1.3	5
733	Preparation of Nano-SiO ₂ /Al ₂ O ₃ /ZnO-Blended PVDF Cation-Exchange Membranes with Improved Membrane Permselectivity and Oxidation Stability. <i>Materials</i> , 2018, 11, 2465.	1.3	16
734	Biologically Responsive Membranes. <i>Interface Science and Technology</i> , 2018, 25, 145-171.	1.6	8
735	A Comprehensive Review on Polymeric Nano-Composite Membranes for Water Treatment. <i>Journal of Membrane Science & Technology</i> , 2018, 08, .	0.5	158
736	Antibacterial blend poly(vinylidene fluoride)/poly(ethyleneimine) membranes for salty oil emulsion separation. <i>European Polymer Journal</i> , 2018, 108, 542-553.	2.6	11
737	THERMODYNAMIC STUDY OF POLYMER ELECTROLYTE MEMBRANE PREPARATION BY NON-SOLVENT INDUCED PHASE SEPARATION. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2018, 80, .	0.3	0
738	Optimization and modification of PVDF dual-layer hollow fiber membrane for direct contact membrane distillation; application of response surface methodology and morphology study. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 2241-2255.	1.2	8
739	Effective structure regulation of poly(vinylidene fluoride) via soy protein isolate: A morphological study. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46706.	1.3	3
740	Preparation of UV-Blocking Poly(vinylidene fluoride) Films through SI-AGET ATRP Using a Colorless Polydopamine Initiator Layer. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 12662-12669.	1.8	21
741	Treatment of Palm Oil Mill Effluent Using Membrane Bioreactor: Novel Processes and Their Major Drawbacks. <i>Water (Switzerland)</i> , 2018, 10, 1165.	1.2	27
742	A reusable electrospun PVDF-PVP-MnO ₂ nanocomposite membrane for bisphenol A removal from drinking water. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5801-5811.	3.3	50
743	Semi-Continuous Reverse Membrane Bioreactor in Two-Stage Anaerobic Digestion of Citrus Waste. <i>Materials</i> , 2018, 11, 1341.	1.3	11
744	Preparation and characterization of PVDF-based blend membranes as polymer electrolyte membranes in fuel cells: Study of factor affecting the proton conductivity behavior. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2287-2299.	1.6	15
745	Segregation-induced in situ hydrophilic modification of poly(vinylidene fluoride) ultrafiltration membranes via sticky poly(ethylene glycol) blending. <i>Journal of Membrane Science</i> , 2018, 563, 22-30.	4.1	159
746	Effect of Supercritical Carbon Dioxide Conditions on PVDF/PVP Microcellular Foams. <i>Polymer Science - Series A</i> , 2018, 60, 342-349.	0.4	7
747	Applications of graphene oxide blended poly(vinylidene fluoride) membranes for the treatment of organic matters and its membrane fouling investigation. <i>Applied Surface Science</i> , 2018, 455, 502-512.	3.1	30
748	Bioinspired Poly(vinylidene fluoride) Membranes with Directional Release of Therapeutic Essential Oils. <i>Langmuir</i> , 2018, 34, 8652-8660.	1.6	5

#	ARTICLE	IF	CITATIONS
749	Applying basic research on a dialkylphosphoric acid based task-specific ionic liquid for the solvent extraction and membrane separation of yttrium. <i>Separation and Purification Technology</i> , 2018, 207, 179-186.	3.9	28
750	Novel vascular self-nourishing and self-healing hollow fibers containing oily rejuvenator for bitumen. <i>Construction and Building Materials</i> , 2018, 183, 150-162.	3.2	30
751	Hydrophilic modification and anti-fouling properties of PVDF membrane via in situ nano-particle blending. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25227-25242.	2.7	18
752	Preparation of poly (bis[2-(methacryloyloxy)ethyl] phosphate) crosslinked polymer brushes on Poly(vinylidene fluoride) nanofibers. <i>Materials Chemistry and Physics</i> , 2018, 217, 168-174.	2.0	7
753	Application of a triblock copolymer additive modified polyvinylidene fluoride membrane for effective oil/water separation. <i>Royal Society Open Science</i> , 2018, 5, 171979.	1.1	5
754	High flux PVDF membrane incorporated with β -cyclodextrin modified halloysite nanotubes for dye rejection and Cu (II) removal from water. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2704-2714.	1.6	18
755	New insights in poly(vinylidene fluoride) (PVDF) membrane hemocompatibility: Synergistic effect of PVDF-g-(acryloyl morpholine) and PVDF-g-(poly(acrylic acid)-argatroban) copolymers. <i>Applied Surface Science</i> , 2018, 457, 170-178.	3.1	32
756	New strategy of grafting hydroxyethyl acrylate (HEA) via γ ray radiation to modify polyvinylidene fluoride (PVDF) membrane: Thermodynamic mechanisms of the improved antifouling performance. <i>Separation and Purification Technology</i> , 2018, 207, 83-91.	3.9	32
757	Recent advances in hydrophilic modification and performance of polyethersulfone (PES) membrane via additive blending. <i>RSC Advances</i> , 2018, 8, 22710-22728.	1.7	97
758	Tannic acid encountering ovalbumin: a green and mild strategy for superhydrophilic and underwater superoleophobic modification of various hydrophobic membranes for oil/water separation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13959-13967.	5.2	107
759	Application of the imidazolium ionic liquid based nano-particle decorated gel polymer electrolyte for high safety lithium ion battery. <i>Electrochimica Acta</i> , 2018, 284, 188-201.	2.6	53
760	Polymeric membranes: Classification, preparation, structure physiochemical, and transport mechanisms. , 2018, , 21-35.		13
761	Application of cosolvent-assisted interfacial polymerization technique to fabricate thin-film composite polyamide pervaporation membranes with PVDF hollow fiber as support. <i>Journal of Membrane Science</i> , 2018, 564, 722-731.	4.1	46
762	Fouling-free ultrafiltration for humic acid removal. <i>RSC Advances</i> , 2018, 8, 24961-24969.	1.7	12
763	Sodium hypochlorite assisted membrane cleaning: Alterations in the characteristics of organic foulants and membrane permeability. <i>Chemosphere</i> , 2018, 211, 139-148.	4.2	27
764	Membrane contactor aided catalyst recycle and organic acid recovery from aqueous solutions using porous hydrophobic polyvinylidene fluoride barriers. <i>Journal of Cleaner Production</i> , 2018, 199, 923-936.	4.6	2
765	Bicontinuous and cellular structure design of PVDF membranes by using binary solvents for the membrane distillation process. <i>RSC Advances</i> , 2018, 8, 25159-25167.	1.7	18
766	Advances in biopolymer-based membrane preparation and applications. <i>Journal of Membrane Science</i> , 2018, 564, 562-586.	4.1	255

#	ARTICLE	IF	CITATIONS
767	Flexible, high-wettability and thermostable separator based on fluorinated polyimide for lithium-ion battery. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 3363-3373.	1.2	22
768	Extra Water- and Acid-Stable MOF-801 with High Proton Conductivity and Its Composite Membrane for Proton-Exchange Membrane. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28656-28663.	4.0	153
769	Effects of the addition of MWCNT and ZrO ₂ nanoparticles on the dosimetric properties of PVDF. <i>Applied Radiation and Isotopes</i> , 2018, 141, 275-281.	0.7	3
770	PVDF-g-poly (styrene-co-vinylbenzyl chloride) based anion exchange membrane: High salt removal efficiency and stability. <i>Desalination</i> , 2018, 444, 35-43.	4.0	23
771	Janus Polyvinylidene Fluoride Membrane with Extremely Opposite Wetting Surfaces via One Single-Step Unidirectional Segregation Strategy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24947-24954.	4.0	64
772	Force induced piezoelectric effect of polyvinylidene fluoride and polyvinylidene fluoride-co-trifluoroethylene nanofibrous scaffolds. <i>International Journal of Artificial Organs</i> , 2018, 41, 811-822.	0.7	15
773	Investigation of the Use of a Bio-Derived Solvent for Non-Solvent-Induced Phase Separation (NIPS) Fabrication of Polysulfone Membranes. <i>Membranes</i> , 2018, 8, 23.	1.4	101
774	Recent Advances in Nanoporous Membranes for Water Purification. <i>Nanomaterials</i> , 2018, 8, 65.	1.9	136
775	Right filter-selection for phase separation in equilibrium solubility measurement. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 123, 98-105.	1.9	13
776	A Ceramic-PVDF Composite Membrane with Modified Interfaces as an Ion-Conducting Electrolyte for Solid-State Lithium-Ion Batteries Operating at Room Temperature. <i>ChemElectroChem</i> , 2018, 5, 2873-2881.	1.7	69
777	Progress in the modification of reverse osmosis (RO) membranes for enhanced performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 67, 52-71.	2.9	43
778	Largely Improved Stretch Ductility and \hat{I}^2 -Form Room-temperature Durability of Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2018, 36, 1277-1285.	2.0	8
779	Preparation and characterization of polyvinylidenedifluoride-co-chlorotrifluoroethylene hollow fiber membranes with high alkaline resistance. <i>Polymer</i> , 2018, 145, 310-323.	1.8	20
780	Electrospinning superhydrophobic nanofibrous poly(vinylidene fluoride)/stearic acid coatings with excellent corrosion resistance. <i>Thin Solid Films</i> , 2018, 657, 88-94.	0.8	63
781	Modulation of the mechanical, physical and chemical properties of polyvinylidene fluoride scaffold via non-solvent induced phase separation process for nerve tissue engineering applications. <i>European Polymer Journal</i> , 2018, 104, 115-127.	2.6	32
782	Fabrication of Nanoemulsions by Membrane Emulsification. , 2018, , 287-346.		4
783	Highly efficient removal of fluoride from aqueous media through polymer composite membranes. <i>Separation and Purification Technology</i> , 2018, 205, 1-10.	3.9	32
784	Synthesis of Well-Defined PVDF-Based Amphiphilic Block Copolymer via Iodine Transfer Polymerization for Antifouling Membrane Application. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 8689-8697.	1.8	18

#	ARTICLE	IF	CITATIONS
785	Simple, one-step dye-based kit for bacterial contamination detection in a range of water sources. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 121-127.	4.0	8
786	Breathable and Flexible Piezoelectric ZnO@PVDF Fibrous Nanogenerator for Wearable Applications. <i>Polymers</i> , 2018, 10, 745.	2.0	89
787	Biomimetic Silicification on Membrane Surface for Highly Efficient Treatments of Both Oil-in-Water Emulsion and Protein Wastewater. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29982-29991.	4.0	101
788	Elevated-temperature 3D Printing of Hybrid Solid-State Electrolyte for Li-ion Batteries. <i>Advanced Materials</i> , 2018, 30, e1800615.	11.1	159
789	Nodular structure and crystallinity of poly(vinylidene fluoride) membranes: Impact on the performance of direct-contact membrane distillation for nutrient isolation. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46866.	1.3	2
790	Zwitterionic Nanohydrogel Grafted PVDF Membranes with Comprehensive Antifouling Property and Superior Cycle Stability for Oil-in-Water Emulsion Separation. <i>Advanced Functional Materials</i> , 2018, 28, 1804121.	7.8	379
791	Preparation of polyvinylidene fluoride blend anion exchange membranes via non-solvent induced phase inversion for desalination and fluoride removal. <i>Desalination</i> , 2018, 445, 85-94.	4.0	39
792	Interaction between humic acid and protein in membrane fouling process: A spectroscopic insight. <i>Water Research</i> , 2018, 145, 146-152.	5.3	74
793	Highly transparent thermoresponsive surfaces based on tea-stain-inspired chemistry. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46694.	1.3	1
794	Influence of Microstructure on the Nanomechanical Properties of Polymorphic Phases of Poly(vinylidene fluoride). <i>Journal of Physical Chemistry B</i> , 2018, 122, 8591-8600.	1.2	16
795	Fabrication of a graphene oxide/nanoscale aramid fiber composite membrane with improved hydrophilicity and mechanical strength via a fast-drying method using absolute ethanol as proton donor. <i>Journal of Materials Science</i> , 2018, 53, 16383-16392.	1.7	5
796	New insight into the adsorption behaviour of effluent organic matter on organic-inorganic ultrafiltration membranes: a combined QCM-D and AFM study. <i>Royal Society Open Science</i> , 2018, 5, 180586.	1.1	15
797	A comprehensive description of the threshold flux during oil/water emulsion filtration to identify sustainable flux regimes for tannic acid (TA) dip-coated poly(vinylidene fluoride) (PVDF) membranes. <i>Journal of Membrane Science</i> , 2018, 563, 43-53.	4.1	59
798	Tailoring PVDF Membranes Surface Topography and Hydrophobicity by a Sustainable Two-Steps Phase Separation Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10069-10077.	3.2	47
799	Porous Metal-Organic Framework@Polymer Beads for Iodine Capture and Recovery Using a Gas-Sparged Column. <i>Advanced Functional Materials</i> , 2018, 28, 1801596.	7.8	120
800	Preparation of cellulose acetate membrane coated by PVA/Fe ₃ O ₄ nanocomposite thin film: an in situ procedure. <i>Colloid and Polymer Science</i> , 2018, 296, 1213-1223.	1.0	16
801	In situ formation of La(OH) ₃ -poly(vinylidene fluoride) composite filtration membrane with superior phosphate removal properties. <i>Chemical Engineering Journal</i> , 2018, 347, 695-702.	6.6	68
802	Membrane properties in membrane distillation. , 2018, , 107-156.		52

#	ARTICLE	IF	CITATIONS
803	Methods for preparation of nanocomposites in environmental remediation. , 2018, , 1-28.		8
804	Biologically inspired silk fibroin grafted polyacrylonitrile filtration membrane prepared in ZnCl ₂ aqueous solution. Chinese Chemical Letters, 2019, 30, 239-242.	4.8	21
805	Effect of the molecular weight and its distribution of polyvinylidene fluoride on the relationship between the spinning process, microstructure and properties of hollow fiber membranes via thermally induced phase separation. Textile Research Journal, 2019, 89, 1311-1320.	1.1	4
806	Characterization of antibiofouling behaviors of PVDF membrane modified by quaternary ammonium compound " combined use of QCM-D, FCM, and CLSM. Journal of Water Reuse and Desalination, 2019, 9, 18-30.	1.2	9
807	Ultrafiltration membranes modified by PSS deposition and plasma treatment for Cr(VI) removal. Separation and Purification Technology, 2019, 210, 371-381.	3.9	27
808	Protection of Li metal anode by surface-coating of PVDF thin film to enhance the cycling performance of Li batteries. Chinese Chemical Letters, 2019, 30, 525-528.	4.8	42
809	Air gap membrane distillation: A review. Journal of Renewable and Sustainable Energy, 2019, 11, .	0.8	36
810	Membranas de fibra oca de polietersulfona: efeito do lquido interno e da adiÃsÃo de argila. Revista Materia, 2019, 24, .	0.1	0
811	Membranes of polyamide 6/clay/salt for water/oil separation. Materials Research Express, 2019, 6, 105313.	0.8	9
812	A Review on Porous Polymeric Membrane Preparation. Part II: Production Techniques with Polyethylene, Polydimethylsiloxane, Polypropylene, Polyimide, and Polytetrafluoroethylene. Polymers, 2019, 11, 1310.	2.0	119
813	Efficient Photocatalytic Removal of Methylene Blue Using a Metalloporphyrin"Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 31763-31776.	4.0	31
814	Electrospun flexible nanofibrous membranes for oil/water separation. Journal of Materials Chemistry A, 2019, 7, 20075-20102.	5.2	177
815	Modular Molecular Nanoplastics. ACS Nano, 2019, 13, 11097-11106.	7.3	8
816	Effect of polymer loading on superhydrophobic PVDF/TiO ₂ supported membrane for membrane distillation. AIP Conference Proceedings, 2019, , .	0.3	2
817	Bioadhesion-inspired surface engineering constructing robust, hydrophilic membranes for highly-efficient wastewater remediation. Journal of Membrane Science, 2019, 591, 117353.	4.1	76
818	A unique Microfiltration membrane derived from the poly(ethylene-co-methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 147 Td (acr antifouling application. Polymer Testing, 2019, 79, 106031.	2.3	22
819	Performance of ferroceramic PVDF-co-HEP micro composite electrolytes cum separators for Li-ion batteries. AIP Conference Proceedings, 2019, , .	0.3	1
820	Confining migration of amine monomer during interfacial polymerization for constructing thin-film composite forward osmosis membrane with low fouling propensity. Chemical Engineering Science, 2019, 207, 54-68.	1.9	38

#	ARTICLE	IF	CITATIONS
821	A facile approach to enhance performance of PVDF-matrix nanocomposite membrane via manipulating migration behavior of graphene oxide. <i>Journal of Membrane Science</i> , 2019, 590, 117268.	4.1	24
822	Biomimetic hydrophilization engineering on membrane surface for highly-efficient water purification. <i>Journal of Membrane Science</i> , 2019, 589, 117223.	4.1	90
823	A Review on Porous Polymeric Membrane Preparation. Part I: Production Techniques with Polysulfone and Poly (Vinylidene Fluoride). <i>Polymers</i> , 2019, 11, 1160.	2.0	224
824	Electrospun nanofibrous omniphobic membrane for anti-surfactant-wetting membrane distillation desalination. <i>Desalination</i> , 2019, 468, 114068.	4.0	61
825	A review on polymer-based membranes for gas-liquid membrane contacting processes: Current challenges and future direction. <i>Separation and Purification Technology</i> , 2019, 229, 115791.	3.9	86
826	Effect of X-ray beam on the molecular topological structure of the surface of kynar® polyvinylidene fluoride resin. <i>Journal of Fluorine Chemistry</i> , 2019, 226, 109338.	0.9	5
827	Preparation of microemulsions and nanoemulsions by membrane emulsification. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 579, 123709.	2.3	71
828	Understanding the multiple functions of styrene-co-maleic anhydride in fabricating polyvinylidene fluoride hollow fiber membrane via coupled phase inversion process and its effect on surface infiltration behavior and membrane permeability. <i>Journal of Membrane Science</i> , 2019, 590, 117269.	4.1	36
829	Surface modification of a cellulose acetate membrane using a nanocomposite suspension based on magnetic particles. <i>Cellulose</i> , 2019, 26, 7995-8006.	2.4	7
830	Chemical Cleaning of Ultrafiltration Membrane Fouled by Humic Substances: Comparison between Hydrogen Peroxide and Sodium Hypochlorite. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2568.	1.2	34
831	The Key Role of Modifications in Biointerfaces toward Rendering Antibacterial and Antifouling Properties in Polymeric Membranes for Water Remediation: A Critical Assessment. <i>Advanced Sustainable Systems</i> , 2019, 3, 1900017.	2.7	41
832	Polyvinyl fluoride (PVF); Its Properties, Applications, and Manufacturing Prospects. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 538, 012010.	0.3	8
833	Orientation Efforts as Regulatory Factor of Structure Formation in Permeable Porous Poly(vinylidene fluoride) Films. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019, 37, 1283-1289.	2.0	7
834	Recovery of rare earths from phosphate ores through supported liquid membrane using N,N,N',N'-tetraoctyl diglycol amide. <i>Minerals Engineering</i> , 2019, 139, 105861.	1.8	19
835	Hybrid Membranes of hPEA@PVDF for Molecular Recognition and Separation of Phenols and Anilines. <i>Advanced Materials Technologies</i> , 2019, 4, 1900529.	3.0	1
836	Flower and Leaf Extracts of <i>Sambucus nigra</i> L.: Application of Membrane Processes to Obtain Fractions with Antioxidant and Antityrosinase Properties. <i>Membranes</i> , 2019, 9, 127.	1.4	24
837	Fabrication of enhanced dielectric PVDF nanocomposite based on the conjugated synergistic effect of ionic liquid and graphene. <i>Materials Today: Proceedings</i> , 2019, 16, 1512-1517.	0.9	9
838	Influence of the various pore former additives on the performance and characteristics of the bare and EPVC/boehmite nanocomposite ultrafiltration membranes. <i>Materials Today Communications</i> , 2019, 21, 100663.	0.9	5

