

Seraphim Papanikolaou

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7806965/seraphim-papanikolaou-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153
papers

10,621
citations

60
h-index

100
g-index

155
ext. papers

11,754
ext. citations

5.2
avg. IF

6.52
L-index

#	Paper	IF	Citations
153	Lipids of oleaginous yeasts. Part I: Biochemistry of single cell oil production. <i>European Journal of Lipid Science and Technology</i> , 2011 , 113, 1031-1051	3	447
152	Valorization of industrial waste and by-product streams via fermentation for the production of chemicals and biopolymers. <i>Chemical Society Reviews</i> , 2014 , 43, 2587-627	58.5	368
151	Lipid production by <i>Yarrowia lipolytica</i> growing on industrial glycerol in a single-stage continuous culture. <i>Bioresource Technology</i> , 2002 , 82, 43-9	11	357
150	Control of lipid accumulation in the yeast <i>Yarrowia lipolytica</i> . <i>Applied and Environmental Microbiology</i> , 2008 , 74, 7779-89	4.8	306
149	Biotechnological valorisation of raw glycerol discharged after bio-diesel (fatty acid methyl esters) manufacturing process: Production of 1,3-propanediol, citric acid and single cell oil. <i>Biomass and Bioenergy</i> , 2008 , 32, 60-71	5.3	306
148	Lipids of oleaginous yeasts. Part II: Technology and potential applications. <i>European Journal of Lipid Science and Technology</i> , 2011 , 113, 1052-1073	3	276
147	Evaluating renewable carbon sources as substrates for single cell oil production by <i>Cunninghamella echinulata</i> and <i>Mortierella isabellina</i> . <i>Biomass and Bioenergy</i> , 2009 , 33, 573-580	5.3	268
146	<i>Yarrowia lipolytica</i> as a potential producer of citric acid from raw glycerol. <i>Journal of Applied Microbiology</i> , 2002 , 92, 737-44	4.7	250
145	Design and techno-economic evaluation of microbial oil production as a renewable resource for biodiesel and oleochemical production. <i>Fuel</i> , 2014 , 116, 566-577	7.1	249
144	Biotechnological conversions of biodiesel derived waste glycerol by yeast and fungal species. <i>Energy</i> , 2011 , 36, 1097-1108	7.9	222
143	Single cell oil production by <i>Yarrowia lipolytica</i> growing on an industrial derivative of animal fat in batch cultures. <i>Applied Microbiology and Biotechnology</i> , 2002 , 58, 308-12	5.7	222
142	High production of 1,3-propanediol from industrial glycerol by a newly isolated <i>Clostridium butyricum</i> strain. <i>Journal of Biotechnology</i> , 2000 , 77, 191-208	3.7	190
141	Single cell oil (SCO) production by <i>Mortierella isabellina</i> grown on high-sugar content media. <i>Bioresource Technology</i> , 2004 , 95, 287-91	11	187
140	Bacterial Cellulose Production from Industrial Waste and by-Product Streams. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 14832-49	6.3	175
139	Biotechnological valorization of biodiesel derived glycerol waste through production of single cell oil and citric acid by <i>Yarrowia lipolytica</i> . <i>Lipid Technology</i> , 2009 , 21, 83-87		171
138	Kinetic profile of the cellular lipid composition in an oleaginous <i>Yarrowia lipolytica</i> capable of producing a cocoa-butter substitute from industrial fats. <i>Antonie Van Leeuwenhoek</i> , 2001 , 80, 215-24	2.1	170
137	Phenolic removal in a model olive oil mill wastewater using <i>Pleurotus ostreatus</i> in bioreactor cultures and biological evaluation of the process. <i>Water Research</i> , 2003 , 37, 3897-904	12.5	167

