

# Andrew G Livingston

## List of Publications by Year in descending order

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281  
papers

18,009  
citations

13865

67  
h-index

17105

122  
g-index

290  
all docs

290  
docs citations

290  
times ranked

9577  
citing authors

#	ARTICLE	IF	CITATIONS
1	A smart and responsive crystalline porous organic cage membrane with switchable pore apertures for graded molecular sieving. <i>Nature Materials</i> , 2022, 21, 463-470.	27.5	108
2	Graft modification of polybenzimidazole membranes for organic solvent ultrafiltration with scale up to spiral wound modules. <i>Journal of Membrane Science</i> , 2022, 647, 120199.	8.2	8
3	Multimodal confined water dynamics in reverse osmosis polyamide membranes. <i>Nature Communications</i> , 2022, 13, 2809.	12.8	16
4	Liquid Phase Peptide Synthesis via One-Pot Nanostar Sieving (PEPSTAR). <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7786-7795.	13.8	20
5	Liquid Phase Peptide Synthesis via One-Pot Nanostar Sieving (PEPSTAR). <i>Angewandte Chemie</i> , 2021, 133, 7865-7874.	2.0	4
6	Membrane Fouling: Does Microscale Roughness Matter?. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 5424-5431.	3.7	31
7	On the influence of salt concentration on the transport properties of reverse osmosis membranes in high pressure and high recovery desalination. <i>Journal of Membrane Science</i> , 2020, 594, 117339.	8.2	14
8	<i>N</i> -Aryl-linked spirocyclic polymers for membrane separations of complex hydrocarbon mixtures. <i>Science</i> , 2020, 369, 310-315.	12.6	139
9	Low energy intensity production of fuel-grade bio-butanol enabled by membrane-based extraction. <i>Energy and Environmental Science</i> , 2020, 13, 4862-4871.	30.8	18
10	Proteins tailor pore geometry. <i>Nature Materials</i> , 2020, 19, 257-258.	27.5	3
11	Nanoscale Chemical Heterogeneity in Aromatic Polyamide Membranes for Reverse Osmosis Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 19890-19902.	8.0	12
12	Reducing the Pore Size of Covalent Organic Frameworks in Thin-Film Composite Membranes Enhances Solute Rejection. , 2019, 1, 440-446.		55
13	Membrane Fractionation of Liquors from Lignin-First Biorefining. <i>ChemSusChem</i> , 2019, 12, 1203-1212.	6.8	39
14	Sequence-defined multifunctional polyethers via liquid-phase synthesis with molecular sieving. <i>Nature Chemistry</i> , 2019, 11, 136-145.	13.6	64
15	Water Transport through Ultrathin Polyamide Nanofilms Used for Reverse Osmosis. <i>Advanced Materials</i> , 2018, 30, e1705973.	21.0	266
16	Iterative peptide synthesis in membrane cascades: Untangling operational decisions. <i>Computers and Chemical Engineering</i> , 2018, 115, 275-285.	3.8	3
17	A robust thin film composite membrane incorporating thermally rearranged polymer support for organic solvent nanofiltration and pressure retarded osmosis. <i>Journal of Membrane Science</i> , 2018, 550, 322-331.	8.2	100
18	Solvent-Free Coating of Epoxysilicones for the Fabrication of Composite Membranes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 730-739.	3.7	12

