

Sandra E Kentish

List of Publications by Year in descending order

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347
papers

18,149
citations

11608

70
h-index

21474

114
g-index

358
all docs

358
docs citations

358
times ranked

14039
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of ultrasonics for nanoemulsion preparation. <i>Innovative Food Science and Emerging Technologies</i> , 2008, 9, 170-175.	2.7	521
2	Minimising oil droplet size using ultrasonic emulsification. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 721-727.	3.8	516
3	Effects of ultrasound on the thermal and structural characteristics of proteins in reconstituted whey protein concentrate. <i>Ultrasonics Sonochemistry</i> , 2011, 18, 951-957.	3.8	489
4	Membrane gas separation applications in natural gas processing. <i>Fuel</i> , 2012, 96, 15-28.	3.4	460
5	Modification of food ingredients by ultrasound to improve functionality: A preliminary study on a model system. <i>Innovative Food Science and Emerging Technologies</i> , 2008, 9, 155-160.	2.7	340
6	Ultrasonics in food processing. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 975-983.	3.8	318
7	Bubbles in an acoustic field: An overview. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 470-475.	3.8	280
8	CO ₂ capture from pre-combustion processes—Strategies for membrane gas separation. <i>International Journal of Greenhouse Gas Control</i> , 2010, 4, 739-755.	2.3	270
9	Applications of Power Ultrasound in Food Processing. <i>Annual Review of Food Science and Technology</i> , 2014, 5, 263-284.	5.1	262
10	Recent advances refining galactooligosaccharide production from lactose. <i>Food Chemistry</i> , 2010, 121, 307-318.	4.2	260
11	Carbon Dioxide Separation through Polymeric Membrane Systems for Flue Gas Applications. <i>Recent Patents on Chemical Engineering</i> , 2008, 1, 52-66.	0.5	239
12	Innovations in separations technology for the recycling and re-use of liquid waste streams. <i>Chemical Engineering Journal</i> , 2001, 84, 149-159.	6.6	220
13	Ultrasonic enhancement of the supercritical extraction from ginger. <i>Ultrasonics Sonochemistry</i> , 2006, 13, 471-479.	3.8	215
14	Ultrasonics in food processing – Food quality assurance and food safety. <i>Trends in Food Science and Technology</i> , 2012, 26, 88-98.	7.8	192
15	Ultrasonic processing of dairy systems in large scale reactors. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 1075-1081.	3.8	182
16	Determination of the Size Distribution of Sonoluminescence Bubbles in a Pulsed Acoustic Field. <i>Journal of the American Chemical Society</i> , 2005, 127, 16810-16811.	6.6	169
17	Effects of Minor Components in Carbon Dioxide Capture Using Polymeric Gas Separation Membranes. <i>Separation and Purification Reviews</i> , 2009, 38, 1-44.	2.8	169
18	The ultrasonic processing of dairy products – An overview. <i>Dairy Science and Technology</i> , 2010, 90, 147-168.	2.2	151