#	ARTICLE	IF	CITATIONS
839	Graphene-based supercapacitor performance enhancement by an immersion precipitation of poly(vinylidene fluoride) binder. <i>Materials Research Express</i> , 2019, 6, 105616.	0.8	5
840	Improving the Performance of PVDF/PVDF- <i>g</i> -PEGMA Ultrafiltration Membranes by Partial Solvent Substitution with Green Solvent Dimethyl Sulfoxide during Fabrication. <i>ACS Omega</i> , 2019, 4, 19799-19807.	1.6	23
841	Synthesis of hydrophilic P(VDF-TrFE) chloride sensitive polymer films for fluorescence sensing. <i>Journal of Polymer Research</i> , 2019, 26, 1.	1.2	1
842	Environmentally friendly electrostatically driven self-assembled LDH/GO/PVDF composite membrane for water treatment. <i>Applied Clay Science</i> , 2019, 183, 105322.	2.6	47
843	Fabrication of robust, ultrathin and light weight, hydrophilic, PVDF-CNT membrane composite for salt rejection. <i>Composites Part B: Engineering</i> , 2019, 160, 632-643.	5.9	49
844	Electrospun polyvinylidene fluoride-based fibrous nanocomposite membranes reinforced by cellulose nanocrystals for efficient separation of water-in-oil emulsions. <i>Journal of Membrane Science</i> , 2019, 575, 71-79.	4.1	68
845	Efficient Transport of Heavy Metals Across Plasticized CTA/PVDF Membranes Mediated by Organo-Phosphorous Carrier. <i>Macromolecular Symposia</i> , 2019, 386, 1800244.	0.4	4
846	Synthesis of a Hominal Bis(difluoromethyl) Fragment. <i>ACS Omega</i> , 2019, 4, 14140-14150.	1.6	4
847	Safety regulation of gel electrolytes in electrochemical energy storage devices. <i>Science China Materials</i> , 2019, 62, 1556-1573.	3.5	28
848	Influence of TiO ₂ nanoparticles loading on permeability and antifouling properties of nanocomposite polymeric membranes: experimental and statistical analysis. <i>Journal of Polymer Research</i> , 2019, 26, 1.	1.2	9
849	3D printing of polyvinylidene fluoride/photopolymer resin blends for piezoelectric pressure sensing application using the stereolithography technique. <i>MRS Communications</i> , 2019, 9, 1115-1123.	0.8	26
850	Graphene oxide-silver nanosheet-incorporated polyamide thin-film composite membranes for antifouling and antibacterial action against <i>Escherichia coli</i> and bovine serum albumin. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 227-238.	2.9	44
851	Membrane condenser as emerging technology for water recovery and gas pre-treatment: current status and perspectives. <i>BMC Chemical Engineering</i> , 2019, 1, .	3.4	13
852	Amphoteric Ion Exchange Membranes Prepared by Preirradiation-Induced Emulsion Graft Copolymerization for Vanadium Redox Flow Battery. <i>Polymers</i> , 2019, 11, 1482.	2.0	14
853	k-Carrageenan – A versatile biopolymer for the preparation of a hydrophilic PVDF composite membrane. <i>European Polymer Journal</i> , 2019, 120, 109219.	2.6	27
854	Fabrication of a new PVDF/SbSI nanowire composite for smart wearable textile. <i>Polymer</i> , 2019, 180, 121729.	1.8	22
855	Membrane photo-bioreactor coupled with heterogeneous Fenton fluidized bed for high salinity wastewater treatment: Pollutant removal, photosynthetic bacteria harvest and membrane anti-fouling analysis. <i>Science of the Total Environment</i> , 2019, 696, 133953.	3.9	22
856	Anaerobic membrane bioreactor towards biowaste biorefinery and chemical energy harvest: Recent progress, membrane fouling and future perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109392.	8.2	103

#	ARTICLE	IF	CITATIONS
857	Novel Janus membrane with unprecedented osmosis transport performance. Journal of Materials Chemistry A, 2019, 7, 632-638.	5.2	34
858	Bioplastic electromechanical actuators based on biodegradable poly(3-hydroxybutyrate) and cluster-assembled gold electrodes. Sensors and Actuators B: Chemical, 2019, 286, 230-236.	4.0	19
859	Refinery processed water treatment <i>via</i> the low energy Direct Contact Membrane Distillation (DCMD). Oil and Gas Science and Technology, 2019, 74, 3.	1.4	8
860	Water and Wastewater Treatment Systems by Novel Integrated Membrane Distillation (MD). ChemEngineering, 2019, 3, 8.	1.0	63
861	Experimental observation of the vascular self-healing hollow fibers containing rejuvenator states in bitumen. Construction and Building Materials, 2019, 201, 715-727.	3.2	26
862	Porous poly(vinylidene fluoride) membranes with tailored properties by fast and scalable non-solvent vapor induced phase separation. Journal of Membrane Science, 2019, 577, 69-78.	4.1	41
863	Optimizing the electrospinning conditions of polysulfone membranes for water microfiltration applications. Polymer International, 2019, 68, 1610-1617.	1.6	12
864	Photocatalytic Microporous Membrane against the Increasing Problem of Water Emerging Pollutants. Materials, 2019, 12, 1649.	1.3	32
865	Inclusion of water and KDP as a mechanism for controlling structural and dielectric parameters in PVDF films. Bulletin of Materials Science, 2019, 42, 1.	0.8	2
866	Smart ultrafiltration membrane fouling control as desalination pretreatment of shale gas fracturing wastewater: The effects of backwash water. Environment International, 2019, 130, 104869.	4.8	32
867	Zwitterionic grafting of sulfobetaine methacrylate (SBMA) on hydrophobic PVDF membranes for enhanced anti-fouling and anti-wetting in the membrane distillation of oil emulsions. Journal of Membrane Science, 2019, 588, 117196.	4.1	77
868	Fabrication of high flux and fouling resistant membrane: A unique hydrophilic blend of polyvinylidene fluoride/polyethylene glycol/polymethyl methacrylate. Polymer, 2019, 179, 121593.	1.8	50
869	Low band-gap energy photocatalytic membrane based on SrTiO ₃ â€‘Cr and PVDF substrate: BSA protein degradation and separation application. Journal of Membrane Science, 2019, 586, 326-337.	4.1	23
870	Egg Shell Powders-Coated Membrane for Surfactant-Stabilized Crude Oil-in-Water Emulsions Efficient Separation. ACS Sustainable Chemistry and Engineering, 2019, 7, 10880-10887.	3.2	138
871	Copolymers containing two types of reactive groups: New compatibilizer for immiscible PLLA/PA11 polymer blends. Polymer, 2019, 177, 139-148.	1.8	34
872	Amphiphilic PVDFâ€‘g â€‘PDMAPMA ultrafiltration membrane with enhanced hydrophilicity and antifouling properties. Journal of Applied Polymer Science, 2019, 136, 48049.	1.3	18
873	One-step tailoring surface roughness and surface chemistry to prepare superhydrophobic polyvinylidene fluoride (PVDF) membranes for enhanced membrane distillation performances. Journal of Colloid and Interface Science, 2019, 553, 99-107.	5.0	66
874	A New Hollow-Fiber Adsorbent Material for Removing Arsenic from Groundwater. Journal of Chemistry, 2019, 2019, 1-9.	0.9	1

#	ARTICLE	IF	CITATIONS
875	Novel and rapid activation of polyvinylidene fluoride membranes by UV light. <i>Reactive and Functional Polymers</i> , 2019, 140, 56-61.	2.0	4
876	Polymer-enhanced ultrafiltration: Fundamentals, applications and recent developments. <i>Journal of Membrane Science</i> , 2019, 586, 53-83.	4.1	99
877	The Anti-compaction Behavior of Aramid Fiber Based Polyvinylidene Fluoride Composite Separation Membranes. <i>Fibers and Polymers</i> , 2019, 20, 440-449.	1.1	1
878	Effect of silica nanotubes on characteristic and performance of PVDF nanocomposite membrane for nitrate removal application. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	5
879	Porous composite membrane of PVDF/Sulfonic silica with high ion selectivity for vanadium redox flow battery. <i>Journal of Membrane Science</i> , 2019, 585, 230-237.	4.1	42
880	Fabrication of a biconnected structure PVB porous heddle via thermally induced phase separation. <i>RSC Advances</i> , 2019, 9, 14599-14608.	1.7	1
881	Polymer- TiO_3 ($\text{M}=\text{Ca, Sr, Ba}$) composites as facile and scalable supercapacitor separators. <i>Energy Science and Engineering</i> , 2019, 7, 730-740.	1.9	18
882	Enhanced thermal and mechanical properties of poly (vinylidene fluoride) nanocomposites reinforced by liquid-exfoliated graphene. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2019, 56, 733-740.	1.2	15
883	Novel polyphenylsulfone (PPSU)/nano tin oxide (SnO_2) mixed matrix ultrafiltration hollow fiber membranes: Fabrication, characterization and toxic dyes removal from aqueous solutions. <i>Reactive and Functional Polymers</i> , 2019, 139, 170-180.	2.0	54
884	Effect of membrane wetting on the performance of PVDF and PTFE membranes in the concentration of pomegranate juice through osmotic distillation. <i>Journal of Membrane Science</i> , 2019, 584, 66-78.	4.1	56
885	The Application of Halloysite Nanotubes/ Fe_3O_4 Composites Nanoparticles in Polyvinylidene Fluoride Membranes for Dye Solution Removal. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 1625-1636.	1.9	9
886	Using the Green Solvent Dimethyl Sulfoxide To Replace Traditional Solvents Partly and Fabricating PVC/PVC-g-PEGMA Blended Ultrafiltration Membranes with High Permeability and Rejection. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6413-6423.	1.8	65
887	Bio-inspired underwater superoleophobic PVDF membranes for highly-efficient simultaneous removal of insoluble emulsified oils and soluble anionic dyes. <i>Chemical Engineering Journal</i> , 2019, 369, 576-587.	6.6	132
888	Fabricating a pH-responsive membrane through interfacial in-situ assembly of microgels for water gating and self-cleaning. <i>Journal of Membrane Science</i> , 2019, 579, 230-239.	4.1	51
889	One-Step Low Temperature Hydrothermal Synthesis of Flexible $\text{TiO}_2/\text{PVDF}@ \text{MoS}_2$ Core-Shell Heterostructured Fibers for Visible-Light-Driven Photocatalysis and Self-Cleaning. <i>Nanomaterials</i> , 2019, 9, 431.	1.9	35
890	Carbon dioxide plasma treated PVDF electrospun membrane for the removal of crystal violet dyes and iron oxide nanoparticles from water. <i>Nano Structures Nano Objects</i> , 2019, 18, 100268.	1.9	41
891	Surface Modification of PVDF Membranes for Treating Produced Waters by Direct Contact Membrane Distillation. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 685.	1.2	33
892	Morphology and performance of pvdf membranes composed of triethylphosphate and dimethyl sulfoxide solvents. <i>Materials Research Express</i> , 2019, 6, 066419.	0.8	11

#	ARTICLE	IF	CITATIONS
893	Ionic conductivity promotion of polymer membranes with oxygen-ion conducting nanowires for rechargeable lithium batteries. <i>Journal of Membrane Science</i> , 2019, 580, 92-100.	4.1	23
894	Emerging biomaterials for downstream manufacturing of therapeutic proteins. <i>Acta Biomaterialia</i> , 2019, 95, 73-90.	4.1	35
895	Synergistic effects of organic and inorganic additives in preparation of composite poly(vinylidene fluoride)/polytetrafluoroethylene composite membranes. <i>Journal of Membrane Science</i> , 2019, 581, 362-372.	1.3	13
896	In situ decoration of plasmonic silver nanoparticles on poly(vinylidene fluoride) membrane for versatile SERS detection. <i>New Journal of Chemistry</i> , 2019, 43, 6965-6972.	1.4	11
897	Removal of Dyes and Cd ²⁺ in Water by Kaolin/Calcium Alginate Filtration Membrane. <i>Coatings</i> , 2019, 9, 218.	1.2	13
898	Cross-linking of dehydrofluorinated PVDF membranes with thiol modified polyhedral oligomeric silsesquioxane (POSS) and pure water flux analysis. <i>Journal of Membrane Science</i> , 2019, 581, 362-372.	4.1	20
899	Fabrication and characterization of poly(vinylidene fluoride)/polytetrafluoroethylene composite membrane for CO ₂ absorption in gas-liquid contacting process. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47767.	1.3	8
900	Permanently hydrophilic, piezoelectric PVDF nanofibrous scaffolds promoting unaided electromechanical stimulation on osteoblasts. <i>Nanoscale</i> , 2019, 11, 8906-8917.	2.8	109
901	Ion-imprinted poly(methyl methacrylate-co-vinyl pyrrolidone)/poly(vinylidene fluoride) blending membranes for selective removal of ruthenium(III) from acidic water solutions. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1865-1877.	1.6	11
902	Hydrophilic and anti-fouling PVDF blend ultrafiltration membranes using polyacryloylmorpholine-based triblock copolymers as amphiphilic modifiers. <i>Reactive and Functional Polymers</i> , 2019, 139, 92-101.	2.0	39
903	Toward High Power Generating Piezoelectric Nanofibers: Influence of Particle Size and Surface Electrostatic Interaction of CeFe ₂ O ₃ and CeCo ₃ O ₄ on PVDF. <i>ACS Omega</i> , 2019, 4, 6312-6323.	1.6	46
904	Parameter Screening of PVDF/PVP Multi-Channel Capillary Membranes. <i>Polymers</i> , 2019, 11, 463.	2.0	9
905	Effects of Ultraviolet Light Treatment in Ambient Air on Lithium-Ion Battery Graphite and PVDF Binder. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1121-A1126.	1.3	9
906	A novel membrane biofouling mitigation strategy of D-amino acid supported by polydopamine and halloysite nanotube. <i>Journal of Membrane Science</i> , 2019, 579, 131-140.	4.1	34
907	Superoleophilic, Mechanically Strong Electrospun Membranes for Fast and Efficient Gravity-Driven Oil/Water Separation. <i>ACS Applied Polymer Materials</i> , 2019, 1, 765-776.	2.0	45
908	Polymer membranes for biofouling mitigation: a review. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 1829-1854.	0.6	5
909	Fabrication of high-performance graphene oxide doped PVDF/CuO/Al nanocomposites via electrospinning. <i>Chemical Engineering Journal</i> , 2019, 368, 129-137.	6.6	135
910	Superior fouling resistant PVDF membrane with enhanced filtration performance fabricated by combined blending and the self-polymerization approach of dopamine. <i>Journal of Water Process Engineering</i> , 2019, 28, 293-299.	2.6	33

#	ARTICLE	IF	CITATIONS
911	Reduction in piezoelectric voltage generation for the cerium doped nickel ferrite nanoparticles filled PVDF-HFP nanocomposites. Results in Physics, 2019, 13, 102130.	2.0	21
912	Treatment of emulsion oil using tannic acid/tetraethylenepentamine-supported polymeric membrane. International Journal of Environmental Science and Technology, 2019, 16, 8255-8266.	1.8	13
913	Electron beam irradiation of polyvinylidene fluoride/polyvinylpyrrolidone ultrafiltration membrane in presence of zwitterions molecules evaluation of filtration performances. Radiation Physics and Chemistry, 2019, 159, 101-110.	1.4	5
914	A homemade self-healing material utilized as multi-functional binder for long-lifespan lithium-sulfur batteries. Journal of Materials Science: Materials in Electronics, 2019, 30, 5536-5543.	1.1	11
915	A review of polymeric nanocomposite membranes for water purification. Journal of Industrial and Engineering Chemistry, 2019, 73, 19-46.	2.9	257
916	Membrane Emulsification in Pharmaceuticals and Biotechnology. , 2019, , 167-222.		3
917	A Study on the Conductive Particle Movements in Polyvinylidene Fluoride Anchoring Polymer Layer Anisotropic Conductive Films for 20- μm Fine-Pitch Interconnection. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 209-215.	1.4	2
918	Exploiting Fluoropolymers Immiscibility to Tune Surface Properties and Mass Transfer in Blend Membranes for Membrane Contactor Applications. ACS Applied Polymer Materials, 2019, 1, 326-334.	2.0	16
919	A modified, mussel-inspired method to fabricate polyvinylidene fluoride membranes filled with halloysite nanotubes modified with dopamine, iron oxide, and silane for oil-water separation. Journal of Plastic Film and Sheeting, 2019, 35, 260-280.	1.3	4
920	Surface wettability modification of poly(vinylidene fluoride) and copolymer films and membranes by plasma treatment. Polymer, 2019, 169, 138-147.	1.8	51
921	Effect of the Morphological Features of the Poly(vinylidene difluoride)-Based Gel Electrolytes on the Ionic Mobility for Lithium Secondary Batteries. Macromolecules, 2019, 52, 2112-2119.	2.2	14
922	Experimental Evaluation of the Thermal Polarization in Direct Contact Membrane Distillation Using Electrospun Nanofiber Membranes Doped With Molecular Probes. Molecules, 2019, 24, 638.	1.7	33
923	Surface modification of polyvinyl chloride by polyacrylic acid grafts a polyelectrolyte membrane using Ar plasma. Turkish Journal of Chemistry, 2019, 43, 1686-1696.	0.5	12
924	Treatment of Effluents from the Textile Industry through Polyethersulfone Membranes. Water (Switzerland), 2019, 11, 2540.	1.2	5
925	Improving Water Permeability of Hydrophilic PVDF Membrane Prepared via Blending with Organic and Inorganic Additives for Humic Acid Separation. Molecules, 2019, 24, 4099.	1.7	28
926	Mechanical and wear behaviour of poly(vinylidene fluoride)/clay nanocomposite. Journal of Materials Research and Technology, 2019, 8, 5874-5881.	2.6	25
927	Numerical study on mechanisms of soy protein as a functional modifier for polymer materials. Modelling and Simulation in Materials Science and Engineering, 2019, 27, 085010.	0.8	4
928	Superoleophobic micro-nanostructure surface formation of PVDF membranes by tannin and a condensed silane coupling agent. RSC Advances, 2019, 9, 32021-32026.	1.7	12

#	ARTICLE	IF	CITATIONS
929	Extractable impurities from fluoropolymer-based membrane filters – interference in high-throughput, untargeted analysis. <i>RSC Advances</i> , 2019, 9, 31918-31927.	1.7	7
930	Effect of different additives on the physicochemical properties and performance of NLDH/PVDF nanocomposite membrane. <i>Separation and Purification Technology</i> , 2019, 209, 921-935.	3.9	42
931	Hydrophilic modification of polyvinylidene fluoride membrane by blending amphiphilic copolymer via thermally induced phase separation. <i>Polymers for Advanced Technologies</i> , 2019, 30, 110-119.	1.6	27
932	Hybrid Processes: Membrane Bioreactor. , 2019, , 401-470.		9
933	Development of superhydrophobic textiles via polyvinylidene fluoride phase separation in one-step process. <i>Textile Research Journal</i> , 2019, 89, 2595-2603.	1.1	1
934	Preparation of antibacterial polyvinylidene fluoride (PVDF) ultrafiltration membranes with direct addition of <i>N</i> -halamine polymers. <i>Separation Science and Technology</i> , 2019, 54, 803-814.	1.3	5
935	The Stability of Polymers in Liquid Li-S Battery. <i>Journal of the Electrochemical Society</i> , 2019, 166, A5215-A5220.	1.3	13
936	Effect of ethanol in the coagulation bath on the structure and performance of PVDF-g-PEGMA/PVDF membrane. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47380.	1.3	20
937	Preparation and characterization of a novel high-flux emulsion polyvinyl chloride (EPVC) ultrafiltration membrane incorporated with boehmite nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 72, 144-156.	2.9	47
938	Facile Fabrication of High Performance Nanofiltration Membranes by Using Molecular Coordination Complexes as Pore-Forming Agents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2728-2738.	3.2	14
939	Investigation on the electrospun PVDF/NP-ZnO nanofibers for application in environmental energy harvesting. <i>Journal of Materials Research and Technology</i> , 2019, 8, 1608-1615.	2.6	47
940	Zwitterionic Nanofibrous Membranes with a Superior Antifouling Property for Gravity-Driven Crude Oil-in-Water Emulsion Separation. <i>Langmuir</i> , 2019, 35, 1682-1689.	1.6	56
941	A Highly Stable Separator from an Instantly Reformed Gel with Direct Post-Solidation for Long-Cycle High-Rate Lithium-Ion Batteries. <i>ChemSusChem</i> , 2019, 12, 908-914.	3.6	20
942	The effects of fluorocarbon special surfactant (FS-30) additive on the phase inversion, morphology and separation performance of poly(vinylidene fluoride) (PVDF) membranes. <i>Separation and Purification Technology</i> , 2019, 212, 619-631.	3.9	25
943	Incorporation of cross-linked poly(AA-co-ACMO) copolymer with pH responsive and hydrophilic properties to polysulfone ultrafiltration membrane for the mitigation of fouling behaviour. <i>Journal of Membrane Science</i> , 2019, 572, 184-197.	4.1	24
944	Tunable polarization components and electric field induced crystallization in polyvinylidene fluoride: A piezo polymer. <i>Polymer Crystallization</i> , 2019, 2, e10027.	0.5	3
945	A novel ion-imprinted membrane induced by amphiphilic block copolymer for selective separation of Pt(IV) from aqueous solutions. <i>Journal of Membrane Science</i> , 2019, 572, 428-441.	4.1	58
946	Explorations of combined nonsolvent and thermally induced phase separation (N-TIPS) method for fabricating novel PVDF hollow fiber membranes using mixed diluents. <i>Journal of Membrane Science</i> , 2019, 572, 210-222.	4.1	53