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19	Roll-to-roll dip coating of three different PIMs for Organic Solvent Nanofiltration. <i>Journal of Membrane Science</i> , 2018, 558, 52-63.	8.2	83
20	A compact and scalable fabrication method for robust thin film composite membranes. <i>Green Chemistry</i> , 2018, 20, 1887-1898.	9.0	31
21	PECVD modification of nano & ultrafiltration membranes for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2018, 548, 540-547.	8.2	11
22	Thin Films: Water Transport through Ultrathin Polyamide Nanofilms Used for Reverse Osmosis (Adv.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	21.0	7
23	Membranes from academia to industry. <i>Nature Materials</i> , 2017, 16, 280-282.	27.5	84
24	Probing flow activity in polyamide layer of reverse osmosis membrane with nanoparticle tracers. <i>Journal of Membrane Science</i> , 2017, 534, 9-17.	8.2	29
25	The Selectivity Challenge in Organic Solvent Nanofiltration: Membrane and Process Solutions. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2017, 8, 473-497.	6.8	94
26	Implication of Side Reactions in Iterative Biopolymer Synthesis: The Case of Membrane Enhanced Peptide Synthesis. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 6796-6804.	3.7	8
27	Continuously Operated Hydroamination â€“ Toward High Catalytic Performance via Organic Solvent Nanofiltration in a Membrane Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 13634-13641.	3.7	11
28	Neutron Reflectivity and Performance of Polyamide Nanofilms for Water Desalination. <i>Advanced Functional Materials</i> , 2017, 27, 1701738.	14.9	47
29	Will ultra-high permeance membranes lead to ultra-efficient processes? Challenges for molecular separations in liquid systems. <i>Journal of Membrane Science</i> , 2017, 525, 35-47.	8.2	54
30	Negligible ageing in poly(ether-ether-ketone) membranes widens application range for solvent processing. <i>Journal of Membrane Science</i> , 2017, 525, 48-56.	8.2	62
31	Controlling biofilm development in the extractive membrane bioreactor. <i>Separation Science and Technology</i> , 2017, 52, 113-121.	2.5	16
32	Optimization of OSN Membrane Cascades for Separating Organic Mixtures. <i>Computer Aided Chemical Engineering</i> , 2016, , 379-384.	0.5	10
33	Researchers develop â€œdesignerâ€ chemical separation membranes. <i>Membrane Technology</i> , 2016, 2016, 7.	0.1	1
34	Multi-scale modelling of OSN batch concentration with spiral-wound membrane modules using OSN Designer. <i>Chemical Engineering Research and Design</i> , 2016, 109, 385-396.	5.6	14
35	Polymer nanofilms with enhanced microporosity by interfacial polymerization. <i>Nature Materials</i> , 2016, 15, 760-767.	27.5	594
36	Continuous Consecutive Reactions with Interâ€ Reaction Solvent Exchange by Membrane Separation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13576-13579.	13.8	34

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37	Continuous Consecutive Reactions with Inter- $\leftrightarrow$ Reaction Solvent Exchange by Membrane Separation. <i>Angewandte Chemie</i> , 2016, 128, 13774-13777.	2.0	20
38	Organic fouling behaviour of structurally and chemically different forward osmosis membranes – A study of cellulose triacetate and thin film composite membranes. <i>Journal of Membrane Science</i> , 2016, 520, 247-261.	8.2	79
39	Micro-to nano-scale characterisation of polyamide structures of the SW30HR RO membrane using advanced electron microscopy and stain tracers. <i>Journal of Membrane Science</i> , 2016, 520, 465-476.	8.2	107
40	Organic Solvent Nanofiltration (OSN): A New Technology Platform for Liquid-Phase Oligonucleotide Synthesis (LPOS). <i>Organic Process Research and Development</i> , 2016, 20, 1439-1452.	2.7	46
41	Solvent recycle with imperfect membranes: A semi-continuous workaround for diafiltration. <i>Journal of Membrane Science</i> , 2016, 514, 646-658.	8.2	54
42	Hybrid polymer/MOF membranes for Organic Solvent Nanofiltration (OSN): Chemical modification and the quest for perfection. <i>Journal of Membrane Science</i> , 2016, 503, 166-176.	8.2	135
43	Towards improved membrane production: using low-toxicity solvents for the preparation of PEEK nanofiltration membranes. <i>Green Chemistry</i> , 2016, 18, 2374-2384.	9.0	50
44	Energy consumption for desalination – A comparison of forward osmosis with reverse osmosis, and the potential for perfect membranes. <i>Desalination</i> , 2016, 377, 138-151.	8.2	158
45	Liquid-Phase Synthesis of 2-Methyl- $\leftrightarrow$ RNA on a Homostar Support through Organic-Solvent Nanofiltration. <i>Chemistry - A European Journal</i> , 2015, 21, 9535-9543.	3.3	17
46	Tunable-Porosity Membranes From Discrete Nanoparticles. <i>Scientific Reports</i> , 2015, 5, 17353.	3.3	24
47	–Crumpled-filter has the potential to slash energy consumption in industry. <i>Membrane Technology</i> , 2015, 2015, 7.	0.1	0
48	Novel $\langle$ MBRs $\rangle$ for the removal of organic priority pollutants from industrial wastewaters: a review. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1949-1967.	3.2	32
49	Organic solvent resistant poly(ether-ether-ketone) nanofiltration membranes. <i>Journal of Membrane Science</i> , 2015, 479, 105-116.	8.2	132
50	Performance of spiral-wound membrane modules in organic solvent nanofiltration – Fluid dynamics and mass transfer characteristics. <i>Journal of Membrane Science</i> , 2015, 494, 8-24.	8.2	21
51	Crosslinked polybenzimidazole membranes for organic solvent nanofiltration (OSN): Analysis of crosslinking reaction mechanism and effects of reaction parameters. <i>Journal of Membrane Science</i> , 2015, 493, 568-579.	8.2	115
52	Controlling molecular weight cut-off of PEEK nanofiltration membranes using a drying method. <i>Journal of Membrane Science</i> , 2015, 493, 524-538.	8.2	63
53	Sub-10 nm polyamide nanofilms with ultrafast solvent transport for molecular separation. <i>Science</i> , 2015, 348, 1347-1351.	12.6	1,461
54	Improving the permeance of hybrid polymer/metal-organic framework (MOF) membranes for organic solvent nanofiltration (OSN) – development of MOF thin films via interfacial synthesis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9668-9674.	10.3	142

