

Lidietta Giorno

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4506362/publications.pdf>

Version: 2024-02-01

176
papers

5,092
citations

87843

38
h-index

118793

62
g-index

193
all docs

193
docs citations

193
times ranked

5247
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocatalytic membrane reactors: applications and perspectives. Trends in Biotechnology, 2000, 18, 339-349.	4.9	322
2	Removal of emerging micropollutants by activated sludge process and membrane bioreactors and the effects of micropollutants on membrane fouling: A review. Journal of Environmental Chemical Engineering, 2017, 5, 2395-2414.	3.3	196
3	Process intensification in lactic acid production: A review of membrane based processes. Chemical Engineering and Processing: Process Intensification, 2009, 48, 1549-1559.	1.8	188
4	Fractionation of olive mill wastewaters by membrane separation techniques. Journal of Hazardous Materials, 2013, 248-249, 185-193.	6.5	174
5	Mixed matrix membranes based on UiO-66 MOFs in the polymer of intrinsic microporosity PIM-1. Separation and Purification Technology, 2017, 173, 304-313.	3.9	148
6	A new integrated membrane process for producing clarified apple juice and apple juice aroma concentrate. Journal of Food Engineering, 2000, 46, 109-125.	2.7	139
7	Membrane emulsification technology: Twenty-five years of inventions and research through patent survey. Journal of Membrane Science, 2014, 468, 410-422.	4.1	106
8	Simultaneous production of biomethane and food grade CO ₂ from biogas: an industrial case study. Energy and Environmental Science, 2019, 12, 281-289.	15.6	98
9	Microencapsulation of oil droplets using cold water fish gelatine/gum arabic complex coacervation by membrane emulsification. Food Research International, 2013, 53, 362-372.	2.9	94
10	Biotransformation and liver-specific functions of human hepatocytes in culture on RGD-immobilized plasma-processed membranes. Biomaterials, 2005, 26, 4432-4441.	5.7	89
11	Integrated membrane system for the production of phytotherapics from olive mill wastewaters. Journal of Membrane Science, 2014, 454, 322-329.	4.1	81
12	Novel PVDF-HFP flat sheet membranes prepared by triethyl phosphate (TEP) solvent for direct contact membrane distillation. Chemical Engineering and Processing: Process Intensification, 2016, 102, 16-26.	1.8	81
13	Lipase-catalyzed optical resolution of racemic naproxen in biphasic enzyme membrane reactors. Journal of Membrane Science, 2001, 184, 27-38.	4.1	79
14	A novel time lag method for the analysis of mixed gas diffusion in polymeric membranes by on-line mass spectrometry: Method development and validation. Journal of Membrane Science, 2018, 561, 39-58.	4.1	77
15	Long-term maintenance of human hepatocytes in oxygen-permeable membrane bioreactor. Biomaterials, 2006, 27, 4794-4803.	5.7	71
16	Membrane separation technology for the recovery of nutraceuticals from food industrial streams. Trends in Food Science and Technology, 2019, 86, 426-438.	7.8	70
17	Study of an enzyme membrane reactor with immobilized fumarase for production of L-malic acid. Biotechnology and Bioengineering, 2001, 72, 77-84.	1.7	68
18	Diffusive and convective transport through hollow fiber membranes for liver cell culture. Journal of Biotechnology, 2005, 117, 309-321.	1.9	68

