

Triantafyllos Roukas

List of Publications by Year in descending order

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70
papers

2,440
citations

147726

31
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223716

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71
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1735
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of lactic acid production from beet molasses by <i>Lactobacillus delbrueckii</i> NCIMB 8130. <i>World Journal of Microbiology and Biotechnology</i> , 2002, 18, 441-448.	1.7	134
2	Pretreatment of beet molasses to increase pullulan production. <i>Process Biochemistry</i> , 1998, 33, 805-810.	1.8	106
3	Characterization of pullulan produced from beet molasses by <i>Aureobasidium pullulans</i> in a stirred tank reactor under varying agitation. <i>Enzyme and Microbial Technology</i> , 2002, 31, 122-132.	1.6	100
4	Effect of the aeration rate and agitation speed on β -carotene production and morphology of <i>Blakeslea trispora</i> in a stirred tank reactor: mathematical modeling. <i>Biochemical Engineering Journal</i> , 2002, 10, 123-135.	1.8	97
5	Evaluation of carob pod as a substrate for pullulan production by <i>Aureobasidium pullulans</i> . <i>Applied Biochemistry and Biotechnology</i> , 1995, 55, 27-44.	1.4	89
6	Citric and gluconic acid production from fig by <i>Aspergillus niger</i> using solid-state fermentation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2000, 25, 298-304.	1.4	81
7	Lactic acid production from deproteinized whey by mixed cultures of free and coimmobilized <i>Lactobacillus casei</i> and <i>Lactococcus lactis</i> cells using fedbatch culture. <i>Enzyme and Microbial Technology</i> , 1998, 22, 199-204.	1.6	79
8	Citric acid production from carob pod by solid-state fermentation. <i>Enzyme and Microbial Technology</i> , 1999, 24, 54-59.	1.6	68
9	Ethanol production from non-sterilized beet molasses by free and immobilized <i>Saccharomyces cerevisiae</i> cells using fed-batch culture. <i>Journal of Food Engineering</i> , 1996, 27, 87-96.	2.7	67
10	Waste cooking oil: A new substrate for carotene production by <i>Blakeslea trispora</i> in submerged fermentation. <i>Bioresource Technology</i> , 2016, 203, 198-203.	4.8	62
11	Pretreatment of date syrup to increase citric acid production. <i>Enzyme and Microbial Technology</i> , 1997, 21, 273-276.	1.6	61
12	Pullulan production by a non-pigmented strain of <i>Aureobasidium pullulans</i> using batch and fed-batch culture. <i>Process Biochemistry</i> , 1999, 34, 355-366.	1.8	61
13	Production and Characterization of Pullulan from Beet Molasses Using a Nonpigmented Strain of <i>Aureobasidium pullulans</i> in Batch Culture. <i>Applied Biochemistry and Biotechnology</i> , 2002, 97, 01-22.	1.4	53
14	Pullulan production from brewery wastes by <i>Aureobasidium pullulans</i> . <i>World Journal of Microbiology and Biotechnology</i> , 1999, 15, 447-450.	1.7	52
15	Effect of the aeration rate on pullulan production and fermentation broth rheological properties in an airlift reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2001, 76, 371-376.	1.6	46
16	Pomegranate peel waste: a new substrate for citric acid production by <i>Aspergillus niger</i> in solid-state fermentation under non-aseptic conditions. <i>Environmental Science and Pollution Research</i> , 2020, 27, 13105-13113.	2.7	45
17	The effect of pH on production of citric and gluconic acid from beet molasses using continuous culture. <i>Biotechnology Letters</i> , 1988, 10, 289-294.	1.1	43
18	Production of lactic acid from deproteinized whey by coimmobilized <i>Lactobacillus casei</i> and <i>Lactococcus lactis</i> cells. <i>Enzyme and Microbial Technology</i> , 1991, 13, 33-38.	1.6	42

