

Isabel Belo

List of Publications by Year in descending order

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74
papers

2,589
citations

145106

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242451

47
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78
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docs citations

78
times ranked

2485
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Yarrowia lipolytica</i> as a biorefinery platform for effluents and solid wastes valorization – challenges and opportunities. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 163-183.	5.1	25
2	Degradation of lignocellulosic matrix of oilseed cakes by solid-state fermentation: fungi screening for enzymes production and antioxidants release. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 1550-1560.	1.7	18
3	Application of fermented brewer's spent grain extract in plant-based diets for European seabass juveniles. <i>Aquaculture</i> , 2022, 552, 738013.	1.7	5
4	Bio-oil production for biodiesel industry by <i>Yarrowia lipolytica</i> from volatile fatty acids in two-stage batch culture. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2869-2881.	1.7	17
5	Valorization of Brewer's Spent Grain Using Biological Treatments and its Application in Feeds for European Seabass (<i>Dicentrarchus labrax</i>). <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 732948.	2.0	8
6	Application of Fermented Brewer's Spent Grain Extract in Plant-Based Diets Improves Pre- and Post-mortem Oxidative Status of European Seabass (<i>Dicentrarchus labrax</i>). <i>Aquaculture Nutrition</i> , 2022, 2022, 1-12.	1.1	2
7	Recent advances in production of lignocellulolytic enzymes by solid-state fermentation of agro-industrial wastes. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 27, 100407.	3.2	60
8	<i>Candida tropicalis</i> as a Promising Oleaginous Yeast for Olive Mill Wastewater Bioconversion. <i>Energies</i> , 2021, 14, 640.	1.6	20
9	Factors affecting microbial lipids production by <i>Yarrowia lipolytica</i> strains from volatile fatty acids: Effect of co-substrates, operation mode and oxygen. <i>Journal of Biotechnology</i> , 2021, 331, 37-47.	1.9	26
10	Valorization of crude glycerol as carbon source for the bioconversion of L-phenylamine to 2-phenylethanol by <i>Yarrowia</i> species. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2940-2949.	1.6	8
11	Highly aerated cultures boost gluconic acid production by the yeast-like fungus <i>Aureobasidium pullulans</i> . <i>Biochemical Engineering Journal</i> , 2021, 175, 108133.	1.8	17
12	Co-management of agro-industrial wastes by solid-state fermentation for the production of bioactive compounds. <i>Industrial Crops and Products</i> , 2021, 172, 113990.	2.5	18
13	Polyunsaturated fatty acids production by solid-state fermentation on polyurethane foam by <i>Mortierella alpina</i> . <i>Biotechnology Progress</i> , 2021, 37, e3113.	1.3	5
14	Solid-state fermented brewer's spent grain enzymatic extract increases in vitro and in vivo feed digestibility in European seabass. <i>Scientific Reports</i> , 2021, 11, 22946.	1.6	14
15	Microbial valorization of waste cooking oils for valuable compounds production – a review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 2583-2616.	6.6	52
16	Improved lignocellulolytic enzyme production and antioxidant extraction using solid-state fermentation of olive pomace mixed with winery waste. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, 78-91.	1.9	47
17	Bio-enrichment of oilseed cakes by <i>Mortierella alpina</i> under solid-state fermentation. <i>LWT - Food Science and Technology</i> , 2020, 134, 109981.	2.5	11
18	Simultaneous production of lignocellulolytic enzymes and extraction of antioxidant compounds by solid-state fermentation of agro-industrial wastes. <i>Industrial Crops and Products</i> , 2019, 137, 315-322.	2.5	87