#	ARTICLE	IF	CITATIONS
19	Advances in membrane operations for water purification and biophenols recovery/valorization from OMWWs. <i>Journal of Membrane Science</i> , 2016, 497, 402-409.	4.1	68
20	Performance of a biphasic organic/aqueous hollow fibre reactor using immobilized lipase. <i>Journal of Chemical Technology and Biotechnology</i> , 1995, 64, 345-352.	1.6	65
21	Kinetic study of a biocatalytic membrane reactor containing immobilized β -glucosidase for the hydrolysis of oleuropein. <i>Journal of Membrane Science</i> , 2009, 339, 215-223.	4.1	65
22	Hydrolysis and regioselective transesterification catalyzed by immobilized lipases in membrane bioreactors. <i>Journal of Membrane Science</i> , 1997, 125, 177-187.	4.1	64
23	Trends and current practices of olive mill wastewater treatment: Application of integrated membrane process and its future perspective. <i>Separation and Purification Technology</i> , 2016, 162, 45-60.	3.9	64
24	Integration of organic electrochemical transistors and immuno-affinity membranes for label-free detection of interleukin-6 in the physiological concentration range through antibody-antigen recognition. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5400-5406.	2.9	61
25	Treatment of Olive Mill Wastewater by Forward Osmosis. <i>Separation and Purification Technology</i> , 2015, 147, 292-302.	3.9	58
26	PVDF membrane biofunctionalization by chemical grafting. <i>Journal of Membrane Science</i> , 2015, 476, 483-489.	4.1	55
27	Study of a Cell-Recycle Membrane Fermentor for the Production of Lactic Acid by <i>Lactobacillus bulgaricus</i> . <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 433-440.	1.8	52
28	Development of a two separate phase submerged biocatalytic membrane reactor for the production of fatty acids and glycerol from residual vegetable oil streams. <i>Biomass and Bioenergy</i> , 2012, 46, 574-583.	2.9	51
29	3D liver membrane system by co-culturing human hepatocytes, sinusoidal endothelial and stellate cells. <i>Biofabrication</i> , 2017, 9, 025022.	3.7	51
30	Membrane reactors for low temperature applications: An overview. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 124, 282-307.	1.8	51
31	Modification of polyvinyl chloride (PVC) membrane for vacuum membrane distillation (VMD) application. <i>Desalination</i> , 2015, 373, 58-70.	4.0	46
32	Use of stable emulsion to improve stability, activity, and enantioselectivity of lipase immobilized in a membrane reactor. <i>Biotechnology and Bioengineering</i> , 2003, 84, 677-685.	1.7	45
33	Quantitative analysis of coupling effects in cross-flow membrane emulsification. <i>Journal of Membrane Science</i> , 2004, 229, 199-209.	4.1	45
34	An innovative approach to improve the performance of a two separate phase enzyme membrane reactor by immobilizing lipase in presence of emulsion. <i>Journal of Membrane Science</i> , 2007, 295, 95-101.	4.1	43
35	Pulsed back-and-forward cross-flow batch membrane emulsification with high productivity to obtain highly uniform and concentrate emulsions. <i>Journal of Membrane Science</i> , 2014, 453, 119-125.	4.1	43
36	Preparation of Drug-Loaded PLGA-PEG Nanoparticles by Membrane-Assisted Nanoprecipitation. <i>Pharmaceutical Research</i> , 2017, 34, 1296-1308.	1.7	41

#	ARTICLE	IF	CITATIONS
37	Study of OMWWs suspended solids destabilization to improve membrane processes performance. Separation and Purification Technology, 2015, 149, 183-189.	3.9	40
38	Nanofiltration potential for the purification of highly concentrated enzymatically produced oligosaccharides. Food and Bioproducts Processing, 2016, 98, 50-61.	1.8	40
39	Development of enzyme-loaded PVA microspheres by membrane emulsification. Journal of Membrane Science, 2017, 524, 79-86.	4.1	40
40	Adsorption-assisted transport of water vapour in super-hydrophobic membranes filled with multilayer graphene platelets. Nanoscale, 2019, 11, 11521-11529.	2.8	38
41	Biocatalytic membrane reactor development for organophosphates degradation. Journal of Hazardous Materials, 2019, 365, 789-795.	6.5	36
42	Recovery of bioactive compounds from artichoke brines by nanofiltration. Food and Bioproducts Processing, 2016, 98, 257-265.	1.8	35
43	Study of a hybrid process combining PACs and membrane operations for antibiotic wastewater treatment. Desalination, 2006, 194, 101-107.	4.0	34
44	Purification of triacylglycerols for biodiesel production from Nannochloropsis microalgae by membrane technology. Bioresource Technology, 2013, 140, 172-178.	4.8	34
45	Kinetic study of tyrosinase immobilized on polymeric membrane. Journal of Membrane Science, 2014, 454, 346-350.	4.1	34
46	Pharmaceutical Particles Design by Membrane Emulsification: Preparation Methods and Applications in Drug Delivery. Current Pharmaceutical Design, 2017, 23, 302-318.	0.9	34
47	Preparation of oil-in-water emulsions using polyamide 10 kDa hollow fiber membrane. Journal of Membrane Science, 2003, 217, 173-180.	4.1	33
48	Characterization of olive mill wastewater fractions treatment by integrated membrane process. Journal of the Science of Food and Agriculture, 2014, 94, 2935-2942.	1.7	33
49	Nanoscale tuning of enzyme localization for enhanced reactor performance in a novel magnetic-responsive biocatalytic membrane reactor. Journal of Membrane Science, 2015, 487, 209-220.	4.1	33
50	Influence of OR ester group length on the catalytic activity and enantioselectivity of free lipase and immobilized in membrane used for the kinetic resolution of naproxen esters. Journal of Catalysis, 2007, 247, 194-200.	3.1	32
51	Human liver microtissue spheroids in hollow fiber membrane bioreactor. Colloids and Surfaces B: Biointerfaces, 2017, 160, 272-280.	2.5	31
52	Thin-film composite hollow fiber membranes for ethylene/ethane separation in gas-liquid membrane contactor. Separation and Purification Technology, 2019, 219, 64-73.	3.9	31
53	Study of Fouling Phenomena in Apple Juice Clarification by Enzyme Membrane Reactor. Separation Science and Technology, 1998, 33, 739-756.	1.3	29
54	Study of mass transfer performance of naproxen acid and ester through a multiphase enzyme-loaded membrane system. Journal of Membrane Science, 2006, 276, 59-67.	4.1	29

