StanisÅ‚aw BÅ‚aÅ¼ejak

List of Publications by Year
in descending order

45 papers	2,602 citations	186254 28 h-index	214788 47 g-index
47 all docs	47 docs citations	47 times ranked	2886 citing authors

#	Article	IF	Citations
1	Enhancing Red Yeast Biomass Yield and Lipid Biosynthesis by Using Waste Nitrogen Source by Glucose Fed-Batch at Low Temperature. Microorganisms, 2022, 10, 1253.	3.6	4
2	Sporobolomyces and Sporidiobolus â€“ non-conventional yeasts for use in industries. Fungal Biology Reviews, 2021, 37, 41-58.	4.7	24
3	The use of bacteriophages against saprophytic mesophilic bacteria in minimally processed food. Acta Scientiarum Polonorum, Technologia Alimentaria, 2021, 20, 473-484.	0.3	3
4	Effect of Selected Cations and B Vitamins on the Biosynthesis of Carotenoids by Rhodotorula mucilaginosa Yeast in the Media with Agro-Industrial Wastes. Applied Sciences (Switzerland), 2021, 11, 11886.	2.5	7
5	Valorization of Deproteinated Potato Juice Water into Î²-Glucan Preparation of C. utilis Origin: Comparative Study of Preparations Obtained by Two Isolation Methods. Waste and Biomass Valorization, 2020, 11, 3257-3271.	3.4	17
6	Comparison of simple and rapid cell wall disruption methods for improving lipid extraction from yeast cells. Journal of Microbiological Methods, 2020, 176, 105999.	1.6	21
7	Metabolic Response of the Yeast Candida utilis During Enrichment in Selenium. International Journal of Molecular Sciences, 2020, 21, 5287.	4.1	26
8	Production of lipids and carotenoids by Rhodotorula gracilis ATCC 10788 yeast in a bioreactor using low-cost wastes. Biocatalysis and Agricultural Biotechnology, 2020, 26, 101634.	3.1	36
9	Accumulation of Selenium in Candida utilis Growing in Media of Increasing Concentration of this Element. Applied Sciences (Switzerland), 2020, 10, 1439.	2.5	8
10	Biotechnological Methods of Management and Utilization of Potato Industry Wasteâ€”a Review. Potato Research, 2020, 63, 431-447.	2.7	51
11	Effect of exogenous stress factors on the biosynthesis of carotenoids and lipids by Rhodotorula yeast strains in media containing agro-industrial waste. World Journal of Microbiology and Biotechnology, 2019, 35, 157.	3.6	59
12	Deproteinated potato wastewater as a low-cost nitrogen substrate for very high yeast biomass quantities: starting point for scaled-up applications. European Food Research and Technology, 2019, 245, 919-928.	3.3	3
13	Deproteinated Potato Wastewater as a Sustainable Nitrogen Source in Trichosporon domesticum Yeast Lipids Biosynthesisâ€”a Concept of Valorization of Wastewater from Starch Industry. Potato Research, 2019, 62, 221-237.	2.7	6
14	Simultaneous Production of Lipids and Carotenoids by the Red Yeast Rhodotorula from Waste Glycerol Fraction and Potato Wastewater. Applied Biochemistry and Biotechnology, 2019, 189, 589-607.	2.9	75
15	Candida utilis ATCC 9950 Cell Walls and Î²(1,3)/(1,6)-Glucan Preparations Produced Using Agro-Waste as a Mycotoxins Trap. Toxins, 2019, 11, 192.	3.4	20
16	Effect of selenium on growth and antioxidative system of yeast cells. Molecular Biology Reports, 2019, 46, 1797-1808.	2.3	65
17	Effect of Selenium on Lipid and Amino Acid Metabolism in Yeast Cells. Biological Trace Element Research, 2019, 187, 316-327.	3.5	59
18	Torulene and torularhodin: â€œnewâ€•fungal carotenoids for industry?. Microbial Cell Factories, 2018, 17, 49.	4.0	113