136	Citric acid production by <i>Yarrowia lipolytica</i> cultivated on olive-mill wastewater-based media. <i>Bioresource Technology</i> , 2008 , 99, 2419-28	11	157
135	Accumulation of a cocoa-butter-like lipid by <i>Yarrowia lipolytica</i> cultivated on agro-industrial residues. <i>Current Microbiology</i> , 2003 , 46, 124-30	2.4	149
134	Repression of reserve lipid turnover in <i>Cunninghamella echinulata</i> and <i>Mortierella isabellina</i> cultivated in multiple-limited media. <i>Journal of Applied Microbiology</i> , 2004 , 97, 867-75	4.7	144
133	<i>Yarrowia lipolytica</i> : A model microorganism used for the production of tailor-made lipids. <i>European Journal of Lipid Science and Technology</i> , 2010 , 112, 639-654	3	143
132	Lipid production by oleaginous Mucorales cultivated on renewable carbon sources. <i>European Journal of Lipid Science and Technology</i> , 2007 , 109, 1060-1070	3	131
131	Production of 1,3-propanediol by <i>Clostridium butyricum</i> growing on biodiesel-derived crude glycerol through a non-sterilized fermentation process. <i>Applied Microbiology and Biotechnology</i> , 2011 , 91, 101-12	5.7	128
130	Effect of impurities in biodiesel-derived waste glycerol on the performance and feasibility of biotechnological processes. <i>Applied Microbiology and Biotechnology</i> , 2012 , 95, 13-27	5.7	124
129	Biotechnological conversions of bio-diesel-derived crude glycerol by <i>Yarrowia lipolytica</i> strains. <i>Engineering in Life Sciences</i> , 2009 , 9, 468-478	3.4	124
128	Current and future trends in food waste valorization for the production of chemicals, materials and fuels: a global perspective. <i>Biofuels, Bioproducts and Biorefining</i> , 2014 , 8, 686-715	5.3	122
127	Biosynthesis of lipids and organic acids by <i>Yarrowia lipolytica</i> strains cultivated on glucose. <i>European Journal of Lipid Science and Technology</i> , 2009 , 111, 1221-1232	3	122
126	Compositional shifts in lipid fractions during lipid turnover in <i>Cunninghamella echinulata</i> . <i>Enzyme and Microbial Technology</i> , 2007 , 40, 1321-1327	3.8	121
125	Influence of glucose and saturated free-fatty acid mixtures on citric acid and lipid production by <i>Yarrowia lipolytica</i> . <i>Current Microbiology</i> , 2006 , 52, 134-42	2.4	121
124	Modeling lipid accumulation and degradation in <i>Yarrowia lipolytica</i> cultivated on industrial fats. <i>Current Microbiology</i> , 2003 , 46, 398-402	2.4	118
123	Biotechnological conversions of bio-diesel derived waste glycerol into added-value compounds by higher fungi: production of biomass, single cell oil and oxalic acid. <i>Industrial Crops and Products</i> , 2010 , 31, 407-416	5.9	115
122	Lipid production by yeasts growing on biodiesel-derived crude glycerol: strain selection and impact of substrate concentration on the fermentation efficiency. <i>Journal of Applied Microbiology</i> , 2015 , 118, 911-27	4.7	109
121	Industrial derivative of tallow: a promising renewable substrate for microbial lipid, single-cell protein and lipase production by <i>Yarrowia lipolytica</i> . <i>Electronic Journal of Biotechnology</i> , 2007 , 10, 0-0	3.1	104
120	Critical steps in carbon metabolism affecting lipid accumulation and their regulation in oleaginous microorganisms. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 2509-2523	5.7	103
119	Organic nitrogen of tomato waste hydrolysate enhances glucose uptake and lipid accumulation in <i>Cunninghamella echinulata</i> . <i>Journal of Applied Microbiology</i> , 2008 , 105, 1062-70	4.7	100

