

# Marie-Pierre Belleville

## List of Publications by Year in descending order

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Version: 2024-02-01

77  
papers

2,810  
citations

159525

30  
h-index

197736

49  
g-index

78  
all docs

78  
docs citations

78  
times ranked

2905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in enzymatic membrane reactors – a review. <i>Journal of Membrane Science</i> , 2004, 242, 189-196.	4.1	260
2	Removal of antibiotics in wastewater by enzymatic treatment with fungal laccase – Degradation of compounds does not always eliminate toxicity. <i>Bioresource Technology</i> , 2016, 219, 500-509.	4.8	142
3	Potentialities of active membranes with immobilized laccase for Bisphenol A degradation. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 837-844.	3.6	113
4	Design and optimization of an enzymatic membrane reactor for tetracycline degradation. <i>Catalysis Today</i> , 2014, 236, 146-152.	2.2	107
5	Potentialities and Limits of Some Non-thermal Technologies to Improve Sustainability of Food Processing. <i>Frontiers in Nutrition</i> , 2018, 5, 130.	1.6	95
6	Antioxidant properties of peptide fractions from tuna dark muscle protein by-product hydrolysate produced by membrane fractionation process. <i>Food Research International</i> , 2014, 65, 329-336.	2.9	87
7	Analysis of the Main Components of the Aguamiel Produced by the Maguey-Pulquero ( <i>Agave mapisaga</i> ) throughout the Harvest Period. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 3682-3687.	2.4	78
8	Membrane Bioprocesses for Pharmaceutical Micropollutant Removal from Waters. <i>Membranes</i> , 2014, 4, 692-729.	1.4	75
9	Removal of Endocrine Disrupting Chemicals in Wastewater by Enzymatic Treatment with Fungal Laccases. <i>Organic Process Research and Development</i> , 2017, 21, 480-491.	1.3	74
10	Immobilization of lipase on a ceramic membrane: activity and stability. <i>Journal of Membrane Science</i> , 2004, 241, 161-166.	4.1	71
11	Active membranes coated with immobilized <i>Candida antarctica</i> lipase B: preparation and application for continuous butyl butyrate synthesis in organic media. <i>Journal of Membrane Science</i> , 2002, 201, 55-64.	4.1	69
12	Characterization of laccase-grafted ceramic membranes for pharmaceuticals degradation. <i>Journal of Membrane Science</i> , 2015, 476, 384-393.	4.1	68
13	Effect of redox mediators in pharmaceuticals degradation by laccase: A comparative study. <i>Process Biochemistry</i> , 2019, 78, 123-131.	1.8	66
14	Large-scale enzymatic membrane reactors for tetracycline degradation in WWTP effluents. <i>Water Research</i> , 2015, 73, 118-131.	5.3	64
15	Production and fractionation of tuna by-product protein hydrolysate by ultrafiltration and nanofiltration: Impact on interesting peptides fractions and nutritional properties. <i>Food Research International</i> , 2014, 65, 453-461.	2.9	62
16	Membrane engineering in biotechnology: quo vamus?. <i>Trends in Biotechnology</i> , 2007, 25, 242-246.	4.9	51
17	A cyclic process for full enzymatic saccharification of pretreated cellulose with full recovery and reuse of the ionic liquid 1-butyl-3-methylimidazolium chloride. <i>Green Chemistry</i> , 2012, 14, 2631.	4.6	49
18	Kinetics of cassava starch hydrolysis with Termamyl® enzyme. , 2000, 68, 71-77.		48