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55	Predictive membrane transport models for Organic Solvent Nanofiltration: How complex do we need to be?. <i>Journal of Membrane Science</i> , 2015, 476, 530-553.	8.2	67
56	Molecularly imprinted organic solvent nanofiltration membranes – Revealing molecular recognition and solute rejection behaviour. <i>Reactive and Functional Polymers</i> , 2015, 86, 215-224.	4.1	56
57	Synthesis and characterization of branched fullerene-terminated poly(ethylene glycol)s. <i>Polymer Chemistry</i> , 2015, 6, 1056-1065.	3.9	4
58	Racemisation of 1-Arylethylamines with Shvo-type Organoruthenium Catalysts. <i>Synlett</i> , 2014, 25, 1391-1394.	1.8	3
59	Beyond PEG2000: Synthesis and Functionalisation of Monodisperse PEGylated Homostars and Clickable Bivalent Polyethyleneglycols. <i>Chemistry - A European Journal</i> , 2014, 20, 10038-10051.	3.3	37
60	Continuous purification of active pharmaceutical ingredients using multistage organic solvent nanofiltration membrane cascade. <i>Chemical Engineering Science</i> , 2014, 116, 183-194.	3.8	69
61	Beyond polyimide: Crosslinked polybenzimidazole membranes for organic solvent nanofiltration (OSN) in harsh environments. <i>Journal of Membrane Science</i> , 2014, 457, 62-72.	8.2	219
62	Mixed matrix membranes for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2014, 452, 354-366.	8.2	111
63	Polyamide thin film composite membranes on cross-linked polyimide supports: Improvement of RO performance via activating solvent. <i>Desalination</i> , 2014, 344, 181-188.	8.2	83
64	Fabrication of hybrid polymer/metal organic framework membranes: mixed matrix membranes versus in situ growth. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9260-9271.	10.3	141
65	Increasing the sustainability of membrane processes through cascade approach and solvent recovery – pharmaceutical purification case study. <i>Green Chemistry</i> , 2014, 16, 133-145.	9.0	89
66	Iterative synthesis of monodisperse PEG homostars and linear heterobifunctional PEG. <i>Polymer Chemistry</i> , 2014, 5, 694-697.	3.9	37
67	Molecular Separation with Organic Solvent Nanofiltration: A Critical Review. <i>Chemical Reviews</i> , 2014, 114, 10735-10806.	47.7	1,276
68	Controlling Crystallization via Organic Solvent Nanofiltration: The Influence of Flux on Griseofulvin Crystallization. <i>Crystal Growth and Design</i> , 2014, 14, 2192-2200.	3.0	14
69	Sustainability assessment of organic solvent nanofiltration: from fabrication to application. <i>Green Chemistry</i> , 2014, 16, 4440-4473.	9.0	287
70	In Situ Solvent Recovery by Organic Solvent Nanofiltration. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2371-2379.	6.7	71
71	Ultrathin Polymer Films with Intrinsic Microporosity: Anomalous Solvent Permeation and High Flux Membranes. <i>Advanced Functional Materials</i> , 2014, 24, 4729-4737.	14.9	235
72	Use of Continuous MSMR Crystallization with Integrated Nanofiltration Membrane Recycle for Enhanced Yield and Purity in API Crystallization. <i>Crystal Growth and Design</i> , 2014, 14, 617-627.	3.0	88