#	ARTICLE	IF	CITATIONS
947	Highly hydrophilic poly(vinylidene fluoride) ultrafiltration membranes modified by poly(N-acryloyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Journal of Membrane Science, 2019, 572, 453-463.	4.1	52
948	Nature-inspired polyphenol chemistry to fabricate halloysite nanotubes decorated PVDF membrane for the removal of wastewater. Separation and Purification Technology, 2019, 212, 326-336.	3.9	44
949	Design and synthesis of polymeric membranes using water-soluble pore formers: an overview. Polymer Bulletin, 2019, 76, 4879-4901.	1.7	35
950	Modification of poly(vinylidene fluoride) membranes with aluminum oxide nanowires and graphene oxide nanosheets for oil/water separation. Journal of Applied Polymer Science, 2019, 136, 47493.	1.3	18
951	High-selectivity membrane absorption process for recovery of ammonia with electrospun hollow fiber membrane. Separation and Purification Technology, 2019, 216, 136-146.	3.9	28
952	Cyclic stability improvement in a blended P(VdF-HFP)/P(BMA-AN-St)-based gel electrolyte by electrospinning for high voltage lithium ion batteries. Electrochimica Acta, 2019, 299, 45-54.	2.6	14
953	Power generation by PVDF-TrFE/graphene nanocomposite films. Composites Part B: Engineering, 2019, 164, 703-709.	5.9	48
954	Preparation and characterization of a novel hydrophilic PVDF/PVA/Al ₂ O ₃ nanocomposite membrane for removal of As(V) from aqueous solutions. Polymer Composites, 2019, 40, 2452-2461.	2.3	23
955	Efficient Welding of Silver Nanowires embedded in a Poly(vinylidene fluoride) Film for Robust Wearable Electronics. Advanced Materials Technologies, 2019, 4, 1800438.	3.0	14
956	Preparation and characterization of a unique low-cost microfiltration membrane from a technologically compatible poly(ethylene-co-methyl acrylate)/poly(vinylidene fluoride) blend for water filtration application. Journal of Applied Polymer Science, 2019, 136, 47218.	1.3	5
957	Dual-functionalization of polymeric membranes via cyclodextrin-based host-guest assembly for biofouling control. Journal of Membrane Science, 2019, 569, 124-136.	4.1	26
958	Deflection of coupled elasticity electrostatic bimorph PVDF material: theoretical, FEM and experimental verification. Microsystem Technologies, 2019, 25, 3235-3242.	1.2	26
959	A novel poly(arylene ether nitrile) ultrafiltration membrane for water purification and its antifouling property with in situ-generated SiO ₂ nanoparticles. High Performance Polymers, 2019, 31, 977-985.	0.8	6
960	Preparation of PVDF ultrafiltration membranes using PVA as pore surface hydrophilic modification agent with improved antifouling performance. Polymer Engineering and Science, 2019, 59, E384.	1.5	10
961	Light driven PVDF fibers based on photochromic nanosilica@naphthopyran fabricated by wet spinning. Applied Surface Science, 2019, 470, 951-958.	3.1	28
962	Preparation and performance of the novel PVDF ultrafiltration membranes blending with PVA modified SiO ₂ hydrophilic nanoparticles. Polymer Engineering and Science, 2019, 59, E412.	1.5	17
963	A novel photocatalytic membrane decorated with PDA/RGO/Ag ₃ PO ₄ for catalytic dye decomposition. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 563, 68-76.	2.3	56
964	Blend proton exchange membranes with high performance based on sulfonated poly(arylene ether) Tj ETQq1 1 0.784314 rgBT /Overlock 11	1.7	11

#	ARTICLE	IF	CITATIONS
965	Enhancement of energy harvesting capability using PVDF/GFRP-laminated films. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 2548-2562.	2.0	5
966	Oil-water emulsion separation using intrinsically superoleophilic and superhydrophobic PVDF membrane. <i>Separation and Purification Technology</i> , 2019, 212, 388-395.	3.9	66
967	Mitigation of HA, BSA and oil/water emulsion fouling of PVDF Ultrafiltration Membranes by SiO ₂ -g-PEGMA nanoparticles. <i>Journal of Water Process Engineering</i> , 2019, 30, 100603.	2.6	58
968	Atomically Thick Membranes for Water Purification and Blue Energy Harvesting. <i>Advanced Functional Materials</i> , 2020, 30, 1902394.	7.8	58
969	Synthesis of highly stable PTFE-ZrP-PVA composite membrane for high-temperature direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 7829-7837.	3.8	25
970	Fabrication of fibrous microfiltration membrane by pore filling of nanofibers into poly(ethylene terephthalate) (PET) membrane. <i>Journal of Membrane Science</i> , 2020, 593, 117458.	4.1	26
971	A polymer inclusion membrane functionalized by di(2-ethylhexyl) phosphinic acid with hierarchically ordered porous structure for Lutetium(III) transport. <i>Journal of Membrane Science</i> , 2020, 593, 117458.	4.1	26
972	Biomimetic dynamic membrane (BDM): Fabrication method and roles of carriers and laccase. <i>Chemosphere</i> , 2020, 240, 124882.	4.2	20
973	Direct deposition of two-dimensional MXene nanosheets on commercially available filter for fast and efficient dye removal. <i>Journal of Hazardous Materials</i> , 2020, 384, 121367.	6.5	102
974	Constructing zwitterionic polymer brush layer to enhance gravity-driven membrane performance by governing biofilm formation. <i>Water Research</i> , 2020, 168, 115181.	5.3	43
975	Preparation of re-entrant and anti-fouling PVDF composite membrane with omniphobicity for membrane distillation. <i>Journal of Membrane Science</i> , 2020, 595, 117563.	4.1	51
976	Effect and mechanism of an anionic surfactant on membrane performance during direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2020, 595, 117495.	4.1	50
977	Performance improvement for thin-film composite nanofiltration membranes prepared on PSf/PSf-g-PEG blended substrates. <i>Separation and Purification Technology</i> , 2020, 230, 115855.	3.9	39
978	Hydrophilic polymer-based membrane for oily wastewater treatment: A review. <i>Separation and Purification Technology</i> , 2020, 233, 116007.	3.9	279
979	Enhanced MPBR with polyvinylpyrrolidone-graphene oxide/PVDF hollow fiber membrane for efficient ammonia nitrogen wastewater treatment and high-density <i>Chlorella</i> cultivation. <i>Chemical Engineering Journal</i> , 2020, 379, 122368.	6.6	87
980	High-performance nanofiltration membrane for dyes removal: Blending Fe ₃ O ₄ -HNTs nanocomposites into poly(vinylidene fluoride) matrix. <i>Journal of Dispersion Science and Technology</i> , 2020, 42, 93-102.	1.3	10
981	Gradient crystallinity and its influence on the poly(vinylidene fluoride)/poly(methyl methacrylate) membrane derived by immersion precipitation method. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48677.	1.3	9
983	Removal of 1,2,4-trimethylbenzene from Water by Pervaporation Using Styrene-Butadiene-Styrene (SBS) Membrane Incorporated with Carbon Black Nanoparticles. <i>Polymer Engineering and Science</i> , 2020, 60, 257-266.	1.5	11

#	ARTICLE	IF	CITATIONS
984	Novel hydrophobic PVDF membranes prepared by nonsolvent induced phase separation for membrane distillation. <i>Journal of Membrane Science</i> , 2020, 596, 117575.	4.1	88
985	Improved antifouling and self-cleaning ability of PVDF ultrafiltration membrane grafted with polymer brushes for oily water treatment. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 83, 401-408.	2.9	33
986	In vivo degradation study of polyvinylidene fluoride/polybutylene succinate/modified organic montmorillonite nanocomposite films implanted in the gastrointestinal tract. <i>Polymer Degradation and Stability</i> , 2020, 172, 109058.	2.7	3
987	Zein/PVDF micro/nanofibers with improved mechanical property for oil adsorption. <i>Polymer</i> , 2020, 188, 122118.	1.8	19
988	Mussel-/diatom-inspired silicified membrane for high-efficiency water remediation. <i>Journal of Membrane Science</i> , 2020, 597, 117753.	4.1	48
989	Effect of membrane properties on tilted panel performance of microalgae biomass filtration for biofuel feedstock. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 120, 109666.	8.2	38
990	Polyvinylidene fluoride aerogel with high thermal stability and low thermal conductivity. <i>Materials Letters</i> , 2020, 259, 126890.	1.3	11
991	Biomass rhamnolipid modified poly(vinylidene fluoride) membrane with significantly improved surface hydrophilicity and enhanced antifouling performance. <i>Chemical Engineering Science</i> , 2020, 212, 115330.	1.9	11
992	First Exploration on a Poly(vinyl chloride) Ultrafiltration Membrane Prepared by Using the Sustainable Green Solvent PolarClean. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 91-101.	3.2	36
993	Application of β -Cyclodextrin-Modified/PVDF Blend Magnetic Membranes for Direct Metal Ions Removal from Wastewater. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 2692-2707.	1.9	7
994	Self-standing Substrates. <i>Engineering Materials</i> , 2020, , .	0.3	2
995	One-step fabrication of isotropic poly(vinylidene fluoride) membranes for direct contact membrane distillation (DCMD). <i>Desalination</i> , 2020, 477, 114265.	4.0	36
996	Fabrication and characterization of a high performance polyimide ultrafiltration membrane for dye removal. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 589-597.	5.0	87
997	Fouling resistance improvement with a new superhydrophobic electrospun PVDF membrane for seawater desalination. <i>Desalination</i> , 2020, 476, 114246.	4.0	42
998	Comparison of the performance of prepared pristine and TiO ₂ coated UF/NF membranes for two types of oil-in-water emulsion separation. <i>Chemosphere</i> , 2020, 244, 125386.	4.2	18
999	Modification of polyethersulfone ultrafiltration membrane using ultrasonic-assisted functionalized MoS ₂ for treatment of oil refinery wastewater. <i>Separation and Purification Technology</i> , 2020, 238, 116495.	3.9	50
1000	Development of Polyvinylidene Fluoride Membrane by Incorporating Bio-Based Ginger Extract as Additive. <i>Polymers</i> , 2020, 12, 2003.	2.0	31
1001	Electrospun hierarchical fibrous composite membrane for pomegranate juice concentration using osmotic membrane distillation. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104475.	3.3	18

#	ARTICLE	IF	CITATIONS
1002	A comprehensive computational study and simulation of innovative zwitterionic materials for enhanced poly (vinylidene fluoride) membrane hydrophilicity. Journal of Molecular Graphics and Modelling, 2020, 100, 107656.	1.3	16
1003	Polyhydroxyalkanoate (PHA) based microfiltration membranes: Tailoring the structure by the non-solvent induced phase separation (NIPS) process. Polymer, 2020, 204, 122813.	1.8	22
1004	Membranes for zinc-air batteries: Recent progress, challenges and perspectives. Journal of Power Sources, 2020, 475, 228689.	4.0	58
1005	Predicting the performance of polyvinylidene fluoride, polyethersulfone and polysulfone filtration membranes using machine learning. Journal of Materials Chemistry A, 2020, 8, 21862-21871.	5.2	33
1006	Synthesis and Characterization of Copolymer Poly(vinylidene fluoride)/Graphene Nanofiber. IOP Conference Series: Materials Science and Engineering, 2020, 833, 012079.	0.3	1
1007	Pervaporation separation of isopropylbenzene from water using four different polymeric membranes: Membrane preparation, modification, characterization, and performance evaluation. Journal of the Taiwan Institute of Chemical Engineers, 2020, 114, 67-80.	2.7	15
1008	Anti-fouling and permeable polyvinyl chloride nanofiltration membranes embedded by hydrophilic graphene quantum dots for dye wastewater treatment. Journal of Water Process Engineering, 2020, 38, 101652.	2.6	47
1009	Artificial neural network model for removal of copper ions from pollutant solutions by olives seeds powder. IOP Conference Series: Materials Science and Engineering, 2020, 870, 012097.	0.3	0
1010	New Antifouling and Antibacterial Membrane Material for Highly Selective Removal of Nitrate and Phosphate. Industrial & Engineering Chemistry Research, 2020, 59, 12114-12122.	1.8	7
1011	A Review on Oil/Water Mixture Separation Material. Industrial & Engineering Chemistry Research, 2020, 59, 14546-14568.	1.8	109
1012	Asymmetric Membranes: A Potential Scaffold for Wound Healing Applications. Symmetry, 2020, 12, 1100.	1.1	43
1013	Structure control of hydrophilized PVDF hollow-fiber membranes using amphiphilic copolymers: PMMA-co-P (HEMA-co-MEA). Journal of Membrane Science, 2020, 612, 118421.	4.1	9
1014	Mussel-inspired structure evolution customizing membrane interface hydrophilization. Journal of Membrane Science, 2020, 612, 118471.	4.1	40
1015	Fluoropolymers for oil/water membrane separation. , 2020, , 209-246.		4
1016	Effect of wetting agent on the dye filtration performance of ultrafiltration membrane. Water Science and Technology, 2020, 82, 577-586.	1.2	0
1017	Superwetable PVDF/PVDF- <i>g</i> -PEGMA Ultrafiltration Membranes. ACS Omega, 2020, 5, 23450-23459.	1.6	25
1018	Synthesis and performance of comb-shape poly(arylene ether sulfone) with flexible aliphatic brush. Polymer, 2020, 210, 122953.	1.8	4
1019	Impact of Residual Lithium on the Adoption of High-Nickel Layered Oxide Cathodes for Lithium-Ion Batteries. Chemistry of Materials, 2020, 32, 9479-9489.	3.2	81

#	ARTICLE	IF	CITATIONS
1020	Macrovoid-free high performance polybenzimidazole hollow fiber membranes for elevated temperature H ₂ /CO ₂ separations. International Journal of Hydrogen Energy, 2020, 45, 27331-27345.	3.8	13
1021	Fabrication of a PVDF membrane with tailored morphology and properties <i>via</i> exploring and computing its ternary phase diagram for wastewater treatment and gas separation applications. RSC Advances, 2020, 10, 40373-40383.	1.7	24
1022	Flexible PVDF based piezoelectric nanogenerators. Nano Energy, 2020, 78, 105251.	8.2	354
1023	Bioinspired dopamine modulating graphene oxide nanocomposite membrane interposed by super-hydrophilic UiO-66 with enhanced water permeability. Separation and Purification Technology, 2020, 253, 117552.	3.9	50
1024	Thermodynamics of Model P \pm MSAN/dPMMA Blend: A Combined Study by SANS, Ellipsometry, and Locally Correlated Lattice (LCL) Theory. Macromolecules, 2020, 53, 7084-7095.	2.2	5
1025	Tuning the Pore Structure of Poly(vinylidene fluoride) Membrane for Efficient Oil/Water Separation: A Novel Vapor-Induced Phase Separation Method Based on a Lower Critical Solution Temperature System. Industrial & Engineering Chemistry Research, 2020, 59, 14947-14959.	1.8	13
1026	Fabrication and Characterization of PVDF/UiO-66(Zr) Mixed Matrix Membrane on Non-Woven PET Support. Materials Science Forum, 2020, 1005, 108-115.	0.3	1
1027	Poly(vinylidene) fluoride membranes coated by heparin/collagen layer-by-layer, smart biomimetic approaches for mesenchymal stem cell culture. Materials Science and Engineering C, 2020, 117, 111281.	3.8	22
1028	Effects of modified SWCNT on the mechanical and thermal properties of PLA/PHB bio-composites. AIP Advances, 2020, 10, .	0.6	6
1029	â€˜Polycationâ€™ modified PVDF based antibacterial and antifouling membranes and â€˜point-of-use supportsâ€™ for sustainable and effective water decontamination. Journal of Water Process Engineering, 2020, 38, 101536.	2.6	14
1030	Selective separation of cobalt and nickel using a stable supported ionic liquid membrane. Separation and Purification Technology, 2020, 252, 117477.	3.9	35
1031	Highly Elastic Block Copolymer Binders for Silicon Anodes in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 38132-38139.	4.0	38
1032	Integration of PEGylated Polyaniline Nanocoatings with Multiple Plastic Substrates Generates Comparable Antifouling Performance. Langmuir, 2020, 36, 9114-9123.	1.6	9
1033	Influence of particle type and concentration on the ultrafiltration behavior of nanoparticle stabilized Pickering emulsions and suspensions. Separation and Purification Technology, 2020, 252, 117457.	3.9	12
1034	High-performance biocompatible nanobiocomposite artificial muscles based on ammonia-functionalized graphene nanoplateletsâ€™cellulose acetate combined with PVDF. Sensors and Actuators B: Chemical, 2020, 323, 128709.	4.0	20
1035	Innovation in membrane fabrication: Magnetic induced photocatalytic membrane. Journal of the Taiwan Institute of Chemical Engineers, 2020, 113, 372-395.	2.7	12
1036	<i>In Situ</i> Growth of Cationic Covalent Organic Frameworks (COFs) for Mixed Matrix Membranes with Enhanced Performances. Langmuir, 2020, 36, 10970-10978.	1.6	21
1037	Slippery liquidâ€™infused porous surface via thermally induced phase separation for enhanced corrosion protection. Journal of Polymer Science, 2020, 58, 3031-3041.	2.0	13

#	ARTICLE	IF	CITATIONS
1038	Effect of hydrophilic silica and dual coagulation bath on structural and mechanical properties of PVDF membrane for membrane distillation. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 495-504.	1.4	8
1039	Electrically Tuning Ultrafiltration Behavior for Efficient Water Purification. <i>Environmental Science & Technology</i> , 2020, 54, 11536-11545.	4.6	12
1040	Polymer Nanocomposite Ultrafiltration Membranes: The Influence of Polymeric Additive, Dispersion Quality and Particle Modification on the Integration of Zinc Oxide Nanoparticles into Polyvinylidene Difluoride Membranes. <i>Membranes</i> , 2020, 10, 197.	1.4	18
1041	Influence of hydrophilic/hydrophobic protic ionic liquids (PILs) on the poly(vinylidene fluoride) (PVDF-ionic liquid) membrane properties. <i>Journal of Materials Science</i> , 2020, 55, 16697-16717.	1.7	13
1042	Microwave assisted solvothermal synthesis of quasi cubic F doped TiO_2 nanostructures and its performance as dye sensitized solar cell photoanode. <i>International Journal of Energy Research</i> , 2021, 45, 17259-17268.	2.2	17
1043	Graphene-PSS-DOPA nanocomposite cation exchange membranes for electro dialysis desalination. <i>Environmental Science: Nano</i> , 2020, 7, 3108-3123.	2.2	8
1044	Respiration Signal Extraction From Pulse Wave Collected by PVDF Sensor. <i>IEEE Access</i> , 2020, 8, 149878-149886.	2.6	10
1045	Precipitation-Printed High- $\hat{\nu}^2$ Phase Poly(vinylidene fluoride) for Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 58072-58081.	4.0	36
1046	Impacts of Sulfuric Acid on the Stability and Separation Performance of Polymeric PVDF-Based Membranes at Mild and High Concentrations: An Experimental Study. <i>Membranes</i> , 2020, 10, 375.	1.4	9
1047	Recent Advances in Molecularly Imprinted Membranes for Sample Treatment and Separation. <i>Separations</i> , 2020, 7, 69.	1.1	19
1048	Antifouling PVDF Membrane by Surface Covalently Anchoring Functionalized Graphene Quantum Dots. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 20168-20180.	1.8	12
1049	Preparation of polyvinylidene fluoride/modified attapulgite composite ultrafiltration membrane. <i>Polymers for Advanced Technologies</i> , 2020, 31, 2051-2057.	1.6	3
1050	Towards permanent hydrophilic PVDF membranes. Amphiphilic PVDF-b-PEG-b-PVDF triblock copolymer as membrane additive. <i>European Polymer Journal</i> , 2020, 131, 109708.	2.6	32
1051	Polyvinylidene Fluoride and Titanium Dioxide Ultrafiltration Photocatalytic Membrane: Fabrication, Morphology, and Its Application in Textile Wastewater Treatment. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, .	0.7	16
1052	Sustainable photocatalytic water remediation via dual active strongly coupled AgBiO ₃ on PVDF/PBSA membranes. <i>Chemical Engineering Journal</i> , 2020, 394, 124777.	6.6	41
1053	Macrovoid-Inhibited PVDF Hollow Fiber Membranes via Spinning Process Delay for Direct Contact Membrane Distillation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28655-28668.	4.0	15
1054	A review of oily wastewater treatment using ultrafiltration membrane: A parametric study to enhance the membrane performance. <i>Journal of Water Process Engineering</i> , 2020, 36, 101289.	2.6	114
1055	The design of a unit sweeping gas membrane distillation: experimental study on a membrane and operating parameters. <i>Applied Water Science</i> , 2020, 10, 1.	2.8	11

#	ARTICLE	IF	CITATIONS
1056	Selective oxidation of benzene to phenol using functionalized membrane via Fenton-like process. Journal of Membrane Science, 2020, 611, 118230.	4.1	4
1057	Ensemble Learning-Based Technique for Force Classifications in Piezoelectric Touch Panels. IEEE Sensors Journal, 2020, , 1-1.	2.4	3
1058	Flow synthesis of polycrystalline ZIF-8 membranes on polyvinylidene fluoride hollow fibers for recovery of hydrogen and propylene. Journal of Industrial and Engineering Chemistry, 2020, 88, 319-327.	2.9	12
1059	Facile fabrication of photochromic microspheres with multimodal hierarchically porous for selective extraction of lithium ions. Materials Letters, 2020, 270, 127670.	1.3	1
1060	Controlling spherulitic structures at surface and sub-layer of hollow fiber membranes prepared using nucleation agents via triple-orifice spinneret in TIPS process. Journal of Membrane Science, 2020, 609, 118229.	4.1	12
1061	Permanent Antimicrobial Poly(vinylidene fluoride) Prepared by Chemical Bonding with Poly(hexamethylene guanidine). ACS Omega, 2020, 5, 10481-10488.	1.6	15
1062	Fused filament fabrication of polymer composites for extreme environments. Journal of Materials Research, 2020, 35, 1493-1503.	1.2	5
1063	Multilevel mineral-coated imprinted nanocomposite membranes for template-dependent recognition and separation: A well-designed strategy with PDA/CaCO ₃ -based loading structure. Journal of Colloid and Interface Science, 2020, 575, 356-366.	5.0	19
1064	Flexible Superhydrophobic Metal-Based Carbon Nanotube Membrane for Electrochemically Enhanced Water Treatment. Environmental Science & Technology, 2020, 54, 9074-9082.	4.6	65
1065	Kinetic modeling and simulation of non-solvent induced phase separation: Immersion precipitation of PVC-based casting solution in a finite salt coagulation bath. Polymer, 2020, 199, 122527.	1.8	23
1066	Polyvinylidene fluoride membrane functionalized with zero valent iron for highly efficient degradation of organic contaminants. Separation and Purification Technology, 2020, 250, 117266.	3.9	60
1067	Enhancement of Industrial Effluents Quality by Using Nanocomposite Mg/Al LDH Ultrafiltration Membranes. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 5244-5260.	1.9	25
1068	Functionalized electrospun nanofiber membranes for water treatment: A review. Science of the Total Environment, 2020, 739, 139944.	3.9	150
1069	Dopamine triggered one step polymerization and codeposition of reactive surfactant on PES membrane surface for antifouling modification. Separation and Purification Technology, 2020, 249, 117148.	3.9	34
1070	Fabrication and Characterization of Meltblown Poly(vinylidene difluoride) Membranes. ACS Applied Polymer Materials, 2020, 2, 2849-2857.	2.0	23
1071	Ag ₂ CO ₃ @LiO-66-NH ₂ embedding graphene oxide sheets photocatalytic membrane for enhancing the removal performance of Cr(VI) and dyes based on filtration. Desalination, 2020, 491, 114558.	4.0	77
1072	<sc>Poly(vinylidene fluoride) (PVDF)</sc></sc>PVDF<i>g</i><sc>polyvinylpyrrolidone (PVP)</sc></sc>TiO₂</sc></sc> mixed matrix nanofiltration membranes: preparation and characterization. Polymer International, 2020, 69, 1187-1195.	1.6	30
1073	Synthetic polymer-based membranes for lithium-ion batteries. , 2020, , 383-415.		1

