

Priscilla F Amaral

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1893485/publications.pdf>

Version: 2024-02-01

60
papers

1,506
citations

331259

21
h-index

329751

37
g-index

67
all docs

67
docs citations

67
times ranked

1679
citing authors

#	ARTICLE	IF	CITATIONS
1	Production and characterization of a bioemulsifier from <i>Yarrowia lipolytica</i> . <i>Process Biochemistry</i> , 2006, 41, 1894-1898.	1.8	156
2	Glycerol valorization: New biotechnological routes. <i>Food and Bioproducts Processing</i> , 2009, 87, 179-186.	1.8	116
3	Lipase from <i>Yarrowia lipolytica</i> : Production, characterization and application as an industrial biocatalyst. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 101, 148-158.	1.8	78
4	Decolorization of Dyes from textile wastewater by <i>Trametes versicolor</i> . <i>Environmental Technology (United Kingdom)</i> , 2004, 25, 1313-1320.	1.2	72
5	Biosurfactants from Yeasts: Characteristics, Production and Application. <i>Advances in Experimental Medicine and Biology</i> , 2010, 672, 236-249.	0.8	70
6	Optimization of oxygen mass transfer in a multiphase bioreactor with perfluorodecalin as a second liquid phase. <i>Biotechnology and Bioengineering</i> , 2008, 99, 588-598.	1.7	65
7	Chitosan-alginate beads as encapsulating agents for <i>Yarrowia lipolytica</i> lipase: Morphological, physico-chemical and kinetic characteristics. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 621-630.	3.6	56
8	Produção de biosurfactante por levedura. <i>Quimica Nova</i> , 2008, 31, 2091-2099.	0.3	51
9	Factorial Design to Optimize Biosurfactant Production by <i>Yarrowia lipolytica</i> . <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-8.	3.0	50
10	Cell surface characterization of <i>Yarrowia lipolytica</i> IMUFRJ 50682. <i>Yeast</i> , 2006, 23, 867-877.	0.8	49
11	Mango agro-industrial wastes for lipase production from <i>Yarrowia lipolytica</i> and the potential of the fermented solid as a biocatalyst. <i>Food and Bioproducts Processing</i> , 2019, 115, 68-77.	1.8	49
12	<i>Clostridium</i> sp. as Bio-Catalyst for Fuels and Chemicals Production in a Biorefinery Context. <i>Catalysts</i> , 2019, 9, 962.	1.6	46
13	Simple physical adsorption technique to immobilize <i>Yarrowia lipolytica</i> lipase purified by different methods on magnetic nanoparticles: Adsorption isotherms and thermodynamic approach. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 889-902.	3.6	46
14	Renewable resources for biosurfactant production by <i>Yarrowia lipolytica</i> . <i>Brazilian Journal of Chemical Engineering</i> , 2012, 29, 483-494.	0.7	42
15	Morphological analysis of <i>Yarrowia lipolytica</i> under stress conditions through image processing. <i>Bioprocess and Biosystems Engineering</i> , 2003, 25, 371-375.	1.7	36
16	Improving lipase production using a perfluorocarbon as oxygen carrier. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1368-1374.	1.6	33
17	Evaluating aqueous two-phase systems for <i>Yarrowia lipolytica</i> extracellular lipase purification. <i>Process Biochemistry</i> , 2017, 53, 259-266.	1.8	32
18	Efficient production of bioactive structured lipids by fast acidolysis catalyzed by <i>Yarrowia lipolytica</i> lipase, free and immobilized in chitosan-alginate beads, in solvent-free medium. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 910-918.	3.6	31