118	Production of 1,3-propanediol, 2,3-butanediol and ethanol by a newly isolated <i>Klebsiella oxytoca</i> strain growing on biodiesel-derived glycerol based media. <i>Process Biochemistry</i> , 2012 , 47, 1872-1882	4.8	96
117	Biotechnological production of ethanol: Biochemistry, processes and technologies. <i>Engineering in Life Sciences</i> , 2016 , 16, 307-329	3.4	95
116	Lipids from yeasts and fungi: physiology, production and analytical considerations. <i>Journal of Applied Microbiology</i> , 2018 , 124, 336-367	4.7	92
115	Commercial sugars as substrates for lipid accumulation in <i>Cunninghamella echinulata</i> and <i>Mortierella isabellina</i> fungi. <i>European Journal of Lipid Science and Technology</i> , 2010 , 112, 1048-1057	3	91
114	Biotechnological conversion of waste cooking olive oil into lipid-rich biomass using <i>Aspergillus</i> and <i>Penicillium</i> strains. <i>Journal of Applied Microbiology</i> , 2011 , 110, 1138-50	4.7	89
113	Effect of biodiesel-derived waste glycerol impurities on biomass and 1,3-propanediol production of <i>Clostridium butyricum</i> VPI 1718. <i>Biotechnology and Bioengineering</i> , 2010 , 107, 76-84	4.9	88
112	Cheese whey as a renewable substrate for microbial lipid and biomass production by Zygomycetes. <i>Engineering in Life Sciences</i> , 2010 , 10, 348-360	3.4	85
111	Enhanced 1,3-propanediol production by a newly isolated <i>Citrobacter freundii</i> strain cultivated on biodiesel-derived waste glycerol through sterile and non-sterile bioprocesses. <i>Journal of Biotechnology</i> , 2013 , 163, 408-18	3.7	81
110	The effect of raw glycerol concentration on the production of 1,3-propanediol by <i>Clostridium butyricum</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2004 , 79, 1189-1196	3.5	80
109	Lipids of <i>Cunninghamella echinulata</i> with emphasis to gamma-linolenic acid distribution among lipid classes. <i>Applied Microbiology and Biotechnology</i> , 2006 , 73, 676-83	5.7	78
108	Selective uptake of fatty acids by the yeast <i>Yarrowia lipolytica</i> . <i>European Journal of Lipid Science and Technology</i> , 2003 , 105, 651-655	3	78
107	Formulation of fermentation media from flour-rich waste streams for microbial lipid production by <i>Lipomyces starkeyi</i> . <i>Journal of Biotechnology</i> , 2014 , 189, 36-45	3.7	76
106	Techno-economic evaluation of a complete bioprocess for 2,3-butanediol production from renewable resources. <i>Bioresource Technology</i> , 2016 , 204, 55-64	11	73
105	Citric acid, biomass and cellular lipid production by <i>Yarrowia lipolytica</i> strains cultivated on olive mill wastewater-based media. <i>Journal of Chemical Technology and Biotechnology</i> , 2011 , 86, 1439-1448	3.5	73
104	Modelling aspects of the biotechnological valorization of raw glycerol: production of citric acid by <i>Yarrowia lipolytica</i> and 1,3-propanediol by <i>Clostridium butyricum</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2003 , 78, 542-547	3.5	73
103	Bioconversion of olive mill wastewater into high-added value products. <i>Journal of Cleaner Production</i> , 2016 , 139, 957-969	10.3	73
102	Screening of bacterial strains capable of converting biodiesel-derived raw glycerol into 1,3-propanediol, 2,3-butanediol and ethanol. <i>Engineering in Life Sciences</i> , 2012 , 12, 57-68	3.4	72
101	Morphological and metabolic shifts of <i>Yarrowia lipolytica</i> induced by alteration of the dissolved oxygen concentration in the growth environment. <i>Microbiology (United Kingdom)</i> , 2014 , 160, 807-817	2.9	71