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19	The optimisation of ultrasonic cleaning procedures for dairy fouled ultrafiltration membranes. <i>Ultrasonics Sonochemistry</i> , 2005, 12, 29-35.	3.8	150
20	The use of ultrasonic cleaning for ultrafiltration membranes in the dairy industry. <i>Separation and Purification Technology</i> , 2004, 39, 99-107.	3.9	147
21	Mechanisms for the ultrasonic enhancement of dairy whey ultrafiltration. <i>Journal of Membrane Science</i> , 2005, 258, 106-114.	4.1	147
22	Prevalence and socio-demographic correlates of psychological distress among students at an Australian university. <i>Studies in Higher Education</i> , 2016, 41, 1074-1091.	2.9	143
23	The pasting properties of sonicated waxy rice starch suspensions. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 462-468.	3.8	140
24	Water vapor permeation in polyimide membranes. <i>Journal of Membrane Science</i> , 2011, 379, 479-487.	4.1	135
25	Hot topic: Sonication increases the heat stability of whey proteins. <i>Journal of Dairy Science</i> , 2009, 92, 5353-5356.	1.4	131
26	The effect of crosslinking temperature on the permeability of PDMS membranes: Evidence of extraordinary CO ₂ and CH ₄ gas permeation. <i>Separation and Purification Technology</i> , 2014, 122, 96-104.	3.9	128
27	Chlorine Resistant Glutaraldehyde Crosslinked Polyelectrolyte Multilayer Membranes for Desalination. <i>Advanced Materials</i> , 2015, 27, 2791-2796.	11.1	128
28	A comparison of multicomponent electrosorption in capacitive deionization and membrane capacitive deionization. <i>Water Research</i> , 2018, 131, 100-109.	5.3	127
29	Operating temperature effects on the plasticization of polyimide gas separation membranes. <i>Journal of Membrane Science</i> , 2007, 294, 40-49.	4.1	126
30	Carbon dioxide absorption into promoted potassium carbonate solutions: A review. <i>International Journal of Greenhouse Gas Control</i> , 2016, 53, 28-40.	2.3	123
31	Quantitative evaluation of the ease of rupture of industrially promising microalgae by high pressure homogenization. <i>Bioresource Technology</i> , 2013, 140, 165-171.	4.8	120
32	Purification of aqueous amine solvents used in post combustion CO ₂ capture: A review. <i>International Journal of Greenhouse Gas Control</i> , 2012, 10, 443-455.	2.3	118
33	Plasticization of ultra-thin polysulfone membranes by carbon dioxide. <i>Journal of Membrane Science</i> , 2010, 346, 208-214.	4.1	117
34	Lipid Profile Remodeling in Response to Nitrogen Deprivation in the Microalgae <i>Chlorella</i> sp. (<i>Trebouxiophyceae</i>) and <i>Nannochloropsis</i> sp. (<i>Eustigmatophyceae</i>). <i>PLoS ONE</i> , 2014, 9, e103389.	1.1	117
35	Reversible diamine cross-linking of polyimide membranes. <i>Journal of Membrane Science</i> , 2007, 291, 199-209.	4.1	116
36	Effect of ultrasound on the physical and functional properties of reconstituted whey protein powders. <i>Journal of Dairy Research</i> , 2011, 78, 226-232.	0.7	114

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37	A kinetic study of CO ₂ capture with potassium carbonate solutions promoted with various amino acids: Glycine, sarcosine and proline. <i>International Journal of Greenhouse Gas Control</i> , 2014, 20, 212-222.	2.3	113
38	Removal of lactic acid from acid whey using electrodialysis. <i>Separation and Purification Technology</i> , 2016, 158, 230-237.	3.9	112
39	Microstructure of milk gel and cheese curd observed using cryo scanning electron microscopy and confocal microscopy. <i>LWT - Food Science and Technology</i> , 2011, 44, 1291-1302.	2.5	109
40	The effect of hydrogen sulfide, carbon monoxide and water on the performance of a PDMS membrane in carbon dioxide/nitrogen separation. <i>Journal of Membrane Science</i> , 2010, 350, 189-199.	4.1	107
41	Tailoring Physical Aging in Super Glassy Polymers with Functionalized Porous Aromatic Frameworks for CO ₂ Capture. <i>Chemistry of Materials</i> , 2015, 27, 4756-4762.	3.2	107
42	Effects of carbon dioxide-induced plasticization on the gas transport properties of glassy polyimide membranes. <i>Journal of Membrane Science</i> , 2007, 298, 147-155.	4.1	104
43	The effect of ultrasound on casein micelle integrity. <i>Journal of Dairy Science</i> , 2012, 95, 6882-6890.	1.4	104
44	APPLICATION OF ULTRASOUND IN MEMBRANE SEPARATION PROCESSES: A REVIEW. <i>Reviews in Chemical Engineering</i> , 2006, 22, .	2.3	103
45	A quantitative analysis of microalgal lipids for optimization of biodiesel and omega-3 production. <i>Biotechnology and Bioengineering</i> , 2013, 110, 2096-2104.	1.7	102
46	Amino Acids as Carbon Capture Solvents: Chemical Kinetics and Mechanism of the Glycine + CO ₂ Reaction. <i>Energy & Fuels</i> , 2013, 27, 3898-3904.	2.5	101
47	Selected Applications of Ultrasonics in Food Processing. <i>Food Engineering Reviews</i> , 2009, 1, 31-49.	3.1	99
48	Use of Power Ultrasound to Improve Extraction and Modify Phase Transitions in Food Processing. <i>Food Reviews International</i> , 2013, 29, 67-91.	4.3	99
49	The use of carbonic anhydrase to accelerate carbon dioxide capture processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 3-10.	1.6	94
50	A novel cross-linked nano-coating for carbon dioxide capture. <i>Energy and Environmental Science</i> , 2016, 9, 434-440.	15.6	92
51	Effect of Surfactants on the Rate of Growth of an Air Bubble by Rectified Diffusion. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14595-14598.	1.2	90
52	The Effect of Surface-Active Solutes on Bubble Coalescence in the Presence of Ultrasound. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5095-5099.	1.2	89
53	Effect of pyrolysis temperature and operating temperature on the performance of nanoporous carbon membranes. <i>Journal of Membrane Science</i> , 2008, 322, 19-27.	4.1	87
54	The application of ultrasound to dairy ultrafiltration: The influence of operating conditions. <i>Journal of Food Engineering</i> , 2007, 81, 364-373.	2.7	86

