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List of Publications by Year in descending order

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186
papers

14,303
citations

18436

62
h-index

21474

114
g-index

201
all docs

201
docs citations

201
times ranked

11927
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined Filtration and Flocculation for <i>Chlorella vulgaris</i> Harvesting. <i>Micro and Nanosystems</i> , 2023, 15, 28-34.	0.3	0
2	Solvent-Resistant UV-Cured Polysulfone Support Membranes Using a Green Solvent. <i>Membranes</i> , 2022, 12, 1.	1.4	2
3	MOF/Polymer Mixed-Matrix Membranes Preparation: Effect of Main Synthesis Parameters on CO ₂ /CH ₄ Separation Performance. <i>Membranes</i> , 2022, 12, 425.	1.4	11
4	The significant role of enantiomeric excess of the monomer in binaphthalene-based polymer membranes. <i>Journal of Membrane Science</i> , 2022, 656, 120570.	4.1	3
5	Exploiting flocculation and membrane filtration synergies for highly energy-efficient, high-yield microalgae harvesting. <i>Separation and Purification Technology</i> , 2022, 296, 121386.	3.9	10
6	Elucidating the Roles of Polyamide Layer Structural Properties in the Permeability-Selectivity Tradeoff Governing Aqueous Separations. <i>ACS ES&T Engineering</i> , 2022, 2, 1857-1870.	3.7	4
7	Enhanced microalgal biofilm formation and facilitated microalgae harvesting using a novel pH-responsive, crosslinked patterned and vibrating membrane. <i>Chemical Engineering Journal</i> , 2021, 410, 127390.	6.6	20
8	Preparation of full-bio-based nanofiltration membranes. <i>Journal of Membrane Science</i> , 2021, 618, 118674.	4.1	27
9	The influence of pore aperture, volume and functionality of isoreticular gmelinite zeolitic imidazolate frameworks on the mixed gas CO ₂ /N ₂ and CO ₂ /CH ₄ separation performance in mixed matrix membranes. <i>Separation and Purification Technology</i> , 2021, 260, 118103.	3.9	14
10	Transport of organic solutes in ion-exchange membranes: Mechanisms and influence of solvent ionic composition. <i>Water Research</i> , 2021, 190, 116756.	5.3	12
11	Template-Mediated Control over Polymorphism in the Vapor-Assisted Formation of Zeolitic Imidazolate Framework Powders and Films. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7553-7558.	7.2	20
12	Investigation of ZIF-78 Morphology and Feed Composition on the Mixed Gas CO ₂ /N ₂ Separation Performance in Mixed Matrix Membranes. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001478.	1.9	11
13	Harvesting microalgae using vibrating, negatively charged, patterned polysulfone membranes. <i>Journal of Membrane Science</i> , 2021, 618, 118617.	4.1	27
14	Harvesting microalgal biomass using negatively charged polysulfone patterned membranes: Influence of pattern shapes and mechanism of fouling mitigation. <i>Water Research</i> , 2021, 188, 116530.	5.3	28
15	Tuning the Electrochemical Properties of Novel Asymmetric Integral Sulfonated Polysulfone Cation Exchange Membranes. <i>Molecules</i> , 2021, 26, 265.	1.7	6
16	Correlating MOF-808 parameters with mixed-matrix membrane (MMM) CO ₂ permeation for a more rational MMM development. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12782-12796.	5.2	26
17	Template-Mediated Control over Polymorphism in the Vapor-Assisted Formation of Zeolitic Imidazolate Framework Powders and Films. <i>Angewandte Chemie</i> , 2021, 133, 7631-7636.	1.6	2
18	Self-sealing thermoplastic fluoroelastomer enables rapid fabrication of modular microreactors. <i>Nano Select</i> , 2021, 2, 1385-1402.	1.9	3