#	ARTICLE	IF	CITATIONS
19	Aging mechanisms of oil-in-water emulsions based on a bioemulsifier produced by <i>Yarrowia lipolytica</i> . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 324, 149-154.	2.3	27
20	Accessing regio-and typo-selectivity of <i>Yarrowia lipolytica</i> lipase in its free form and immobilized onto magnetic nanoparticles. <i>Biochemical Engineering Journal</i> , 2016, 109, 101-111.	1.8	25
21	Preparation and characterization of organosilicon thin films for selective adhesion of <i>Yarrowia lipolytica</i> yeast cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 360-366.	1.6	21
22	Beneficial effects of enhanced aeration using perfluorodecalin in <i>Yarrowia lipolytica</i> cultures for lipase production. <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 339-344.	1.7	21
23	High Catalytic Activity of Lipase from <i>Yarrowia lipolytica</i> Immobilized by Microencapsulation. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3393.	1.8	21
24	Lipases as Effective Green Biocatalysts for Phytosterol Esters™ Production: A Review. <i>Catalysts</i> , 2022, 12, 88.	1.6	21
25	Use of <i>Yarrowia lipolytica</i> Lipase Immobilized in Cell Debris for the Production of Lipolyzed Milk Fat (LMF). <i>International Journal of Molecular Sciences</i> , 2018, 19, 3413.	1.8	20
26	Microencapsulation of tiger nut milk by lyophilization: Morphological characteristics, shelf life and microbiological stability. <i>Food Chemistry</i> , 2019, 284, 133-139.	4.2	18
27	Impacts of Syngas Composition on Anaerobic Fermentation. <i>Reactions</i> , 2021, 2, 391-407.	0.9	18
28	Deposition of <i>Yarrowia lipolytica</i> on plasma prepared teflonlike thin films. <i>Surface Engineering</i> , 2008, 24, 23-27.	1.1	17
29	Experimental Design to Improve Cell Growth and Ethanol Production in Syngas Fermentation by <i>Clostridium carboxidivorans</i> . <i>Catalysts</i> , 2020, 10, 59.	1.6	17
30	Biotransformation of Phytosterols into Androstenedione – A Technological Prospecting Study. <i>Molecules</i> , 2022, 27, 3164.	1.7	17
31	A novel osmotic pressure strategy to improve erythritol production by <i>Yarrowia lipolytica</i> from glycerol. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 1883-1886.	1.7	16
32	How dried sourdough starter can enable and spread the use of sourdough bread. <i>LWT - Food Science and Technology</i> , 2021, 149, 111888.	2.5	13
33	Attachment/detachment of <i>Saccharomyces cerevisiae</i> on plasma deposited organosilicon thin films. <i>European Physical Journal D</i> , 2006, 56, B1256-B1262.	0.4	12
34	Waste soybean frying oil for the production, extraction, and characterization of cell-wall-associated lipases from <i>Yarrowia lipolytica</i> . <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 809-818.	1.7	10
35	Palm oil wastes as feedstock for lipase production by <i>Yarrowia lipolytica</i> and biocatalyst application/reuse. <i>3 Biotech</i> , 2021, 11, 191.	1.1	10
36	Polymers as Encapsulating Agents and Delivery Vehicles of Enzymes. <i>Polymers</i> , 2021, 13, 4061.	2.0	10