#	ARTICLE	IF	CITATIONS
1074	Low Temperature Adhesive Bonding-Based Fabrication of an Air-Borne Flexible Piezoelectric Micromachined Ultrasonic Transducer. <i>Sensors</i> , 2020, 20, 3333.	2.1	16
1075	Preparation and antifouling performance of PVDF-DCOIT composite hollow fiber membranes. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 497-504.	1.2	1
1076	Simultaneous amphiphilic polymer synthesis and membrane functionalization for oil/water separation. <i>Journal of Membrane Science</i> , 2020, 604, 118069.	4.1	12
1077	Fabrication of zeolite NaX-doped electrospun porous fiber membrane for simultaneous ammonium recovery and organic carbon enrichment. <i>Journal of Membrane Science</i> , 2020, 603, 118030.	4.1	6
1078	Electrospinning: A Powerful Tool to Improve the Corrosion Resistance of Metallic Surfaces Using Nanofibrous Coatings. <i>Metals</i> , 2020, 10, 350.	1.0	33
1079	Membrane distillation: Progress in the improvement of dedicated membranes for enhanced hydrophobicity and desalination performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 86, 13-34.	2.9	64
1080	Performance evaluation of the different nano-enhanced polysulfone membranes via membrane distillation for produced water desalination in Sert Basin-Libya. <i>Arabian Journal of Chemistry</i> , 2020, 13, 5118-5136.	2.3	10
1081	Fabrication of a Bi ₂ O ₃ Surface-Modified Polyvinylidene Fluoride Membrane via an Ultraviolet Photografting Method: Improving Hydrophilicity and Degree of Acrylic Acid Grafting. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6580-6588.	1.8	7
1082	Synergistic effects of stretching/polarization temperature and electric field on phase transformation and piezoelectric properties of polyvinylidene fluoride nanofilms. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	5
1083	Mussel-inspired polydopamine modification of polymeric membranes for the application of water and wastewater treatment: A review. <i>Chemical Engineering Research and Design</i> , 2020, 157, 195-214.	2.7	87
1084	Polymeric Membranes Incorporated With ZnO Nanoparticles for Membrane Fouling Mitigation: A Brief Review. <i>Frontiers in Chemistry</i> , 2020, 8, 224.	1.8	74
1085	Effects of Room Temperature Stretching and Annealing on the Crystallization Behavior and Performance of Polyvinylidene Fluoride Hollow Fiber Membranes. <i>Membranes</i> , 2020, 10, 38.	1.4	9
1086	A Facile Approach for Elimination of Electroneutral/Anionic Organic Dyes from Water Using a Developed Carbon-Based Polymer Nanocomposite Membrane. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	15
1087	Photocatalytic membrane filtration and its advantages over conventional approaches in the treatment of oily wastewater: A review. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2533.	0.8	48
1088	A novel strategy based on magnetic field assisted preparation of magnetic and photocatalytic membranes with improved performance. <i>Journal of Membrane Science</i> , 2020, 612, 118378.	4.1	90
1089	Cupric phosphate mineralized polymer membrane with superior cycle stability for oil/water emulsion separation. <i>Journal of Membrane Science</i> , 2020, 612, 118427.	4.1	56
1090	Amino- and Sulfonate-Functionalized Metal-Organic Framework for Fabrication of Proton Exchange Membranes with Improved Proton Conductivity. <i>Crystal Growth and Design</i> , 2020, 20, 5557-5563.	1.4	37
1091	High-performance chlorinated polyvinyl chloride ultrafiltration membranes prepared by compound additives regulated non-solvent induced phase separation. <i>Journal of Membrane Science</i> , 2020, 612, 118434.	4.1	30

#	ARTICLE	IF	CITATIONS
1092	Application of PVDF/HDTMA-modified clinoptilolite nanocomposite membranes in removal of reactive dye from aqueous solution. <i>Separation and Purification Technology</i> , 2020, 251, 117294.	3.9	33
1093	Functional catalytic membrane development: A review of catalyst coating techniques. <i>Advances in Colloid and Interface Science</i> , 2020, 282, 102207.	7.0	72
1094	Synthesis of patterned PVDF ultrafiltration membranes: Spray-modified non-solvent induced phase separation. <i>Journal of Membrane Science</i> , 2020, 612, 118383.	4.1	53
1095	Preparation of polyamide/PVDF composite hollow fiber membranes with well-developed interconnected bicontinuous structure using high-temperature rapid NIPS for forward osmosis. <i>Journal of Membrane Science</i> , 2020, 612, 118468.	4.1	22
1096	Nitrogen-doped reduced graphene oxide/PVDF nanocomposite membrane for persulfate activation and degradation of water organic micropollutants. <i>Chemical Engineering Journal</i> , 2020, 402, 126117.	6.6	59
1097	Perfluoro-functionalized polyethyleneimine that enhances antifouling property of nanofiltration membranes. <i>Journal of Membrane Science</i> , 2020, 611, 118286.	4.1	41
1098	Advanced ceramic components: Materials, fabrication, and applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 85, 34-65.	2.9	148
1099	Dynamics of phase separation of sheared inertialess binary mixtures. <i>Physics of Fluids</i> , 2020, 32, .	1.6	11
1100	Effect of solvent on the energy storage property of poly(vinylidene fluoride-hexafluoropropylene). <i>Materials Research Express</i> , 2020, 7, 015323.	0.8	3
1101	Preparation of hydrophobic PVDF/PVC/nano-graphite composite membrane and its self-cleaning properties. <i>Materials Research Express</i> , 2020, 7, 026407.	0.8	5
1102	Polyphenol-Sensitized Atomic Layer Deposition for Membrane Interface Hydrophilization. <i>Advanced Functional Materials</i> , 2020, 30, 1910062.	7.8	70
1103	Effect of nanoboehmite/poly(ethylene glycol) on the performance and physiochemical attributes EPVC nano-composite membranes in protein separation. <i>Chemical Engineering Research and Design</i> , 2020, 156, 371-383.	2.7	16
1104	Sustainable approach to the synthesis of cellulose membrane from oil palm empty fruit bunch for dye wastewater treatment. <i>Journal of Water Process Engineering</i> , 2020, 34, 101182.	2.6	23
1105	Spin-coated polyvinylidene fluoride/graphene nanocomposite thin films with improved β -phase content and electrical conductivity. <i>Journal of Materials Science</i> , 2020, 55, 6696-6707.	1.7	14
1106	Self-healing biomimetic microvascular containing oily rejuvenator for prolonging life of bitumen. , 2020, , 197-248.		2
1107	Photocatalytic and antimicrobial multifunctional nanocomposite membranes for emerging pollutants water treatment applications. <i>Chemosphere</i> , 2020, 250, 126299.	4.2	95
1108	Fabrication of hyperbranched polyether demulsifier modified PVDF membrane for demulsification and separation of oil-in-water emulsion. <i>Journal of Membrane Science</i> , 2020, 602, 117974.	4.1	70
1109	Inkjet printing assisted fabrication of polyphenol-based coating membranes for oil/water separation. <i>Chemosphere</i> , 2020, 250, 126236.	4.2	71

#	ARTICLE	IF	CITATIONS
1110	Effect of different PVDF and additives on the properties of hollow fiber membranes contactors for CO ₂ separation. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49013.	1.3	3
1111	Degradable piezoelectric biomaterials for wearable and implantable bioelectronics. <i>Current Opinion in Solid State and Materials Science</i> , 2020, 24, 100806.	5.6	87
1112	Surface-modified PVA/PVDF hollow fiber composite membrane for air dehumidification. <i>Journal of Materials Science</i> , 2020, 55, 5415-5430.	1.7	33
1113	Glowing kaolinite intercalated with N-Methyl imidazole and Eu ³⁺ /Tb ³⁺ salts and potential application in UV-to-red light conversion. <i>Applied Clay Science</i> , 2020, 186, 105473.	2.6	5
1114	A novel slippery surface with enhanced stability and corrosion resistance. <i>Progress in Organic Coatings</i> , 2020, 142, 105563.	1.9	18
1115	The microstructure regulation, strengthening, toughening and hydrophilicity of polyamide6 in fabricating poly(vinylidene fluoride)-based flat membrane via the thermally induced phase separation technique. <i>European Polymer Journal</i> , 2020, 126, 109568.	2.6	23
1116	Advanced porous polymer membranes from self-assembling block copolymers. <i>Progress in Polymer Science</i> , 2020, 102, 101219.	11.8	119
1117	Ethanol-induced one-step fabrication of superhydrophobic-superoleophilic poly(vinylidene fluoride) membrane for efficient oil/water emulsions separation. <i>Journal of Water Process Engineering</i> , 2020, 34, 101121.	2.6	21
1118	Recent progress and future prospects in development of advanced materials for nanofiltration. <i>Materials Today Communications</i> , 2020, 23, 100888.	0.9	51
1119	Flexible and stretchable dual mode nanogenerator for rehabilitation monitoring and information interaction. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3647-3654.	2.9	47
1120	A novel angle extremum maximum method for recognition of pulse wave feature points. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 189, 105321.	2.6	8
1121	Co-based and Cu-based MOFs modified separators to strengthen the kinetics of redox reaction and inhibit lithium-dendrite for long-life lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2020, 388, 124241.	6.6	80
1122	Positron annihilation lifetime spectroscopy study of polyvinylpyrrolidone-added polyvinylidene fluoride membranes: Investigation of free volume and permeation relationships. <i>Journal of Polymer Science</i> , 2020, 58, 589-598.	2.0	4
1123	Design and Construction of Ag@MOFs Immobilized PVDF Ultrafiltration Membranes with Anti-bacterial and Antifouling Properties. <i>Advances in Polymer Technology</i> , 2020, 2020, 1-11.	0.8	14
1124	Ultrasonication favors TiO ₂ nano-particles dispersion in PVDF ultrafiltration membrane to effectively enhance membrane hydrophilicity and anti-fouling capability. <i>Environmental Science and Pollution Research</i> , 2020, 27, 9503-9519.	2.7	8
1125	Membranes based on non-synthetic (natural) polymers for wastewater treatment. <i>Polymer Testing</i> , 2020, 84, 106381.	2.3	72
1126	Comb-shaped amphiphilic triblock copolymers blend PVDF membranes overcome the permeability-selectivity trade-off for protein separation. <i>Separation and Purification Technology</i> , 2020, 239, 116596.	3.9	38
1127	Fouling resistance of 3-[[3-(trimethoxysilane)-propyl] amino] propane-1-sulfonic acid zwitterion modified poly(vinylidene fluoride) membranes. <i>Separation and Purification Technology</i> , 2020, 239, 116589.	3.9	20

#	ARTICLE	IF	CITATIONS
1128	Carboxylated Nanodiamond-Enhanced Photocatalytic Membranes with Improved Antifouling and Self-Cleaning Properties. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 3538-3549.	1.8	34
1129	Characterization of Crystal Microstructure Based on Small Angle X-ray Scattering (SAXS) Technique. <i>Molecules</i> , 2020, 25, 443.	1.7	16
1130	Effect of Green Solvents in the Production of PVDF-Specific Polymorphs. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5267-5275.	1.8	18
1131	pH-Dependent thermoresponsive poly[2-(diethylamino)ethyl acrylamide]-grafted PVDF membranes with switchable wettability for efficient emulsion separation. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49032.	1.3	15
1132	Preparation of antibiofouling nanocomposite PVDF/Ag-SiO ₂ membrane and long-term performance evaluation in the MBR system fed by real pharmaceutical wastewater. <i>Separation and Purification Technology</i> , 2020, 249, 116938.	3.9	69
1133	Hydrothermal carbon nanospheres assisted-fabrication of PVDF ultrafiltration membranes with improved hydrophilicity and antifouling performance. <i>Separation and Purification Technology</i> , 2020, 247, 116889.	3.9	35
1134	Revealing the Dissolution Mechanism of Polyvinylidene Fluoride of Spent Lithium-Ion Batteries in Waste Oil-Based Methyl Ester Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7489-7496.	3.2	40
1135	Spectrophotometric Determination of Trace Heavy Metal Ions in Water with the Assistance of Electrospun Nanofiber Membrane Extraction and Chemometrics Calculation. <i>Journal of Applied Spectroscopy</i> , 2020, 87, 174-179.	0.3	1
1136	Sponge-like Al/PVDF films with laser sensitivity and high combustion performance prepared by rapid phase inversion. <i>Chemical Engineering Journal</i> , 2020, 396, 124962.	6.6	35
1137	Graphene oxide-polyethylene glycol incorporated PVDF nanocomposite ultrafiltration membrane with enhanced hydrophilicity, permeability, and antifouling performance. <i>Chemosphere</i> , 2020, 253, 126649.	4.2	56
1138	Preparation of Fe ₃ O ₄ @TiO ₂ blended PVDF membrane by magnetic coagulation bath and its permeability and pollution resistance. <i>Journal of Materials Research and Technology</i> , 2020, 9, 4951-4967.	2.6	21
1139	Facile preparation of superhydrophobic PVDF microporous membranes with excellent anti-fouling ability for vacuum membrane distillation. <i>Journal of Membrane Science</i> , 2020, 605, 118106.	4.1	36
1140	Self-cleaning, antimicrobial, and antifouling membrane via integrating mesoporous graphitic carbon nitride into polyvinylidene fluoride. <i>Journal of Membrane Science</i> , 2020, 606, 118146.	4.1	44
1141	Enhanced Oil Adsorption and Nano-Emulsion Separation of Nanofibrous Aerogels by Coordination of Pomelo Peel-Derived Biochar. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 8825-8835.	1.8	38
1142	Graphene oxide modified membrane for highly efficient wastewater treatment by dynamic combination of nanofiltration and catalysis. <i>Journal of Hazardous Materials</i> , 2020, 397, 122774.	6.5	67
1143	Improving the hydrophilicity of polyethersulfone membrane by the combination of grafting technology and reverse thermally induced phase separation method. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49327.	1.3	10
1144	Acid-Doped Hydrogel Electrolytes for Electrocatalyst Interfaces. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2046-2054.	2.0	7
1145	Forward Osmosis: A Critical Review. <i>Processes</i> , 2020, 8, 404.	1.3	54

#	ARTICLE	IF	CITATIONS
1146	Application of functional single-element and double-element oxide nanoparticles for the development of nanocomposite membranes. , 2020, , 113-144.		2
1147	A fouling-resistant mixed-matrix nanofiltration membrane based on covalently cross-linked Ti ₃ C ₂ TX (MXene)/cellulose acetate. Journal of Membrane Science, 2020, 607, 118139.	4.1	101
1148	Thermally Stable Poly(vinylidene fluoride) for High-Performance Printable Piezoelectric Devices. ACS Applied Materials & Interfaces, 2020, 12, 21871-21882.	4.0	34
1149	Sulfonated poly($\hat{1}$, $\hat{1}$, $\hat{2}$ -trifluorostyrene)-doped PVDF ultrafiltration membrane with enhanced hydrophilicity and antifouling property. Journal of Membrane Science, 2020, 603, 118046.	4.1	14
1150	Properties of PVDF films stretched in machine direction. Polymers and Polymer Composites, 2021, 29, 198-206.	1.0	7
1151	Enlargement of oil droplets by using asymmetric structure of polyvinylidene fluoride membranes. Chemical Engineering Communications, 2021, 208, 549-563.	1.5	3
1152	Enhancement of solvent uptake in porous PVDF nanofibers derived by a water-mediated electrospinning technique. Journal of Materiomics, 2021, 7, 244-253.	2.8	10
1153	Characterization and application of Ca ²⁺ -TiO ₂ doped cellulose acetate nanocomposite film for removal of Reactive Red-195. Chemical Engineering Communications, 2021, 208, 304-317.	1.5	14
1154	Synergistic interaction of Z-scheme 2D/3D g-C ₃ N ₄ /BiOI heterojunction and porous PVDF membrane for greatly improving the photodegradation efficiency of tetracycline. Journal of Colloid and Interface Science, 2021, 586, 335-348.	5.0	77
1155	Interfacial coordination mediated surface segregation of halloysite nanotubes to construct a high-flux antifouling membrane for oil-water emulsion separation. Journal of Membrane Science, 2021, 620, 118828.	4.1	52
1156	Boosting oxygen reduction and permeability properties of doped iron-porphyrin membrane cathode in microbial fuel cells. Bioresource Technology, 2021, 320, 124343.	4.8	6
1157	Electrospun PVDF-Ag@AgCl porous fiber membrane: stable antifoul and antibacterial surface. Surface Innovations, 2021, 9, 156-165.	1.4	18
1158	A novel strategy for enhancing the performance of membranes for dyes separation: Embedding PAA@UiO-66-NH ₂ between graphene oxide sheets. Chemical Engineering Journal, 2021, 403, 126281.	6.6	130
1159	Antifouling and antibacterial behavior of membranes containing quaternary ammonium and zwitterionic polymers. Journal of Colloid and Interface Science, 2021, 584, 225-235.	5.0	95
1160	Fabrication of a novel underwater-superoleophobic/hydrophobic composite membrane for robust anti-oil-fouling membrane distillation by the facile breath figures templating method. Journal of Membrane Science, 2021, 617, 118666.	4.1	31
1161	Uncovering the effects of PEG porogen molecular weight and concentration on ultrafiltration membrane properties and protein purification performance. Journal of Membrane Science, 2021, 618, 118729.	4.1	38
1162	Crosslinked PVDF based hydrophilic-hydrophobic dual-layer hollow fiber membranes for direct contact membrane distillation desalination: from the seawater to oilfield produced water. Journal of Membrane Science, 2021, 619, 118802.	4.1	33
1163	Photocatalytic-membrane technology: a critical review for membrane fouling mitigation. Journal of Industrial and Engineering Chemistry, 2021, 93, 101-116.	2.9	106

#	ARTICLE	IF	CITATIONS
1164	Phosphorus removal from diluted wastewaters using a La/C nanocomposite-doped membrane with adsorption-filtration dual functions. <i>Chemical Engineering Journal</i> , 2021, 405, 126924.	6.6	45
1165	Recent developments in membrane technology for the elimination of ammonia from wastewater: A review. <i>Polymer Bulletin</i> , 2021, 78, 5399-5425.	1.7	16
1166	High electrochemical stability of polyvinylidene fluoride (PVDF) porous membranes using phase inversion methods for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 651-657.	1.2	15
1167	Superstretchable, thermostable and ultrahigh-loading lithium-sulfur batteries based on nanostructural gel cathodes and gel electrolytes. <i>Nano Energy</i> , 2021, 80, 105510.	8.2	51
1168	Phenolphthalein polyethersulfone bearing carboxyl groups: Synthesis and its separation-membrane applications. <i>High Performance Polymers</i> , 2021, 33, 245-254.	0.8	5
1169	Modifying ceramic membranes with in situ grown iron oxide nanoparticles and their use for oily water treatment. <i>Journal of Membrane Science</i> , 2021, 617, 118641.	4.1	23
1170	Development of tree-like nanofibrous air filter with durable antibacterial property. <i>Separation and Purification Technology</i> , 2021, 259, 118135.	3.9	50
1171	Fabrication of highly permeable PVDF loose nanofiltration composite membranes for the effective separation of dye/salt mixtures. <i>Journal of Membrane Science</i> , 2021, 621, 118951.	4.1	66
1172	Solvent-free green fabrication of PVDF hollow fiber MF membranes with controlled pore structure via melt-spinning and stretching. <i>Journal of Membrane Science</i> , 2021, 621, 118953.	4.1	30
1173	Anti-biofouling microfiltration membranes based on 1-vinyl-3-butylimidazolium chloride grafted PVDF with improved bactericidal properties and vitro biocompatibility. <i>Materials Science and Engineering C</i> , 2021, 118, 111411.	3.8	15
1174	Blending modification to porous polyvinylidene fluoride (PVDF) membranes prepared via combined crystallisation and diffusion (CCD) technique. <i>Journal of Membrane Science</i> , 2021, 618, 118708.	4.1	23
1175	Morphology and water flux of produced cellulose acetate membranes reinforced by the design of experiments (DOE). <i>Carbohydrate Polymers</i> , 2021, 254, 117407.	5.1	18
1176	A review of membrane crystallization, forward osmosis and membrane capacitive deionization for liquid mining. <i>Resources, Conservation and Recycling</i> , 2021, 168, 105273.	5.3	41
1177	Functionalized porous filtration media for gravity-driven filtration: Reviewing a new emerging approach for oil and water emulsions separation. <i>Separation and Purification Technology</i> , 2021, 259, 117983.	3.9	49
1178	Pre-chlorination effects on fouling during microfiltration of secondary municipal wastewater effluent. <i>Journal of Membrane Science</i> , 2021, 620, 118969.	4.1	11
1179	Modified polyvinylidene fluoride ultrafiltration membrane coated with polydopamine/(2,3-epoxypropoxy) propyl triethoxy silane. <i>Polymers for Advanced Technologies</i> , 2021, 32, 1597-1603.	1.6	2
1180	PTFE-assisted immobilization of Pluronic F127 in PVDF hollow fiber membranes with enhanced hydrophilicity through nonsolvent-thermally induced phase separation method. <i>Journal of Membrane Science</i> , 2021, 620, 118914.	4.1	18
1181	Three-layered hollow fiber (HF) membrane and its modification to enhance wetting resistance for membrane distillation (MD). <i>Environmental Technology and Innovation</i> , 2021, 21, 101227.	3.0	3