100	Importance of the methyl-citrate cycle on glycerol metabolism in the yeast <i>Yarrowia lipolytica</i> . <i>Journal of Biotechnology</i> , 2013 , 168, 303-314	3.7	71
99	Gamma-linolenic acid production by <i>Cunninghamella echinulata</i> growing on complex organic nitrogen sources. <i>Bioresource Technology</i> , 2008 , 99, 5986-90	11	71
98	Conversion of biodiesel-derived glycerol into biotechnological products of industrial significance by yeast and fungal strains. <i>Engineering in Life Sciences</i> , 2017 , 17, 262-281	3.4	66
97	Production of oils and fats by oleaginous microorganisms with an emphasis given to the potential of the nonconventional yeast <i>Yarrowia lipolytica</i> . <i>Critical Reviews in Biotechnology</i> , 2018 , 38, 1230-1243	9.4	64
96	Substrates and oxygen dependent citric acid production by <i>Yarrowia lipolytica</i> : insights through transcriptome and fluxome analyses. <i>Microbial Cell Factories</i> , 2017 , 16, 78	6.4	62
95	Biorefining of by-product streams from sunflower-based biodiesel production plants for integrated synthesis of microbial oil and value-added co-products. <i>Bioresource Technology</i> , 2015 , 190, 57-65	11	62
94	Wine lees valorization: Biorefinery development including production of a generic fermentation feedstock employed for poly(3-hydroxybutyrate) synthesis. <i>Food Research International</i> , 2015 , 73, 81-87	7	62
93	Orange processing waste valorisation for the production of bio-based pigments using the fungal strains <i>Monascus purpureus</i> and <i>Penicillium purpurogenum</i> . <i>Journal of Cleaner Production</i> , 2018 , 185, 882-890	10.3	60
92	Utilisation of By-Products from Sunflower-Based Biodiesel Production Processes for the Production of Fermentation Feedstock. <i>Waste and Biomass Valorization</i> , 2013 , 4, 529-537	3.2	57
91	Suitability of Low-Cost Sugars as Substrates for Lipid Production by the Fungus <i>Thamnidium elegans</i> . <i>Energy & Fuels</i> , 2010 , 24, 4078-4086	4.1	55
90	Production of secondary metabolites through glycerol fermentation under carbon-excess conditions by the yeasts <i>Yarrowia lipolytica</i> and <i>Rhodospiridium toruloides</i> . <i>European Journal of Lipid Science and Technology</i> , 2017 , 119, 1600507	3	54
89	Oleaginous yeast <i>Cryptococcus curvatus</i> exhibits interplay between biosynthesis of intracellular sugars and lipids. <i>European Journal of Lipid Science and Technology</i> , 2015 , 117, 657-672	3	53
88	Production of added-value metabolites by growing in olive mill wastewater-based media under aseptic and non-aseptic conditions. <i>Engineering in Life Sciences</i> , 2017 , 17, 695-709	3.4	51
87	Evaluating glucose and xylose as cosubstrates for lipid accumulation and linolenic acid biosynthesis of <i>Thamnidium elegans</i> . <i>Journal of Applied Microbiology</i> , 2013 , 114, 1020-32	4.7	51
86	The olive mill wastewater as substrate for single cell oil production by Zygomycetes. <i>Journal of Biotechnology</i> , 2014 , 170, 50-9	3.7	50
85	Lipid synthesized by micro-algae grown in laboratory- and industrial-scale bioreactors. <i>Engineering in Life Sciences</i> , 2011 , 11, 52-58	3.4	50
84	Storage lipid and polysaccharide metabolism in <i>Yarrowia lipolytica</i> and <i>Umbelopsis isabellina</i> . <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 7213-7226	5.7	49
83	Sunflower-based biorefinery: poly(3-hydroxybutyrate) and poly(3-hydroxybutyrate-co-3-hydroxyvalerate) production from crude glycerol, sunflower meal and levulinic acid. <i>Bioresource Technology</i> , 2014 , 172, 121-130	11	47