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19	Porosimetry for Thin Films of Metal-Organic Frameworks: A Comparison of Positron Annihilation Lifetime Spectroscopy and Adsorption-Based Methods. <i>Advanced Materials</i> , 2021, 33, e2006993.	11.1	40
20	Porosimetry: Porosimetry for Thin Films of Metal-Organic Frameworks: A Comparison of Positron Annihilation Lifetime Spectroscopy and Adsorption-Based Methods (Adv. Mater. 17/2021). <i>Advanced Materials</i> , 2021, 33, 2170133.	11.1	3
21	Use of Ionic Liquids and Co-Solvents for Synthesis of Thin-Film Composite Membranes. <i>Membranes</i> , 2021, 11, 297.	1.4	4
22	Epoxy-based solvent-tolerant nanofiltration membranes prepared via non-solvent induced phase inversion as novel class of stable membranes. <i>Journal of Membrane Science</i> , 2021, 626, 119206.	4.1	19
23	̢-Valerolactone as Bio-Based Solvent for Nanofiltration Membrane Preparation. <i>Membranes</i> , 2021, 11, 418.	1.4	14
24	Combining patterned membrane filtration and flocculation for economical microalgae harvesting. <i>Water Research</i> , 2021, 198, 117181.	5.3	36
25	Fluorinated MOF-808 with various modulators to fabricate high-performance hybrid membranes with enhanced hydrophobicity for organic-organic pervaporation. <i>Separation and Purification Technology</i> , 2021, 264, 118315.	3.9	23
26	Comparing the Performance of Organic Solvent Nanofiltration Membranes in Non-Polar Solvents. <i>Chemie-Ingenieur-Technik</i> , 2021, 93, 1389-1395.	0.4	10
27	Chlorine-Resistant Epoxide-Based Membranes for Sustainable Water Desalination. <i>Environmental Science and Technology Letters</i> , 2021, 8, 818-824.	3.9	12
28	Tortuous mixed matrix membranes: A subtle balance between microporosity and compatibility. <i>Journal of Membrane Science</i> , 2021, 635, 119517.	4.1	9
29	Tailoring the separation performance of ZIF-based mixed matrix membranes by MOF-matrix interfacial compatibilization. <i>Journal of Membrane Science</i> , 2021, 637, 119642.	4.1	23
30	Ultra-thin and highly porous PVDF-filters prepared via phase inversion for potential medical (COVID-19) and industrial use. <i>Journal of Membrane Science</i> , 2021, 639, 119710.	4.1	10
31	Recent advances in polymer membranes employing non-toxic solvents and materials. <i>Green Chemistry</i> , 2021, 23, 9815-9843.	4.6	71
32	Green preparation process using methyl lactate for cellulose-acetate-based nanofiltration membranes. <i>Separation and Purification Technology</i> , 2020, 232, 115903.	3.9	51
33	Novel heterogeneous ruthenium racemization catalyst for dynamic kinetic resolution of chiral aliphatic amines. <i>Green Chemistry</i> , 2020, 22, 85-93.	4.6	9
34	A highly efficient and energy-saving magnetically induced membrane vibration system for harvesting microalgae. <i>Bioresource Technology</i> , 2020, 300, 122688.	4.8	33
35	High-Performance CO ₂ -Selective Hybrid Membranes by Exploiting MOF-Breathing Effects. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2952-2961.	4.0	32
36	Layer-by-Layer Assembled Hydrogen-Bonded Multilayer Poly(2-oxazoline) Membranes for Aqueous Separations. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5398-5405.	2.0	7