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55	Microfiltration of skim milk using polymeric membranes for casein concentrate manufacture. Separation and Purification Technology, 2008, 60, 237-244.	3.9	86
56	The effects of high-intensity ultrasound on the structural and functional properties of α -Lactalbumin, β -Lactoglobulin and their mixtures. Food Research International, 2012, 48, 940-943.	2.9	85
57	Post-combustion Capture of CO ₂ : Results from the Solvent Absorption Capture Plant at Hazelwood Power Station Using Potassium Carbonate Solvent. Energy & Fuels, 2012, 26, 138-146.	2.5	83
58	A kinetic and process modeling study of CO ₂ capture with MEA-promoted potassium carbonate solutions. Chemical Engineering Journal, 2012, 210, 271-279.	6.6	82
59	The effect of pH at renneting on the microstructure, composition and texture of Cheddar cheese. Food Research International, 2012, 48, 119-130.	2.9	82
60	Experiments and Thermodynamic Modeling of the Solubility of Carbon Dioxide in Three Different Deep Eutectic Solvents (DESs). Journal of Chemical & Engineering Data, 2015, 60, 3246-3252.	1.0	81
61	CO ₂ separation using surface-functionalized SiO ₂ nanoparticles incorporated ultra-thin film composite mixed matrix membranes for post-combustion carbon capture. Journal of Membrane Science, 2016, 515, 54-62.	4.1	81
62	The Physical and Chemical Effects of Ultrasound. Food Engineering Series, 2011, , 1-12.	0.3	79
63	Gas-liquid membrane contactors for carbon dioxide separation: A review. Chemical Engineering Journal, 2021, 411, 128468.	6.6	79
64	Fabrication of a superhydrophobic polypropylene membrane by deposition of a porous crystalline polypropylene coating. Journal of Membrane Science, 2008, 318, 107-113.	4.1	78
65	The Role of Ion Exchange Membranes in Membrane Capacitive Deionisation. Membranes, 2017, 7, 54.	1.4	78
66	Borate-Catalyzed Carbon Dioxide Hydration via the Carbonic Anhydrase Mechanism. Environmental Science & Technology, 2011, 45, 4802-4807.	4.6	77
67	Membrane stripping: Desorption of carbon dioxide from alkali solvents. Journal of Membrane Science, 2011, 378, 18-27.	4.1	74
68	Sorption of methane, nitrogen, carbon dioxide, and water in Matrimid 5218. Journal of Applied Polymer Science, 2010, 117, 2284-2289.	1.3	73
69	The Effect of Milk Processing on the Microstructure of the Milk Fat Globule and Rennet Induced Gel Observed Using Confocal Laser Scanning Microscopy. Journal of Food Science, 2010, 75, E135-45.	1.5	72
70	Estimation of Normal Boiling Temperatures, Critical Properties, and Acentric Factors of Deep Eutectic Solvents. Journal of Chemical & Engineering Data, 2015, 60, 1844-1854.	1.0	72
71	Cost competitive membrane-based cryogenic post-combustion carbon capture. International Journal of Greenhouse Gas Control, 2013, 17, 341-348.	2.3	71
72	Thermal rearranged poly(benzoxazole-co-imide) membranes for CO ₂ separation. Journal of Membrane Science, 2014, 450, 72-80.	4.1	71