#	ARTICLE	IF	CITATIONS
55	Investigation on the effects of a mechanical shear-stress modification method during cross-flow membrane emulsification. <i>Journal of Membrane Science</i> , 2011, 371, 28-36.	4.1	29
56	Enzyme membrane reactor with heterogenized β -glucosidase to obtain phytotherapeutic compound: Optimization study. <i>Journal of Membrane Science</i> , 2012, 390-391, 121-129.	4.1	29
57	Pectinases immobilization on magnetic nanoparticles and their anti-fouling performance in a biocatalytic membrane reactor. <i>RSC Advances</i> , 2016, 6, 98737-98747.	1.7	29
58	Biocatalytic membrane reactor and membrane emulsification concepts combined in a single unit to assist production and separation of water unstable reaction products. <i>Journal of Membrane Science</i> , 2010, 352, 166-172.	4.1	28
59	Oxygen transport in hollow fibre membrane bioreactors for hepatic 3D cell culture: A parametric study. <i>Journal of Membrane Science</i> , 2017, 544, 312-322.	4.1	28
60	Immunolocalization of β -glucosidase immobilized within polysulphone capillary membrane and evaluation of its activity in situ. <i>Journal of Membrane Science</i> , 2006, 285, 152-158.	4.1	27
61	Fetuin-A gene expression, synthesis and release in primary human hepatocytes cultured in a galactosylated membrane bioreactor. <i>Biomaterials</i> , 2007, 28, 4836-4844.	5.7	27
62	Polymeric biocatalytic membranes with immobilized thermostable phosphotriesterase. <i>Journal of Membrane Science</i> , 2016, 516, 144-151.	4.1	27
63	An ultrathin suspended hydrophobic porous membrane for high-efficiency water desalination. <i>Applied Materials Today</i> , 2017, 9, 1-9.	2.3	27
64	Membrane Bioreactors in Food, Pharmaceutical and Biofuel Applications: State of the Art, Progresses and Perspectives. <i>Current Organic Chemistry</i> , 2017, 21, .	0.9	27
65	Effects of organic solvents on ultrafiltration polyamide membranes for the preparation of oil-in-water emulsions. <i>Journal of Colloid and Interface Science</i> , 2005, 287, 612-623.	5.0	26
66	Membrane emulsification as a novel method to distribute phase-transfer biocatalysts at the oil/water interface in bioorganic reactions. <i>Journal of Membrane Science</i> , 2008, 317, 19-25.	4.1	26
67	Tyrosinase immobilised on polyamide tubular membrane for the L-DOPA production: Total recycle and continuous reactor study. <i>Biochemical Engineering Journal</i> , 2012, 66, 14-19.	1.8	26
68	Use of a Ceramic Membrane to Improve the Performance of Two-Separate-Phase Biocatalytic Membrane Reactor. <i>Molecules</i> , 2016, 21, 345.	1.7	25
69	Correlating Gas Permeability and Young's Modulus during the Physical Aging of Polymers of Intrinsic Microporosity Using Atomic Force Microscopy. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5381-5391.	1.8	25
70	Agri-Food Industry Waste as Resource of Chemicals: The Role of Membrane Technology in Their Sustainable Recycling. <i>Sustainability</i> , 2022, 14, 1483.	1.6	24
71	Effect of Immobilization Site and Membrane Materials on Multiphasic Enantioselective Enzyme Membrane Reactors. <i>Annals of the New York Academy of Sciences</i> , 2003, 984, 436-452.	1.8	23
72	Study on the <i>in Situ</i> Enzymatic Self-Cleansing of Microfiltration Membrane for Valorization of Olive Mill Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10396-10405.	1.8	23