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19	Sequential bioprocessing of <i>Ulva rigida</i> to produce lignocellulolytic enzymes and to improve its nutritional value as aquaculture feed. <i>Bioresource Technology</i> , 2019, 281, 277-285.	4.8	26
20	NIR spectroscopy applied to the determination of 2-phenylethanol and L-phenylalanine concentrations in culture medium of <i>Yarrowia lipolytica</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 812-818.	1.6	10
21	Waste Cooking Oils as Feedstock for Lipase and Lipid-Rich Biomass Production. <i>European Journal of Lipid Science and Technology</i> , 2019, 121, 1800188.	1.0	72
22	Mediterranean agro-industrial wastes as valuable substrates for lignocellulolytic enzymes and protein production by solid-state fermentation. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 5248-5256.	1.7	33
23	Lipase production by solid-state fermentation of olive pomace in tray-type and pressurized bioreactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1312-1319.	1.6	8
24	Microbial lipids and added value metabolites production by <i>Yarrowia lipolytica</i> from pork lard. <i>Journal of Biotechnology</i> , 2018, 265, 76-85.	1.9	75
25	Generation of Flavors and Fragrances Through Biotransformation and De Novo Synthesis. <i>Food and Bioprocess Technology</i> , 2018, 11, 2217-2228.	2.6	65
26	Optimization of lipase production by <i>Aspergillus ibericus</i> from oil cakes and its application in esterification reactions. <i>Food and Bioproducts Processing</i> , 2017, 102, 268-277.	1.8	52
27	Optimization of lipase production by solid-state fermentation of olive pomace: from flask to laboratory-scale packed-bed bioreactor. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1123-1132.	1.7	43
28	Oxygen transfer rate and pH as major operating parameters of citric acid production from glycerol by <i>Yarrowia lipolytica</i> W29 and CBS 2073. <i>Chemical Papers</i> , 2016, 70, .	1.0	22
29	Ultrasounds pretreatment of olive pomace to improve xylanase and cellulase production by solid-state fermentation. <i>Bioresource Technology</i> , 2016, 214, 737-746.	4.8	89
30	Combined bioremediation and enzyme production by <i>Aspergillus</i> sp. in olive mill and winery wastewaters. <i>International Biodeterioration and Biodegradation</i> , 2016, 110, 16-23.	1.9	46
31	Biotechnological production of Î³-decalactone, a peach like aroma, by <i>Yarrowia lipolytica</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2016, 32, 169.	1.7	60
32	Olive pomace valorization by <i>Aspergillus</i> species: lipase production using solid-state fermentation. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 3583-3589.	1.7	36
33	Oxygen mass transfer impact on citric acid production by <i>Yarrowia lipolytica</i> from crude glycerol. <i>Biochemical Engineering Journal</i> , 2016, 110, 35-42.	1.8	39
34	Quantitative image analysis as a tool for <i>Yarrowia lipolytica</i> dimorphic growth evaluation in different culture media. <i>Journal of Biotechnology</i> , 2016, 217, 22-30.	1.9	20
35	Enhancing the Bioconversion of Winery and Olive Mill Waste Mixtures into Lignocellulolytic Enzymes and Animal Feed by <i>Aspergillus uvarum</i> Using a Packed-Bed Bioreactor. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9306-9314.	2.4	42
36	Production of Î³-decalactone by <i>Yarrowia lipolytica</i> : insights into experimental conditions and operating mode optimization. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 559-565.	1.6	36

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37	Biocatalysis in Micellar Systems. RSC Green Chemistry, 2015, , 178-196.	0.0	2
38	Integrated Use of Residues from Olive Mill and Winery for Lipase Production by Solid State Fermentation with <i>Aspergillus</i> sp.. Applied Biochemistry and Biotechnology, 2014, 172, 1832-1845.	1.4	40
39	Screening of winery and olive mill wastes for lignocellulolytic enzyme production from <i>Aspergillus</i> species by solid-state fermentation. Biomass Conversion and Biorefinery, 2014, 4, 201-209.	2.9	24
40	Enhanced heterologous protein production in <i>Pichia pastoris</i> under increased air pressure. Biotechnology Progress, 2014, 30, 1040-1047.	1.3	14
41	Overpressurized bioreactors: Application to microbial cell cultures. Biotechnology Progress, 2014, 30, 767-775.	1.3	23
42	Application of benzo[a]phenoxazinium chlorides in antimicrobial photodynamic therapy of <i>Candida albicans</i> biofilms. Journal of Photochemistry and Photobiology B: Biology, 2014, 141, 93-99.	1.7	29
43	<i>Candida utilis</i> metabolism and morphology under increased air pressure up to 12bar. Process Biochemistry, 2014, 49, 374-379.	1.8	9
44	An air-lift biofilm reactor for the production of δ^3 -decalactones by <i>Yarrowia lipolytica</i> . Process Biochemistry, 2014, 49, 1377-1382.	1.8	23
45	Comparison of <i>Yarrowia lipolytica</i> and <i>Pichia pastoris</i> Cellular Response to Different Agents of Oxidative Stress. Applied Biochemistry and Biotechnology, 2013, 170, 448-458.	1.4	15
46	Immobilization of <i>Yarrowia lipolytica</i> for Aroma Production from Castor Oil. Applied Biochemistry and Biotechnology, 2013, 169, 2202-2211.	1.4	41
47	Batch and fed-batch growth of <i>Pichia pastoris</i> under increased air pressure. Bioprocess and Biosystems Engineering, 2013, 36, 1267-1275.	1.7	8
48	Impact of Lipase-Mediated Hydrolysis of Castor Oil on δ^3 -Decalactone Production by <i>Yarrowia lipolytica</i> . JAOCS, Journal of the American Oil Chemists' Society, 2013, 90, 1131-1137.	0.8	30
49	Lipase production by <i>Aspergillus ibericus</i> using olive mill wastewater. Bioprocess and Biosystems Engineering, 2013, 36, 285-291.	1.7	45
50	Oxygen Mass Transfer Rate in a Pressurized Lab-Scale Stirred Bioreactor. Chemical Engineering and Technology, 2013, 36, 1779-1784.	0.9	15
51	Lipase Induction in <i>Yarrowia lipolytica</i> for Castor Oil Hydrolysis and Its Effect on δ^3 -Decalactone Production. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 1041-1047.	0.8	30
52	Fed-batch fermentation of olive mill wastewaters for lipase production. Journal of Chemical Technology and Biotechnology, 2012, 87, 1215-1218.	1.6	12
53	Fed-batch versus batch cultures of <i>Yarrowia lipolytica</i> for δ^3 -decalactone production from methyl ricinoleate. Biotechnology Letters, 2012, 34, 649-654.	1.1	48
54	Empirical modelling as an experimental approach to optimize lactone production. Catalysis Science and Technology, 2011, 1, 86.	2.1	14