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73	Soft polymeric nanoparticle additives for next generation gas separation membranes. Journal of Materials Chemistry A, 2014, 2, 4999.	5.2	71
74	Influence of mixing and ultrasound frequency on antisolvent crystallisation of sodium chloride. Ultrasonics Sonochemistry, 2014, 21, 60-68.	3.8	71
75	Crosslinked PEG and PEBAX Membranes for Concurrent Permeation of Water and Carbon Dioxide. Membranes, 2016, 6, 1.	1.4	71
76	Low solvent, low temperature method for extracting biodiesel lipids from concentrated microalgal biomass. Bioresource Technology, 2013, 148, 615-619.	4.8	70
77	Enhanced Gas Permeation through Graphene Nanocomposites. Journal of Physical Chemistry C, 2015, 119, 13700-13712.	1.5	70
78	Water vapor sorption and free volume in the aromatic polyamide layer of reverse osmosis membranes. Journal of Membrane Science, 2013, 425-426, 217-226.	4.1	69
79	Formation of a thick aromatic polyamide membrane by interfacial polymerisation. Separation and Purification Technology, 2013, 104, 276-283.	3.9	67
80	Carbon dioxide capture by solvent absorption using amino acids: A review. Chinese Journal of Chemical Engineering, 2018, 26, 2229-2237.	1.7	67
81	Absorption of carbon dioxide into aqueous potassium carbonate promoted by boric acid. Energy Procedia, 2009, 1, 1075-1081.	1.8	66
82	Carbon dioxide absorption into unpromoted and borate-catalyzed potassium carbonate solutions. Chemical Engineering Journal, 2012, 181-182, 694-701.	6.6	66
83	Water vapor permeation through cellulose acetate membranes and its impact upon membrane separation performance for natural gas purification. Journal of Membrane Science, 2015, 487, 249-255.	4.1	66
84	Enhancing gas permeability in mixed matrix membranes through tuning the nanoparticle properties. Journal of Membrane Science, 2015, 482, 49-55.	4.1	65
85	Membrane gas-liquid solvent contactor trials of CO ₂ absorption from syngas. Chemical Engineering Journal, 2012, 195-196, 188-197.	6.6	64
86	Highly permeable membrane materials for CO ₂ capture. Journal of Materials Chemistry A, 2013, 1, 13769.	5.2	64
87	Development of novel fluorinated additives for high performance CO ₂ separation thin-film composite membranes. Journal of Membrane Science, 2016, 499, 191-200.	4.1	63
88	Pre-combustion capture of CO ₂ —Results from solvent absorption pilot plant trials using 30wt% potassium carbonate and boric acid promoted potassium carbonate solvent. International Journal of Greenhouse Gas Control, 2012, 10, 64-73.	2.3	62
89	Ultra-thin film composite mixed matrix membranes incorporating iron(III)-dopamine nanoparticles for CO ₂ separation. Nanoscale, 2016, 8, 8312-8323.	2.8	62
90	A catechin/cellulose composite membrane for organic solvent nanofiltration. Journal of Membrane Science, 2018, 567, 139-145.	4.1	62