#	ARTICLE	IF	CITATIONS
1182	Engineering multistructure poly(vinylidene fluoride) membranes modified by polydopamine to achieve superhydrophilicity, excellent permeability, and antifouling properties. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2607.	0.8	3
1183	Membrane Crystallization for Process Intensification and Control: A Review. Engineering, 2021, 7, 50-62.	3.2	45
1184	A modified TA-APTES coating: Endowing porous membranes with uniform, durable superhydrophilicity and outstanding anti-crude oil-adhesion property via one-step process. Journal of Membrane Science, 2021, 618, 118703.	4.1	56
1185	PVDF fiber membrane with ordered porous structure via 3D printing near field electrospinning. Journal of Membrane Science, 2021, 618, 118709.	4.1	31
1186	The recent research progress and prospect of gel polymer electrolytes in lithium-sulfur batteries. Chemical Engineering Journal, 2021, 413, 127427.	6.6	69
1187	Diethylenetriaminepentaacetic acid-functionalized multi-walled carbon nanotubes/titanium oxide-PVDF nanofiber membrane for effective separation of oil/water emulsion. Separation and Purification Technology, 2021, 257, 117926.	3.9	52
1188	Application of Mg-Al LDH nanoparticles to enhance flux, hydrophilicity and antifouling properties of PVDF ultrafiltration membrane: Experimental and modeling studies. Separation and Purification Technology, 2021, 257, 117931.	3.9	43
1189	Novel microwave-driven synthesis of hydrophilic polyvinylidene fluoride/polyacrylic acid (PVDF/PAA) membranes and decoration with nano zero-valent-iron (nZVI) for water treatment applications. Journal of Membrane Science, 2021, 620, 118817.	4.1	28
1190	Polyvinylidene fluoride nanofibers obtained by electrospinning and blowspinning: Electrospinning enhances the piezoelectric P_r phase "myth or reality?". Journal of Applied Polymer Science, 2021, 138, 49959.	1.3	7
1191	Cellulose acetate and polyvinylidene fluoride nanofiber mats for N95 respirators. Journal of Industrial Textiles, 2021, 50, 1239-1261.	1.1	32
1192	Piezo-active composite systems based on porous polyvinylidene fluoride films and conducting polymer layers as electrodes. Physics of Complex Systems, 2021, 2, 25-32.	0.2	1
1193	Nanomembranes for ultrapurification and water treatment. , 2021, , 657-691.		4
1194	Aging retardation strategy of PVDF membranes: evaluation of free radical scavenging effect of nano-particles. New Journal of Chemistry, 2021, 45, 6108-6119.	1.4	5
1195	Impact of cleaning agents on properties of tubular polyvinylidene fluoride (PVDF) membrane. Materials Today: Proceedings, 2021, 47, 1466-1471.	0.9	2
1196	Recovery of viable ammonia-nitrogen products from agricultural slaughterhouse wastewater by membrane contactors: a review. Environmental Science: Water Research and Technology, 2021, 7, 259-273.	1.2	23
1197	Fundamentals of nonsolvent-induced phase separation. , 2021, , 13-56.		10
1198	Efficient under visible catalysts from electrospun flexible Ag ₂ S/TiO ₂ composite fiber membrane. Journal of Materials Science, 2021, 56, 7966-7981.	1.7	7
1199	Nanometals-Containing Polymeric Membranes for Purification Processes. Materials, 2021, 14, 513.	1.3	16

#	ARTICLE	IF	CITATIONS
1200	Recent Advances in the Rejection of Endocrine-Disrupting Compounds from Water Using Membrane and Membrane Bioreactor Technologies: A Review. <i>Polymers</i> , 2021, 13, 392.	2.0	38
1201	A review on soft materials utilized for the manufacturing of soft robots. <i>Materials Today: Proceedings</i> , 2021, 46, 11177-11181.	0.9	13
1202	High-performance PVDF membranes prepared by the combined crystallisation and diffusion (CCD) method using a dual-casting technique: a breakthrough for water treatment applications. <i>Energy and Environmental Science</i> , 2021, 14, 5491-5500.	15.6	19
1203	<i>In situ</i> chemical oxidation: peroxide or persulfate coupled with membrane technology for wastewater treatment. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11944-11960.	5.2	69
1204	Performance Optimization. , 2021, , 109-154.		0
1205	Use of biodegradable polymer for development of environmental tracers: a bibliometric review. <i>Polimeros</i> , 2021, 31, .	0.2	0
1206	Polymeric Nanocomposite Membranes for Water Filtration. <i>Advanced Sciences and Technologies for Security Applications</i> , 2021, , 161-195.	0.4	0
1207	Antibacterial Properties of Plasma-Activated Perfluorinated Substrates with Silver Nanoclusters Deposition. <i>Nanomaterials</i> , 2021, 11, 182.	1.9	10
1208	Polymer nanocomposite membranes for wastewater treatment. , 2021, , 605-672.		0
1209	Recent advances in membrane hydrophilic modification with plant polyphenolâ€inspired coatings for enhanced oily emulsion separation. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50587.	1.3	18
1210	Fabrication of inâ€situ polymerized LiO/PVDF supramolecular membranes with high antiâ€fouling performance. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50519.	1.3	8
1211	Synergetic effects of organic and inorganic additives on improvement in hydrophilicity and performance of PVDF antifouling ultrafiltration membrane for removal of natural organic material from water. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50568.	1.3	7
1212	Filtration performance of polyethersulfone (PES) composite membrane incorporated with organic and inorganic additives. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1087, 012049.	0.3	0
1213	Protic ionic liquids/poly(vinylidene fluoride) composite membranes for fuel cell application. <i>Journal of Energy Chemistry</i> , 2021, 53, 197-207.	7.1	40
1214	Effects of annealing time on physical and mechanical properties of PVDF microporous membranes by a melt extrusionâ€stretching process. <i>Polymers for Advanced Technologies</i> , 2021, 32, 2397-2408.	1.6	12
1215	How physicochemical properties of filtration membranes impact peptide migration and selectivity during electrodialysis with filtration membranes: Development of predictive statistical models and understanding of mechanisms involved. <i>Journal of Membrane Science</i> , 2021, 619, 118175.	4.1	12
1216	Characterization of polyethersulfone (PES) membrane entrapping with ginger extract (GE) as a green additive. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1087, 012050.	0.3	0
1217	In situ investigation of formation kinetics of microporous structure in PVDF thin films prepared via thermallyâ€induced phase separation (TIPS): Effects of â€thickness and polymer concentration. <i>Nano Select</i> , 2021, 2, 1403-1416.	1.9	3

#	ARTICLE	IF	CITATIONS
1218	A comprehensive review on fundamental properties and applications of poly(vinylidene fluoride) (PVDF). <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 8-26.	9.9	200
1219	$\text{BiFeO}_3/\text{BaTiO}_3/\text{P(VDF-TrFE)}$ Multifunctional Polymer Nanocomposites. <i>ACS Applied Electronic Materials</i> , 2021, 3, 743-751.	2.0	14
1220	Preparation of refreshable membrane by partially sacrificial hydrophilic coating. <i>Journal of Materials Science</i> , 2021, 56, 10676-10690.	1.7	5
1221	Highly conformal, ultrathin, robust Au@AgNWs/PVDF epidermal electrodes for electrophysiological signals recording. , 2021, , .		0
1222	Directional percolating pathways in demixing blends on a wetting substrate. <i>Journal of Applied Physics</i> , 2021, 129, 105301.	1.1	0
1223	Preparation of alkali-resistant PVDF membranes via immobilization of sodium lauryl sulfate (SDS) on surface. <i>Applied Water Science</i> , 2021, 11, 1.	2.8	10
1224	Recent Development of Polyvinylidene Fluoride/Cellulose Membranes Electrolyte Separator for Lithium Ion Batteries. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1096, 012144.	0.3	2
1225	Effective elastin-like recombinamers coating on poly(vinylidene) fluoride membranes for mesenchymal stem cell culture. <i>European Polymer Journal</i> , 2021, 146, 110269.	2.6	3
1226	Facile Grafting Modification of Poly(Vinylidene Fluoride-co-Trifluoroethylene) Directly from Inner CH_2/CH Bonds. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100017.	1.1	3
1227	High-performance textile piezoelectric pressure sensor with novel structural hierarchy based on ZnO nanorods array for wearable application. <i>Nano Research</i> , 2021, 14, 3969-3976.	5.8	66
1228	Machine Learning for Advanced Design of Nanocomposite Ultrafiltration Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 5236-5250.	1.8	36
1229	Highly dispersible silicon nitride whiskers in asymmetric porous separators for high-performance lithium-ion battery. <i>Journal of Membrane Science</i> , 2021, 621, 119001.	4.1	17
1230	Fabrication and Analysis of Near-Field Electrospun PVDF Fibers with Sol-Gel Coating for Lithium-Ion Battery Separator. <i>Membranes</i> , 2021, 11, 186.	1.4	4
1231	On the Solubility and Stability of Polyvinylidene Fluoride. <i>Polymers</i> , 2021, 13, 1354.	2.0	97
1232	Ion Transport in Solid Medium—Evaluation of Ionic Mobility for Design of Ion Transport Pathways in Separator and Gel Electrolyte. <i>Membranes</i> , 2021, 11, 277.	1.4	10
1233	Polymers and Solvents Used in Membrane Fabrication: A Review Focusing on Sustainable Membrane Development. <i>Membranes</i> , 2021, 11, 309.	1.4	92
1234	Fluorinated Polymer Membranes as Advanced Substrates for Portable Analytical Systems and Their Proof of Concept for Colorimetric Bioassays. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18065-18076.	4.0	9
1235	Future applications of electrospun nanofibers in pressure driven water treatment: A brief review and research update. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105107.	3.3	54

#	ARTICLE	IF	CITATIONS
1236	Functionalizable Epoxy-rich Electrospun Fibres Based on Renewable Terpene for Multi-Purpose Applications. <i>Polymers</i> , 2021, 13, 1804.	2.0	12
1238	Surface modified by green synthetic of Cu-MOF-74 to improve the anti-biofouling properties of PVDF membranes. <i>Chemical Engineering Journal</i> , 2021, 411, 128524.	6.6	57
1239	Understanding Loss of Soluble High Molecular Weight Species during Filtration of Low Concentration Therapeutic Monoclonal Antibodies. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 1997-2004.	1.6	4
1240	Production of calcium nitrate crystals via membrane distillation crystallization using polyvinylidene fluoride/sorbitan trioleate membranes. <i>Advanced Powder Technology</i> , 2021, 32, 1463-1471.	2.0	6
1241	Preparation and characterisation of the novel hydrophobic FAS/Al ₂ O ₃ composite membrane for membrane distillation. <i>Materials Research Innovations</i> , 2022, 26, 168-175.	1.0	0
1242	Fabrication of asymmetric zinc oxide/carbon nanotubes coated polysulfone photocatalytic nanocomposite membrane for fouling mitigation. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51194.	1.3	6
1243	A comparative analysis of the basic properties and applications of poly (vinylidene fluoride) (PVDF) and poly (methyl methacrylate) (PMMA). <i>Polymer Bulletin</i> , 2022, 79, 5635-5665.	1.7	24
1244	Current and future trends in polymer membrane-based gas separation technology: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 98, 103-129.	2.9	154
1245	Durable anti-oil-fouling superhydrophilic membranes for oil-in-water emulsion separation. <i>Journal of Polymer Engineering</i> , 2021, 41, 681-689.	0.6	1
1246	Aging of PVDF and PES ultrafiltration membranes by sodium hypochlorite: Effect of solution pH. <i>Journal of Environmental Sciences</i> , 2021, 104, 444-455.	3.2	36
1247	Sulfonated polyvinylidene fluoride and functional copolymer based blend proton exchange membrane for fuel cell application and studies on methanol crossover. <i>Renewable Energy</i> , 2021, 170, 974-984.	4.3	24
1248	Polyvinylidene fluoride as a neat and the synthesized novel membranes based on PVDF/polyvinyl pyrrolidone polymer grafted with TiO ₂ nanoparticles through RAFT method for water purification. <i>Iranian Polymer Journal (English Edition)</i> , 2021, 30, 769-780.	1.3	12
1249	Direct recovery of degraded LiCoO ₂ cathode material from spent lithium-ion batteries: Efficient impurity removal toward practical applications. <i>Waste Management</i> , 2021, 129, 85-94.	3.7	38
1250	A roadmap for the development and applications of silicon carbide membranes for liquid filtration: Recent advancements, challenges, and perspectives. <i>Chemical Engineering Journal</i> , 2021, 414, 128826.	6.6	46
1251	Ceramic-Polymer Composite Membranes for Water and Wastewater Treatment: Bridging the Big Gap between Ceramics and Polymers. <i>Molecules</i> , 2021, 26, 3331.	1.7	26
1252	Radiation-Induced Graft Immobilization (RIGI): Covalent Binding of Non-Vinyl Compounds on Polymer Membranes. <i>Polymers</i> , 2021, 13, 1849.	2.0	10
1253	Dielectric Properties and Phase Stabilization of PVDF Polymer in (1-x)PVDF/xBCZT Composite Films. <i>Journal of Electronic Materials</i> , 2021, 50, 5567-5576.	1.0	8
1254	Reduced Self-Discharge of Supercapacitors Using Piezoelectric Separators. <i>ACS Applied Energy Materials</i> , 2021, 4, 8070-8075.	2.5	27

#	ARTICLE	IF	CITATIONS
1255	Recent Progress in the Membrane Distillation and Impact of Track-Etched Membranes. <i>Polymers</i> , 2021, 13, 2520.	2.0	20
1256	Study on the modified effect of polyvinylidene fluoride membrane by remote argon plasma. <i>Surface Engineering</i> , 2021, 37, 1110-1119.	1.1	5
1257	Cleaning and "Healing" Interfacial Polymerization Strategy for Upcycling Real End-of-Life Polyvinylidene Fluoride Microfiltration Membranes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10352-10360.	3.2	15
1258	Study on the improvement of PVDF flat ultrafiltration membrane with MWCNTs-OH as the additive and the influence of different MWCNTs-OH scales. <i>Colloids and Interface Science Communications</i> , 2021, 43, 100433.	2.0	12
1259	A co-casting route enables the formation of skinless, hydrophobic poly(vinylidene fluoride) membranes for DCMD. <i>Journal of Membrane Science</i> , 2021, 630, 119299.	4.1	25
1260	Impacts of PVDF polymorphism and surface printing micro-roughness on superhydrophobic membrane to desalinate high saline water. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105418.	3.3	31
1261	Tamisolve® NxG as an Alternative Non-Toxic Solvent for the Preparation of Porous Poly (Vinylidene) Tj ETQq0 0 0 r gBT /Overlock 10 Tf	2.0	13
1262	Membrane distillation process for phenolic compounds removal from surface water. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105588.	3.3	16
1263	Crystallization and melting behavior of polyvinylidene fluoride in confined space of nanotubes. <i>Journal of Physics: Conference Series</i> , 2021, 1986, 012009.	0.3	2
1264	High Energy Storage of PLZT/PVDF Nanocomposites with a Trilayered Structure. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18141-18150.	1.5	15
1265	Direct ink writing of dehydrofluorinated Poly(Vinylidene Difluoride) for microfiltration membrane fabrication. <i>Journal of Membrane Science</i> , 2021, 632, 119347.	4.1	10
1266	Desalination membranes by deposition of polyamide on polyvinylidene fluoride supports using the automated layer-by-layer technique. <i>Separation Science and Technology</i> , 0, , 1-9.	1.3	5
1267	Improvement of nanostructured electrospun membranes for desalination by membrane distillation technology. <i>Desalination</i> , 2021, 510, 115086.	4.0	27
1268	Photocatalytic PVDF ultrafiltration membrane blended with visible-light responsive Fe(III)-TiO2 catalyst: Degradation kinetics, catalytic performance and reusability. <i>Chemical Engineering Journal</i> , 2021, 417, 129340.	6.6	67
1269	Performance enhancements in poly(vinylidene fluoride)-based piezoelectric films prepared by the extrusion-casting process. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21837-21847.	1.1	9
1270	Application of hydrophilic modified nylon fabric membrane in an anammox-membrane bioreactor: performance and fouling characteristics. <i>Environmental Science and Pollution Research</i> , 2022, 29, 5330-5344.	2.7	2
1271	Preparation of hydrophilic poly(vinylidene fluoride) membrane by in situ grafting of N-vinyl pyrrolidone via a reactive vapor induced phase separation procedure. <i>Journal of Polymer Science</i> , 2021, 59, 2284-2294.	2.0	7
1272	Nanoenhanced Photocatalytic Approach for Separation of Oily Emulsion from Aqueous Effluents: Recent Trends, Future Perspective and Challenges. <i>Green Chemistry and Sustainable Technology</i> , 2022, , 565-601.	0.4	1

#	ARTICLE	IF	CITATIONS
1273	Cold Microfiltration as an Enabler of Sustainable Dairy Protein Ingredient Innovation. <i>Foods</i> , 2021, 10, 2091.	1.9	16
1274	Graphene Oxide and Carbon Nanotubes-Based Polyvinylidene Fluoride Membrane for Highly Increased Water Treatment. <i>Nanomaterials</i> , 2021, 11, 2498.	1.9	5
1275	Preparation of hydrophilic polyvinylidene fluoride/polyvinyl alcohol ultrafiltration membrane via polymer/non-solvent co-induced phase separation method towards enhance anti-fouling performance. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106431.	3.3	20
1276	Formation of the structure and properties of polyvinylidene fluoride and composites based on it, prepared by explosive pressing. <i>Journal of Fluorine Chemistry</i> , 2021, 249, 109852.	0.9	1
1277	Physicochemical characteristics of polysulfone nanofiber membranes with iron oxide nanoparticles via electrospinning. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51661.	1.3	9
1278	Novel Multifunctional Janus-Type Membrane on Al Anode for Corrosion Protection. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100786.	1.9	4
1279	Research progress on preparation and purification of fluorine-containing chemicals in lithium-ion batteries. <i>Chinese Journal of Chemical Engineering</i> , 2022, 41, 73-84.	1.7	7
1280	Atomic Force Microscopy of the Local Electrical Properties of Bilayer Polyaniline-Polystyrene/P(VDF-TrFE) Composite. <i>Key Engineering Materials</i> , 0, 899, 506-511.	0.4	0
1281	Fabrication and Characterization of Sulfonated Graphene Oxide (SGO) Doped PVDF Nanocomposite Membranes with Improved Anti-Biofouling Performance. <i>Membranes</i> , 2021, 11, 749.	1.4	10
1282	Contemporary Techniques for Remediating Endocrine-Disrupting Compounds in Various Water Sources: Advances in Treatment Methods and Their Limitations. <i>Polymers</i> , 2021, 13, 3229.	2.0	17
1283	Recent development in nanofiltration (NF) membranes and their diversified applications. <i>Emergent Materials</i> , 2022, 5, 1311-1328.	3.2	14
1284	A review of current knowledge and future trends in polymer/boehmite nanocomposites. <i>Journal of Plastic Film and Sheeting</i> , 2022, 38, 278-305.	1.3	5
1285	Polybenzimidazole functionalized electrolyte with Li ⁺ wetting and self-fluorination functionalities for practical Li metal batteries. <i>Informa-Materially</i> , 2022, 4, .	8.5	33
1286	Fabricating novel PVDF-g-IBMA copolymer hydrophilic ultrafiltration membrane for treating papermaking wastewater with good antifouling property. <i>Water Science and Technology</i> , 2021, 84, 2541-2556.	1.2	4
1287	An ultra-robust fabric-embedded PVDF membrane fabricated by NTIPS method and its application for monosodium glutamate concentration in membrane distillation. <i>Journal of Membrane Science</i> , 2021, 635, 119448.	4.1	9
1288	Modification of PVDF hollow fiber membrane by co-deposition of PDA/MPC-co-AEMA for membrane distillation application with anti-fouling and anti-scaling properties. <i>Journal of Membrane Science</i> , 2021, 636, 119596.	4.1	37
1289	Hydrophobic poly(vinylidene fluoride) / siloxene nanofiltration membranes. <i>Journal of Membrane Science</i> , 2021, 635, 119447.	4.1	9
1290	High flux and complete dyes removal from water by reduced graphene oxide laminate on Poly Vinylidene Fluoride/graphene oxide membranes. <i>Environmental Research</i> , 2021, 201, 111576.	3.7	26