82	cultivated in NaCl-enriched glucose-based media: Adaptation dynamics and lipid production. <i>Engineering in Life Sciences</i> , 2017 , 17, 237-248	3-4	46
81	Aerated vs non-aerated conversions of molasses and olive mill wastewaters blends into bioethanol by <i>Saccharomyces cerevisiae</i> under non-aseptic conditions. <i>Industrial Crops and Products</i> , 2014 , 56, 83-93 ^{5,9}		44
80	Conversions of olive mill wastewater-based media by <i>Saccharomyces cerevisiae</i> through sterile and non-sterile bioprocesses. <i>Journal of Chemical Technology and Biotechnology</i> , 2013 , 88, 958-969	3-5	44
79	Bioprocess development for biolubricant production using microbial oil derived via fermentation from confectionery industry wastes. <i>Bioresource Technology</i> , 2018 , 267, 311-318	11	43
78	Production of wax esters via microbial oil synthesis from food industry waste and by-product streams. <i>Bioresource Technology</i> , 2017 , 245, 274-282	11	41
77	Biorefinery development through utilization of biodiesel industry by-products as sole fermentation feedstock for 1,3-propanediol production. <i>Bioresource Technology</i> , 2014 , 159, 167-75	11	40
76	Biomass, laccase and endoglucanase production by <i>Lentinula edodes</i> during solid state fermentation of reed grass, bean stalks and wheat straw residues. <i>World Journal of Microbiology and Biotechnology</i> , 2011 , 27, 285-297	4-4	39
75	Sources of microbial oils with emphasis to <i>Mortierella (Umbelopsis) isabellina</i> fungus. <i>World Journal of Microbiology and Biotechnology</i> , 2019 , 35, 63	4-4	37
74	A mathematical model for the study of lipid accumulation in oleaginous microorganisms. I. Lipid accumulation during growth of <i>Mucor circinelloides</i> CBS 172-27 on a vegetable oil. <i>Grasas Y Aceites</i> , 1995 , 46, 169-1873	1-3	37
73	Production of Added-Value Chemical Compounds through Bioconversions of Olive-Mill Wastewaters Blended with Crude Glycerol by a Strain. <i>Molecules</i> , 2019 , 24,	4-8	37
72	Impact of anaerobiosis strategy and bioreactor geometry on the biochemical response of <i>Clostridium butyricum</i> VPI 1718 during 1,3-propanediol fermentation. <i>Bioresource Technology</i> , 2011 , 102, 10625-32	11	36
71	Techno-economic evaluation of wine lees refining for the production of value-added products. <i>Biochemical Engineering Journal</i> , 2016 , 116, 157-165	4-2	36
70	Integrated sunflower-based biorefinery for the production of antioxidants, protein isolate and poly(3-hydroxybutyrate). <i>Industrial Crops and Products</i> , 2015 , 71, 106-113	5-9	35
69	Lipid production and characterization by <i>Mortierella (Umbelopsis) isabellina</i> cultivated on lignocellulosic sugars. <i>Journal of Applied Microbiology</i> , 2017 , 123, 1461-1477	4-7	35
68	Fumaric acid production using renewable resources from biodiesel and cane sugar production processes. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 35960-35970	5-1	33
67	Microbial oil production from various carbon sources by newly isolated oleaginous yeasts. <i>Engineering in Life Sciences</i> , 2017 , 17, 333-344	3-4	33
66	Patterns of major metabolites biosynthesis by different mushroom fungi grown on glucose-based submerged cultures. <i>Bioprocess and Biosystems Engineering</i> , 2014 , 37, 1385-400	3-7	33
65	Refining of wine lees and cheese whey for the production of microbial oil, polyphenol-rich extracts and value-added co-products. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 257-268	3-5	32