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91	Fouling of NF membranes by dairy ultrafiltration permeates. <i>Journal of Membrane Science</i> , 2009, 330, 117-126.	4.1	61
92	Shell-Side Mass-Transfer Performance in Hollow-Fiber Membrane Contactors. <i>Solvent Extraction and Ion Exchange</i> , 2010, 28, 817-844.	0.8	61
93	Dissolution and reconstitution of casein micelle containing dairy powders by high shear using ultrasonic and physical methods. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1658-1665.	3.8	61
94	Direct contact membrane distillation for the concentration of saline dairy effluent. <i>Water Research</i> , 2015, 81, 167-177.	5.3	61
95	The effect of feed pH on the performance of a reverse osmosis membrane. <i>Desalination</i> , 2010, 261, 99-103.	4.0	58
96	A comparison of commercial reverse osmosis membrane characteristics and performance under alginate fouling conditions. <i>Separation and Purification Technology</i> , 2012, 89, 270-281.	3.9	58
97	A Comparison of the Effectiveness of Sonication, High Shear Mixing and Homogenisation on Improving the Heat Stability of Whey Protein Solutions. <i>Food and Bioprocess Technology</i> , 2014, 7, 556-566.	2.6	58
98	Demonstration of a Concentrated Potassium Carbonate Process for CO ₂ Capture. <i>Energy & Fuels</i> , 2014, 28, 299-306.	2.5	58
99	Pilot plant performance of rubbery polymeric membranes for carbon dioxide separation from syngas. <i>Journal of Membrane Science</i> , 2012, 389, 470-477.	4.1	57
100	Phenol recovery with tributyl phosphate in a hollow fiber membrane contactor: Experimental and model analysis. <i>Separation and Purification Technology</i> , 2009, 69, 48-56.	3.9	54
101	The Role of Surfactant Headgroup, Chain Length, and Cavitation Microstreaming on the Growth of Bubbles by Rectified Diffusion. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24310-24316.	1.5	53
102	Sonoluminescence and sonochemiluminescence from a microreactor. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 1252-1259.	3.8	53
103	Reaction Mechanism for the Aqueous-Phase Mineral Carbonation of Heat-Activated Serpentine at Low Temperatures and Pressures in Flue Gas Conditions. <i>Environmental Science & Technology</i> , 2014, 48, 5163-5170.	4.6	53
104	Comparison of thin film composite and microporous membrane contactors for CO ₂ absorption into monoethanolamine. <i>International Journal of Greenhouse Gas Control</i> , 2015, 42, 66-74.	2.3	53
105	Modeling of the sorption and transport properties of water vapor in polyimide membranes. <i>Journal of Membrane Science</i> , 2012, 409-410, 96-104.	4.1	52
106	Feasibility study of enzyme immobilization on polymeric membrane: A case study with enzymatically galacto-oligosaccharides production from lactose. <i>Journal of Membrane Science</i> , 2011, 378, 471-478.	4.1	51
107	Thermal treatment of dense polyimide membranes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 1879-1890.	2.4	50
108	The effect of soft nanoparticles morphologies on thin film composite membrane performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17751-17756.	5.2	50

