

Rosalinda Mazzei

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2191392/publications.pdf>

Version: 2024-02-01

46
papers

1,020
citations

393982

19
h-index

433756

31
g-index

52
all docs

52
docs citations

52
times ranked

1254
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane Processes for Microplastic Removal. <i>Molecules</i> , 2019, 24, 4148.	1.7	160
2	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
3	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
4	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
5	Treatment of Olive Mill Wastewater by Forward Osmosis. <i>Separation and Purification Technology</i> , 2015, 147, 292-302.	3.9	58
6	PVDF membrane biofunctionalization by chemical grafting. <i>Journal of Membrane Science</i> , 2015, 476, 483-489.	4.1	55
7	Study of OMWWs suspended solids destabilization to improve membrane processes performance. <i>Separation and Purification Technology</i> , 2015, 149, 183-189.	3.9	40
8	Biocatalytic membrane reactor development for organophosphates degradation. <i>Journal of Hazardous Materials</i> , 2019, 365, 789-795.	6.5	36
9	Purification of triacylglycerols for biodiesel production from <i>Nannochloropsis microalgae</i> by membrane technology. <i>Bioresource Technology</i> , 2013, 140, 172-178.	4.8	34
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Enzyme catalysis coupled with artificial membranes towards process intensification in biorefinery- a review. <i>Bioresource Technology</i> , 2021, 335, 125248.	4.8	23
18	Enzyme-loaded membrane reactor to degrade a pesticide in vegetative waters. <i>Journal of Membrane Science</i> , 2021, 635, 119438.	4.1	22

#	ARTICLE	IF	CITATIONS
19	Biocatalytic zeolite membrane for the production of L-DOPA. <i>Journal of Membrane Science</i> , 2012, 407-408, 86-92.	4.1	20
20	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
21	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
22	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
23	Enzymatic Hydrolysis of Xylan from Coffee Parchment in Membrane Bioreactors. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 7346-7354.	1.8	17
24	Phosphotriesterase-Magnetic Nanoparticle Bioconjugates with Improved Enzyme Activity in a Biocatalytic Membrane Reactor. <i>Bioconjugate Chemistry</i> , 2018, 29, 2001-2008.	1.8	16
25	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
26	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
27	Development of biohybrid immuno-selective membranes for target antigen recognition. <i>Biosensors and Bioelectronics</i> , 2017, 92, 54-60.	5.3	10
28	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
29	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
30	Oleuropein Aglycone Production and Formulation by Integrated Membrane Process. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 16813-16822.	1.8	9
31	Membrane-assisted bioreactors for Pharmaceutical Applications: Optically Pure Enantiomers Production. <i>Current Pharmaceutical Design</i> , 2017, 23, 250-262.	0.9	8
32	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
33	Membrane-assisted biorefinery of microalgae to obtain enriched fractions of bioderived molecules. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 878-888.	1.9	5
34	High Purity of β -Lactalbumin from Binary Protein Mixture by Charged UF Membrane Far from the Isoelectric Point to Limit Fouling. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9167.	1.3	4
35	Biorefinery of Tomato Leaves by Integrated Extraction and Membrane Processes to Obtain Fractions That Enhance Induced Resistance against <i>Pseudomonas syringae</i> Infection. <i>Membranes</i> , 2022, 12, 585.	1.4	3
36	A new combined method to localize enzyme immobilized in polymeric membranes and evaluate its activity in situ. <i>Desalination</i> , 2006, 199, 228-229.	4.0	2

#	ARTICLE	IF	CITATIONS
37	Distribution of phase transfer biocatalyst at the oil/water interface by membrane emulsifier and evaluation of enantioselective performance. <i>Desalination</i> , 2006, 199, 182-184.	4.0	1
38	Antioxidants Recovery by Integrated Membrane Operations. , 2016, , 94-96.		1
39	3.3 Biocatalytic Membranes and Membrane Bioreactors. , 2017, , 55-71.		1
40	Protein Attachment Mechanism for Improved Functionalization of Affinity Monolith Chromatography (AMC). <i>Molecules</i> , 2022, 27, 4496.	1.7	1
41	1.1 From Biological Membranes to Artificial Biomimetic Membranes and Systems. , 2017, , 1-16.		0
42	6. Membrane reactors and membrane bioreactors. , 2018, , 143-202.		0
43	Membrane Bioreactors. , 2015, , 1-5.		0
44	Antioxidants Recovery by Integrated Membrane Operations. , 2016, , 1-3.		0
45	Enzyme Compartmentalization. , 2016, , 720-720.		0
46	Membrane Bioreactors for Production and Separation. , 2019, , 374-393.		0