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37	Poly[3-ethyl-1-vinyl-imidazolium] diethyl phosphate/Pebax® 1657 Composite Membranes and Their Gas Separation Performance. <i>Membranes</i> , 2020, 10, 224.	1.4	4
38	Aqueous Flow Reactor and Vapour-Assisted Synthesis of Aluminium Dicarboxylate Metal-Organic Frameworks with Tuneable Water Sorption Properties. <i>Chemistry - A European Journal</i> , 2020, 26, 10841-10848.	1.7	13
39	Tuning 6FDA-DABA membrane performance for CO ₂ removal by physical densification and decarboxylation cross-linking during simple thermal treatment. <i>Journal of Membrane Science</i> , 2020, 610, 118195.	4.1	30
40	A scalable crosslinking method for PVDF-based nanofiltration membranes for use under extreme pH conditions. <i>Journal of Membrane Science</i> , 2020, 611, 118274.	4.1	27
41	Controlled chlorination of polyamide reverse osmosis membranes at real scale for enhanced desalination performance. <i>Journal of Membrane Science</i> , 2020, 611, 118400.	4.1	18
42	Water Vapour Promotes CO ₂ Transport in Poly(ionic liquid)/Ionic Liquid-Based Thin-Film Composite Membranes Containing Zinc Salt for Flue Gas Treatment. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3859.	1.3	7
43	The significant role of support layer solvent annealing in interfacial polymerization: The case of epoxide-based membranes. <i>Journal of Membrane Science</i> , 2020, 612, 118438.	4.1	11
44	Highly Soluble 1,4-Diaminoanthraquinone Derivative for Nonaqueous Symmetric Redox Flow Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3832-3843.	3.2	44
45	Ni-Catalyzed reductive amination of phenols with ammonia or amines into cyclohexylamines. <i>Green Chemistry</i> , 2020, 22, 1884-1893.	4.6	38
46	Solvent-Free Powder Synthesis and MOF-CVD Thin Films of the Large-Pore Metal-Organic Framework MAF-6. <i>Chemistry of Materials</i> , 2020, 32, 1784-1793.	3.2	62
47	Interfacial polymerization of thin-film composite forward osmosis membranes using ionic liquids as organic reagent phase. <i>Journal of Membrane Science</i> , 2020, 601, 117869.	4.1	31
48	Binaphthalene-based polymer membranes with enhanced performance for solvent-resistant nanofiltration. <i>Journal of Membrane Science</i> , 2020, 606, 118066.	4.1	25
49	Optimization of patterned polysulfone membranes for microalgae harvesting. <i>Bioresource Technology</i> , 2020, 309, 123367.	4.8	26
50	Elemental Depth Profiling of Chlorinated Polyamide-Based Thin-Film Composite Membranes with Elastic Recoil Detection. <i>Environmental Science & Technology</i> , 2019, 53, 8640-8648.	4.6	11
51	Applicability of Organic Carbonates as Green Solvents for Membrane Preparation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13774-13785.	3.2	79
52	Modulator-Mediated Functionalization of MOF-808 as a Platform Tool to Create High-Performance Mixed-Matrix Membranes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44792-44801.	4.0	35
53	Bipyridine-based UiO-67 as novel filler in mixed-matrix membranes for CO ₂ -selective gas separation. <i>Journal of Membrane Science</i> , 2019, 576, 78-87.	4.1	75
54	Use of γ -valerolactone and glycerol derivatives as bio-based renewable solvents for membrane preparation. <i>Green Chemistry</i> , 2019, 21, 1054-1064.	4.6	84