#	ARTICLE	IF	CITATIONS
37	Factors affecting water colour removal by tyrosinase. <i>International Journal of Environmental Studies</i> , 2013, 70, 316-326.	0.7	9
38	Enzymatic Reactions in Near Critical CO ₂ : The Effect of Pressure on Phenol Removal by Tyrosinase. <i>International Journal of Molecular Sciences</i> , 2009, 10, 5217-5223.	1.8	8
39	<i>Yarrowia lipolytica</i> Adhesion and Immobilization onto Residual Plastics. <i>Polymers</i> , 2020, 12, 649.	2.0	8
40	Extraction, chemical modification by octenyl succinic and characterization of cyperus esculentus starch. <i>Polimeros</i> , 2018, 28, 319-322.	0.2	7
41	Butter whey and corn steep liquor as sole raw materials to obtain a bioemulsifier from <i>Yarrowia lipolytica</i> for food oil-in-water emulsions. <i>Ciencia Rural</i> , 2021, 51, .	0.3	7
42	A New Strategy for Acetogenic Bacteriacell Growth and Metabolites Production Using Syngas in Lab Scale. <i>IOSR Journal of Biotechnology and Biochemistry</i> , 2017, 03, 27-30.	0.1	7
43	Volumetric mass transfer coefficient for carbon monoxide in a dual impeller stirred tank reactor considering a perfluorocarbon-water mixture as liquid phase. <i>Chemical Engineering Research and Design</i> , 2019, 143, 160-169.	2.7	6
44	Investigation of mitochondrial protein expression profiles of <i>Yarrowia lipolytica</i> in response to citric acid production. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1703-1715.	1.7	6
45	Characterization of a bioemulsifier produced from glycerol and glucose by <i>Yarrowia lipolytica</i> . <i>New Biotechnology</i> , 2009, 25, S138.	2.4	5
46	Optimization of laccase catalyzed degradation of reactive textile dyes in supercritical carbon dioxide medium by response surface methodology. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010, 99, 311.	0.8	5
47	Study of trans-trans farnesol effect on hyphae formation by <i>Yarrowia lipolytica</i> . <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 1967-1975.	1.7	5
48	Optimization of the Extraction and Nutritional Value of Tiger Nut Milk by Sequential Design Strategy. <i>Journal of Food Studies</i> , 2017, 6, 14.	0.3	5
49	Residual Gas for Ethanol Production by <i>Clostridium carboxidivorans</i> in a Dual Impeller Stirred Tank Bioreactor (STBR). <i>Fermentation</i> , 2021, 7, 199.	1.4	5
50	Green (Detox) juice physicochemical properties and stabilization effect of naturals emulsifiers. <i>Ciencia Rural</i> , 2020, 50, .	0.3	5
51	Development of nutrient media to increase the accumulation of lipids without genetic modification of a lipogenic microorganism. <i>RSC Advances</i> , 2017, 7, 38149-38154.	1.7	4
52	Valorization of urban waste oil by microbial conversions. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 4, 100145.	2.9	4
53	Catalytic and physical features of a naturally immobilized <i>Yarrowia lipolytica</i> lipase in cell debris (LipImDebri) displaying high thermostability. <i>3 Biotech</i> , 2020, 10, 454.	1.1	3
54	Palm oil fatty acids and carotenoids extraction with lipase immobilized in magnetic nanoparticles. <i>Advanced Materials Letters</i> , 2018, 9, 643-646.	0.3	2

#	ARTICLE	IF	CITATIONS
55	Synthesis of Structured Lipid by Fast Acidolysis Catalysed by <i>Yarrowia lipolytica</i> Lipase in Solvent-free Medium. , 0, , .		0
56	Patent Landscape on Structured Lipids Produced by Enzyme Technology. Recent Patents on Biotechnology, 2018, 12, 252-268.	0.4	0
57	Optimization of Tiger Nut Milk Microencapsulation Process: Evaluation of Solubility and Oxidative Stability. International Journal of Advanced Engineering Research and Science, 2019, 6, 251-260.	0.0	0
58	Compara��o da capacidade fermentativa e do crescimento celular de duas cepas de leveduras: <i>Saccharomyces cerevisiae</i> S-23 e WB-06 em meio sint�tico de trigo sarraceno e meio rico. , 2019, , .		0
59	UTILIZA��O DE RES�DUO MILHOCINA COMO FONTE DE VITAMINAS E NITROG�NIO ORG�NICO NA PRODU��O DE ERITRITOL POR <i>Yarrowia lipolytica</i> . , 0, , 75-83.		0
60	Avalia��o da influ�ncia de insumos de alto e baixo custo na produ��o de diferentes metab�litos por <i>Yarrowia lipolytica</i> para emprego na ind�stria de alimentos. Brazilian Journal of Development, 2020, 6, 20544-20553.	0.0	0