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55	Optimization of a colorimetric assay for yeast lipase activity in complex systems. <i>Analytical Methods</i> , 2011, 3, 1008.	1.3	34
56	Oil-in-water emulsions characterization by laser granulometry and impact on $\hat{1}^3$ -decalactone production in <i>Yarrowia lipolytica</i> . <i>Biotechnology Letters</i> , 2011, 33, 1601-1606.	1.1	13
57	Biochemistry of lactone formation in yeast and fungi and its utilisation for the production of flavour and fragrance compounds. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 535-547.	1.7	123
58	The use of methyl ricinoleate in lactone production by <i>Yarrowia lipolytica</i> : Aspects of bioprocess operation that influence the overall performance. <i>Biocatalysis and Biotransformation</i> , 2010, 28, 227-234.	1.1	28
59	Adaptation of dinitrosalicylic acid method to microtiter plates. <i>Analytical Methods</i> , 2010, 2, 2046.	1.3	145
60	OLIVE MILL WASTEWATER AS A RENEWABLE RESOURCE. <i>Environmental Engineering and Management Journal</i> , 2010, 9, 319-325.	0.2	2
61	The use of olive mill wastewater by wild type <i>Yarrowia lipolytica</i> strains: medium supplementation and surfactant presence effect. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 533-537.	1.6	43
62	<i>Yarrowia lipolytica</i> Growth Under Increased Air Pressure: Influence on Enzyme Production. <i>Applied Biochemistry and Biotechnology</i> , 2009, 159, 46-53.	1.4	45
63	Production of 3-hydroxy- $\hat{1}^3$ -decalactone, the precursor of two decenolides with flavouring properties, by the yeast <i>Yarrowia lipolytica</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 57, 22-26.	1.8	32
64	Oxygen mass transfer to emulsions in a bubble column contactor. <i>Chemical Engineering Journal</i> , 2009, 152, 354-360.	6.6	36
65	Biological treatment of olive mill wastewater by non-conventional yeasts. <i>Bioresource Technology</i> , 2009, 100, 3759-3763.	4.8	100
66	Oxygen mass transfer in a biphasic medium: Influence on the biotransformation of methyl ricinoleate into $\hat{1}^3$ -decalactone by the yeast <i>Yarrowia lipolytica</i> . <i>Biochemical Engineering Journal</i> , 2007, 35, 380-386.	1.8	63
67	Decalactone Production by <i>Yarrowia lipolytica</i> under increased O ₂ Transfer Rates. <i>Biotechnology Letters</i> , 2005, 27, 1617-1621.	1.1	56
68	Morphological and physiological changes in <i>Saccharomyces cerevisiae</i> by oxidative stress from hyperbaric air. <i>Journal of Biotechnology</i> , 2005, 115, 397-404.	1.9	22
69	Fermentative capacity of baker's yeast exposed to hyperbaric stress. <i>Biotechnology Letters</i> , 2004, 26, 1237-1240.	1.1	11
70	Effect of hyperbaric stress on yeast morphology: study by automated image analysis. <i>Applied Microbiology and Biotechnology</i> , 2004, 66, 318-324.	1.7	43
71	Growth and beta-galactosidase activity in cultures of <i>Kluyveromyces marxianus</i> under increased air pressure. <i>Letters in Applied Microbiology</i> , 2003, 37, 438-442.	1.0	49
72	Oxidative stress response of <i>Kluyveromyces marxianus</i> to hydrogen peroxide, paraquat and pressure. <i>Applied Microbiology and Biotechnology</i> , 2002, 58, 842-847.	1.7	47

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73	Air pressure effects on biomass yield of two different <i>Kluyveromyces</i> strains. <i>Enzyme and Microbial Technology</i> , 2000, 26, 756-762.	1.6	37
74	Physiological behaviour of <i>Saccharomyces cerevisiae</i> under increased air and oxygen pressures. <i>Biotechnology Letters</i> , 1997, 19, 703-708.	1.1	17