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55	Crosslinked Polyvinylnorbornene-Based Membranes as a New Class of Solvent-Resistant Nanofiltration Membranes. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1593-1600.	2.5	4
56	Polyvinylnorbornene Gas Separation Membranes. <i>Polymers</i> , 2019, 11, 704.	2.0	14
57	Metal ion exchange in Prussian blue analogues: Cu(II)-exchanged Zn-Co PBAs as highly selective catalysts for A ³ coupling. <i>Dalton Transactions</i> , 2019, 48, 3946-3954.	1.6	17
58	Layered Zn ₂ [Co(CN) ₆](CH ₃ COO) double metal cyanide: a two-dimensional DMC phase with excellent catalytic performance. <i>Chemical Science</i> , 2019, 10, 4868-4875.	3.7	24
59	Preparation of solvent resistant supports through formation of a semi-interpenetrating polysulfone/polyacrylate network using UV cross-linking – Part 1: Selection of optimal UV curing conditions. <i>Reactive and Functional Polymers</i> , 2019, 136, 189-197.	2.0	5
60	Transferring bulk chemistry to interfacial synthesis of TFC-membranes to create chemically robust poly(epoxyether) films. <i>Journal of Membrane Science</i> , 2019, 582, 442-453.	4.1	24
61	Fine-tuning the molecular structure of binaphthalene polyimides for gas separations. <i>European Polymer Journal</i> , 2019, 114, 134-143.	2.6	14
62	Magnetically induced membrane vibration (MMV) system for wastewater treatment. <i>Separation and Purification Technology</i> , 2019, 211, 909-916.	3.9	23
63	Crosslinked PVDF membranes for aqueous and extreme pH nanofiltration. <i>Journal of Membrane Science</i> , 2019, 572, 489-495.	4.1	51
64	Full elemental depth-profiling with nanoscale resolution: The potential of Elastic Recoil Detection (ERD) in membrane science. <i>Journal of Membrane Science</i> , 2019, 572, 102-109.	4.1	6
65	Reversible Optical Writing and Data Storage in an Anthracene-Loaded Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2423-2427.	7.2	102
66	High-performance membranes with full pH-stability. <i>RSC Advances</i> , 2018, 8, 8813-8827.	1.7	49
67	Influence of the molecular structure of polybinaphthalene on the membrane separation performance. <i>European Polymer Journal</i> , 2018, 101, 248-254.	2.6	9
68	Development of a polyvinylidene difluoride membrane for nanofiltration. <i>Journal of Membrane Science</i> , 2018, 557, 24-29.	4.1	45
69	Optimization of the ionic liquid-based interfacial polymerization system for the preparation of high-performance, low-fouling RO membranes. <i>Journal of Membrane Science</i> , 2018, 556, 342-351.	4.1	32
70	Tunable Prussian blue analogues for the selective synthesis of propargylamines through A ³ coupling. <i>Catalysis Science and Technology</i> , 2018, 8, 2061-2065.	2.1	23
71	Poly(vinylidene fluoride)-Based Membranes for Microalgae Filtration. <i>Chemical Engineering and Technology</i> , 2018, 41, 1305-1312.	0.9	15
72	Biofouling in membrane bioreactors: nexus between polyacrylonitrile surface charge and community composition. <i>Biofouling</i> , 2018, 34, 237-251.	0.8	5

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73	Blending PPO-based molecules with P _{ebax} MH 1657 in membranes for gas separation. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46433.	1.3	26
74	Real-scale chlorination at pH4 of BW30 TFC membranes and their physicochemical characterization. <i>Journal of Membrane Science</i> , 2018, 551, 123-135.	4.1	24
75	Tuning the gas separation performance of fluorinated and sulfonated PEEK membranes by incorporation of zeolite 4A. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45952.	1.3	32
76	Influence of the Composition and Preparation of the Rotating Disk Electrode on the Performance of Mesoporous Electrocatalysts in the Alkaline Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2018, 5, 119-128.	1.7	17
77	Reversible Optical Writing and Data Storage in an Anthracene-Loaded Metal-Organic Framework. <i>Angewandte Chemie</i> , 2018, 131, 2445.	1.6	24
78	Advanced porous membranes with slit-like selective layer for flow battery. <i>Nano Energy</i> , 2018, 54, 73-81.	8.2	48
79	Controlled Synthesis and Supramolecular Organization of Conjugated Star-Shaped Polymers. <i>Macromolecules</i> , 2018, 51, 8689-8697.	2.2	15
80	Crosslinked PVDF-membranes for solvent resistant nanofiltration. <i>Journal of Membrane Science</i> , 2018, 566, 223-230.	4.1	71
81	The role of MOFs in Thin-Film Nanocomposite (TFN) membranes. <i>Journal of Membrane Science</i> , 2018, 563, 938-948.	4.1	99
82	The performance of affordable and stable cellulose-based poly-ionic membranes in CO ₂ /N ₂ and CO ₂ /CH ₄ gas separation. <i>Journal of Membrane Science</i> , 2018, 564, 552-561.	4.1	69
83	Influence of Branching of Polythiophenes on the Microporosity. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800024.	1.1	6
84	Doped ordered mesoporous carbons as novel, selective electrocatalysts for the reduction of nitrobenzene to aniline. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13397-13411.	5.2	31
85	Improved MOF nanoparticle recovery and purification using crosslinked PVDF membranes. <i>Chemical Communications</i> , 2018, 54, 7370-7373.	2.2	15
86	Ultrathin Single Bilayer Separation Membranes Based on Hyperbranched Sulfonated Poly(aryleneoxindole). <i>Advanced Functional Materials</i> , 2017, 27, 1605068.	7.8	41
87	Solvent resistant nanofiltration for acetonitrile based feeds: A membrane screening. <i>Journal of Membrane Science</i> , 2017, 536, 176-185.	4.1	35
88	Chlorine-resistance of reverse osmosis (RO) polyamide membranes. <i>Progress in Polymer Science</i> , 2017, 72, 1-15.	11.8	229
89	A non-aqueous all-copper redox flow battery with highly soluble active species. <i>Electrochimica Acta</i> , 2017, 236, 116-121.	2.6	35
90	UV-cured polysulfone-based membranes: Effect of co-solvent addition and evaporation process on membrane morphology and SRNF performance. <i>Journal of Membrane Science</i> , 2017, 524, 729-737.	4.1	26