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109	Membrane Gas-Solvent Contactor Pilot Plant Trials of CO ₂ Absorption from Flue Gas. Separation Science and Technology, 2014, 49, 2449-2458.	1.3	50
110	Lithium enrichment from a simulated salt lake brine using an integrated nanofiltration-membrane distillation process. Journal of Environmental Chemical Engineering, 2019, 7, 103395.	3.3	50
111	A Study of the Mass Transfer of CO ₂ through Different Membrane Materials in the Membrane Gas Absorption Process. Separation Science and Technology, 2008, 43, 225-244.	1.3	49
112	Growth of Bubbles by Rectified Diffusion in Aqueous Surfactant Solutions. Journal of Physical Chemistry C, 2010, 114, 20141-20145.	1.5	49
113	Parameters optimization for direct flue gas CO ₂ capture and sequestration by aqueous mineral carbonation using activated serpentinite based mining residue. Applied Geochemistry, 2014, 50, 66-73.	1.4	49
114	Pilot plant results for a precipitating potassium carbonate solvent absorption process promoted with glycine for enhanced CO ₂ capture. Fuel Processing Technology, 2015, 135, 60-65.	3.7	49
115	Critical analysis of quantitative indicators of cell disruption applied to Saccharomyces cerevisiae processed with an industrial high pressure homogenizer. Biochemical Engineering Journal, 2013, 70, 120-126.	1.8	48
116	The Microstructure and Physicochemical Properties of Probiotic Buffalo Yoghurt During Fermentation and Storage: a Comparison with Bovine Yoghurt. Food and Bioprocess Technology, 2014, 7, 937-953.	2.6	48
117	The use of ultrasonic feed pre-treatment to reduce membrane fouling in whey ultrafiltration. Journal of Membrane Science, 2014, 453, 230-239.	4.1	48
118	Technical & economic evaluation of a mineral carbonation process using southern Québec mining wastes for CO ₂ sequestration of raw flue gas with by-product recovery. International Journal of Greenhouse Gas Control, 2016, 50, 147-157.	2.3	48
119	Enzymatic carbon dioxide capture using a thermally stable carbonic anhydrase as a promoter in potassium carbonate solvents. Chemical Engineering Journal, 2017, 307, 49-55.	6.6	48
120	A pilot scale study on the concentration of milk and whey by forward osmosis. Separation and Purification Technology, 2019, 215, 652-659.	3.9	48
121	Sonochemical synthesis of liquid-encapsulated lysozyme microspheres. Ultrasonics Sonochemistry, 2010, 17, 333-337.	3.8	47
122	Effect of the Substrate Concentration and Water Activity on the Yield and Rate of the Transfer Reaction of Î ² -Galactosidase from Bacillus circulans. Journal of Agricultural and Food Chemistry, 2011, 59, 3366-3372.	2.4	47
123	Water permeation and sorption properties of Nafion 115 at elevated temperatures. Journal of Membrane Science, 2014, 459, 104-113.	4.1	47
124	In situ layer-by-layer assembled carbonic anhydrase-coated hollow fiber membrane contactor for rapid CO ₂ absorption. Journal of Membrane Science, 2016, 514, 556-565.	4.1	47
125	Removal of lactate from acid whey using nanofiltration. Journal of Food Engineering, 2016, 177, 59-64.	2.7	47
126	Pervaporation performance of crosslinked PVA membranes in the vicinity of the glass transition temperature. Journal of Membrane Science, 2018, 553, 63-69.	4.1	47

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127	Poly(tetrafluoroethylene) Sputtered Polypropylene Membranes for Carbon Dioxide Separation in Membrane Gas Absorption. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 4011-4020.	1.8	46
128	Galactosyl oligosaccharide purification by ethanol precipitation. <i>Food Chemistry</i> , 2011, 128, 773-777.	4.2	46
129	Homogenisation improves the microstructure, syneresis and rheological properties of buffalo yoghurt. <i>International Dairy Journal</i> , 2015, 46, 78-87.	1.5	45
130	Competitive permeation of gas and water vapour in high free volume polymeric membranes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 719-728.	2.4	43
131	Energy efficient transfer of carbon dioxide from flue gases to microalgal systems. <i>Energy and Environmental Science</i> , 2016, 9, 1074-1082.	15.6	43
132	Single and binary ion sorption equilibria of monovalent and divalent ions in commercial ion exchange membranes. <i>Water Research</i> , 2020, 175, 115681.	5.3	43
133	Influence of Surface-Active Solutes on the Coalescence, Clustering, and Fragmentation of Acoustic Bubbles Confined in a Microspace. <i>Journal of Physical Chemistry C</i> , 2007, 111, 19015-19023.	1.5	42
134	Facile Pretreatment of <i>Bacillus circulans</i> β -Galactosidase Increases the Yield of Galactosyl Oligosaccharides in Milk and Lactose Reaction Systems. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 11570-11574.	2.4	42
135	Microstructure and Composition of Full Fat Cheddar Cheese Made with Ultrafiltered Milk Retentate. <i>Foods</i> , 2013, 2, 310-331.	1.9	42
136	Water vapor permeability and competitive sorption in thermally rearranged (TR) membranes. <i>Journal of Membrane Science</i> , 2014, 470, 132-137.	4.1	42
137	Water permeability and competitive permeation with CO ₂ and CH ₄ in perfluorinated polymeric membranes. <i>Separation and Purification Technology</i> , 2015, 147, 203-209.	3.9	42
138	A review of salty waste stream management in the Australian dairy industry. <i>Journal of Environmental Management</i> , 2018, 224, 406-413.	3.8	42
139	The effects of both preparation method and season on the supercritical extraction of ginger. <i>Separation and Purification Technology</i> , 2006, 48, 94-105.	3.9	41
140	The effect of condensable minor components on the gas separation performance of polymeric membranes for carbon dioxide capture. <i>Energy Procedia</i> , 2009, 1, 311-317.	1.8	41
141	Experimental and theoretical analysis of secondary Bjerknes forces between two bubbles in a standing wave. <i>Ultrasonics</i> , 2015, 58, 35-42.	2.1	41
142	Fouling and in-situ cleaning of ion-exchange membranes during the electrodialysis of fresh acid and sweet whey. <i>Journal of Food Engineering</i> , 2019, 246, 192-199.	2.7	41
143	Click poly(ethylene glycol) multilayers on RO membranes: Fouling reduction and membrane characterization. <i>Journal of Membrane Science</i> , 2012, 409-410, 9-15.	4.1	40
144	Convective transport of boron through a brackish water reverse osmosis membrane. <i>Journal of Membrane Science</i> , 2013, 445, 160-169.	4.1	40