#	ARTICLE	IF	CITATIONS
1291	Modification and superhydrophilization of electrospun polyvinylidene fluoride membrane using graphene oxide-chitosan nanostructure and performance evaluation in oil/water separation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106245.	3.3	31
1292	Polydopamine modification of high-performance PVDF ultrafiltration membranes prepared by the combined crystallisation and diffusion (CCD) method. <i>Journal of Membrane Science</i> , 2021, 635, 119538.	4.1	15
1293	Failure of fluorocarbon copolymer pipes subjected to mechanical strain in an alkaline environment. <i>Engineering Failure Analysis</i> , 2021, 128, 105572.	1.8	1
1294	PVDF-TiO ₂ core-shell fibrous membranes by microwave-hydrothermal method: Preparation, characterization, and photocatalytic activity. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106250.	3.3	24
1295	Antimicrobial PVDF nanofiber composites with the ZnO - vermiculite - chlorhexidine based nanoparticles and their tensile properties. <i>Polymer Testing</i> , 2021, 103, 107367.	2.3	7
1296	Hollow fibre polymeric membranes for desalination by membrane distillation technology: A review of different morphological structures and key strategic improvements. <i>Desalination</i> , 2021, 516, 115235.	4.0	26
1297	Semiconducting graphitic carbon nitride integrated membranes for sustainable production of clean water: A review. <i>Chemosphere</i> , 2021, 282, 130898.	4.2	23
1298	Development of a syringe membrane-based microextraction method based on metal-organic framework mixed-matrix membranes for preconcentration/extraction of polycyclic aromatic hydrocarbons in tea infusion. <i>Food Chemistry</i> , 2021, 361, 130105.	4.2	17
1299	High sensitivity enhancement of multi-shaped silver-nanoparticle-decorated hydrophilic PVDF-based SERS substrates using solvating pretreatment. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130614.	4.0	8
1300	In-situ grown inorganic layer coated PVDF/PSF composite hollow fiber membranes with enhanced separation performance. <i>Journal of Membrane Science</i> , 2021, 637, 119632.	4.1	19
1301	Relaxation transitions and compatibility of binary blended PVDF/PVB systems. <i>Journal of Non-Crystalline Solids</i> , 2021, 571, 121077.	1.5	2
1302	One-step entrapment of a PS-PEGMA amphiphilic copolymer on the outer surface of a hollow fiber membrane via TIPS process using triple-orifice spinneret. <i>Journal of Membrane Science</i> , 2021, 638, 119712.	4.1	19
1303	Critical contributions of additives on the fabrication of asymmetric isoporous membranes from block copolymers: A review. <i>Chemical Engineering Journal</i> , 2021, 424, 128912.	6.6	14
1304	Fluorine-free and hydrophobic/oleophilic PMMA/PDMS electrospun nanofibrous membranes for gravity-driven removal of water from oil-rich emulsions. <i>Separation and Purification Technology</i> , 2021, 279, 119720.	3.9	24
1305	Regulating the interfacial polymerization process toward high-performance polyamide thin-film composite reverse osmosis and nanofiltration membranes: A review. <i>Journal of Membrane Science</i> , 2021, 640, 119765.	4.1	106
1306	Hydrophilic magnetic molecularly imprinted resin in PVDF membrane for efficient selective removal of dye. <i>Journal of Environmental Management</i> , 2021, 300, 113707.	3.8	25
1307	A review on models and simulations of membrane formation via phase inversion processes. <i>Journal of Membrane Science</i> , 2021, 640, 119810.	4.1	45
1308	Composite PVDF ultrafiltration membrane tailored by sandwich-like GO@LiO-66 nanoparticles for breaking the trade-off between permeability and selectivity. <i>Separation and Purification Technology</i> , 2021, 276, 119308.	3.9	29

#	ARTICLE	IF	CITATIONS
1309	Fabrication of ZIF-67@PVDF ultrafiltration membrane with improved antifouling and separation performance for dye wastewater treatment via sulfate radical enhancement. Separation and Purification Technology, 2021, 279, 119755.	3.9	37
1310	Extraction and separation of heavy rare earth elements: A review. Separation and Purification Technology, 2021, 276, 119263.	3.9	96
1311	Development of low-fouling PVDF membranes blended with poly(2-methoxyethyl acrylate) via NIPS process. Separation and Purification Technology, 2021, 276, 119331.	3.9	20
1312	A review on microporous polyvinylidene fluoride membranes fabricated via thermally induced phase separation for MF/UF application. Journal of Membrane Science, 2021, 639, 119759.	4.1	77
1313	Incorporation of barium titanate nanoparticles in piezoelectric PVDF membrane. Journal of Membrane Science, 2021, 640, 119861.	4.1	32
1314	Synergistic effects of matrix-anchoring and surface-segregation behavior of poly(N-vinylpyrrolidone)-grafted-silica filler for PVDF membrane performance improvement. Separation and Purification Technology, 2021, 276, 119353.	3.9	5
1315	Investigating the effect of PEG200 and two-dimensional h-BN on PVDF membrane performance for membrane distillation crystallization. Materials Today Chemistry, 2021, 22, 100545.	1.7	3
1316	Quasi-solid-state sodium-ion hybrid capacitors enabled by UiO-66@PVDF-HFP multifunctional separators: Selective charge transfer and high fire safety. Chemical Engineering Journal, 2022, 427, 130919.	6.6	22
1317	Progress in treatment of oilfield produced water using membrane distillation and potentials for beneficial re-use. Separation and Purification Technology, 2021, 278, 119494.	3.9	13
1318	Study on flexible large-area Poly(vinylidene fluoride)-based piezoelectric films prepared by extrusion-casting process for sensors and microactuators. Materials Chemistry and Physics, 2022, 275, 125221.	2.0	12
1319	Electroconducting Polypyrrole Coatings as an Electrode Contact Material on Porous Poly(vinylidene fluoride) Membranes. Journal of Membrane Science, 2021, 640, 119861.	6.4	3
1320	Preparation, characterization and optimization of superhydrophobic PVDF-PVC composite membrane based on concentration change of casting solution. Materials Research Express, 2021, 8, 015303.	0.8	1
1321	Electrospun Nanofibers for Coating and Corrosion. Springer Series on Polymer and Composite Materials, 2021, , 119-145.	0.5	0
1322	Graphene and its derivatives for environmental applications. , 2021, , 219-259.		0
1323	Hydrophilic Modification. , 2016, , 1000-1001.		1
1324	Co-Doped ZnO Nanoparticles Reinforcement in PVDF for 3D Printing of Magnetic Structures. , 2020, , .		1
1325	Insight into fouling behavior of poly(vinylidene fluoride) (PVDF) hollow fiber membranes caused by dextran with different pore size distributions. Chinese Journal of Chemical Engineering, 2018, 26, 268-277.	1.7	41
1326	High permeability poly(vinylidene fluoride) ultrafiltration membrane doped with polydopamine modified TiO ₂ nanoparticles. Chinese Journal of Chemical Engineering, 2020, 28, 3152-3158.	1.7	4

#	ARTICLE	IF	CITATIONS
1327	Thin film deposition techniques for polymeric membranes – A review. Journal of Membrane Science, 2020, 610, 118258.	4.1	77
1328	Separation of adjacent heavy rare earth Lutetium (III) and Ytterbium (III) by task-specific ionic liquid Cyphos IL 104 embedded polymer inclusion membrane. Journal of Membrane Science, 2020, 610, 118263.	4.1	40
1329	Synthesis of PVDF/MWCNT nanocomplex microfiltration membrane via atom transfer radical addition (ATRA) with enhanced fouling performance. Separation and Purification Technology, 2020, 246, 116860.	3.9	18
1330	Enhanced removal of Cr(VI) by polymer inclusion membrane based on poly(vinylidene fluoride) and Aliquat 336. Separation and Purification Technology, 2020, 248, 117038.	3.9	30
1331	Improved water flux and antifouling properties of cardo poly(aryl ether ketone) ultrafiltration membrane by novel sulfobetaine polyimides additive. Separation and Purification Technology, 2020, 251, 117144.	3.9	22
1332	Effects of dissolution conditions on the properties of PVDF ultrafiltration membranes. Ultrasonics Sonochemistry, 2017, 39, 716-726.	3.8	16
1334	Hollow Fiber Membrane Contactors in CO ₂ Desorption: A Review. Energy & Fuels, 2021, 35, 111-136.	2.5	36
1335	Comparison study of the effect of blending method on PVDF/PPTA blend membrane structure and performance. Membrane Water Treatment, 2015, 6, 205-224.	0.5	5
1336	Preparation and characterization of PVDF/TiO ₂ composite ultrafiltration membranes using mixed solvents. Membrane Water Treatment, 2016, 7, 377-401.	0.5	5
1337	Effect of PTMGDA-PEGMA dopant on PVDF ultrafiltration membrane. Membrane Water Treatment, 2016, 7, 539-553.	0.5	2
1338	Polyethersulfone Hollow Fiber Membranes Developed for Oily Emulsion Treatment. Materials Research, 2019, 22, .	0.6	7
1339	Interacción de aglutinantes de γ -glicoluro de polivinilideno (PVDF) con soluciones fuertemente alcalinas. Granja, 2019, 29, 17-31.	0.1	5
1340	Development and Characterization of Polysulfone/Polyvinylidene Fluoride Blend Membrane Induced by Delayed Liquid-Liquid Demixing. International Journal on Advanced Science, Engineering and Information Technology, 2016, 6, 716.	0.2	8
1341	Effect of Additives on Hydrophobicity of PVDF Membrane in Two-stage Coagulation Baths for Desalination. Journal of Physical Science, 2019, 30, 207-221.	0.5	8
1342	Development of Superhydrophobic Nanocomposite Coatings on FRP Sheet Surface for Anti-Icing and Wear-Resistance Applications. SSRN Electronic Journal, 0, , .	0.4	2
1343	The Modification of PVDF Membrane via Crosslinking with Chitosan and Glutaraldehyde as the Crosslinking Agent. Indonesian Journal of Chemistry, 2018, 18, 1.	0.3	6
1344	Mikrofiltrasyon için elektrolit seçimi ile üretilen PVDF nanofibrilli membranlar: Çözünme boyutu ve kalınlıkla membran performansına etkisi. European Journal of Science and Technology, 0, , 247-255.	0.5	3
1345	The contrastive study of chemical treatment on the properties of hydrophobic PVDF membrane. Journal of Applied Science & Process Engineering, 2015, 2, .	0.0	2

#	ARTICLE	IF	CITATIONS
1346	Recent Progresses in Membranes for Proton Exchange Membrane Fuel Cell (PEMFC) for Clean and Environmentally Friendly Applications. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2019, , 308-343.	0.3	3
1347	Simulation of Permeation of Colloidal Particle Dispersion through Membrane Pores in Microfiltration. <i>Journal of the Society of Powder Technology, Japan</i> , 2017, 54, 362-369.	0.0	3
1348	The Applications of Membrane Operations in the Textile Industry: A Review. <i>British Journal of Applied Science & Technology</i> , 2012, 2, 296-310.	0.2	21
1349	Effect of Incorporating TiO ₂ Photocatalyst in PVDF Hollow Fibre Membrane for Photo-Assisted Degradation of Methylene Blue. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2018, 13, 588.	0.5	12
1350	Fluorescent films based on PVDF doped with carbon dots for evaluation of UVA protection of sunscreens and fabrication of cool white LEDs. <i>RSC Advances</i> , 2021, 11, 32604-32614.	1.7	6
1351	A Facile Method to Control Pore Structure of PVDF/SiO ₂ Composite Membranes for Efficient Oil/Water Purification. <i>Membranes</i> , 2021, 11, 803.	1.4	8
1352	Ultrafiltration of β -Lactalbumin Protein: Acquaintance of the Filtration Performance by Membrane Structure and Surface Alteration. <i>Polymers</i> , 2021, 13, 3632.	2.0	7
1353	Antifouling Fibrous Membrane Enables High Efficiency and High-Flux Microfiltration for Water Treatment. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49254-49265.	4.0	11
1354	In situ synchrotron imaging of human serum proteins interactions, molecular docking and inflammatory biomarkers of hemocompatible synthesized zwitterionic polymer coated-polyvinylidene fluoride (PVDF) dialysis membranes. <i>Surfaces and Interfaces</i> , 2021, 27, 101505.	1.5	11
1355	Studies on Surface Modification of PVDF Membranes by UV Grafted Acrylic Acid. <i>Hans Journal of Chemical Engineering and Technology</i> , 2013, 03, 127-131.	0.0	0
1357	Pore Forming Agent. , 2014, , 1-2.		0
1358	Polyvinylidene Fluoride (PVDF). , 2014, , 1-1.		0
1359	Hydrophilic Modification. , 2014, , 1-2.		0
1360	PH-responsive PVDF Composite Membranes Blended with Amphiphilic Poly (methacrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 502		0
1361	Polyvinylidene Fluoride Membranes. , 2015, , 1-1.		0
1362	A Morphological Study of Poly (Vinylidene Fluoride) PvdF Membranes: In Perspective of Membrane Pervaporation Process. <i>ASEAN Journal of Chemical Engineering</i> , 2015, 14, 38.	0.5	4
1364	An Experimental Investigation: Effect of Phase Inversion Methods on Membrane Structure and Its Performance on PEG Filtration. <i>Journal of Applied Membrane Science & Technology</i> , 2017, 17, .	0.3	1
1365	Characterization Study of PVDF/ Cloisite Hollow Fiber Membrane in Aqueous Diethanolamine. <i>Journal of Applied Membrane Science & Technology</i> , 2017, 18, .	0.3	0

#	ARTICLE	IF	CITATIONS
1366	Membranas de fibra oca de polietersulfona: efeito do l�quido interno e da adi�s�o de argila. Revista Materia, 2018, 23, .	0.1	0
1367	Characteristics of Polymeric Ultrafiltration Membranes Produced with the Use of Graphene Oxide. Ecological Chemistry and Engineering S, 2018, 25, 419-429.	0.3	3
1368	Wastewater Treatment Containing Oil Using Polyvinylidene Fluoride (PVDF) Ultrafiltration Membrane Modified with Functionalized SiO2 Nanoparticles. , 0, 7, 21-26.		0
1369	Novel High Temperature, High Oil Tolerant Membrane Offers Reliable and Economical Solution for Offshore Wastewater Treatment. , 2019, , .		0
1370	Membrane Fouling Mitigation in Water Filtration Using Piezoelectrics. , 2019, , .		0
1371	Ultrafiltration Membrane for Water Treatment. Engineering Materials, 2020, , 119-145.	0.3	1
1372	Preparation of hydrophobic flat sheet membranes from PVDF-HFP copolymer for enhancing the oxygen permeance in nitrogen/oxygen gas mixture. Chinese Journal of Chemical Engineering, 2020, 28, 1566-1581.	1.7	8
1373	Synthesis and Characterization of Indigenous Hydrophilized Polyvinylidene Fluoride Membrane for Drinking Water Purification: Experimental Study and Modeling Aspects. Chemistry and Chemical Technology, 2020, 14, 239-250.	0.2	1
1374	Surface Design of Liquid Separation Membrane through Graft Polymerization: A State of the Art Review. Membranes, 2021, 11, 832.	1.4	22
1375	Application of flying jet plasma for amelioration of polyvinylidene fluoride membrane properties towards enhanced membrane distillation. Asia-Pacific Journal of Chemical Engineering, 2021, 16, .	0.8	1
1376	Development of a New Polymer Membrane: Polyvinylidene fluoride/Polyetherimide Blend Membrane. International Journal on Advanced Science, Engineering and Information Technology, 2020, 10, 2547-2559.	0.2	2
1377	FTIR Spectroscopy in Studying the Conformational Transitions of Polyvinylidene Fluoride. Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 1471-1474.	0.1	2
1378	Membrane Technology for Groundwater Purification : A review. SVU-International Journal of Engineering Sciences and Applications, 2020, 1, 8-21.	0.2	0
1379	Novel PVDF-g-NMA Copolymer for Fabricating the Hydrophilic Ultrafiltration Membrane with Good Antifouling Property. Industrial & Engineering Chemistry Research, 2021, 60, 541-550.	1.8	7
1380	Continuous Membrane Crystallization. , 2020, , 321-352.		2
1381	Piezoelectric properties of the oriented porous poly(vynilidene) fluoride films. AIP Conference Proceedings, 2020, , .	0.3	3
1382	Li-doped ZnO Nanoparticles Reinforcement in PVDF Thermoplastic Matrix for 3D Printing of Charge Storage Devices. , 2020, , .		0
1383	Preparation and characterization of graphitic carbon nitrides/polyvinylidene fluoride adsorptive membrane modified with chitosan for Rhodamine B dye removal from water: Adsorption isotherms, kinetics and thermodynamics. Carbohydrate Polymers, 2022, 277, 118860.	5.1	45

#	ARTICLE	IF	CITATIONS
1384	Polymer nanocomposite membranes and their application for flow catalysis and photocatalytic degradation of organic pollutants. <i>Materials Today Chemistry</i> , 2021, 22, 100600.	1.7	14
1386	Progress of low-frequency sound absorption research utilizing intelligent materials and acoustic metamaterials. <i>RSC Advances</i> , 2021, 11, 37784-37800.	1.7	20
1387	3D printed nanofiltration composite membranes with reduced concentration polarisation. <i>Journal of Membrane Science</i> , 2022, 644, 120137.	4.1	17
1388	Progress in the modification of polyvinyl chloride (PVC) membranes: A performance review for wastewater treatment. <i>Journal of Water Process Engineering</i> , 2022, 45, 102466.	2.6	43
1389	Poly(vinylidene fluoride-co-hexafluoro propylene) membranes prepared via thermally induced phase separation and application in direct contact membrane distillation. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 720-730.	2.3	5
1390	Application of 1.0-1¼m macroporous hollow fiber membrane for prevention of membrane fouling and enhancement of permeate flux in algae harvesting. <i>Bioresource Technology Reports</i> , 2022, 17, 100895.	1.5	1
1391	Marriage of membrane filtration and sulfate radical-advanced oxidation processes (SR-AOPs) for water purification: Current developments, challenges and prospects. <i>Chemical Engineering Journal</i> , 2022, 433, 133802.	6.6	39
1392	Fabrication of High-Performance CNT Reinforced Polymer Composite for Additive Manufacturing by Phase Inversion Technique. <i>Polymers</i> , 2021, 13, 4007.	2.0	14
1393	Positively Charged Polyvinylidene Fluoride (PVDF) Membrane: A Potential Alternative for Absorbent Paper Points in Endodontics. <i>Journal of Endodontics</i> , 2021, , .	1.4	1
1394	Piezoelectric materials and systems for tissue engineering and implantable energy harvesting devices for biomedical applications. <i>International Materials Reviews</i> , 2022, 67, 683-733.	9.4	21
1395	Highly Effective Anti-Organic Fouling Performance of a Modified PVDF Membrane Using a Triple-Component Copolymer of P(Stx-co-MAAy)-g-fPEGz as the Additive. <i>Membranes</i> , 2021, 11, 951.	1.4	5
1396	A study on the effects of the addition of graphene oxide and multi-walled carbon nanotubes for surface modification on polyvinylidene fluoride membranes. <i>Materials Letters</i> , 2022, 309, 131311.	1.3	4
1397	Intramolecular Crosslinking of Polyvinylidene Fluoride by Homogeneous Solution Irradiation. <i>High Energy Chemistry</i> , 2021, 55, 436-441.	0.2	0
1398	Comparison of the Effect of Excimer Laser Irradiation and Plasma Treatment on Polypropylene Membrane Surface. <i>Engineering Materials</i> , 2022, , 175-195.	0.3	0
1399	Effect of Polymer Dissolution Temperature and Conditioning Time on the Morphological and Physicochemical Characteristics of Poly(Vinylidene Fluoride) Membranes Prepared by Non-Solvent Induced Phase Separation. <i>Polymers</i> , 2021, 13, 4062.	2.0	2
1400	Understanding the Ferroelectric Polymerâ€™Metal Contact Electrification for Triboelectric Nanogenerator from Molecular and Electronic Structure. <i>Advanced Functional Materials</i> , 2022, 32, 2109949.	7.8	6
1401	Hybrid PVDF-P(L-DOPA)-ZnO membranes for dyes and antibiotics removal through simultaneous action of adsorption and photocatalysis processes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106812.	3.3	18
1402	Grafting an Amphiphilic Block Copolymer to Magnetic-Functionalized Carbon Nanotubes and Their Nanochannels in Membranes. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6468-6478.	2.0	2