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73	Pore preserving crosslinkers for polyimide OSN membranes. <i>Journal of Membrane Science</i> , 2014, 465, 138-150.	8.2	48
74	Experimental strategies for increasing the catalyst turnover number in a continuous Heck coupling reaction. <i>Journal of Catalysis</i> , 2013, 306, 190-201.	6.2	46
75	On the Potential of Organic Solvent Nanofiltration in Continuous Heck Coupling Reactions. <i>Organic Process Research and Development</i> , 2013, 17, 967-975.	2.7	38
76	Beneath the surface: Influence of supports on thin film composite membranes by interfacial polymerization for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2013, 448, 102-113.	8.2	164
77	Molecular separation with an organic solvent nanofiltration cascade “augmenting membrane selectivity with process engineering. <i>Chemical Engineering Science</i> , 2013, 90, 299-310.	3.8	42
78	When the membrane is not enough: A simplified membrane cascade using Organic Solvent Nanofiltration (OSN). <i>Separation and Purification Technology</i> , 2013, 116, 277-286.	7.9	56
79	OSN Designer, a tool for predicting organic solvent nanofiltration technology performance using Aspen One, MATLAB and CAPE OPEN. <i>Chemical Engineering Science</i> , 2013, 104, 975-987.	3.8	36
80	High Flux Thin Film Nanocomposite Membranes Based on Metal-Organic Frameworks for Organic Solvent Nanofiltration. <i>Journal of the American Chemical Society</i> , 2013, 135, 15201-15208.	13.7	663
81	Quality by Design for peptide nanofiltration: Fundamental understanding and process selection. <i>Chemical Engineering Science</i> , 2013, 101, 200-212.	3.8	21
82	Batchwise and Continuous Nanofiltration of POSS-tagged Grubbs-Hoveyda-type Olefin Metathesis Catalysts. <i>ChemSusChem</i> , 2013, 6, 182-192.	6.8	61
83	Nanoparticle contrast agents to elucidate the structure of thin film composite nanofiltration membranes. <i>Journal of Membrane Science</i> , 2013, 442, 107-118.	8.2	15
84	NF in organic solvent/water mixtures: Role of preferential solvation. <i>Journal of Membrane Science</i> , 2013, 444, 101-115.	8.2	35
85	Pore-flow calculations based on pore size distributions in polyimide membranes determined by a nanoprobe imaging technique. <i>Chemical Engineering Science</i> , 2013, 97, 81-95.	3.8	10
86	Efficient and productive asymmetric Michael addition: development of a highly enantioselective quinidine-based organocatalyst for homogeneous recycling via nanofiltration. <i>Green Chemistry</i> , 2013, 15, 663.	9.0	43
87	Reactive Peptide Nanofiltration. <i>ACS Symposium Series</i> , 2013, , 121-150.	0.5	7
88	High flux hydrophobic membranes for organic solvent nanofiltration (OSN) “Interfacial polymerization, surface modification and solvent activation. <i>Journal of Membrane Science</i> , 2013, 434, 193-203.	8.2	181
89	Assessment of atomic force microscopy for characterisation of nanofiltration membranes. <i>Journal of Membrane Science</i> , 2013, 425-426, 58-70.	8.2	71
90	Continuous solute fractionation with membrane cascades “A high productivity alternative to diafiltration. <i>Separation and Purification Technology</i> , 2013, 102, 1-14.	7.9	53