#	ARTICLE	IF	CITATIONS
73	Polycaprolactone multicore-matrix particle for the simultaneous encapsulation of hydrophilic and hydrophobic compounds produced by membrane emulsification and solvent diffusion processes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 116-125.	2.5	23
74	Development of a Novel Immobilization Method by Using Microgels to Keep Enzyme in Hydrated Microenvironment in Porous Hydrophobic Membranes. <i>Macromolecular Bioscience</i> , 2017, 17, 1600381.	2.1	23
75	Seawater desalination using PVDF-HFP membrane in DCMD process: assessment of operating condition by response surface method. <i>Chemical Engineering Communications</i> , 2019, 206, 237-246.	1.5	23
76	Enzyme catalysis coupled with artificial membranes towards process intensification in biorefinery- a review. <i>Bioresource Technology</i> , 2021, 335, 125248.	4.8	23
77	Membranes with tailored wettability properties for the generation of uniform emulsion droplets with high efficiency. <i>Journal of Membrane Science</i> , 2014, 459, 96-103.	4.1	22
78	Enzyme-loaded membrane reactor to degrade a pesticide in vegetative waters. <i>Journal of Membrane Science</i> , 2021, 635, 119438.	4.1	22
79	Galactose Derivative Immobilized Glow Discharge Processed Polyethersulfone Membranes Maintain the Liver Cell Metabolic Activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2344-2353.	0.9	21
80	Membrane bioreactors for biotechnology and medical applications. <i>Membrane Science and Technology</i> , 2003, 8, 187-217.	0.5	20
81	Preparation and characterization of ionic liquid polymer microspheres [PEEKWC/DMF/CYPHOS IL 101] using the phase-inversion technique. <i>Separation and Purification Technology</i> , 2012, 97, 179-185.	3.9	20
82	Biocatalytic zeolite membrane for the production of l-DOPA. <i>Journal of Membrane Science</i> , 2012, 407-408, 86-92.	4.1	20
83	Polymeric microspheres preparation by membrane emulsification-phase separation induced process. <i>Journal of Membrane Science</i> , 2013, 448, 190-197.	4.1	20
84	Effect of operational parameters on the performance of a magnetic responsive biocatalytic membrane reactor. <i>Chemical Engineering Journal</i> , 2017, 308, 853-862.	6.6	19
85	Sustainable Production of Drug-Loaded Particles by Membrane Emulsification. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6663-6674.	3.2	19
86	Biophenols-loaded solid lipid particles (SLPs) development by membrane emulsification. <i>Journal of Membrane Science</i> , 2017, 541, 587-594.	4.1	18
87	Biorefinery of olive leaves to produce dry oleuropein aglycone: Use of homemade ceramic capillary biocatalytic membranes in a multiphase system. <i>Chemical Engineering Science</i> , 2018, 185, 149-156.	1.9	18
88	Production of Plant-Derived Oleuropein Aglycone by a Combined Membrane Process and Evaluation of Its Breast Anticancer Properties. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 908.	2.0	18
89	Downstream Processing of Lactic Acid by Membrane-Based Solvent Extraction. <i>Separation Science and Technology</i> , 1996, 31, 2159-2169.	1.3	17
90	Preparation of uniform poly-caprolactone Microparticles by membrane emulsification/solvent diffusion process. <i>Journal of Membrane Science</i> , 2014, 467, 262-268.	4.1	17