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145	Membrane gas separation processes for CO ₂ capture from cement kiln flue gas. <i>International Journal of Greenhouse Gas Control</i> , 2014, 24, 78-86.	2.3	40
146	Effect of rennet on the composition, proteolysis and microstructure of reduced-fat Cheddar cheese during ripening. <i>Dairy Science and Technology</i> , 2015, 95, 665-686.	2.2	40
147	An investigation of the impact of fouling agents in capacitive and membrane capacitive deionisation. <i>Desalination</i> , 2019, 457, 96-102.	4.0	40
148	Comparison of several packings for CO ₂ chemical absorption in a packed column. <i>International Journal of Greenhouse Gas Control</i> , 2011, 5, 1163-1169.	2.3	39
149	Thermal rearranged poly(benzoxazole)/polyimide blended membranes for CO ₂ separation. <i>Separation and Purification Technology</i> , 2014, 124, 134-140.	3.9	39
150	Effect of Surfactants on Inertial Cavitation Activity in a Pulsed Acoustic Field. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16860-16865.	1.2	38
151	The effect of calcium chloride addition on the microstructure and composition of Cheddar cheese. <i>International Dairy Journal</i> , 2013, 33, 135-141.	1.5	38
152	Surface Engineering of Polypropylene Membranes with Carbonic Anhydrase-Loaded Mesoporous Silica Nanoparticles for Improved Carbon Dioxide Hydration. <i>Langmuir</i> , 2015, 31, 6211-6219.	1.6	38
153	The effect of boric acid on the vapour liquid equilibrium of aqueous potassium carbonate. <i>Fluid Phase Equilibria</i> , 2011, 309, 109-113.	1.4	37
154	Polytetrafluoroethylene (PTFE)-Sputtered Polypropylene Membranes for Carbon Dioxide Separation in Membrane Gas Absorption: Hollow Fiber Configuration. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 1376-1382.	1.8	37
155	Influence of ultrasound on chemically induced gelation of micellar casein systems. <i>Journal of Dairy Research</i> , 2013, 80, 138-143.	0.7	37
156	Effective Interfacially Polymerized Polyester Solvent Resistant Nanofiltration Membrane from Bioderived Materials. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800043.	2.7	37
157	Membrane gas-solvent contactor pilot plant trials for post-combustion CO ₂ capture. <i>Separation and Purification Technology</i> , 2020, 237, 116470.	3.9	37
158	Coagulation temperature affects the microstructure and composition of full fat Cheddar cheese. <i>Dairy Science and Technology</i> , 2011, 91, 739-758.	2.2	36
159	The Effect of Fermentation Temperature on the Microstructure, Physicochemical and Rheological Properties of Probiotic Buffalo Yoghurt. <i>Food and Bioprocess Technology</i> , 2014, 7, 2538-2548.	2.6	36
160	Experimental and Theoretical Studies on the Movements of Two Bubbles in an Acoustic Standing Wave Field. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12549-12555.	1.2	35
161	The effect of sonication and high pressure homogenisation on the properties of pure cream. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 33, 298-307.	2.7	35
162	Polyimide polydimethylsiloxane triblock copolymers for thin film composite gas separation membranes. <i>Journal of Polymer Science Part A</i> , 2014, 52, 3372-3382.	2.5	34

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