#	ARTICLE	IF	CITATIONS
1403	PVDF-Stimulated Nanosurface Engineering in Zinc Oxide Targeting Highly Sensitive and Water-Stable Liquid-Phase Hydrazine Sensors. SSRN Electronic Journal, 0, , .	0.4	0
1404	Ultrafiltration mixed matrix nanocomposite membranes fabricated using functionalized MWCNT/nanoclay/polyvinylidene fluoride for BSA separation. Iranian Polymer Journal (English) Tj ETQq1 1 0.784314.8gBT /Overlock 10	1.7	4
1405	Piezoelectric and Machine Learning Based Keystroke Dynamics for Highly Secure User Authentication. IEEE Sensors Journal, 2023, 23, 24070-24077.	2.4	5
1406	Investigation of boron nitride/silver/graphene oxide nanocomposite on separation and antibacterial improvement of polyethersulfone membranes in wastewater treatment. Journal of Environmental Chemical Engineering, 2022, 10, 107035.	3.3	40
1407	Fog collection behavior of bionic surface and large fog collector: A review. Advances in Colloid and Interface Science, 2022, 300, 102583.	7.0	31
1408	Desirable PVDF hollow fiber membrane engineered with synergism between small molecular weight additives for DCMD treating of a hypersaline brine. Journal of Water Process Engineering, 2022, 45, 102528.	2.6	5
1409	Silver nanoparticles decorated polyhedral oligomeric silsesquioxane nanocages as an effective nanoadditive for improved structural and biological properties of poly(vinylidene fluoride) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 502 Td (fluoride-100643.	1.7	4
1410	Fabrication of PSf nanocomposite membranes incorporated with ZnFe layered double hydroxide for separation and antifouling aspects. Separation and Purification Technology, 2022, 285, 120354.	3.9	15
1411	Highly antifouling polymer-nanoparticle-nanoparticle/polymer hybrid membranes. Science of the Total Environment, 2022, 810, 152228.	3.9	41
1412	Preparation of high-performance PVDF mixed matrix membranes incorporated with PVDF-g-PMMA copolymer and GO@SiO ₂ nanoparticles for dye rejection applications. Journal of Water Process Engineering, 2022, 46, 102560.	2.6	30
1413	Simultaneously enhancing purification, catalysis and in situ separation in a continuous cross-flow catalytic degradation process of multi-component organic pollutants by a double-layer PVDF composite membrane. Journal of Environmental Chemical Engineering, 2022, 10, 107160.	3.3	6
1414	Facile solvent evaporation synthesis of core-shell structured Al@PVDF nanoparticles with excellent corrosion resistance and combustion properties. Combustion and Flame, 2022, 238, 111925.	2.8	16
1415	Influence of quadrat characteristics on the evolution of the dispersion effect for fiberâ€“water dispersions. Textile Reseach Journal, 0, , 004051752110642.	1.1	0
1416	Study on the modification of polyvinylidene fluoride with polyurethane to achieve excellent hydrophilic property. Main Group Chemistry, 2022, , 1-9.	0.4	2
1417	Talcum-doped composite separator with superior wettability and heatproof properties for high-rate lithium metal batteries. Chinese Chemical Letters, 2023, 34, 107087.	4.8	4
1418	Vapor linker exchange of partially amorphous metalâ€“organic framework membranes for ultraâ€“selective gas separation. AIChE Journal, 2022, 68, .	1.8	15
1419	Computer simulation to predict size distribution of track-etched nanopores. Japanese Journal of Applied Physics, 0, , .	0.8	0
1420	Synthesis of polyvinylidene fluoride and its copolymers. , 2022, , 85-112.		2

#	ARTICLE	IF	CITATIONS
1421	Highly Efficient One-Step Protein Immobilization on Polymer Membranes Supported by Response Surface Methodology. <i>Frontiers in Chemistry</i> , 2021, 9, 804698.	1.8	6
1422	Fundamentals of membrane technology. , 2022, , 1-23.		0
1423	Solution processing of piezoelectric unconventional structures. , 2022, , 375-439.		3
1424	Fabrication of Polyvinylidene Difluoride Membrane with Enhanced Pore and Filtration Properties by Using Tannic Acid as an Additive. <i>Polymers</i> , 2022, 14, 186.	2.0	5
1425	Synthesis of low-density polyethylene derived carbon nanotubes for activation of persulfate and degradation of water organic micropollutants in continuous mode. <i>Journal of Environmental Management</i> , 2022, 308, 114622.	3.8	18
1426	Polyethersulfone/gelatin nano-membranes for the Rhodamine B dye removal and textile industry effluents treatment under cost effective condition. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107250.	3.3	15
1427	An Artificial Lateral Line Sensor Using Polyvinylidene Fluoride (PVDF) Membrane for Oscillatory Flow Sensing. <i>IEEE Access</i> , 2022, 10, 15771-15785.	2.6	6
1428	The synthesis of an amended membrane coated with graphene oxide and dopamine and guanidyl-based modifier and its antifouling properties. <i>Water Science and Technology</i> , 2022, 85, 1470-1483.	1.2	3
1429	Superselective Hg(II) Removal from Water Using a Thiol-Laced MOF-Based Sponge Monolith: Performance and Mechanism. <i>Environmental Science & Technology</i> , 2022, 56, 2677-2688.	4.6	62
1430	State-of-the-Art Advances, Development, and Challenges of Metal Oxide Semiconductor Nanomaterials for Photothermal Solar Steam Generation. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	38
1431	Integrally skinned asymmetric poly(vinylidene fluoride) hollow fibre membranes: A study of gas and vapour transport properties. <i>Journal of Membrane Science</i> , 2022, 648, 120343.	4.1	3
1432	PVDF-stimulated surface engineering in ZnO for highly sensitive and water-stable hydrazine sensors. <i>Applied Surface Science</i> , 2022, 585, 152747.	3.1	5
1434	ASSESSING THE ACCELERATED AGEING TEST OF PVDF HOLLOW FIBER MEMBRANES COMPARING WITH AGEING AT DRINKING WATER TREATMENT PLANT. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2021, 77, III_329-III_338.	0.1	1
1436	Biodegradable Polymer-Based Microfluidic Membranes for Sustainable Point-of-Care Devices. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1437	Nanofiltration membrane technologies. , 2022, , 121-157.		0
1438	Preparation of Antifouling and Antibacterial Polyvinylidene Fluoride Membrane by Incorporating Functionalized Multiwalled Carbon Nanotubes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1439	Recent advances in the preparation of PVDF-based piezoelectric materials. <i>Nanotechnology Reviews</i> , 2022, 11, 1386-1407.	2.6	50
1441	Polymeric Membranes for Oil-Water Separation: A Review. <i>Polymers</i> , 2022, 14, 980.	2.0	70

#	ARTICLE	IF	CITATIONS
1442	Recent Progress in Microfiltration/Ultrafiltration Membranes for Separation of Oil and Water Emulsions. <i>Chemical Record</i> , 2022, 22, e202100320.	2.9	25
1443	Improved water flux in optimized electrospun polysulfone/nanoclay membranes. <i>Polymer Composites</i> , 2022, 43, 2602-2614.	2.3	7
1444	Robust Preparation and Pore Structure Design of Homogeneous Braid-Reinforced PVDF Hollow Fiber Membrane. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	4
1445	Recent Progress in Protective Membranes Fabricated via Electrospinning: Advanced Materials, Biomimetic Structures, and Functional Applications. <i>Advanced Materials</i> , 2022, 34, e2107938.	11.1	141
1446	Synthesis of a biomimetic zwitterionic pentapolymer to fabricate high-performance PVDF membranes for efficient separation of oil-in-water nano-emulsions. <i>Scientific Reports</i> , 2022, 12, 5028.	1.6	12
1447	Review-A Conceptual Analysis on Ceramic Materials Used for Dental Practices: Manufacturing Techniques and Microstructure. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 053005.	0.9	2
1448	A Simple Polypyrrole/Polyvinylidene Fluoride Membrane with Hydrophobic and Self-Floating Ability for Solar Water Evaporation. <i>Nanomaterials</i> , 2022, 12, 859.	1.9	14
1449	Enhanced morphology and hydrophilicity of PVDF flat membrane with modified CaCO ₃ @SMA additive via thermally induced phase separation method. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 107, 444-455.	2.9	12
1450	Direct Ink Printing of PVdF Composite Polymer Electrolytes with Aligned BN Nanosheets for Lithium-Metal Batteries. <i>ACS Nanoscience Au</i> , 2022, 2, 297-306.	2.0	7
1451	Preparation of Nano-TiO ₂ -Modified PVDF Membranes with Enhanced Antifouling Behaviors via Phase Inversion: Implications of Nanoparticle Dispersion Status in Casting Solutions. <i>Membranes</i> , 2022, 12, 386.	1.4	7
1452	A study on the mechanism of pore formation through VIPS-NIPS technique for membrane fabrication. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 108, 54-71.	2.9	14
1453	Multifunctional Touch Sensing and Antibacterial Polymer-Based Core-Shell Metallic Nanowire Composites for High Traffic Surfaces. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	4
1454	Carbon ablators with porosity tailored for aerospace thermal protection during atmospheric re-entry. <i>Carbon</i> , 2022, 195, 80-91.	5.4	20
1455	Salt sacrificial template strategy and in-situ growth of lamellar La(OH) ₃ on a novel PVDF foam for the simultaneous removal of phosphates and oil pollution without VOCs emission. <i>Separation and Purification Technology</i> , 2022, 288, 120681.	3.9	5
1456	Cellulose derived from oil palm empty fruit bunches as filler on polyvinylidene fluoride based membrane for water containing humic acid treatment. <i>Groundwater for Sustainable Development</i> , 2022, 17, 100744.	2.3	12
1457	Functionalized polymeric smart membrane for remediation of emerging environmental contaminants from industrial sources: Synthesis, characterization and potential applications. <i>Chemical Engineering Research and Design</i> , 2022, 161, 684-702.	2.7	10
1458	Design strategy of poly(vinylidene fluoride) membranes for water treatment. <i>Progress in Polymer Science</i> , 2022, 128, 101535.	11.8	73
1459	Cost-effective polymer-based membranes for drinking water purification. <i>Giant</i> , 2022, 10, 100099.	2.5	26

#	ARTICLE	IF	CITATIONS
1460	Polymeric photocatalytic membrane: An emerging solution for environmental remediation. <i>Chemical Engineering Journal</i> , 2022, 438, 135575.	6.6	36
1461	Polyvinylidene fluoride/boehmite nanocomposite membrane for effective removal of arsenate ion from water. <i>Journal of Water Process Engineering</i> , 2022, 47, 102652.	2.6	5
1462	Porous poly(vinylidene fluoride) (PVDF) membrane with 2D vermiculite nanosheets modification for non-aqueous redox flow batteries. <i>Journal of Membrane Science</i> , 2022, 651, 120468.	4.1	3
1463	Recent trends in application of nanoscale zero-valent metals and metal single atoms in membrane processes. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107457.	3.3	16
1464	Buoyant titanium dioxide (TiO ₂) as high performance photocatalyst and peroxide activator: A critical review on fabrication, mechanism and application. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107549.	3.3	7
1465	Effect of crystal structure on nanofiber morphology and chemical modification; design of CeO ₂ /PVDF membrane. <i>Polymer Testing</i> , 2022, 110, 107568.	2.3	6
1466	Enhanced Performance of PVDF Composite Ultrafiltration Membrane via Degradation of Collagen-Modified Graphene Oxide. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11513.	1.3	4
1467	Poly(lactic Acid Piezo-Biopolymers: Chemistry, Structural Evolution, Fabrication Methods, and Tissue Engineering Applications. <i>Journal of Functional Biomaterials</i> , 2021, 12, 71.	1.8	25
1468	Statistical Analysis of Synthesis Parameters to Fabricate PVDF/PVP/TiO ₂ Membranes via Phase-Inversion with Enhanced Filtration Performance and Photocatalytic Properties. <i>Polymers</i> , 2022, 14, 113.	2.0	4
1469	Covalent organic framework membrane on electrospun polyvinylidene fluoride substrate with a hydrophilic intermediate layer. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 11-20.	5.0	11
1470	Preparation of Non-woven Fabric Reinforced Poly(vinylidene fluoride) Composite Membranes for Water Treatment. <i>Fibers and Polymers</i> , 0, , 1.	1.1	0
1471	Grafting Modification of Poly(vinylidene fluoride-trifluoroethylene) via Visible-Light Mediated C-F Bond Activation. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, .	1.1	1
1472	Additive manufacturing of high- $\hat{1}^2$ phase poly(vinylidene fluoride) via precipitation printing. , 2022, , .		0
1473	Flat PVDF Membrane with Enhanced Hydrophobicity through Alkali Activation and Organofluorosilanisation for Dissolved Methane Recovery. <i>Membranes</i> , 2022, 12, 426.	1.4	5
1474	Low filler and highly conductive composite bipolar plates with synergistic segregated structure for enhanced proton exchange membrane fuel cell performance. <i>Energy</i> , 2022, 251, 123982.	4.5	15
1476	Study on the Reconstruction of Crystalline Polymer Porous Membrane Pore Channels Via Confined-Region Swelling Effect. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1477	Hybrid Nf and Uf Membranes Tailored Using Quaternized Polydopamine for Enhanced Removal of Salts and Organic Pollutants from Water. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1478	Investigating the Effects of Nonsolvent Additive and Spinning Conditions on Morphology and Permeation of PAN Hollow Fiber Membranes. <i>Advances in Polymer Technology</i> , 2022, 2022, 1-16.	0.8	0

#	ARTICLE	IF	CITATIONS
1479	Oxidation Mechanism of Core-Shell Structured Al@PVDF Powders Synthesized by Solvent/Non-Solvent Method. <i>Materials</i> , 2022, 15, 3036.	1.3	5
1480	Incorporation of epoxidized oleic acid plasticizer into poly(vinylidene fluoride). <i>Green Materials</i> , 2023, 11, 79-86.	1.1	1
1481	A novel method to immobilize zwitterionic copolymers onto PVDF hollow fiber membrane surface to obtain antifouling membranes. <i>Journal of Membrane Science</i> , 2022, 656, 120592.	4.1	10
1482	Development of PES-based hydrophilic membranes via corona air plasma for highly effective water purification. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107775.	3.3	10
1483	Study on the reconstruction of crystalline polymer porous membrane pore channels via confined-region swelling effect. <i>Separation and Purification Technology</i> , 2022, 293, 121090.	3.9	3
1484	Stress effects on the impedance and ferroelectricity of PVDF- BiFeO ₃ -MWCNT films using xanthan gum as dispersant. <i>Materials Chemistry and Physics</i> , 2022, 286, 126175.	2.0	2
1485	Progress in Gel Polymer Electrolytes for Sodium-Ion Batteries. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	19
1486	Novel procaine-based gemini zwitterion incorporated PVDF membranes for efficient treatment of oily wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107935.	3.3	14
1487	Novel polyimide binders integrated with soft and hard functional segments ensuring long-term high-voltage operating stability of high-energy NCM811 lithium-ion batteries up to 4.5ÅV. <i>Applied Energy</i> , 2022, 320, 119282.	5.1	16
1488	High Performance Membrane Filtration Coupled with Pms/Cofe ₂ o ₄ Catalytic Degradation for Dyes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1489	In Situ Bridges of Nano-Titanium Dioxide Constructed in Mxene Self-Cleaning Loose Nanofiltration Membranes for Dye Wastewater Treatment. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1490	Ultra-Fast-Responsivity with Sharp Contrast Integrated Flexible Piezo Electrochromic Based Tactile Sensing Visualization. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1491	Efficient Metal Cutting Fluid Wastewater Separation of Polyacrylonitrile Ultrafiltration Membranes Enabled by Metal Ion Cross-Linking. <i>ACS ES&T Water</i> , 2022, 2, 1143-1151.	2.3	6
1492	Fabrication and characterization of nanocomposite membranes for the rejection of textile dye. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-9.	0.9	0
1493	Preparation of Rosin-Based Composite Membranes and Study of Their Dencichine Adsorption Properties. <i>Polymers</i> , 2022, 14, 2161.	2.0	1
1494	Effect of Teflon-Coated PVDF Membrane on the Performance of a Solar-Powered Direct Contact Membrane Distillation System. <i>Sustainability</i> , 2022, 14, 6895.	1.6	2
1495	Fabrication, characterization and application of electrospun polysulfone membrane for phosphate ion removal in real samples. <i>Chemosphere</i> , 2022, 303, 135228.	4.2	4
1497	A criterion of diluent selection for the polymeric membrane formation via thermally induced phase separation process based on Hansen solubility parameter theory. , 2022, 2, 100033.		2

#	ARTICLE	IF	CITATIONS
1498	Polyvinylidene fluoride membrane formation using carbon dioxide as a non-solvent additive for nuclear wastewater decontamination. <i>Chemical Engineering Journal</i> , 2022, 446, 137300.	6.6	6
1499	A CNT/PVA film supported TFC membranes for improvement of mechanical properties and chemical cleaning stability: A new insight to an alternative to the polymeric support. <i>Journal of Membrane Science</i> , 2022, 658, 120753.	4.1	6
1500	Preparation of loose nanofiltration PVDF membrane coated with dopamine and EPPTMS layers based on mussel inspired technique and ring-opening reaction via a facile VIPS-NIGPS method for dye separation applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 113, 132-141.	2.9	14
1501	Nanoparticle-Enhanced β -Phase Formation in Electroactive PVDF Composites: A Review of Systems for Applications in Energy Harvesting, EMI Shielding, and Membrane Technology. <i>ACS Applied Nano Materials</i> , 2022, 5, 7632-7651.	2.4	53
1502	Development of flexible conductive membrane. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	0
1503	Preparation and characterization of Ti3C2TX MXene/PVDF cation exchange membrane for electrodialysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 650, 129556.	2.3	13
1504	Fabrication and application of novel high strength sulfonated PVDF ultrafiltration membrane for production of reclamation water. <i>Chemosphere</i> , 2022, 305, 135416.	4.2	7
1505	Nanocellulose Membranes for Water/Oil Separation. , 2022, , 933-970.		0
1506	Preparation of Antifouling and Antibacterial Polyvinylidene Fluoride Membrane by Incorporating Functionalized Multiwalled Carbon Nanotubes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1507	Polymer/metal oxides nanocomposites-based piezoelectric energy-harvesters. , 2022, , 65-97.		0
1508	C/H/O/F/Al ReaxFF Force Field Development and Application to Study the Condensed-Phase Poly(vinylidene fluoride) and Reaction Mechanisms with Aluminum. <i>Journal of Physical Chemistry C</i> , 2022, 126, 11058-11074.	1.5	7
1509	Modeling and multi-objective optimization of parameters in fabrication and performance analysis of polyvinylidene fluoride spiral-wound membrane modules. <i>Polymer Bulletin</i> , 0, , .	1.7	0
1510	Synthesis and Characterization of Cellulose Acetate Membrane from Cigarette Butts as Gel Polymer Electrolytes for Lithium-Ion Battery. <i>Solid State Phenomena</i> , 0, 334, 182-191.	0.3	1
1511	Polymer-ion interactions in PVDF@ionic liquid polymer electrolytes: A combined experimental and computational study. <i>Electrochimica Acta</i> , 2022, 427, 140831.	2.6	9
1512	Nanofibrous Kevlar Hydrogel Ultrafiltration Membrane with High Acid Resistance and Antifouling Properties for Wastewater Treatment. <i>ACS ES&T Water</i> , 2023, 3, 1747-1755.	2.3	2
1513	Non-templated manufacturing of patterned fluoropolymer membranes via immersion precipitation printing. <i>Additive Manufacturing</i> , 2022, 58, 103017.	1.7	1
1514	Ultra-fast-responsivity with sharp contrast integrated flexible piezo electrochromic based tactile sensing display. <i>Nano Energy</i> , 2022, 102, 107629.	8.2	27
1515	Fabrication and evaporation time investigation of water treatment membranes using green solvents and recycled polyethylene terephthalate. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	8

#	ARTICLE	IF	CITATIONS
1516	Dielectrophoresis-Based Universal Membrane Antifouling Strategy toward Colloidal Foulants. <i>Environmental Science & Technology</i> , 2022, 56, 10997-11005.	4.6	4
1517	Green preparation of PVDF hollow fiber membranes with multiple pore structure via melt spinning method for oil/water separation. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108337.	3.3	24
1518	Laser-induced graphene Janus membrane for electrothermal membrane distillation. <i>Desalination</i> , 2022, 540, 115994.	4.0	12
1519	Electrospun Membrane with Ultrafine Fibers for Oil/Water Separation Application. <i>International Journal of Scientific Research in Science, Engineering and Technology</i> , 2022, , 366-380.	0.1	0
1520	The Effect of Heat Sterilization on Key Filtration Performance Parameters of a Commercial Polymeric (PVDF) Hollow-Fiber Ultrafiltration Membrane. <i>Membranes</i> , 2022, 12, 725.	1.4	1
1521	Polyvinylidene fluoride-natural graphite flexible composite films: Formation of graphite nanosheets, electroactive phase, analysis of electrical and thermal properties. <i>Polymers for Advanced Technologies</i> , 2022, 33, 3997-4011.	1.6	1
1522	Green Solvent Cleaning Removes Irrecoverable Foulants from End-of-Life Membranes in Membrane Bioreactors: Efficacy and Mechanisms. <i>Environmental Science & Technology</i> , 2022, 56, 12563-12572.	4.6	12
1523	Solubility determination of boehmite nanoparticles and modeling of solution thermodynamics of blend polymeric membranes. <i>Polymer Engineering and Science</i> , 0, , .	1.5	1
1524	Toward an Understanding of the Role of Fabrication Conditions During Polymeric Membranes Modification: A Review of the Effect of Titanium, Aluminum, and Silica Nanoparticles on Performance. <i>Arabian Journal for Science and Engineering</i> , 2023, 48, 8253-8285.	1.7	0
1525	Switchable Piezoelectricity of Polyvinylidene Fluoride Films Induced by Crystal Transition in Shape Memory Process. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 40331-40343.	4.0	4
1526	Preparation of antifouling and antibacterial polyvinylidene fluoride membrane by incorporating functionalized multiwalled carbon nanotubes. <i>Journal of Water Process Engineering</i> , 2022, 49, 103042.	2.6	7
1527	Fabrication polyvinyl chloride mixed matrix membrane via embedding Fe ₃ O ₄ / polydopamine /Ag nanocomposite for water treatment. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 285, 115935.	1.7	17
1528	Hexagonal boron nitride nanosheets incorporated photocatalytic polyvinylidene fluoride mixed matrix membranes for textile wastewater treatment via vacuum-assisted distillation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 653, 129955.	2.3	3
1529	Organic-inorganic composite ultrafiltration membrane with anti-fouling and catalytic properties by in-situ co-casting for water treatment. <i>Journal of Membrane Science</i> , 2022, 662, 120984.	4.1	9
1530	Treatment of oily wastewater using photocatalytic membrane reactors: A critical review. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108539.	3.3	35
1531	Electrospun nanofibrous membranes for membrane distillation. , 2022, , 215-261.		2
1532	A critical review on advanced anaerobic membrane bioreactors (AnMBRs) for wastewater treatment: advanced membrane materials and energy demand. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 2126-2144.	1.2	6
1533	Influence of ethanol content and temperature in coagulation bath on the microstructure and performance of polyvinylidene fluoride ultrafiltration membranes. <i>Ferroelectrics</i> , 2022, 595, 73-87.	0.3	2