#	ARTICLE	IF	CITATIONS
91	Influence of protein bulk properties on membrane surface coverage during immobilization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 143, 309-317.	2.5	17
92	Enzymatic Hydrolysis of Xylan from Coffee Parchment in Membrane Bioreactors. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 7346-7354.	1.8	17
93	Catalytic Behaviour of Lipase Free and Immobilized in Biphasic Membrane Reactor with Different Low Water-Soluble Substrates. <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 69, 11-14.	1.6	16
94	Polyethersulfone membrane biohybrid system using pig hepatocytes: Effect of diclofenac on cell biotransformation and synthetic functions. <i>Journal of Membrane Science</i> , 2006, 278, 133-143.	4.1	16
95	Force spectroscopy determination of Young's modulus in mixed matrix membranes. <i>Polymer</i> , 2018, 156, 22-29.	1.8	16
96	Phosphotriesterase-Magnetic Nanoparticle Bioconjugates with Improved Enzyme Activity in a Biocatalytic Membrane Reactor. <i>Bioconjugate Chemistry</i> , 2018, 29, 2001-2008.	1.8	16
97	Gas permeable membrane bioreactor for the co-culture of human skin derived mesenchymal stem cells with hepatocytes and endothelial cells. <i>Journal of Membrane Science</i> , 2018, 563, 694-707.	4.1	15
98	Graphene stimulates the nucleation and growth rate of NaCl crystals from hypersaline solution via membrane crystallization. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1723-1736.	1.2	15
99	Encapsulation of water-soluble drugs in Poly (vinyl alcohol) (PVA)- microparticles via membrane emulsification: Influence of process and formulation parameters on structural and functional properties. <i>Materials Today Communications</i> , 2020, 24, 100967.	0.9	15
100	Membrane bioreactor using pig hepatocytes for in vitro evaluation of anti-inflammatory drugs. <i>Catalysis Today</i> , 2006, 118, 172-180.	2.2	14
101	Polymeric membranes with antioxidant activity based on cellulose esters and poly(vinylidene fluoride) (PVDF). <i>Journal of Membrane Science</i> , 2010, 353, 1-12.	2.4	14
102	Description of the diffusive-convective mass transport in a hollow-fiber biphasic biocatalytic membrane reactor. <i>Journal of Membrane Science</i> , 2015, 482, 144-157.	4.1	14
103	Tyrosinase immobilized on a hydrophobic membrane. <i>Biotechnology and Applied Biochemistry</i> , 2017, 64, 92-99.	1.4	14
104	Biological Membranes and Biomimetic Artificial Membranes. , 2010, , 1-12.		13
105	Membrane-Assisted Crystallization: A Molecular View of NaCl Nucleation and Growth. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2145.	1.3	13
106	Ferrous Ion Effects on the Stability and Properties of Oil-in-Water Emulsions Formulated by Membrane Emulsification. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 3818-3829.	1.8	12
107	Micro and nano polycaprolactone particles preparation by pulsed back-and-forward cross-flow batch membrane emulsification for parenteral administration. <i>International Journal of Pharmaceutics</i> , 2014, 477, 344-350.	2.6	12
108	Destabilization and removal of immobilized enzymes adsorbed onto polyethersulfone ultrafiltration membranes by salt solutions. <i>Journal of Membrane Science</i> , 2015, 486, 207-214.	4.1	12