64	Biomodification of fats and oils and scenarios of adding value on renewable fatty materials through microbial fermentations: Modelling and trials with <i>Yarrowia lipolytica</i> . <i>Journal of Cleaner Production</i> , 2018 , 200, 1111-1129	10.3	31
63	Effect of Citrus essential oil addition upon growth and cellular lipids of <i>Yarrowia lipolytica</i> yeast. <i>European Journal of Lipid Science and Technology</i> , 2008 , 110, 997-1006	3	31
62	Downstream separation of poly(hydroxyalkanoates) using crude enzyme consortia produced via solid state fermentation integrated in a biorefinery concept. <i>Food and Bioproducts Processing</i> , 2016 , 100, 323-334	4.9	30
61	Isolation, identification and screening of yeasts towards their ability to assimilate biodiesel-derived crude glycerol: microbial production of polyols, endopolysaccharides and lipid. <i>Journal of Applied Microbiology</i> , 2019 , 127, 1080-1100	4.7	30
60	Mushroom polysaccharides and lipids synthesized in liquid agitated and static cultures. Part II: study of <i>Volvariella volvacea</i> . <i>Applied Biochemistry and Biotechnology</i> , 2012 , 167, 1890-906	3.2	30
59	Enhanced ethanol production, volatile compound biosynthesis and fungicide removal during growth of a newly isolated <i>Saccharomyces cerevisiae</i> strain on enriched pasteurized grape musts. <i>Engineering in Life Sciences</i> , 2009 , 9, 29-37	3.4	29
58	Valorisation of side streams from wheat milling and confectionery industries for consolidated production and extraction of microbial lipids. <i>Food Chemistry</i> , 2016 , 198, 85-92	8.5	28
57	Extraction of phenolic compounds and succinic acid production from spent sulphite liquor. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 2751-2760	3.5	26
56	Succinic acid production by immobilized cultures using spent sulphite liquor as fermentation medium. <i>Bioresource Technology</i> , 2017 , 238, 214-222	11	25
55	Effect of <i>Origanum vulgare</i> L. Essential Oil on Growth and Lipid Profile of <i>Yarrowia lipolytica</i> Cultivated on Glycerol-Based Media. <i>JAOCs, Journal of the American Oil Chemists Society</i> , 2011 , 88, 1955-1964	18	25
54	Pretreatment of spent sulphite liquor via ultrafiltration and nanofiltration for bio-based succinic acid production. <i>Journal of Biotechnology</i> , 2016 , 233, 95-105	3.7	25
53	Evaluation of an integrated biorefinery based on fractionation of spent sulphite liquor for the production of an antioxidant-rich extract, liginosulphonates and succinic acid. <i>Bioresource Technology</i> , 2016 , 214, 504-513	11	25
52	Production of added-value microbial metabolites during growth of yeast strains on media composed of biodiesel-derived crude glycerol and glycerol/xylose blends. <i>FEMS Microbiology Letters</i> , 2020 , 367,	2.9	23
51	Mushroom polysaccharides and lipids synthesized in liquid agitated and static cultures. Part I: screening various mushroom species. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 167, 536-51	3.2	22
50	Valorisation of sugarcane molasses for the production of microbial lipids via fermentation of two <i>Rhodospiridium</i> strains for enzymatic synthesis of polyol esters. <i>Journal of Chemical Technology and Biotechnology</i> , 2020 , 95, 402-407	3.5	22
49	Screening various <i>Yarrowia lipolytica</i> strains for citric acid production. <i>Yeast</i> , 2019 , 36, 319-327	3.4	21
48	Valorisation of fruit and vegetable waste from open markets for the production of 2,3-butanediol. <i>Food and Bioproducts Processing</i> , 2018 , 108, 27-36	4.9	20
47	Waste fat biodegradation and biomodification by and a bacterial consortium composed of spp. and. <i>Engineering in Life Sciences</i> , 2018 , 18, 932-942	3.4	20

