

Masami Nakazawa

List of Publications by Year in descending order

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papers

328
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687363

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#	ARTICLE	IF	CITATIONS
1	Alteration of Wax Ester Content and Composition in <i>Euglena gracilis</i> with Gene Silencing of 3-oxoacyl-CoA Thiolase Isozymes. <i>Lipids</i> , 2015, 50, 483-492.	1.7	32
2	Determination of chemical structure of pea pectin by using pectinolytic enzymes. <i>Carbohydrate Polymers</i> , 2020, 231, 115738.	10.2	27
3	The origin of pyruvate:NADP+ oxidoreductase in mitochondria of <i>Euglena gracilis</i> . <i>FEBS Letters</i> , 2000, 479, 155-156.	2.8	24
4	A novel β -galactosidase from <i>Fusarium oxysporum</i> and its application in determining the structure of the gum arabic side chain. <i>Enzyme and Microbial Technology</i> , 2017, 103, 25-33.	3.2	22
5	Molecular characterization of a bifunctional glyoxylate cycle enzyme, malate synthase/isocitrate lyase, in <i>Euglena gracilis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 141, 445-452.	1.6	20
6	Identification of a novel <i>Penicillium chrysogenum</i> rhamnogalacturonan rhamnohydrolase and the first report of a rhamnogalacturonan rhamnohydrolase gene. <i>Enzyme and Microbial Technology</i> , 2017, 98, 76-85.	3.2	20
7	Physiological functions of pyruvate:NADP+ oxidoreductase and 2-oxoglutarate decarboxylase in <i>Euglena gracilis</i> under aerobic and anaerobic conditions. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1386-1393.	1.3	17
8	Crystal structure of exo-rhamnogalacturonan lyase from <i>Penicillium chrysogenum</i> as a member of polysaccharide lyase family 26. <i>FEBS Letters</i> , 2018, 592, 1378-1388.	2.8	16
9	Anaerobic respiration coupled with mitochondrial fatty acid synthesis in wax ester fermentation by <i>Euglena gracilis</i> . <i>FEBS Letters</i> , 2018, 592, 4020-4027.	2.8	16
10	Characterization of a Bifunctional Glyoxylate Cycle Enzyme, Malate Synthase/Isocitrate Lyase, of <i>Euglena gracilis</i> . <i>Journal of Eukaryotic Microbiology</i> , 2011, 58, 128-133.	1.7	15
11	Identification and characterization of three <i>Penicillium chrysogenum</i> β -l-arabinofuranosidases (PcABF43B, PcABF51C, and AFQ1) with different specificities toward arabino-oligosaccharides. <i>Enzyme and Microbial Technology</i> , 2015, 73-74, 65-71.	3.2	14
12	Molecular characterization of a <i>Penicillium chrysogenum</i> exo-rhamnogalacturonan lyase that is structurally distinct from other polysaccharide lyase family proteins. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 8515-8525.	3.6	14
13	Characterization of three GH35 β -galactosidases, enzymes able to shave galactosyl residues linked to rhamnogalacturonan in pectin, from <i>Penicillium chrysogenum</i> 31B. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1135-1148.	3.6	13
14	Production and Purification of Monoclonal Antibodies. <i>Methods in Molecular Biology</i> , 2010, 657, 75-91.	0.9	10
15	Taming chlorophylls by early eukaryotes underpinned algal interactions and the diversification of the eukaryotes on the oxygenated Earth. <i>ISME Journal</i> , 2019, 13, 1899-1910.	9.8	10
16	Pyruvate:NADP+ oxidoreductase is stabilized by its cofactor, thiamin pyrophosphate, in mitochondria of <i>Euglena gracilis</i> . <i>Archives of Biochemistry and Biophysics</i> , 2003, 411, 183-188.	3.0	9
17	Critical Involvement of Environmental Carbon Dioxide Fixation to Drive Wax Ester Fermentation in <i>Euglena</i> . <i>PLoS ONE</i> , 2016, 11, e0162827.	2.5	8
18	C2 metabolism in <i>Euglena</i> . <i>Advances in Experimental Medicine and Biology</i> , 2017, 979, 39-45.	1.6	8

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19	Production and Purification of Polyclonal Antibodies. <i>Methods in Molecular Biology</i> , 2016, 1474, 49-59.	0.9	7
20	Naringin lauroyl ester inhibits lipopolysaccharide-induced activation of nuclear factor κ B signaling in macrophages. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1403-1409.	1.3	7
21	Occurrence of a novel NADP ⁺ -linked alcohol dehydrogenase in <i>Euglena gracilis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002, 132, 535-540.	1.6	5
22	Homogalacturonan and xylogalacturonan region specificity of self-cloning vector-expressed pectin methylesterases (AoPME1 ^{Δ3}) in <i>Aspergillus oryzae</i> . <i>Enzyme and Microbial Technology</i> , 2021, 150, 109894.	3.2	5
23	NADPH \rightarrow NADH conversion by mitochondrial transhydrogenase is indispensable for sustaining anaerobic metabolism in <i>Euglena gracilis</i> . <i>FEBS Letters</i> , 2021, , .	2.8	5
24	Production and Purification of Polyclonal Antibodies. <i>Methods in Molecular Biology</i> , 2010, 657, 63-74.	0.9	4