

# Priscilla F Amaral

## List of Publications by Year in descending order

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60  
papers

1,506  
citations

331538

21  
h-index

330025

37  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1679  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipases as Effective Green Biocatalysts for Phytosterol Esters™ Production: A Review. <i>Catalysts</i> , 2022, 12, 88.	1.6	21
2	Biotransformation of Phytosterols into Androstenedione – A Technological Prospecting Study. <i>Molecules</i> , 2022, 27, 3164.	1.7	17
3	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
4	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
5	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
6	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
7	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
8	Impacts of Syngas Composition on Anaerobic Fermentation. <i>Reactions</i> , 2021, 2, 391-407.	0.9	18
9	Valorization of urban waste oil by microbial conversions. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 4, 100145.	2.9	4
10	Polymers as Encapsulating Agents and Delivery Vehicles of Enzymes. <i>Polymers</i> , 2021, 13, 4061.	2.0	10
11	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
12	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
13	<i>Yarrowia lipolytica</i> Adhesion and Immobilization onto Residual Plastics. <i>Polymers</i> , 2020, 12, 649.	2.0	8
14	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
15	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
16	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
17	Green (Detox) juice physicochemical properties and stabilization effect of natural emulsifiers. <i>Ciencia Rural</i> , 2020, 50, .	0.3	5
18	Avaliação da influência de insumos de alto e baixo custo na produção de diferentes metabólitos por <i>Yarrowia lipolytica</i> para emprego na indústria de alimentos. <i>Brazilian Journal of Development</i> , 2020, 6, 20544-20553.	0.0	0

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19	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
20	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
21	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
22	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
23	<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
24	Optimization of Tiger Nut Milk Microencapsulation Process: Evaluation of Solubility and Oxidative Stability. <i>International Journal of Advanced Engineering Research and Science</i> , 2019, 6, 251-260.	0.0	0
25	Comparaç�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
26	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
27	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
28	Extraction, chemical modification by octenyl succinic and characterization of <i>cyperus esculentus</i> starch. <i>Polimeros</i> , 2018, 28, 319-322.	0.2	7
29	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
30	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
31	Patent Landscape on Structured Lipids Produced by Enzyme Technology. <i>Recent Patents on Biotechnology</i> , 2018, 12, 252-268.	0.4	0
32	Evaluating aqueous two-phase systems for <i>Yarrowia lipolytica</i> extracellular lipase purification. <i>Process Biochemistry</i> , 2017, 53, 259-266.	1.8	32
33	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
34	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
35	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
36	Assessing 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

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37	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
38	Factors affecting water colour removal by tyrosinase. <i>International Journal of Environmental Studies</i> , 2013, 70, 316-326.	0.7	9
39	Study of trans- $\epsilon$ -trans farnesol effect on hyphae formation by <i>Yarrowia lipolytica</i> . <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 1967-1975.	1.7	5
40	Renewable resources for biosurfactant production by <i>Yarrowia lipolytica</i> . <i>Brazilian Journal of Chemical Engineering</i> , 2012, 29, 483-494.	0.7	42
41	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
42	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
43	Biosurfactants from Yeasts: Characteristics, Production and Application. <i>Advances in Experimental Medicine and Biology</i> , 2010, 672, 236-249.	0.8	70
44	Enzymatic Reactions in Near Critical CO <sub>2</sub> : The Effect of Pressure on Phenol Removal by Tyrosinase. <i>International Journal of Molecular Sciences</i> , 2009, 10, 5217-5223.	1.8	8
45	Glycerol valorization: New biotechnological routes. <i>Food and Bioproducts Processing</i> , 2009, 87, 179-186.	1.8	116
46	Characterization of a bioemulsifier produced from glycerol and glucose by <i>Yarrowia lipolytica</i> . <i>New Biotechnology</i> , 2009, 25, S138.	2.4	5
47	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
48	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
49	Deposition of <i>Yarrowia lipolytica</i> on plasma prepared teflonlike thin films. <i>Surface Engineering</i> , 2008, 24, 23-27.	1.1	17
50	Produção de biosurfactante por levedura. <i>Quimica Nova</i> , 2008, 31, 2091-2099.	0.3	51
51	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
52	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
53	Cell surface characterization of <i>Yarrowia lipolytica</i> IMUFRJ 50682. <i>Yeast</i> , 2006, 23, 867-877.	0.8	49
54	Production and characterization of a bioemulsifier from <i>Yarrowia lipolytica</i> . <i>Process Biochemistry</i> , 2006, 41, 1894-1898.	1.8	156

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55	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
56	Improving lipase production using a perfluorocarbon as oxygen carrier. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1368-1374.	1.6	33
57	Decolorization of Dyes from textile wastewater by <i>Trametes versicolor</i> . <i>Environmental Technology (United Kingdom)</i> , 2004, 25, 1313-1320.	1.2	72
58	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
59	Synthesis of Structured Lipid by Fast Acidolysis Catalysed by <i>yarrowia Lipolytica</i> Lipase in Solvent-free Medium. , 0, , .		0
60	UTILIZAÇÃO DE RESÍDUO MILHOCINA COMO FONTE DE VITAMINAS E NITROGÊNIO ORGÂNICO NA PRODUÇÃO DE ERITRITOL POR <i>Yarrowia lipolytica</i> . , 0, , 75-83.		0