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91	Membranes for Organic Solvent Nanofiltration Based on Preassembled Nanoparticles. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 1109-1121.	3.7	44
92	Hybrid Organic-inorganic Membranes for Organic Solvent Nanofiltration. <i>Procedia Engineering</i> , 2012, 44, 96-99.	1.2	1
93	Development of Organic Solvent Nanofiltration Membranes for the Application in Extreme pH Conditions. <i>Procedia Engineering</i> , 2012, 44, 313-315.	1.2	3
94	Cellulose Acetate Forward Osmosis Membranes-Effect of Membrane Chemistry on FO Performance. <i>Procedia Engineering</i> , 2012, 44, 258-260.	1.2	2
95	OSN as an Useful Tool in the Development of a Better Process for the Synthesis of Macrocycles. <i>Procedia Engineering</i> , 2012, 44, 1249-1250.	1.2	0
96	Improved Model for Solvent Permeation Through NF and UF Membranes. <i>Procedia Engineering</i> , 2012, 44, 394-397.	1.2	3
97	The Effect of Concentration Polarisation on Organic Solvent Nanofiltration Crystallisation Processes. <i>Procedia Engineering</i> , 2012, 44, 241-243.	1.2	0
98	Nanoprobe imaging molecular scale pores in polymeric membranes. <i>Journal of Membrane Science</i> , 2012, 413-414, 1-16.	8.2	36
99	An improved phenomenological model for prediction of solvent permeation through ceramic NF and UF membranes. <i>Journal of Membrane Science</i> , 2012, 415-416, 444-458.	8.2	62
100	Speciation of Pd(OAc) <sub>2</sub> in ligandless Suzuki-Miyaura reactions. <i>Catalysis Science and Technology</i> , 2012, 2, 316-323.	4.1	86
101	High flux membranes for organic solvent nanofiltration (OSN)â€”Interfacial polymerization with solvent activation. <i>Journal of Membrane Science</i> , 2012, 423-424, 371-382.	8.2	318
102	Novel Liquid Phase Peptide Synthesis (LPPS) Technology: Elongation using Organic Solvent Nanofiltration (OSN). <i>Procedia Engineering</i> , 2012, 44, 1232-1233.	1.2	0
103	Potential of Organic Solvent Nanofiltration in Continuous Catalytic Reactions. <i>Procedia Engineering</i> , 2012, 44, 307-309.	1.2	7
104	A Multi-Scale Model for Polymer Membranes. <i>Procedia Engineering</i> , 2012, 44, 489-490.	1.2	0
105	Organic solvent nanofiltration: a potential alternative to distillation for solvent recovery from crystallisation mother liquors. <i>Green Chemistry</i> , 2012, 14, 2197.	9.0	134
106	Facilitating the use of counter-current chromatography in pharmaceutical purification through use of organic solvent nanofiltration. <i>Journal of Chromatography A</i> , 2012, 1229, 156-163.	3.7	26
107	Separation of Reaction Product and Palladium Catalyst after a Heck Coupling Reaction by means of Organic Solvent Nanofiltration. <i>ChemSusChem</i> , 2012, 5, 188-193.	6.8	33
108	Environmentally friendly route for the preparation of solvent resistant polyimide nanofiltration membranes. <i>Green Chemistry</i> , 2011, 13, 162-168.	9.0	148