#	ARTICLE	IF	CITATIONS
109	Microencapsulation by Membrane Emulsification of Biophenols Recovered from Olive Mill Wastewaters. <i>Membranes</i> , 2016, 6, 25.	1.4	12
110	Functionalization of polymeric membranes by impregnation and in situ cross-linking of a PDMS/ β -cyclodextrin network. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 537-543.	1.6	11
111	Biocatalytic Membranes and Membrane Bioreactors. , 2010, , 195-212.		11
112	Continuous production of PVA-based hydrogel nanoparticles by membrane nanoprecipitation. <i>Journal of Membrane Science</i> , 2021, 637, 119649.	4.1	11
113	Development of biohybrid immuno-selective membranes for target antigen recognition. <i>Biosensors and Bioelectronics</i> , 2017, 92, 54-60.	5.3	10
114	Comparison between Lipase Performance Distributed at the O/W Interface by Membrane Emulsification and by Mechanical Stirring. <i>Membranes</i> , 2021, 11, 137.	1.4	10
115	Membrane nanoprecipitation: From basics to technology development. <i>Journal of Membrane Science</i> , 2022, 654, 120564.	4.1	10
116	Influence of Lipase Immobilization Mode on Ethyl Acetate Hydrolysis in a Continuous Solid-Gas Biocatalytic Membrane Reactor. <i>Bioconjugate Chemistry</i> , 2019, 30, 2238-2246.	1.8	9
117	Oleuropein Aglycone Production and Formulation by Integrated Membrane Process. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 16813-16822.	1.8	9
118	Molecular insights on NaCl crystal formation approaching PVDF membranes functionalized with graphene. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7817-7827.	1.3	9
119	Membranes that filter and destroy pollutants. <i>Nature Nanotechnology</i> , 2022, 17, 334-335.	15.6	9
120	Modeling of two separate phase enzyme membrane reactors for kinetic resolution of naproxen ester. <i>Desalination</i> , 2006, 200, 514-515.	4.0	8
121	Preparation of stimulus responsive multiple emulsions by membrane emulsification using con a as biochemical sensor. <i>Biotechnology and Bioengineering</i> , 2011, 108, 913-923.	1.7	8
122	Membrane Bioreactors for Pharmaceutical Applications: Optically Pure Enantiomers Production. <i>Current Pharmaceutical Design</i> , 2017, 23, 250-262.	0.9	8
123	β -Glucosidase separation from <i>Olea europaea</i> fruit and its use in membrane bioreactors for hydrolysis of oleuropein. <i>Desalination</i> , 2006, 200, 483-484.	4.0	7
124	Membrane Emulsification. , 2010, , 47-78.		7
125	Pectin as a non-toxic crosslinker for durable and water-resistant biopolymer-based membranes with improved mechanical and functional properties. <i>European Polymer Journal</i> , 2022, 172, 111193.	2.6	7
126	Multifunctional membranes based on natural polymers: preparation, characterization and in vitro performance evaluation. <i>Polymer International</i> , 2015, 64, 344-351.	1.6	5

#	ARTICLE	IF	CITATIONS
127	Photoactive Gel for Assisted Cleaning during Olive Mill Wastewater Membrane Microfiltration. Membranes, 2017, 7, 66.	1.4	5
128	1.4 Basic Aspects in Polymeric Membrane Preparation. , 2017, , 65-84.		5
129	Membrane-assisted biorefinery of microalgae to obtain enriched fractions of bioderived molecules. Biofuels, Bioproducts and Biorefining, 2019, 13, 878-888.	1.9	5
130	Membrane Bioreactors. , 2011, , 263-288.		4
131	High Purity of Î±-Lactalbumin from Binary Protein Mixture by Charged UF Membrane Far from the Isoelectric Point to Limit Fouling. Applied Sciences (Switzerland), 2021, 11, 9167.	1.3	4
132	Human galactosylated membrane bioreactor for the long-term maintenance of liver specific functions. Desalination, 2006, 199, 147-149.	4.0	3
133	Mathematical Modeling of Biochemical Membrane Reactors. , 0, , 309-334.		3
134	Municipal Wastewater Treatment by Membrane Bioreactors. Green Chemistry and Sustainable Technology, 2017, , 265-294.	0.4	3
135	2.13 Membranes and Interfaces Characterization by Impedance Spectroscopy. , 2017, , 393-410.		3
136	Analysis of membrane unit performance in presence of wet CO ₂ -containing mixtures. Chemical Engineering Research and Design, 2020, 153, 721-727.	2.7	3
137	Biorefinery of Tomato Leaves by Integrated Extraction and Membrane Processes to Obtain Fractions That Enhance Induced Resistance against Pseudomonas syringae Infection. Membranes, 2022, 12, 585.	1.4	3
138	Diffusive and convective transport in HF membrane reactors for biomedical applications. Desalination, 2006, 199, 135-137.	4.0	2
139	A new combined method to localize enzyme immobilized in polymeric membranes and evaluate its activity in situ. Desalination, 2006, 199, 228-229.	4.0	2
140	Preparation of Novel Ionic Liquid Loaded Polymeric Microspheres by Membrane Emulsification Process. Procedia Engineering, 2012, 44, 1287-1290.	1.2	2
141	Study of an enzyme membrane reactor with immobilized fumarase for production of L-malic acid. Biotechnology and Bioengineering, 2001, 72, 77-84.	1.7	2
142	Distribution of phase transfer biocatalyst at the oil/water interface by membrane emulsifier and evaluation of enantioselective performance. Desalination, 2006, 199, 182-184.	4.0	1
143	Developments in Membrane Science for Downstream Processing. , 0, , 245-263.		1
144	3.3 Biocatalytic Membranes and Membrane Bioreactors. , 2017, , 55-71.		1