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91	Solvent-induced Rearrangement of Ion Transport Channels: A Way to Create Advanced Porous Membranes for Vanadium Flow Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1604587.	7.8	66
92	Vapor-fed solar hydrogen production exceeding 15% efficiency using earth abundant catalysts and anion exchange membrane. <i>Sustainable Energy and Fuels</i> , 2017, 1, 2061-2065.	2.5	37
93	Stabilising Ni catalysts for the dehydration-decarboxylation-hydrogenation of citric acid to methylsuccinic acid. <i>Green Chemistry</i> , 2017, 19, 4642-4650.	4.6	9
94	Boosting the Catalytic Performance of Metal-Organic Frameworks for Steroid Transformations by Confinement within a Mesoporous Scaffold. <i>Angewandte Chemie</i> , 2017, 129, 13487-13491.	1.6	9
95	Boosting the Catalytic Performance of Metal-Organic Frameworks for Steroid Transformations by Confinement within a Mesoporous Scaffold. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13302-13306.	7.2	63
96	Poly(vinylbenzyl chloride)-based poly(ionic liquids) as membranes for CO ₂ capture from flue gas. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19808-19818.	5.2	54
97	Highly selective gas separation membrane using in situ amorphised metal-organic frameworks. <i>Energy and Environmental Science</i> , 2017, 10, 2342-2351.	15.6	137
98	Transformation of cross-linked polyimide UF membranes into highly permeable SRNF membranes via solvent annealing. <i>Journal of Membrane Science</i> , 2017, 541, 205-213.	4.1	65
99	EB depth-curing as a facile method to prepare highly stable membranes. <i>RSC Advances</i> , 2016, 6, 55526-55533.	1.7	12
100	PDMS membranes containing ZIF-coated mesoporous silica spheres for efficient ethanol recovery via pervaporation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12790-12798.	5.2	60
101	Sustainable Process for the Preparation of High-Performance Thin-Film Composite Membranes using Ionic Liquids as the Reaction Medium. <i>ChemSusChem</i> , 2016, 9, 1101-1111.	3.6	56
102	Advanced Charged Sponge-Like Membrane with Ultrahigh Stability and Selectivity for Vanadium Flow Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 210-218.	7.8	139
103	Influence of support layer and PDMS coating conditions on composite membrane performance for ethanol/water separation by pervaporation. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	34
104	Mixed matrix membranes prepared from non-dried MOFs for CO ₂ /CH ₄ separations. <i>RSC Advances</i> , 2016, 6, 114505-114512.	1.7	20
105	Study of phase inversion parameters for EB-cured polysulfone-based membranes. <i>RSC Advances</i> , 2016, 6, 110916-110921.	1.7	10
106	Weak polyelectrolyte multilayers as tunable membranes for solvent resistant nanofiltration. <i>Journal of Membrane Science</i> , 2016, 514, 322-331.	4.1	58
107	Polyacrylonitrile membranes for microalgae filtration: Influence of porosity, surface charge and microalgae species on membrane fouling. <i>Algal Research</i> , 2016, 19, 128-137.	2.4	108
108	PDMS mixed matrix membranes filled with novel PSS-2 nanoparticles for ethanol/water separation by pervaporation. <i>RSC Advances</i> , 2016, 6, 78648-78651.	1.7	11