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109	The effect of membrane formation parameters on performance of polyimide membranes for organic solvent nanofiltration (OSN): Part A. Effect of polymer/solvent/non-solvent system choice. <i>Journal of Membrane Science</i> , 2011, 381, 152-162.	8.2	127
110	The effect of membrane formation parameters on performance of polyimide membranes for organic solvent nanofiltration (OSN). Part B: Analysis of evaporation step and the role of a co-solvent. <i>Journal of Membrane Science</i> , 2011, 381, 163-171.	8.2	82
111	The effect of membrane formation parameters on performance of polyimide membranes for organic solvent nanofiltration (OSN). Part C. Effect of polyimide characteristics. <i>Journal of Membrane Science</i> , 2011, 381, 172-182.	8.2	55
112	Method for the preparation of cellulose acetate flat sheet composite membranes for forward osmosis Desalination using MgSO <sub>4</sub> draw solution. <i>Desalination</i> , 2011, 273, 299-307.	8.2	91
113	Nanofiltration process for the nutritional enrichment and refining of rice bran oil. <i>Journal of Food Engineering</i> , 2011, 102, 16-24.	5.2	54
114	Enantioseparation via EIC-OSN: Process design and improvement of enantiomers resolvability and separation performance. <i>AIChE Journal</i> , 2010, 56, 893-904.	3.6	6
115	The regulatory logic of <i>Pseudomonas putida</i> exposed by dynamic modelling of the principal node of the TOL plasmid. <i>Environmental Microbiology</i> , 2010, 12, 1705-1718.	3.8	38
116	A novel approach to modelling counter-current chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 6230-6240.	3.7	12
117	Organic solvent nanofiltration (OSN) with spiral-wound membrane elements Highly rejected solute system. <i>Journal of Membrane Science</i> , 2010, 349, 167-174.	8.2	23
118	Spiral-wound polyaniline membrane modules for organic solvent nanofiltration (OSN). <i>Journal of Membrane Science</i> , 2010, 349, 123-129.	8.2	61
119	Organic Solvent Nanofiltration: A New Paradigm in Peptide Synthesis. <i>Organic Process Research and Development</i> , 2010, 14, 1313-1325.	2.7	45
120	Demonstration of Molecular Purification in Polar Aprotic Solvents by Organic Solvent Nanofiltration. <i>Organic Process Research and Development</i> , 2010, 14, 600-611.	2.7	86
121	Membrane enhanced peptide synthesis. <i>Chemical Communications</i> , 2010, 46, 2808.	4.1	42
122	Long-Term, Cytokine-Free Ex Vivo Expansion of Human Cord Blood Mononuclear Cells Using a Novel Closed-Loop 3D Dual Hollow Fibre Perfused Bioreactor. <i>Blood</i> , 2010, 116, 828-828.	1.4	0
123	A novel phase transition technique for fabrication of mesopore sized ceramic membranes. <i>Journal of Membrane Science</i> , 2009, 339, 5-9.	8.2	9
124	Solute molecular transport through polyimide asymmetric organic solvent nanofiltration (OSN) membranes and the effect of membrane-formation parameters on mass transfer. <i>Journal of Membrane Science</i> , 2009, 326, 332-342.	8.2	17
125	Crosslinked integrally skinned asymmetric polyaniline membranes for use in organic solvents. <i>Journal of Membrane Science</i> , 2009, 326, 635-642.	8.2	88
126	Nanoporous asymmetric polyaniline films for filtration of organic solvents. <i>Journal of Membrane Science</i> , 2009, 330, 166-174.	8.2	55