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19	Fractionation of a tuna dark muscle hydrolysate by a two-step membrane process. Separation and Purification Technology, 2013, 108, 28-36.	3.9	48
20	Spent brewer's yeast as a source of high added value molecules: a systematic review on its characteristics, processing and potential applications. World Journal of Microbiology and Biotechnology, 2020, 36, 95.	1.7	45
21	Polysaccharide Effects on Cross-Flow Microfiltration of Two Red Wines with a Microporous Alumina Membrane. Journal of Food Science, 1990, 55, 1598-1602.	1.5	41
22	The effect of enzyme concentration and space time on the performance of a continuous recycle membrane reactor for one-step starch hydrolysis. Biochemical Engineering Journal, 2000, 5, 17-22.	1.8	41
23	Solid-state fermentation as a sustainable method for coffee pulp treatment and production of an extract rich in chlorogenic acids. Food and Bioproducts Processing, 2019, 115, 175-184.	1.8	41
24	A new way to conduct enzymatic synthesis in an active membrane using ionic liquids as catalyst support. Catalysis Today, 2005, 104, 313-317.	2.2	38
25	Enzymatic membrane reactor for full saccharification of ionic liquid-pretreated microcrystalline cellulose. Bioresource Technology, 2014, 151, 159-165.	4.8	38
26	An innovative membrane bioreactor for methane biohydroxylation. Bioresource Technology, 2014, 174, 42-52.	4.8	38
27	Fouling Colloids During Microporous Alumina Membrane Filtration of Wine. Journal of Food Science, 1992, 57, 396-400.	1.5	36
28	Sweep gas membrane distillation in a membrane contactor with metallic hollow-fibers. Journal of Membrane Science, 2015, 493, 167-178.	4.1	34
29	Preparation of hybrid membranes for enzymatic reaction. Separation and Purification Technology, 2001, 25, 229-233.	3.9	33
30	Erythromycin degradation by esterase (EreB) in enzymatic membrane reactors. Biochemical Engineering Journal, 2016, 114, 70-78.	1.8	33
31	Optimization and characterization of an enzymatic membrane for the degradation of phenolic compounds. Catalysis Today, 2012, 193, 49-56.	2.2	32
32	A linear arabinan from a red wine. Phytochemistry, 1993, 33, 227-229.	1.4	31
33	New hydrophobic membranes for osmotic evaporation process. Separation and Purification Technology, 2003, 32, 3-7.	3.9	27
34	Study of a new membrane evaporator with a hydrophobic metallic membrane. Journal of Membrane Science, 2007, 289, 169-177.	4.1	27
35	Design, economic evaluation and optimization of enzymatic membrane reactors for antibiotics degradation in wastewaters. Separation and Purification Technology, 2015, 156, 183-199.	3.9	27
36	Preparation of gelatin formed-in-place membranes: effect of working conditions and substrates. Journal of Membrane Science, 2000, 168, 159-165.	4.1	26

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37	A comprehensive study of the loss of enzyme activity in a continuous membrane reactor - application to starch hydrolysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2001, 76, 273-278.	1.6	26
38	Evaluation of the cleaning of a new hydrophobic membrane for osmotic evaporation. <i>Separation and Purification Technology</i> , 2007, 55, 191-197.	3.9	25
39	Membrane Fractionation of Protein Hydrolysates from By-Products: Recovery of Valuable Compounds from Spent Yeasts. <i>Membranes</i> , 2021, 11, 23.	1.4	25
40	Kinetics of continuous starch hydrolysis in a membrane reactor. <i>Biochemical Engineering Journal</i> , 2000, 6, 233-238.	1.8	24
41	Biomolecule Applications for Membrane-Based Phase Contacting Systems. <i>Chemical Engineering Research and Design</i> , 2005, 83, 302-308.	2.7	24
42	New hydrophobic membranes for contactor processes – Applications to isothermal concentration of solutions. <i>Desalination</i> , 2006, 193, 280-285.	4.0	24
43	The ripening and aging of noni fruits ( <i>Morinda citrifolia</i> L.): microbiological flora and antioxidant compounds. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 1710-1716.	1.7	23
44	Alkane biohydroxylation: Interests, constraints and future developments. <i>Journal of Biotechnology</i> , 2016, 222, 117-142.	1.9	23
45	Elaboration, characterization and study of a new hybrid chitosan/ceramic membrane for affinity membrane chromatography. <i>Journal of Membrane Science</i> , 2008, 321, 81-89.	4.1	22
46	Membrane contactor with hydrophobic metallic membranes: 1. Modeling of coupled mass and heat transfers in membrane evaporation. <i>Journal of Membrane Science</i> , 2010, 355, 112-125.	4.1	22
47	Why on Earth Can People Need Continuous Recycle Membrane Reactors for Starch Hydrolysis?. <i>Starch/Staerke</i> , 1999, 51, 25-32.	1.1	21
48	Membrane contactor with hydrophobic metallic membranes: 2. Study of operating parameters in membrane evaporation. <i>Journal of Membrane Science</i> , 2010, 355, 126-132.	4.1	21
49	Optimal design of industrial scale continuous process for fractionation by membrane technologies of protein hydrolysate derived from fish wastes. <i>Separation and Purification Technology</i> , 2018, 197, 137-146.	3.9	20
50	Alcoholic fermentation as a potential tool for coffee pulp detoxification and reuse: Analysis of phenolic composition and caffeine content by HPLC-DAD-MS/MS. <i>Food Chemistry</i> , 2020, 319, 126600.	4.2	20
51	A novel process for the covalent immobilization of laccases on silica gel and its application for the elimination of pharmaceutical micropollutants. <i>Environmental Science and Pollution Research</i> , 2021, 28, 25579-25593.	2.7	20
52	Development of a multichannel monolith large-scale enzymatic membrane and application in an immobilized enzymatic membrane reactor. <i>Journal of Membrane Science</i> , 2014, 455, 330-340.	4.1	19
53	Enzymatic synthesis of butyl acetate in a packed bed reactor under liquid and supercritical conditions. <i>Catalysis Today</i> , 2015, 255, 3-9.	2.2	19
54	Ultrafiltration within downstream processing: some process design considerations. <i>Chemical Engineering and Processing: Process Intensification</i> , 2003, 42, 299-309.	1.8	17