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109	Controlled positioning of MOFs in interfacially polymerized thin-film nanocomposites. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16368-16376.	5.2	120
110	High-performance porous uncharged membranes for vanadium flow battery applications created by tuning cohesive and swelling forces. <i>Energy and Environmental Science</i> , 2016, 9, 2319-2325.	15.6	108
111	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
112	Iron-containing N-doped carbon electrocatalysts for the cogeneration of hydroxylamine and electricity in a H ₂ -NO fuel cell. <i>Green Chemistry</i> , 2016, 18, 1547-1559.	4.6	30
113	Towards an all-copper redox flow battery based on a copper-containing ionic liquid. <i>Chemical Communications</i> , 2016, 52, 414-417.	2.2	34
114	Ribbed PVC-silica mixed matrix membranes for membrane bioreactors. <i>Journal of Membrane Science</i> , 2016, 498, 315-323.	4.1	26
115	Advanced porous membranes with ultra-high selectivity and stability for vanadium flow batteries. <i>Energy and Environmental Science</i> , 2016, 9, 441-447.	15.6	265
116	Understanding and guiding the phase inversion process for synthesis of solvent resistant nanofiltration membranes. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	322
117	Porous Materials: Submicrometer-Sized ZIF-71 Filled Organophilic Membranes for Improved Bioethanol Recovery: Mechanistic Insights by Monte Carlo Simulation and FTIR Spectroscopy (<i>Adv. Funct. Mater.</i>)	7.8	94
118	Decreasing membrane fouling during <i>Chlorella vulgaris</i> broth filtration via membrane development and coagulant assisted filtration. <i>Algal Research</i> , 2015, 9, 55-64.	2.4	31
119	Submicrometer-Sized ZIF-71 Filled Organophilic Membranes for Improved Bioethanol Recovery: Mechanistic Insights by Monte Carlo Simulation and FTIR Spectroscopy. <i>Advanced Functional Materials</i> , 2015, 25, 516-525.	7.8	94
120	Recent developments in thin film (nano)composite membranes for solvent resistant nanofiltration. <i>Current Opinion in Chemical Engineering</i> , 2015, 8, 45-54.	3.8	176
121	MOF-mixed matrix membranes: Precise dispersion of MOF particles with better compatibility via a particle fusion approach for enhanced gas separation properties. <i>Journal of Membrane Science</i> , 2015, 492, 21-31.	4.1	161
122	Critical Evaluation of the Determination Methods for Transparent Exopolymer Particles, Agents of Membrane Fouling. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 167-192.	6.6	24
123	Highly Stable Anion Exchange Membranes with Internal Cross-Linking Networks. <i>Advanced Functional Materials</i> , 2015, 25, 2583-2589.	7.8	114
124	Modulated UiO-66-Based Mixed-Matrix Membranes for CO ₂ Separation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25193-25201.	4.0	221
125	Efficient synthesis of interfacially polymerized membranes for solvent resistant nanofiltration. <i>Journal of Membrane Science</i> , 2015, 476, 356-363.	4.1	100
126	Study of synthesis parameters and active layer morphology of interfacially polymerized polyamide-polysulfone membranes. <i>Reactive and Functional Polymers</i> , 2015, 86, 199-208.	2.0	105