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127	Impact of TiO <sub>2</sub> nanoparticles on morphology and performance of crosslinked polyimide organic solvent nanofiltration (OSN) membranes. <i>Journal of Membrane Science</i> , 2009, 343, 189-198.	8.2	201
128	Membrane characterisation by SEM, TEM and ESEM: The implications of dry and wetted microstructure on mass transfer through integrally skinned polyimide nanofiltration membranes. <i>Separation and Purification Technology</i> , 2009, 66, 90-97.	7.9	42
129	Enantioselective whole-cell biotransformation of acetophenone to S-phenylethanol by <i>Rhodotorula glutinis</i> . <i>Biochemical Engineering Journal</i> , 2009, 46, 44-53.	3.6	25
130	Enantioselective whole-cell biotransformation of acetophenone to S-phenylethanol by <i>Rhodotorula glutinis</i> . Part II. Aqueous-organic systems: Emulsion and membrane bioreactors. <i>Biochemical Engineering Journal</i> , 2009, 46, 54-60.	3.6	11
131	Extending Ru-BINAP Catalyst Life and Separating Products from Catalyst Using Membrane Recycling. <i>Organic Process Research and Development</i> , 2009, 13, 863-869.	2.7	28
132	A membrane bioreactor for biotransformations of hydrophobic molecules using organic solvent nanofiltration (OSN) membranes. <i>Journal of Membrane Science</i> , 2008, 317, 50-64.	8.2	46
133	Controlling molecular weight cut-off curves for highly solvent stable organic solvent nanofiltration (OSN) membranes. <i>Journal of Membrane Science</i> , 2008, 324, 220-232.	8.2	123
134	Evidence of species succession during chlorobenzene biodegradation. <i>Biotechnology and Bioengineering</i> , 2008, 99, 68-74.	3.3	28
135	Membrane selectivity in the organic solvent nanofiltration of trialkylamine bases. <i>Desalination</i> , 2008, 218, 248-256.	8.2	25
136	Polyaniline membranes for the dehydration of tetrahydrofuran by pervaporation. <i>Journal of Membrane Science</i> , 2008, 309, 102-111.	8.2	43
137	Membranes for the dehydration of solvents by pervaporation. <i>Journal of Membrane Science</i> , 2008, 318, 5-37.	8.2	580
138	Polyaniline hollow fibres for organic solvent nanofiltration. <i>Chemical Communications</i> , 2008, , 6324.	4.1	36
139	Polymeric Membrane Nanofiltration and Its Application to Separations in the Chemical Industries. <i>Macromolecular Symposia</i> , 2008, 264, 184-188.	0.7	15
140	Organic Solvent Nanofiltration and Adsorbents; A Hybrid Approach to Achieve Ultra Low Palladium Contamination of Post Coupling Reaction Products. <i>Organic Process Research and Development</i> , 2008, 12, 589-595.	2.7	78
141	Towards a continuous dynamic kinetic resolution of 1-phenylethylamine using a membrane assisted, two vessel process. <i>Chemical Communications</i> , 2007, , 3462.	4.1	19
142	The use of an oil absorber as a strategy to overcome starvation periods in degrading 1,2-dichloroethane in waste gas. <i>Biotechnology and Bioengineering</i> , 2007, 96, 673-686.	3.3	9
143	Microbiology for chemical engineers—from macro to micro scale. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2007, 2, 448-454.	1.5	0
144	Nanofiltration membrane cascade for continuous solvent exchange. <i>Chemical Engineering Science</i> , 2007, 62, 2728-2736.	3.8	95

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145	The use of an oil-absorber bioscrubber system during biodegradation of sequentially alternating loadings of 1,2-dichloroethane and fluorobenzene in a waste gas. <i>Chemical Engineering Science</i> , 2007, 62, 5989-6001.	3.8	11
146	Simulation of the cellular anabolic activity within biofilms: Where a new immobilized cell will preferably be born?. <i>Biochemical Engineering Journal</i> , 2007, 35, 29-36.	3.6	6
147	In search of a standard method for the characterisation of organic solvent nanofiltration membranes. <i>Journal of Membrane Science</i> , 2007, 291, 120-125.	8.2	153
148	The influence of membrane formation parameters on the functional performance of organic solvent nanofiltration membranes. <i>Journal of Membrane Science</i> , 2007, 299, 236-250.	8.2	134
149	Polymeric membranes for nanofiltration in polar aprotic solvents. <i>Journal of Membrane Science</i> , 2007, 301, 3-10.	8.2	288
150	Investigation of the Compatibility of Racemization and Kinetic Resolution for the Dynamic Kinetic Resolution of an Allylic Alcohol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 7101-7109.	3.7	13
151	Recovery and reuse of ionic liquids and palladium catalyst for Suzuki reactions using organic solvent nanofiltration. <i>Green Chemistry</i> , 2006, 8, 373.	9.0	105
152	The absolute configuration of (+)-(E)-4-phenylbut-3-ene-2-ol. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2081.	2.8	0
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