46	Biotechnological Production of Fumaric Acid: The Effect of Morphology of <i>Rhizopus arrhizus</i> NRRL 2582. <i>Fermentation</i> , 2017 , 3, 33	4.7	20
45	A mathematical model for the study of lipid accumulation in oleaginous microorganisms. II. Study of cellular lipids of <i>Mucor circinelloides</i> during growth on a vegetable oil. <i>Grasas Y Aceites</i> , 1995 , 46, 245-250 ¹³	1.3	20
44	Valorization of By-Products from Palm Oil Mills for the Production of Generic Fermentation Media for Microbial Oil Synthesis. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 181, 1241-1256	3.2	19
43	Development of a Circular Oriented Bioprocess for Microbial Oil Production Using Diversified Mixed Confectionery Side-Streams. <i>Foods</i> , 2019 , 8,	4.9	18
42	Importance of the methyl-citrate cycle on glycerol metabolism in the yeast <i>Yarrowia lipolytica</i> . <i>Journal of Biotechnology</i> , 2013 , 168, 303-14	3.7	18
41	Effect of Salt Addition upon the Production of Metabolic Compounds by <i>Yarrowia lipolytica</i> Cultivated on Biodiesel-Derived Glycerol Diluted with Olive-Mill Wastewaters. <i>Energies</i> , 2019 , 12, 3649	3.1	16
40	Upgrading Grape Pomace through spp. Cultivation for the Production of Enzymes and Fruiting Bodies. <i>Microorganisms</i> , 2019 , 7,	4.9	16
39	Fatty acid lithium salts from <i>Cunninghamella echinulata</i> have cytotoxic and genotoxic effects on HL-60 human leukemia cells. <i>Engineering in Life Sciences</i> , 2015 , 15, 243-253	3.4	16
38	Adaptation of <i>Volvariella volvacea</i> metabolism in high carbon to nitrogen ratio media. <i>Food Chemistry</i> , 2016 , 196, 272-80	8.5	15
37	Optimisation of 2,3-butanediol production by <i>Enterobacter ludwigii</i> using sugarcane molasses. <i>Biochemical Engineering Journal</i> , 2019 , 152, 107370	4.2	14
36	Evaluation of 1,3-propanediol production by two <i>Citrobacter freundii</i> strains using crude glycerol and soybean cake hydrolysate. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 35523-35532	5.1	14
35	Valorization of Crude Glycerol, Residue Deriving from Biodiesel- Production Process, with the Use of Wild-type New Isolated <i>Yarrowia lipolytica</i> Strains: Production of Metabolites with Pharmaceutical and Biotechnological Interest. <i>Current Pharmaceutical Biotechnology</i> , 2019 , 20, 881-894	2.6	13
34	Lipid Production by Yeasts Growing on Commercial Xylose in Submerged Cultures with Process Water Being Partially Replaced by Olive Mill Wastewaters. <i>Processes</i> , 2020 , 8, 819	2.9	13
33	Adaptation dynamics of <i>Clostridium butyricum</i> in high 1,3-propanediol content media. <i>Applied Microbiology and Biotechnology</i> , 2012 , 95, 1541-52	5.7	12
32	Characterization of olive fruit microflora and its effect on olive oil volatile compounds biogenesis. <i>European Journal of Lipid Science and Technology</i> , 2010 , 112, 1024-1032	3	12
31	Survival and acid resistance of <i>Listeria innocua</i> in Feta cheese and yogurt, in the presence or absence of fungi. <i>Journal of Food Protection</i> , 2008 , 71, 742-9	2.5	12
30	Adaptive laboratory evolution principles and applications in industrial biotechnology. <i>Biotechnology Advances</i> , 2021 , 54, 107795	17.8	12
29	Biotechnological valorization of biodiesel-derived glycerol: Trials with the non-conventional yeasts <i>Yarrowia lipolytica</i> and <i>Rhodospiridium</i> sp. <i>Carbon Resources Conversion</i> , 2021 , 4, 61-75	4.7	12