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127	Polymer supported ZIF-8 membranes prepared via an interfacial synthesis method. <i>Chemical Communications</i> , 2015, 51, 918-920.	2.2	187
128	Layer-by-layer preparation of polyelectrolyte multilayer membranes for separation. <i>Polymer Chemistry</i> , 2014, 5, 1817-1831.	1.9	286
129	Integrally skinned PSf-based SRNF-membranes prepared via phase inversion"Part B: Influence of low molecular weight additives. <i>Journal of Membrane Science</i> , 2014, 450, 499-511.	4.1	62
130	Integrally skinned PSf-based SRNF-membranes prepared via phase inversion"Part A: Influence of high molecular weight additives. <i>Journal of Membrane Science</i> , 2014, 450, 512-521.	4.1	52
131	Study of phase inversion parameters for PEEK-based nanofiltration membranes. <i>Journal of Membrane Science</i> , 2014, 452, 241-252.	4.1	71
132	Parameter Study on the Preparation of UV Depth-Cured Chemically Resistant Polysulfone-Based Membranes. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 614-623.	1.1	21
133	Impact of changes in broth composition on <i>Chlorella vulgaris</i> cultivation in a membrane photobioreactor (MPBR) with permeate recycle. <i>Bioresource Technology</i> , 2014, 152, 321-328.	4.8	54
134	Silver nanoparticles as localized "nano-heaters" under LED light irradiation to improve membrane performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3182.	5.2	31
135	Pure and Alloyed Copper-Based Nanoparticles Supported on Activated Carbon: Synthesis and Electrocatalytic Application in the Reduction of Nitrobenzene. <i>ChemElectroChem</i> , 2014, 1, 1198-1210.	1.7	28
136	Metal-free doped carbon materials as electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4085-4110.	5.2	683
137	Influence of UV curing on morphology and performance of polysulfone membranes containing acrylates. <i>Journal of Membrane Science</i> , 2014, 462, 17-27.	4.1	40
138	ZIF-71 as a potential filler to prepare pervaporation membranes for bio-alcohol recovery. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10034-10040.	5.2	170
139	Role of transparent exopolymer particles on membrane fouling in a full-scale ultrafiltration plant: Feed parameter analysis and membrane autopsy. <i>Bioresource Technology</i> , 2014, 173, 67-74.	4.8	17
140	Effect of chemical cleaning and membrane aging on membrane biofouling using model organisms with increasing complexity. <i>Journal of Membrane Science</i> , 2014, 457, 19-28.	4.1	30
141	Application of a magnetically induced membrane vibration (MMV) system for lignocelluloses hydrolysate filtration. <i>Journal of Membrane Science</i> , 2014, 452, 165-170.	4.1	16
142	Cu/Cu ₂ O and Pt nanoparticles supported on multi-walled carbon nanotubes as electrocatalysts for the reduction of nitrobenzene. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 330-339.	10.8	46
143	Crosslinking of modified poly(ether ether ketone) membranes for use in solvent resistant nanofiltration. <i>Journal of Membrane Science</i> , 2013, 447, 212-221.	4.1	78
144	Forward and pressure retarded osmosis: potential solutions for global challenges in energy and water supply. <i>Chemical Society Reviews</i> , 2013, 42, 6959.	18.7	409

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145	Mixed matrix membranes comprising of Matrimid and SO ₃ H functionalized mesoporous MCM-41 for gas separation. <i>Journal of Membrane Science</i> , 2013, 447, 73-79.	4.1	92
146	Study of polymer concentration and evaporation time as phase inversion parameters for polysulfone-based SRNF membranes. <i>Journal of Membrane Science</i> , 2013, 442, 196-205.	4.1	170
147	Synthesis of modified poly(ether ether ketone) polymer for the preparation of ultrafiltration and nanofiltration membranes via phase inversion. <i>Journal of Membrane Science</i> , 2013, 447, 96-106.	4.1	66
148	The electrocatalytic behaviour of Pt and Cu nanoparticles supported on carbon nanotubes for the nitrobenzene reduction in ethanol. <i>Electrochimica Acta</i> , 2013, 111, 405-410.	2.6	37
149	Synthesis of solvent stable polymeric membranes via UV depth-curing. <i>Chemical Communications</i> , 2013, 49, 11494.	2.2	46
150	Improving the performance of pervaporation membranes via localized heating through incorporation of silver nanoparticles. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15031.	5.2	21
151	Crosslinking polyimides for membrane applications: A review. <i>Progress in Polymer Science</i> , 2013, 38, 874-896.	11.8	457
152	Imidazolium methanesulfonate as a high temperature proton conductor. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2238-2247.	5.2	92
153	CO ₂ reverse selective mixed matrix membranes for H ₂ purification by incorporation of carbon-silica fillers. <i>Journal of Materials Chemistry A</i> , 2013, 1, 945-953.	5.2	31
154	Advanced charged membranes with highly symmetric spongy structures for vanadium flow battery application. <i>Energy and Environmental Science</i> , 2013, 6, 776.	15.6	123
155	Polyamide/Polyacrylonitrile (PA/PAN) thin film composite osmosis membranes: Film optimization, characterization and performance evaluation. <i>Journal of Membrane Science</i> , 2013, 445, 25-33.	4.1	222
156	Harvesting microalgal biomass using a magnetically induced membrane vibration (MMV) system: Filtration performance and energy consumption. <i>Bioresource Technology</i> , 2013, 138, 329-338.	4.8	119
157	Analysis of the microbial community structure in a membrane bioreactor during initial stages of filtration. <i>Biofouling</i> , 2012, 28, 225-238.	0.8	27
158	Physicochemical properties of phosphonium-based and ammonium-based protic ionic liquids. <i>Journal of Materials Chemistry</i> , 2012, 22, 20574.	6.7	93
159	Novel magnetically induced membrane vibration (MMV) for fouling control in membrane bioreactors. <i>Water Research</i> , 2012, 46, 63-72.	5.3	114
160	Optimization of solvent resistant nanofiltration membranes prepared by the in-situ diamine crosslinking method. <i>Journal of Membrane Science</i> , 2012, 421-422, 15-24.	4.1	59
161	SPEEK and functionalized mesoporous MCM-41 mixed matrix membranes for CO ₂ separations. <i>Journal of Materials Chemistry</i> , 2012, 22, 20057.	6.7	78
162	Harvesting microalgal biomass using submerged microfiltration membranes. <i>Bioresource Technology</i> , 2012, 111, 343-352.	4.8	208