#	Article	IF	Citations
19	Application of Industrial Wastes for the Production of Microbial Single-Cell Protein by Fodder Yeast Candida utilis. Waste and Biomass Valorization, 2018, 9, 57-64.	3.4	62
20	Pollen and bee bread as new health-oriented products: A review. Trends in Food Science and Technology, 2018, 71, 170-180.	15.1	244
21	Speciation Analysis of Selenium in Candida utilis Yeast Cells Using HPLC-ICP-MS and UHPLC-ESI-Orbitrap MS Techniques. Applied Sciences (Switzerland), 2018, 8, 2050.	2.5	16
22	Equilibrium modeling of selenium binding from aqueous solutions by Candida utilis ATCC 9950 yeasts. 3 Biotech, 2018, 8, 388.	2.2	17
23	The scale-up cultivation of Candida utilis in waste potato juice water with glycerol affects biomass and Î²(1,3)/(1,6)-glucan characteristic and yield. Applied Microbiology and Biotechnology, 2018, 102, 9131-9145.	3.6	29
24	Modification of the cell wall structure of Saccharomyces cerevisiae strains during cultivation on waste potato juice water and glycerol towards biosynthesis of functional polysaccharides. Journal of Biotechnology, 2018, 281, 1-10.	3.8	31
25	Effect of initial pH of medium with potato wastewater and glycerol on protein, lipid and carotenoid biosynthesis by Rhodotorula glutinis. Electronic Journal of Biotechnology, 2017, 27, 25-31.	2.2	62
26	Utilization of a waste glycerol fraction using and reusing immobilized Gluconobacter oxydans ATCC 621 cell extract. Electronic Journal of Biotechnology, 2017, 27, 44-48.	2.2	11
27	Biotechnological use of Candida yeasts in the food industry: A review. Fungal Biology Reviews, 2017, 31, 185-198.	4.7	84
28	Evaluation of lipid biosynthesis ability by Rhodotorula and Sporobolomyces strains in medium with glycerol. European Food Research and Technology, 2017, 243, 275-286.	3.3	29
29	Binding and Conversion of Selenium in Candida utilis ATCC 9950 Yeasts in Bioreactor Culture. Molecules, 2017, 22, 352.	3.8	32
30	Application of Sodium Selenite in the Prevention and Treatment of Cancers. Cells, 2017, 6, 39.	4.1	87
31	Identification and Characterization of Oleaginous Yeast Isolated from Kefir and Its Ability to Accumulate Intracellular Fats in Deproteinated Potato Wastewater with Different Carbon Sources. BioMed Research International, 2017, 2017, 1-19.	1.9	28
32	Current Knowledge on the Importance of Selenium in Food for Living Organisms: A Review. Molecules, 2016, 21, 609.	3.8	300
33	Rhodotorula glutinisâ€"potential source of lipids, carotenoids, and enzymes for use in industries. Applied Microbiology and Biotechnology, 2016, 100, 6103-6117.	3.6	161
34	The exopolysaccharides biosynthesis by Candida yeast depends on carbon sources. Electronic Journal of Biotechnology, 2016, 22, 31-37.	2.2	46
35	Spectrophotometric evaluation of selenium binding by Saccharomyces cerevisiae ATCC MYA-2200 and Candida utilis ATCC 9950 yeast. Journal of Trace Elements in Medicine and Biology, 2016, 35, 90-96.	3.0	42
36	Effects of Selenium on Morphological Changes in Candida utilis ATCC 9950 Yeast Cells. Biological Trace Element Research, 2016, 169, 387-393.	3.5	43

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37	Biodegradation of deproteinized potato wastewater and glycerol during cultivation of Rhodotorula glutinis yeast. Electronic Journal of Biotechnology, 2015, 18, 428-432.	2.2	10
38	Influence of Selenium Content in the Culture Medium on Protein Profile of Yeast CellsCandida utilisATCC 9950. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-6.	4.0	26
39	Accumulation and metabolism of selenium by yeast cells. Applied Microbiology and Biotechnology, 2015, 99, 5373-5382.	3.6	144
40	Biosynthesis of Î²(1,3)/(1,6)-glucans of cell wall of the yeast Candida utilis ATCC 9950 strains in the culture media supplemented with deproteinated potato juice water and glycerol. European Food Research and Technology, 2015, 240, 1023-1034.	3.3	48
41	Exopolysaccharides from yeast: insight into optimal conditions for biosynthesis, chemical composition and functional properties – review. Acta Scientiarum Polonorum, Technologia Alimentaria, 2015, 14, 283-292.	0.3	37
42	Evaluation of the Efficiency of Different Disruption Methods on Yeast Cell Wall Preparation for Î²-Glucan Isolation. Molecules, 2014, 19, 20941-20961.	3.8	68
43	Effect of glycerol and dihydroxyacetone concentrations in the culture medium on the growth of acetic acid bacteria Gluconobacter oxydans ATCC 621. European Food Research and Technology, 2014, 239, 453-461.	3.3	13
44	Chemical composition of the cell wall of probiotic and brewerâ€™s yeast in response to cultivation medium with glycerol as a carbon source. European Food Research and Technology, 2013, 237, 489-499.	3.3	36
45	Selenium: Significance, and outlook for supplementation. Nutrition, 2013, 29, 713-718.	2.4	294