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55	Enzymatic membrane reactor involving a hybrid membrane in supercritical carbon dioxide. <i>Journal of Membrane Science</i> , 2007, 297, 98-103.	4.1	16
56	Title is missing!. <i>Biotechnology Letters</i> , 2000, 22, 771-775.	1.1	15
57	Ultrafiltration performance of spent brewer's yeast protein hydrolysate: Impact of pH and membrane material on fouling. <i>Journal of Food Engineering</i> , 2021, 302, 110569.	2.7	15
58	Serial fractionation of spent brewer's yeast protein hydrolysate by ultrafiltration: A peptide-rich product with low RNA content. <i>Journal of Food Engineering</i> , 2022, 312, 110737.	2.7	15
59	Simulation and analysis of the performance of tubular enzymatic membrane reactors under different configurations, kinetics and mass transport conditions. <i>Journal of Membrane Science</i> , 2015, 473, 189-200.	4.1	14
60	A global approach of ultrafiltration of complex biological solutions. <i>Separation and Purification Technology</i> , 2002, 26, 283-293.	3.9	13
61	Modeling ultrafiltration of complex biological solutions. <i>AIChE Journal</i> , 2002, 48, 1727-1736.	1.8	13
62	Methane hydroxylation by <i>Methylosinus trichosporium</i> OB3b: Monitoring the biocatalyst activity for methanol production optimization in an innovative membrane bioreactor. <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 283-293.	1.4	13
63	Synthesis of binderless FAU-X (13X) monoliths with hierarchical porosity. <i>Microporous and Mesoporous Materials</i> , 2019, 281, 57-65.	2.2	13
64	Study of the influence of the hydrodynamic parameters on the performance of an enzymatic membrane reactor. <i>Journal of Membrane Science</i> , 2008, 311, 147-152.	4.1	12
65	Newly-designed proteinic membrane for low ultrafiltration. <i>Journal of Membrane Science</i> , 1997, 134, 163-170.	4.1	9
66	In Silico Evaluation of Ultrafiltration and Nanofiltration Membrane Cascades for Continuous Fractionation of Protein Hydrolysate from Tuna Processing Byproduct. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 7493-7504.	1.8	8
67	Production of Interesting Peptide Fractions by Enzymatic Hydrolysis of Tuna Dark Muscle By-Product Using Alcalase. <i>Journal of Aquatic Food Product Technology</i> , 2016, 25, 251-264.	0.6	8
68	Presence of rhamnogalacturonan II in the juices produced by enzymatic liquefaction of Agave pulquero stem ( <i>Agave mapisaga</i> ). <i>Carbohydrate Polymers</i> , 2009, 77, 870-875.	5.1	5
69	Potentialities of a Membrane Reactor with Laccase Grafted Membranes for the Enzymatic Degradation of Phenolic Compounds in Water. <i>Membranes</i> , 2014, 4, 678-691.	1.4	5
70	Study of a new metallic membrane evaporator. <i>Desalination</i> , 2006, 199, 185-187.	4.0	4
71	CHARACTERIZATION AND PROPERTIES OF SUPPORTED PROTEIN MEMBRANES. <i>Separation Science and Technology</i> , 2001, 36, 3071-3089.	1.3	3
72	Enzymatic membrane reactor in supercritical carbon dioxide. <i>Desalination</i> , 2006, 200, 505-506.	4.0	3

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73	A sustainable process for enzymatic saccharification of ionic liquid-pretreated cellulosic materials. <i>Green Processing and Synthesis</i> , 2014, 3, .	1.3	3
74	Tangential microfiltration of orange juice in bench pilot. <i>Food Science and Technology</i> , 2003, 23, 330-336.	0.8	2
75	Affinity membrane chromatography with a hybrid chitosan/ceramic membrane. <i>Desalination</i> , 2006, 200, 470-471.	4.0	2
76	Membrane Technologies for Fruit Juice Processing. <i>Food Engineering Series</i> , 2018, , 211-248.	0.3	2
77	Experimental and modeling of tetracycline degradation in water in a flow-through enzymatic monolithic reactor. <i>Environmental Science and Pollution Research</i> , 2022, 29, 75896-75906.	2.7	2