28	Physiological Characterization of a Novel Wild-Type <i>Yarrowia lipolytica</i> Strain Grown on Glycerol: Effects of Cultivation Conditions and Mode on Polyols and Citric Acid Production. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7373	2.6	11
27	Production of Fermentation Feedstock from Jerusalem Artichoke Tubers and its Potential for Polyhydroxybutyrate Synthesis. <i>Waste and Biomass Valorization</i> , 2013 , 4, 359-370	3.2	11
26	Lipids by Strains Cultivated on Glucose in Batch Cultures. <i>Microorganisms</i> , 2020 , 8,	4.9	10
25	Effect of Myclobutanil Pesticide on the Physiological Behavior of Two Newly Isolated Strains during Very-High-Gravity Alcoholic Fermentation. <i>Microorganisms</i> , 2019 , 7,	4.9	9
24	Biotechnological valorization of low-cost sugar-based media for bacteriocin production by <i>Leuconostoc mesenteroides</i> E131. <i>New Biotechnology</i> , 2011 , 28, 600-9	6.4	8
23	Biodiesel production from microbial oil 2011 , 177-198		8
22	Lipid production by <i>Cryptococcus curvatus</i> growing on commercial xylose and subsequent valorization of fermentation waste-waters for the production of edible and medicinal mushrooms. <i>Biochemical Engineering Journal</i> , 2020 , 162, 107706	4.2	8
21	Degradation of Fat by a Bioaugmentation Product Comprising of <i>Bacillus</i> spp. Before and After the Addition of a <i>Pseudomonas</i> sp. <i>European Journal of Lipid Science and Technology</i> , 2018 , 120, 1700264	3	8
20	Enhanced fat degradation following the addition of a <i>Pseudomonas</i> species to a bioaugmentation product used in grease traps. <i>Journal of Environmental Sciences</i> , 2019 , 77, 174-188	6.4	7
19	Susceptibility to peroxidation of the major mycelial lipids of <i>Cunninghamella echinulata</i> . <i>European Journal of Lipid Science and Technology</i> , 2008 , 110, 1062-1067	3	7
18	Effect of <i>Inhibitor</i> -produced bacteriocin thermophilin T on the microbiological and physicochemical characteristics of Myzithra whey cheese. <i>International Journal of Dairy Technology</i> , 2018 , 71, 213-222	3.7	6
17	Citric Acid Production by <i>Yarrowia lipolytica</i> 2019 , 91-117		6
16	Production of fuels from microbial oil using oleaginous microorganisms 2016 , 201-236		6
15	A newly isolated <i>Enterobacter</i> sp. strain produces 2,3-butanediol during its cultivation on low-cost carbohydrate-based substrates. <i>FEMS Microbiology Letters</i> , 2019 , 366,	2.9	6
14	Data on cellular lipids of grown on fatty substrates. <i>Data in Brief</i> , 2018 , 21, 1037-1044	1.2	6
13	Bioprocess development for (2R,3R)-butanediol and acetoin production using very high polarity cane sugar and sugarcane molasses by a <i>Bacillus amyloliquefaciens</i> strain. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 2167	3.5	4
12	Enzymatic production of isopropyl and 2-ethylhexyl esters using ω -linolenic acid rich fungal oil produced from spent sulphite liquor. <i>Biochemical Engineering Journal</i> , 2021 , 169, 107956	4.2	3
11	Bioprocess Development for 2,3-Butanediol Production from Crude Glycerol and Conceptual Process Design for Aqueous Conversion into Methyl Ethyl Ketone. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 8692-8705	8.3	3

10	Impact of olive mill wastewaters on the physiological behavior of a wild-type new <i>Ganoderma resinaceum</i> isolate. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 20570-20585	5.1	3
9	Effect of Yeast Assimilable Nitrogen Content on Fermentation Kinetics, Wine Chemical Composition and Sensory Character in the Production of Assyrtiko Wines. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1405	2.6	2
8	Detoxification of Molasses and Production of Mycelial Mass and Valuable Metabolites by <i>Morchella</i> Species. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9481	2.6	1
7	Assessing the Biofilm Formation Capacity of the Wine Spoilage Yeast through FTIR Spectroscopy. <i>Microorganisms</i> , 2021 , 9,	4.9	1
6	Sustainable and Eco-Friendly Conversions of Olive Mill Wastewater-Based Media by <i>Pleurotus pulmonarius</i> Cultures. <i>Fermentation</i> , 2022 , 8, 129	4.7	1
5	Sustainable arabitol production by a newly isolated <i>Debaryomyces prosopidis</i> strain cultivated on biodiesel-derived glycerol. <i>Carbon Resources Conversion</i> , 2022 , 5, 92-99	4.7	1
4	Trials of Commercial- and Wild-Type <i>Saccharomyces cerevisiae</i> Strains under Aerobic and Microaerophilic/Anaerobic Conditions: Ethanol Production and Must Fermentation from Grapes of Santorini (Greece) Native Varieties. <i>Fermentation</i> , 2022 , 8, 249	4.7	1
3	Lipid and Poly-Unsaturated Fatty Acid Production by Oleaginous Microorganisms Cultivated on Hydrophobic Substrates 2020 , 115-144		0
2	Bioconversions of Biodiesel-Derived Glycerol into Sugar Alcohols by Newly Isolated Wild-Type <i>Yarrowia lipolytica</i> Strains. <i>Reactions</i> , 2021 , 2, 499-513	1.5	0
1	A study of the suitability of three commercial bioaugmentation products for use in grease traps. <i>Biomass Conversion and Biorefinery</i> , 2021 , 11, 907-924	2.3	0