#	ARTICLE	IF	CITATIONS
1534	Fabrication and properties of modified PVDF dielectric films with high ductility. , 2022, , .		1
1535	Polyester-Based Coatings for Corrosion Protection. <i>Polymers</i> , 2022, 14, 3413.	2.0	16
1536	Catalytic Dye Oxidation over CeO ₂ Nanoparticles Supported on Regenerated Cellulose Membrane. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2022, 17, 554-564.	0.5	0
1537	Poly(vinylidene fluoride)/molybdenum disulfide nanocomposite coatings: Studying the surface properties and corrosion protection. <i>Polymer Composites</i> , 2022, 43, 8974-8985.	2.3	5
1538	2D Ag Ion-Loaded Anionic Nanosheets for Polymer-Based Film with Durable Antibacterial Activities. <i>ACS Omega</i> , 2022, 7, 33858-33865.	1.6	1
1539	Progress in alumina ceramic membranes for water purification: Status and prospects. <i>Water Research</i> , 2022, 226, 119173.	5.3	23
1540	A review of seawater desalination with membrane distillation: material development and energy requirements. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 8500-8526.	1.0	3
1541	KrF excimer laser-modified PVDF binder and its application in high-performance Li-ion battery. <i>Ionics</i> , 2022, 28, 5109-5117.	1.2	1
1542	A Brief Introduction and Current State of Polyvinylidene Fluoride as an Energy Harvester. <i>Coatings</i> , 2022, 12, 1429.	1.2	7
1543	Lightweight and tough PVDF foams via high-pressure foam injection molding with core-back operation. <i>Polymer Engineering and Science</i> , 2022, 62, 3543-3552.	1.5	1
1544	Morphology and Surface Characteristics of PVDF/Poly(2-methoxyethyl acrylate) Blend Membranes Prepared via NIPS and Their pH-Independent Low-Fouling Properties. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 15326-15335.	1.8	0
1545	Calcium ion crosslinked sodium alginate coated PVDF membrane for improved smart pH-responsive properties. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108684.	3.3	15
1546	A functionalized separator enables dendrite-free Zn anode via metal-polydopamine coordination chemistry. <i>Informa Mater</i> , 2023, 5, .	8.5	109
1547	Hierarchically Porous Films Architected by Self-Assembly of Prolamins at the Air-Liquid Interface. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 47345-47358.	4.0	5
1548	Surface modification of PVDF membrane via graft polymerization of acetic and acrylic acid. <i>IOP Conference Series: Materials Science and Engineering</i> , 2022, 1257, 012032.	0.3	1
1549	Preparation and characterization of mixed matrix membranes based on PVDF blend and hydrophilic molecularly imprinted MIL-101 (Cr) as filler for efficient selective removal of dye. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108864.	3.3	13
1550	Sustainable Superhydrophobic PVDF-Grafted Cellulose Membrane for Oil/Water Separation. <i>ACS Applied Polymer Materials</i> , 2022, 4, 8441-8449.	2.0	2
1551	Prospects of Polymeric Nanocomposite Membranes for Water Purification and Scalability and their Health and Environmental Impacts: A Review. <i>Nanomaterials</i> , 2022, 12, 3637.	1.9	15

#	ARTICLE	IF	CITATIONS
1552	Impact of Membrane Modification and Surface Immobilization Techniques on the Hemocompatibility of Hemodialysis Membranes: A Critical Review. <i>Membranes</i> , 2022, 12, 1063.	1.4	3
1553	Recent advances of metal-organic frameworks-based proton exchange membranes in fuel cell applications. <i>SusMat</i> , 2022, 2, 504-534.	7.8	22
1554	Performance, limitation, and opportunities of acid-resistant nanofiltration membranes for industrial wastewater treatment. <i>Journal of Membrane Science</i> , 2023, 666, 121142.	4.1	30
1555	High-performance flexible electrothermal Joule heaters from laser reduced F-N Co-doped graphene oxide with extended Sp ² networks. <i>FlatChem</i> , 2022, 36, 100437.	2.8	6
1556	Multifunctional sensors for respiration monitoring and antibacterial activity based on piezoelectric PVDF/BZT-0.5BCT nanoparticle composite nanofibers. <i>Smart Materials and Structures</i> , 2022, 31, 125002.	1.8	4
1557	Micro-polluted water resources treatment by PVDF-TiO ₂ membrane combined with Fe ²⁺ /sodium dithionite (DTN)/O ₂ pre-oxidation process. <i>Chemosphere</i> , 2023, 311, 136998.	4.2	5
1558	The impact of PET microplastic fibres on PVDF ultrafiltration performance – A short-term assessment of MP fouling in simple and complex matrices. <i>Chemosphere</i> , 2023, 310, 136891.	4.2	8
1559	Magnetic, mechanical, electrical properties and coupling effects of particle reinforced piezoelectric polymer matrix composites. <i>Composite Structures</i> , 2023, 304, 116450.	3.1	5
1560	Cleaning loss sensors on combine harvesters: a literature review. , 2022, , .		0
1561	Current State-of-the-Art in Membrane Formation from Ultra-High Molecular Weight Polyethylene. <i>Membranes</i> , 2022, 12, 1137.	1.4	7
1562	Size Effect in Hybrid TiO ₂ :Au Nanostars for Photocatalytic Water Remediation Applications. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13741.	1.8	6
1563	Effect of Composition and Viscosity of Spinning Solution on Ultrafiltration Properties of Polyphenylene Sulfone Hollow-Fiber Membranes. <i>Membranes</i> , 2022, 12, 1113.	1.4	3
1564	Brief Review of PVDF Properties and Applications Potential. <i>Polymers</i> , 2022, 14, 4793.	2.0	44
1566	Air Instability of Ni-Rich Layered Oxides – A Roadblock to Large Scale Application. <i>Advanced Energy Materials</i> , 2023, 13, .	10.2	15
1567	Recent advances in thin film nanocomposite membranes containing an interlayer (TFNi): fabrication, applications, characterization and perspectives. <i>RSC Advances</i> , 2022, 12, 34245-34267.	1.7	2
1568	Construction of novel Heat-conducting Cu-based MOF nanocomposite (HK-mBNNs/PVDF) film for highly efficient Ad-/desorption of toluene. <i>Chemical Engineering Journal</i> , 2023, 456, 140964.	6.6	6
1569	PVDF/BNNs nanocomposite membrane for simultaneous removal of Tetracycline and Ofloxacin from water. <i>Journal of Molecular Liquids</i> , 2023, 370, 120970.	2.3	3
1570	Improved dielectric performance of polyvinylidene fluoride (PVDF) - Carbon dots composites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2023, 147, 115589.	1.3	4

#	ARTICLE	IF	CITATIONS
1571	Unprecedented water permeation in nanostructured PVDF membranes prepared by unidirectional freezing and surface melting method. <i>Journal of Membrane Science</i> , 2023, 669, 121299.	4.1	1
1572	Phase separation behaviour modification using co-solvents on PVDF membranes for water filtration. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
1573	Mechanical Performance of Polymer Materials for Low-Temperature Applications. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12251.	1.3	2
1574	Synthesis of phenolphthalein/bisphenol A based poly(arylene ether nitrile) copolymers: Preparation and properties of films. <i>Journal of Applied Polymer Science</i> , 2023, 140, .	1.3	0
1575	Polymer Membranes as Innovative Means of Quality Restoring for Wastewater Bearing Heavy Metals. <i>Membranes</i> , 2022, 12, 1179.	1.4	7
1576	Chemical cleaning solvent treatment hydrophilic modification strategy for regenerating end-of-life PVDF membrane. <i>Journal of Membrane Science</i> , 2023, 669, 121325.	4.1	4
1577	Effect of Polyvinylidene Fluoride Membrane Production Conditions on Its Structure and Performance Characteristics. <i>Polymers</i> , 2022, 14, 5283.	2.0	1
1578	Enhancing the Performance of PVDF/GO Ultrafiltration Membrane via Improving the Dispersion of GO with Homogeniser. <i>Membranes</i> , 2022, 12, 1268.	1.4	6
1579	Supercritical Phase Inversion to Produce Photocatalytic Active PVDF-coHFP_TiO2 Composites for the Degradation of Sudan Blue II Dye. <i>Materials</i> , 2022, 15, 8894.	1.3	1
1580	Facile, green and scalable preparation of low-cost PET-PVDF felts for oil absorption and oil/water separation. <i>Journal of Hazardous Materials</i> , 2023, 448, 130804.	6.5	5
1581	Selective separation of dyes by green composite membrane based on polylactide with carboxylated cellulose microfibril from empty fruit bunch. <i>International Journal of Biological Macromolecules</i> , 2023, 225, 1607-1619.	3.6	7
1582	Future prospects and recent developments of polyvinylidene fluoride (PVDF) piezoelectric polymer; fabrication methods, structure, and electro-mechanical properties. <i>RSC Advances</i> , 2022, 13, 370-387.	1.7	55
1583	Investigation of synthesis of forward osmosis membrane for water remediation. <i>Materials Today: Proceedings</i> , 2023, , .	0.9	0
1584	Fast and Integral Nano-Surface-Coating of Various Fiber Materials via Interfacial Polymerization. <i>ACS Macro Letters</i> , 2023, 12, 93-100.	2.3	0
1585	Preparation of Poly(acrylic acid-co-acrylamide) Hydrogel Modified PVDF Membrane and Its Separation and Antibacterial Properties. <i>Macromolecular Chemistry and Physics</i> , 2023, 224, .	1.1	0
1586	Fabrication of firm, superhydrophobic and antimicrobial PVDF@ZnO@TA@DT electrospun nanofibrous membranes for emulsion separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, 662, 130962.	2.3	12
1587	Use of Nucleating Agent NA11 in the Preparation of Polyvinylidene Fluoride Dual-Layer Hollow Fiber Membranes. <i>Membranes</i> , 2023, 13, 75.	1.4	3
1588	New Materials and Phenomena in Membrane Distillation. <i>Chemistry</i> , 2023, 5, 65-84.	0.9	2

#	ARTICLE	IF	CITATIONS
1589	Hybrid TiO ₂ :Au nanostars based polymeric membranes for photocatalytic degradation of ciprofloxacin in water samples. <i>Chemosphere</i> , 2023, 313, 137630.	4.2	4
1590	Synthesis and characterization of <sc>PES</sc>/<sc>PSF</sc>/<sc>PEG</sc> by immersion precipitation for Mediterranean seawater desalination by <sc>FO</sc> membrane. <i>Polymer Engineering and Science</i> , 2023, 63, 509-520.	1.5	4
1591	Dielectric Switching and Ferroelectric Studies of $\hat{1}\pm, \hat{1}^3$ PVDF Phases for Energy Storage Properties. <i>Integrated Ferroelectrics</i> , 2023, 231, 142-152.	0.3	1
1592	Special Wettable Membranes for Oil/Water Separations: A Brief Overview of Properties, Types, and Recent Progress. <i>Colloids and Interfaces</i> , 2023, 7, 11.	0.9	2
1593	Biological nutrient recovery from wastewater for circular economy. , 2023, , 355-412.		1
1595	Preparation of polyvinylidene fluoride/zeolite hybrid membrane for textile dyes filtration. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
1596	Classification of membranes: With respect to pore size, material, and module type. , 2023, , 3-17.		0
1597	Grafting of Maleic Anhydride onto Poly(vinylidene fluoride) Using Reactive Extrusion. <i>Molecules</i> , 2023, 28, 2246.	1.7	1
1598	Stability of Superhydrophobicity and Structure of PVDF Membranes Treated by Vacuum Oxygen Plasma and Organofluorosilanisation. <i>Membranes</i> , 2023, 13, 314.	1.4	3
1599	Optimization of PVDF-TrFE Based Electro-Conductive Nanofibers: Morphology and In Vitro Response. <i>Materials</i> , 2023, 16, 3106.	1.3	1
1600	Effective electrical stimulation by a Poly(L-lactic acid)/Vitamin B2-Based piezoelectric generator promotes wound healing. <i>European Polymer Journal</i> , 2023, 189, 111962.	2.6	6
1601	Chemical cleaning and membrane aging of poly(vinylidene fluoride) (PVDF) membranes fabricated via non-solvent induced phase separation (NIPS) and thermally induced phase separation (TIPS). <i>Separation and Purification Technology</i> , 2023, 313, 123488.	3.9	8
1602	A novel glue attachment approach for precise anchoring of hydrophilic EGCG to enhance the separation performance and antifouling properties of PVDF membranes. <i>Chemical Engineering Journal</i> , 2023, 464, 142585.	6.6	5
1603	High performance membrane filtration coupled with PMS/CoFe ₂ O ₄ catalytic degradation for dyes. <i>Chemical Engineering Research and Design</i> , 2023, 193, 660-668.	2.7	2
1604	Enhancing quorum quenching media with 3D robust electrospinning coating: A novel biofouling control strategy for membrane bioreactors. <i>Water Research</i> , 2023, 234, 119830.	5.3	9
1605	Protein-folding-inspired approach for UF fouling mitigation using elevated membrane cleaning temperature and residual hydrophobic-modified flocculant after flocculation-sedimentation pre-treatment. <i>Water Research</i> , 2023, 236, 119942.	5.3	2
1606	An experimental study of the combustion characteristics of novel Al/MOX/PVDF metastable intermixed composites. <i>Aerospace Science and Technology</i> , 2023, 137, 108263.	2.5	7
1607	Development of nano titania/polyvinylidene fluoride composite from new titanium(IV) derivative and its investigation on antibacterial, BSA interaction and cytotoxicity. <i>Materials Today Communications</i> , 2023, 35, 105774.	0.9	0

#	ARTICLE	IF	CITATIONS
1608	Ultrathin g-C ₃ N ₄ composite Bi ₂ WO ₆ embedded in PVDF UF membrane with enhanced permeability, anti-fouling performance and durability for efficient removal of atrazine. <i>Journal of Hazardous Materials</i> , 2023, 451, 131154.	6.5	13
1609	Poly(vinylidene fluoride) membrane with immobilized TiO ₂ for degradation of steroid hormone micropollutants in a photocatalytic membrane reactor. <i>Journal of Hazardous Materials</i> , 2023, 447, 130832.	6.5	16
1610	Dielectric Characterization of Core-Shell Structured Poly(vinylidene fluoride)-grafted-BaTiO ₃ Nanocomposites. <i>Polymers</i> , 2023, 15, 595.	2.0	12
1611	Arrested Phase Separation Enables Optimal Light Management toward High-Performance Passive Radiative Cooling Film. <i>Industrial & Engineering Chemistry Research</i> , 2023, 62, 3176-3182.	1.8	1
1612	Investigation of the Effect of Atmospheric Plasma Treatment in Nanofiber and Nanocomposite Membranes for Piezoelectric Applications. <i>Membranes</i> , 2023, 13, 231.	1.4	0
1613	Amphiphilic Grafted Polymers Based on Citric Acid and Aniline Used to Enhance the Antifouling and Permeability Properties of PES Membranes. <i>Molecules</i> , 2023, 28, 1936.	1.7	2
1614	Leaf vein-biomimetic nanofibrous membrane with self-assembled nanonet for surface filtration of water contaminants. <i>Environmental Science: Nano</i> , 2023, 10, 1030-1039.	2.2	3
1615	Controlling Cellulose Membrane Performance via Solvent Choice during Precursor Membrane Formation. <i>ACS Applied Polymer Materials</i> , 2023, 5, 2185-2194.	2.0	3
1616	Enhanced Power Generation by Piezoelectric P(VDF-TrFE)/rGO Nanocomposite Thin Film. <i>Nanomaterials</i> , 2023, 13, 860.	1.9	5
1617	Potentialities of membrane distillation and membrane crystallization. , 2023, , 437-461.		1
1618	Adsorption of Biomimetic Amphiphilic Heteropolymers onto Graphene and Its Derivatives. <i>Macromolecules</i> , 2023, 56, 1798-1809.	2.2	1
1619	Novel Mixed Matrix Membranes Based on Poly(vinylidene fluoride): Development, Characterization, Modeling. <i>Polymers</i> , 2023, 15, 1222.	2.0	2
1620	Formation of Porous Structures and Crystalline Phases in Poly(vinylidene fluoride) Membranes Prepared with Nonsolvent-Induced Phase Separation—Roles of Solvent Polarity. <i>Polymers</i> , 2023, 15, 1314.	2.0	9
1621	Ferroelectric Ceramic-Polymer Nanocomposites for Applications in Dielectric Energy Storage Capacitors. , 2023, , 463-498.		1
1622	A highly efficient piezoelectric elastomer with a green product cycle from fabrication to degradation. <i>Journal of Materials Science</i> , 2023, 58, 4840-4852.	1.7	3
1624	Electrical impedance spectroscopy for non-destructive detection of wetting, fouling and scaling in membrane distillation. <i>Journal of Water Process Engineering</i> , 2023, 53, 103608.	2.6	3
1625	Preparation and Characterization of PVDF/TiO ₂ Mixed-Matrix Membrane with PVP and PEG as Pore-Forming Agents for BSA Rejection. <i>Nanomaterials</i> , 2023, 13, 1023.	1.9	11
1626	Rationalizing the Dependence of Poly (Vinylidene Difluoride) (PVDF) Rheological Performance on the Nano-Silica. <i>Nanomaterials</i> , 2023, 13, 1096.	1.9	3

#	ARTICLE	IF	CITATIONS
1627	Modification of a PES microfiltration membrane to enhance sterile filtration by inhibiting protein adsorption. <i>Journal of Industrial and Engineering Chemistry</i> , 2023, 123, 311-319.	2.9	2
1628	Electrospun PVDF Membranes Incorporated with Functionalized Carbon-based Material for Removal of Cationic Dyes. <i>Sakarya University Journal of Science</i> , 0, , .	0.3	0
1629	Tuning PVDF Membrane Porosity and Wettability Resistance via Varying Substrate Morphology for the Desalination of Highly Saline Water. <i>Membranes</i> , 2023, 13, 395.	1.4	2
1630	Trends and future outlooks in circularity of desalination membrane materials. , 0, 2, .		1
1631	Robust self-cleaning membrane with superhydrophilicity and underwater superoleophobicity for oil-in-water separation. <i>Chemosphere</i> , 2023, 330, 138706.	4.2	6
1632	Incorporating Mesoporous Anatase TiO ₂ Spheres to Conductive Carbon Black Filled PVDF Membrane for Self-Cleaning Photo(electro)catalytic Filtration. <i>Journal of Physical Chemistry C</i> , 2023, 127, 7998-8005.	1.5	1
1633	Fabrication and Evaluation of Filtration Membranes from Industrial Polymer Waste. <i>Membranes</i> , 2023, 13, 445.	1.4	1
1636	Nanomaterials and nanocomposites for surface protection. , 2023, , 19-40.		0
1660	Design and characterization of molecular, crystal and interfacial structures of PVDF-based dielectric nanocomposites for electric energy storage. <i>Soft Matter</i> , 2023, 19, 4401-4431.	1.2	2
1682	Fluoropolymer nanocomposite membranes for gas separation applications. , 2023, , 485-528.		0
1683	Polymeric/ceramic membranes for water reuse. , 2023, , 65-92.		0
1684	Molecular dynamics simulations and theoretical modeling studies of fluoropolymer nanocomposites. , 2023, , 787-807.		0
1685	Fluoropolymer nanocomposite membranes for fuel cell applications. , 2023, , 597-643.		0
1686	Fluoropolymer nanocomposites for water desalination applications. , 2023, , 529-559.		0
1705	Hydrogen gas separation through membrane technology and sustainability analysis of membrane: a review. <i>Emergent Materials</i> , 0, , .	3.2	0
1711	Electrospun Porous Carbon Nanofibers from PVDF Source. <i>Springer Proceedings in Materials</i> , 2023, , 27-37.	0.1	0
1715	Superhydrophobic Membrane for Gas-Liquid Membrane Contactor Applications. , 0, , .		0
1752	Electrospinning-Based Super Liquid-Repellent Membranes for Membrane Distillation: Theory, Fabrications, Applications, and Challenges. , 0, , .		0

#	ARTICLE	IF	CITATIONS
1761	Novel blend polymer electrolyte membrane as potential separator for lithium ion battery. AIP Conference Proceedings, 2024, , .	0.3	0
1767	Polymer membrane-based systems. , 2024, , 47-63.		0
1776	Production of Polymeric Membranes Based on Activated Carbons for Wastewater Treatment. , 0, , .		0