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19	Optimization of the production of β -carotene from molasses by <i>Blakeslea trispora</i> : a statistical approach. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 933-943.	1.6	42
20	Performance of Crude Olive Pomace Oil and Soybean Oil during Carotenoid Production by <i>Blakeslea trispora</i> in Submerged Fermentation. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 2575-2581.	2.4	40
21	Ethanol production from nonsterilized carob pod extract by free and immobilized <i>Saccharomyces cerevisiae</i> cells using fed-batch culture. <i>Biotechnology and Bioengineering</i> , 1994, 43, 189-194.	1.7	37
22	Production of pullulan from beet molasses by <i>Aureobasidium pullulans</i> in a stirred tank fermentor. <i>Journal of Food Engineering</i> , 1999, 40, 89-94.	2.7	37
23	Improved production of carotenes from synthetic medium by <i>Blakeslea trispora</i> in a bubble column reactor. <i>Biochemical Engineering Journal</i> , 2012, 67, 203-207.	1.8	37
24	Enhancement of pullulan production by <i>aureobasidium pullulans</i> in batch culture using olive oil and sucrose as carbon sources. <i>Applied Biochemistry and Biotechnology</i> , 1998, 74, 13-30.	1.4	35
25	An Improved Method for Extraction of β -Carotene from <i>Blakeslea trispora</i> . <i>Applied Biochemistry and Biotechnology</i> , 2001, 90, 37-46.	1.4	35
26	Optimization of β -Carotene Production from Synthetic Medium by <i>Blakeslea trispora</i> : A Mathematical Modeling. <i>Applied Biochemistry and Biotechnology</i> , 2002, 101, 153-176.	1.4	35
27	Stimulation of the biosynthesis of carotenes by oxidative stress in <i>Blakeslea trispora</i> induced by elevated dissolved oxygen levels in the culture medium. <i>Bioresource Technology</i> , 2011, 102, 8159-8164.	4.8	35
28	Optimization of extracellular lipase production by <i>Debaryomyces hansenii</i> isolates from dry-salted olives using response surface methodology. <i>Food and Bioprocess Technology</i> , 2013, 91, 413-420.	1.8	35
29	Influence of some trace metals and stimulants on citric acid production from brewery wastes by <i>Aspergillus niger</i> . <i>Enzyme and Microbial Technology</i> , 1987, 9, 291-294.	1.6	34
30	Oxidative Stress Response and Morphological Changes of <i>Blakeslea trispora</i> Induced by Butylated Hydroxytoluene During Carotene Production. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 2415-2423.	1.4	34
31	Production of Citric Acid from Brewery Wastes by Surface Fermentation Using <i>Aspergillus niger</i> . <i>Journal of Food Science</i> , 1986, 51, 225-228.	1.5	33
32	Pullulan production from deproteinized whey by <i>Aureobasidium pullulans</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 1999, 22, 617-621.	1.4	32
33	Effect of oxygen transfer rate on β -carotene production from synthetic medium by <i>Blakeslea trispora</i> in shake flask culture. <i>Enzyme and Microbial Technology</i> , 2005, 37, 687-694.	1.6	31
34	Continuous production of lactic acid from deproteinized whey by coimmobilized <i>Lactobacillus casei</i> and <i>Lactococcus lactis</i> cells in a packed-bed reactor. <i>Food Biotechnology</i> , 1996, 10, 231-242.	0.6	29
35	From Cheese Whey to Carotenes by <i>Blakeslea trispora</i> in a Bubble Column Reactor. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 182-193.	1.4	29
36	Continuous ethanol production from carob pod extract by immobilized <i>Saccharomyces cerevisiae</i> in a packed-bed reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 1994, 59, 387-393.	1.6	28

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37	Production of β -Carotene From Beet Molasses by <i>Blakeslea trispora</i> in Stirred-Tank and Bubble Column Reactors: Development of a Mathematical Modeling. <i>Applied Biochemistry and Biotechnology</i> , 2004, 112, 37-54.	1.4	27
38	Oxidative stress and morphological changes in <i>Blakeslea trispora</i> induced by enhanced aeration during carotene production in a bubble column reactor. <i>Biochemical Engineering Journal</i> , 2011, 54, 172-177.	1.8	27
39	Ethanol production from carob pods by <i>Saccharomyces cerevisiae</i> . <i>Food Biotechnology</i> , 1993, 7, 159-176.	0.6	26
40	Role of hydrolytic enzymes and oxidative stress in autolysis and morphology of <i>Blakeslea trispora</i> during β -carotene production in submerged fermentation. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 447-453.	1.7	23
41	Effect of Biomass Pre-Treatment and Solvent Extraction on β -Carotene and Lycopene Recovery from <i>Blakeslea trispora</i> Cells. <i>Preparative Biochemistry and Biotechnology</i> , 2008, 38, 246-256.	1.0	22
42	Kinetics of ethanol production from carob pods extract by immobilized <i>Saccharomyces cerevisiae</i> cells. <i>Applied Biochemistry and Biotechnology</i> , 1994, 44, 49-64.	1.4	21
43	IDENTIFICATION OF CAROTENOIDS PRODUCED FROM CHEESE WHEY BY <i>BLAKESLEA TRISPOR</i> IN SUBMERGED FERMENTATION. <i>Preparative Biochemistry and Biotechnology</i> , 2009, 40, 76-82.	1.0	21
44	Continuous ethanol production from nonsterilized carob pod extract by immobilized <i>Saccharomyces cerevisiae</i> on mineral kissiris using a two-reactor system. <i>Applied Biochemistry and Biotechnology</i> , 1996, 59, 299-307.	1.4	20
45	Carob pod: A new substrate for citric acid production by <i>Aspergillus niger</i> . <i>Applied Biochemistry and Biotechnology</i> , 1998, 74, 43-53.	1.4	20
46	Rotary biofilm reactor: A new tool for long-term bioethanol production from non-sterilized beet molasses by <i>Saccharomyces cerevisiae</i> in repeated-batch fermentation. <i>Journal of Cleaner Production</i> , 2020, 257, 120519.	4.6	20
47	The role of oxidative stress on carotene production by <i>Blakeslea trispora</i> in submerged fermentation. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 1-10.	5.1	19
48	From food industry wastes to second generation bioethanol: a review. <i>Reviews in Environmental Science and Biotechnology</i> , 2022, 21, 299-329.	3.9	19
49	Application of Response Surface Methodology to Improve Carotene Production from Synthetic Medium by <i>Blakeslea trispora</i> in Submerged Fermentation. <i>Food and Bioprocess Technology</i> , 2012, 5, 1189-1196.	2.6	18
50	Production of Citric Acid from Beet Molasses by Immobilized Cells of <i>Aspergillus niger</i> . <i>Journal of Food Science</i> , 1991, 56, 878-880.	1.5	17
51	Citric acid production from carob pod extract by cell recycle of <i>Aspergillus niger</i> at cc 9142. <i>Food Biotechnology</i> , 1998, 12, 91-104.	0.6	17
52	Production of Beta-Carotene from Synthetic Medium by <i>Blakeslea trispora</i> in Fed-batch Culture. <i>Food Biotechnology</i> , 2004, 18, 343-361.	0.6	17
53	Effect of the ratio of (+) and ($\hat{\alpha}$) mating type of <i>Blakeslea trispora</i> on carotene production from cheese whey in submerged fermentation. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 2151-2156.	1.7	17
54	Ethanol production from deproteinized whey by β -galactosidase coimmobilized cells of <i>Saccharomyces cerevisiae</i> . <i>Journal of Industrial Microbiology</i> , 1991, 7, 15-18.	0.9	16