#	ARTICLE	IF	CITATIONS
145	3.13 Membrane Emulsification Advances and Perspectives. , 2017, , 331-356.		1
146	Emulsification by Membrane Operations. , 2016, , 675-678.		1
147	Forward Osmosis (FO). , 2016, , 797-802.		1
148	Protein Attachment Mechanism for Improved Functionalization of Affinity Monolith Chromatography (AMC). <i>Molecules</i> , 2022, 27, 4496.	1.7	1
149	Hepatocellular functions of human liver cells in oxygen-permeable membrane device. <i>Desalination</i> , 2006, 200, 488-490.	4.0	0
150	Title is missing!. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 1043.	1.8	0
151	Production of Microemulsion by Ceramic Tube Membrane Equipped with Static Turbulence Promoter. <i>Procedia Engineering</i> , 2012, 44, 1161-1162.	1.2	0
152	REMOVED: Combination of Pre-Treatments, Membrane Bioreactor and Forward Osmosis for a Less Fouled Valorisation of Olive Mill Wastewater. <i>Procedia Engineering</i> , 2012, 44, 542-543.	1.2	0
153	Nannochloropsis s. Cell Suspension Concentraation with Ultrafiltration System and Recovery of Lipid for Biodiesel Production. <i>Procedia Engineering</i> , 2012, 44, 506-507.	1.2	0
154	Comparison and Optimization of Multiphasic Bioreactive System Based on Membrane Technology for the Production of High Added Value Water Unstable Intermediate Reaction. <i>Procedia Engineering</i> , 2012, 44, 843-844.	1.2	0
155	Strategies in Membrane Emulsification to Make the Process Suitable for Industrial Application. <i>Procedia Engineering</i> , 2012, 44, 653-654.	1.2	0
156	A Tribute to Enrico Drioli. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10333-10334.	1.8	0
157	Aquaporins (AQPs) or Water Channels. , 2016, , 110-111.		0
158	1.1 From Biological Membranes to Artificial Biomimetic Membranes and Systems. , 2017, , 1-16.		0
159	6. Membrane reactors and membrane bioreactors. , 2018, , 143-202.		0
160	Enzyme catalysed reactions. , 2000, , 103-115.		0
161	Membrane bioreactors. , 2000, , 187-199.		0
162	13. Biocatalytic membrane reactors for the production of nutraceuticals. , 2013, , 311-322.		0

#	ARTICLE	IF	CITATIONS
163	Membrane Operation in Biochemical Processing. Topics in Molecular Organization and Engineering, 1994, , 193-204.	0.1	0
164	The Principle of Membrane Emulsifier. , 2015, , 1-3.		0
165	The Principle of Biocatalytic Membrane Reactors (BMR). , 2015, , 1-5.		0
166	Emulsification by Membrane Operations. , 2015, , 1-3.		0
167	Biocatalytic Membrane Reactors (BMR) with Biocatalysts Entrapped Within the Pores of Asymmetric Membranes. , 2015, , 1-3.		0
168	Forward Osmosis (FO). , 2015, , 1-6.		0
169	Nanotechnology Membrane. , 2015, , 1-5.		0
170	Membrane Bioreactors. , 2015, , 1-5.		0
171	Submerged Biocatalytic Membrane. , 2016, , 1835-1835.		0
172	Energy-saving potential of cross-flow membrane emulsification by ceramic tube membrane with inserted cross-section reducers. Membrane Water Treatment, 2016, 7, 175-191.	0.5	0
173	Editorial: Membrane Technologies for Pharmaceutical Applications. Current Pharmaceutical Design, 2017, 23, 217-217.	0.9	0
174	Food Applications of Membrane Bioreactors. Contemporary Food Engineering, 2017, , 299-360.	0.2	0
175	Membrane Bioreactors for Bioartificial Organs. , 2019, , 394-413.		0
176	Membrane Bioreactors for Production and Separation. , 2019, , 374-393.		0