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163	Protic ionic liquid and ionic melts prepared from methanesulfonic acid and 1H-1,2,4-triazole as high temperature PEMFC electrolytes. <i>Journal of Materials Chemistry</i> , 2011, 21, 10426.	6.7	69
164	Ion exchange membranes for vanadium redox flow battery (VRB) applications. <i>Energy and Environmental Science</i> , 2011, 4, 1147.	15.6	856
165	MOF-containing mixed-matrix membranes for CO ₂ /CH ₄ and CO ₂ /N ₂ binary gas mixture separations. <i>Separation and Purification Technology</i> , 2011, 81, 31-40.	3.9	364
166	A simplified diamine crosslinking method for PI nanofiltration membranes. <i>Journal of Membrane Science</i> , 2010, 353, 135-143.	4.1	162
167	Novel high throughput equipment for membrane-based gas separations. <i>Journal of Membrane Science</i> , 2010, 354, 32-39.	4.1	69
168	Asymmetric Matrimid®/[Cu ₃ (BTC) ₂] mixed-matrix membranes for gas separations. <i>Journal of Membrane Science</i> , 2010, 362, 478-487.	4.1	259
169	Ordered nanoporous membranes based on diblock copolymers with high chemical stability and tunable separation properties. <i>Journal of Materials Chemistry</i> , 2010, 20, 4333.	6.7	74
170	Membrane-based technologies for biogas separations. <i>Chemical Society Reviews</i> , 2010, 39, 750-768.	18.7	472
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172	High throughput study of phase inversion parameters for polyimide-based SRNF membranes. <i>Journal of Membrane Science</i> , 2009, 330, 307-318.	4.1	145
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176	Polypyrrole modified solvent resistant nanofiltration membranes. <i>Journal of Membrane Science</i> , 2008, 320, 143-150.	4.1	98
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179	Optimisation of a lab-scale method for preparation of composite membranes with a filled dense top-layer. <i>Journal of Membrane Science</i> , 2006, 281, 741-746.	4.1	62
180	High throughput screening for rapid development of membranes and membrane processes. <i>Journal of Membrane Science</i> , 2005, 250, 305-310.	4.1	95

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182	Increased catalytic productivity for nanofiltration-coupled Heck reactions using highly stable catalyst systems. <i>Green Chemistry</i> , 2002, 4, 319-324.	4.6	46
183	Nanofiltration-coupled catalysis to combine the advantages of homogeneous and heterogeneous catalysis. <i>Chemical Communications</i> , 2001, , 597-598.	2.2	87
184	Zeolite-Filled PDMS Membranes. 2. Pervaporation of Halogenated Hydrocarbons. <i>Journal of Physical Chemistry B</i> , 1997, 101, 2160-2163.	1.2	28
185	Silylation To Improve Incorporation of Zeolites in Polyimide Films. <i>The Journal of Physical Chemistry</i> , 1996, 100, 3753-3758.	2.9	96
186	Cathodic electrodeposition of MOF films using hydrogen peroxide. <i>Angewandte Chemie</i> , 0, , .	1.6	4