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55	Effect of the Shear Rate on Pullulan Production from Beet Molasses by <i>Aureobasidium pullulans</i> in an Airlift Reactor. <i>Applied Biochemistry and Biotechnology</i> , 1999, 80, 77-90.	1.4	16
56	AUTOLYSIS OF <i>Blakeslea trispora</i> DURING CAROTENE PRODUCTION FROM CHEESE WHEY IN AN AIRLIFT REACTOR. <i>Preparative Biochemistry and Biotechnology</i> , 2010, 41, 7-21.	1.0	16
57	Ethanol production from carob pod extract by immobilized <i>Saccharomyces cerevisiae</i> cells on the mineral kassiris. <i>Food Biotechnology</i> , 1995, 9, 175-188.	0.6	15
58	OPTIMIZATION OF β -CAROTENE PRODUCTION FROM SYNTHETIC MEDIUM BY <i>BLAKESLEA TRISPOA</i> IN A STIRRED TANK REACTOR AND RELATIONSHIP BETWEEN MORPHOLOGICAL CHANGES AND PIGMENT FORMATION. <i>Food Biotechnology</i> , 2002, 16, 167-187.	0.6	15
59	Oxidative Stress Response of <i>Blakeslea trispora</i> Induced by Iron Ions During Carotene Production in Shake Flask Culture. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 2281-2289.	1.4	15
60	Production of β -Carotene from Beet Molasses and Deproteinized Whey by <i>Blakeslea trispora</i> . <i>Food Biotechnology</i> , 2003, 17, 203-215.	0.6	14
61	Citric acid production from beet molasses by cell recycle of <i>Aspergillus niger</i> . <i>Journal of Industrial Microbiology</i> , 1991, 7, 71-73.	0.9	13
62	Effect of Non-Ionic Surfactants and Beta-Ionone on the Morphology of <i>Blakeslea trispora</i> and Carotenoids Production from Cheese Whey in Submerged Aerobic Growth: A Statistical Approach. <i>Food Biotechnology</i> , 2010, 24, 197-214.	0.6	12
63	Influence of impeller speed on citric acid production and selected enzyme activities of the TCA cycle. <i>Journal of Industrial Microbiology</i> , 1991, 7, 221-225.	0.9	11
64	Modified rotary biofilm reactor: A new tool for enhanced carotene productivity by <i>Blakeslea trispora</i> . <i>Journal of Cleaner Production</i> , 2018, 174, 1114-1121.	4.6	11
65	Carotene production from waste cooking oil by <i>Blakeslea trispora</i> in a bubble column reactor: The role of oxidative stress. <i>Engineering in Life Sciences</i> , 2017, 17, 775-780.	2.0	10
66	A new medium for spore production of <i>Blakeslea trispora</i> using response surface methodology. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 307-317.	1.7	7
67	Characterization and Distribution of Lactobacilli during Lactic Fermentation of Okra (<i>Hibiscus</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 1 1.5 ⁵		
68	OPTIMIZATION STUDY FOR THE PRODUCTION OF CITRIC AND GLUCONIC ACID FROM FIG WATER EXTRACT BY <i>ASPERGILLUS NIGER</i> IN SURFACE FERMENTATION. <i>Food Biotechnology</i> , 2002, 16, 17-28.	0.6	4
69	Rheological properties of pullulan fermentation broth in a stirred tank fermentor. <i>Food Biotechnology</i> , 1999, 13, 255-266.	0.6	3
70	Fermentation Characteristics of Lactobacilli in Okra (<i>Hibiscus esculentus</i>) Juice. <i>Journal of Food Science</i> , 1987, 52, 487-488.	1.5	2