Yoshinori Murata

List of Publications by Year
in descending order

32	983	516710 16	434195 31
papers	citations	h-index	g-index

32	32	32	1161
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Production of ethanol from cassava pulp via fermentation with a surface-engineered yeast strain displaying glucoamylase. Renewable Energy, 2009, 34, 1354-1358.	8.9	110
2	Response of Saccharomyces cerevisiae to a monoterpene: evaluation of antifungal potential by DNA microarray analysis. Journal of Antimicrobial Chemotherapy, 2004, 54, 46-55.	3.0	95
3	Ethanol and lactic acid production using sap squeezed from old oil palm trunks felled for replanting. Journal of Bioscience and Bioengineering, 2010, 110, 322-325.	2.2	95
4	Genome-wide expression analysis of yeast response during exposure to 4Â°C. Extremophiles, 2006, 10, 117-128.	2.3	88
5	Dimethyl Sulfoxide Exposure Facilitates Phospholipid Biosynthesis and Cellular Membrane Proliferation in Yeast Cells. Journal of Biological Chemistry, 2003, 278, 33185-33193.	3.4	72
6	Identification and classification of genes required for tolerance to freezeÃ¢Â€Â“thaw stress revealed by genome-wide screening ofSaccharomyces cerevisiaedeletion strains. FEMS Yeast Research, 2007, 7, 244-253.	2.3	62
7	Identification and classification of genes required for tolerance to high-sucrose stress revealed by genome-wide screening of Saccharomyces cerevisiae. FEMS Yeast Research, 2006, 6, 249-267.	2.3	55
8	Direct ethanol production from cassava pulp using a surface-engineered yeast strain co-displaying two amylases, two cellulases, and Î²-glucosidase. Applied Microbiology and Biotechnology, 2011, 90, 377-384.	3.6	53
9	Purification and characterization of a multienzyme complex produced by Paenibacillus curdlanolyticus B-6. Applied Microbiology and Biotechnology, 2010, 85, 573-580.	3.6	35
10	Isolation and characterization of a new cellulosome-producing Clostridium thermocellum strain. Biodegradation, 2012, 23, 57-68.	3.0	32
11	A new approach to species determination for yeast strains: DNA microarray-based comparative genomic hybridization using a yeast DNA microarray with 6000 genes. Yeast, 2004, 21, 351-365.	1.7	27
12	Potential of Oil Palm Trunk Sap as a Novel Inexpensive Renewable Carbon Feedstock for Polyhydroxyalkanoate Biosynthesis and as a Bacterial Growth Medium. Clean - Soil, Air, Water, 2012, 40, 310-317.	1.1	26
13	Efficient ethanol production from separated parenchyma and vascular bundle of oil palm trunk. Bioresource Technology, 2012, 125, 37-42.	9.6	25
14	Functional genomics of commercial baker's yeasts that have different abilities for sugar utilization and highâ€sucrose tolerance under different sugar conditions. Yeast, 2007, 24, 901-911.	1.7	19
15	Changes in Gene Expression of Commercial Baker's Yeast during an Air-Drying Process that Simulates Dried Yeast Production. Journal of Bioscience and Bioengineering, 2008, 106, 405-408.	2.2	18
16	Development of sap compressing systems from oil palm trunk. Biomass and Bioenergy, 2013, 51, 8-16.	5.7	17
17	Estimation of the Ratio of Vascular Bundles to Parenchyma Tissue in Oil Palm Trunks using NIR Spectroscopy. BioResources, 2013, 8, .	1.0	16
18	Bioethanol production under multiple stress condition by a new acid and temperature tolerant Saccharomyces cerevisiae strain LC 269108 isolated from rotten fruits. Process Biochemistry, 2018, 67, 105-112.	3.7	16

#	Article	IF	Citations
19	Ethanol production at high temperature from cassava pulp by a newly isolated Kluyveromyces marxianus strain, TISTR 5925. AIMS Energy, 2013, 1, 3-16.	1.9	16
20	Overexpression of two transcriptional factors, Kin28 and Pog1, suppresses the stress sensitivity caused by the<i>rsp5</i>mutation in<i>Saccharomyces cerevisiae</i>. FEMS Microbiology Letters, 2007, 277, 70-78.	1.8	13
21	Growth Inhibition of Thermotolerant Yeast, Kluyveromyces marxianus, in Hydrolysates from Cassava Pulp. Applied Biochemistry and Biotechnology, 2014, 173, 1197-1208.	2.9	13
22	Evaluation of Enzymatic Deinking of Non-impact Ink Laser-Printed Paper Using Crude Enzyme from Penicillium rolfsii c3-2(1) IBRL. Applied Biochemistry and Biotechnology, 2017, 181, 451-463.	2.9	12
23	Ethanol fermentation by the thermotolerant yeast, Kluyveromyces marxianus TISTR5925, of extracted sap from old oil palm trunk. AIMS Energy, 2015, 3, 201-213.	1.9	12
24	Genome-Wide Expression Changes in Saccharomyces cerevisiae in Response to High-LET Ionizing Radiation. Applied Biochemistry and Biotechnology, 2010, 162, 855-870.	2.9	11
25	Potentials of multi-stress tolerant yeasts, Saccharomyces cerevisiae and Pichia kudriavzevii for fuel ethanol production from industrial cassava wastes. Process Biochemistry, 2021, 111, 305-314.	3.7	10
26	Cluster analysis and display of genome-wide expression profiles in dimethyl sulfoxide treatment. Chem-Bio Informatics Journal, 2002, 2, 18-31.	0.3	9
27	Detection of vascular bundles using cell wall birefringence on exposure to polarized light. Industrial Crops and Products, 2015, 65, 190-197.	5.2	8
28	Chemical characterization from parenchyma and vascular bundle at different parts of oil palm trunk. AIP Conference Proceedings, 2019, , .	0.4	7
29	A new pretreatment using ammonia gas absorption fiber expansion for saccharification of cassava pulp. Biomass Conversion and Biorefinery, 2016, 6, 181-188.	4.6	4
30	Characterization of oil-palm trunk residue degradation enzymes derived from the isolated fungus,Penicillium rolfsiic3-2(1) IBRL. Environmental Technology (United Kingdom), 2016, 37, 1550-1558.	2.2	4
31	Analysis of Free Sugar and Starch in Oil Palm Trunks (Elaeis Guineensis Jacq.) from Various Cultivars as a Feedstock for Bioethanol Production. International Journal of Green Energy, 2015, , 150218144136008.	3.8	2
32	The evaluation of environmental waters using yeast DNA microarray. Chem-Bio Informatics Journal, 2006, 6, 29-46.	0.3	1