Yuichi Sakamoto

List of Publications by Year
in descending order

52	1,613	279798 23	315739 38
papers	citations	h-index	g-index

54	54	54	1958
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ten years of CAZypedia: a living encyclopedia of carbohydrate-active enzymes. Glycobiology, 2018, 28, 3-8.	2.5	175
2	Lentinula edodes tlg1 Encodes a Thaumatin-Like Protein That Is Involved in Lentinan Degradation and Fruiting Body Senescence. Plant Physiology, 2006, 141, 793-801.	4.8	103
3	Influences of environmental factors on fruiting body induction, development and maturation in mushroom-forming fungi. Fungal Biology Reviews, 2018, 32, 236-248.	4.7	103
4	Strand-Specific RNA-Seq Analyses of Fruiting Body Development in Coprinopsis cinerea. PLoS ONE, 2015, 10, e0141586.	2.5	95
5	Endo-Î²-1,3-Glucanase GLU1, from the Fruiting Body of Lentinula edodes, Belongs to a New Glycoside Hydrolase Family. Applied and Environmental Microbiology, 2011, 77, 8350-8354.	3.1	60
6	Lentinula edodes Genome Survey and Postharvest Transcriptome Analysis. Applied and Environmental Microbiology, 2017, 83, .	3.1	58
7	Characterization of the post-harvest changes in gene transcription in the gill of the Lentinula edodes fruiting body. Current Genetics, 2009, 55, 409-423.	1.7	55
8	Retrospective analysis of the risk factors for linezolid-induced thrombocytopenia in adult Japanese patients. International Journal of Clinical Pharmacy, 2014, 36, 795-799.	2.1	52
9	Isolation and characterization of a fruiting body-specific exo-?-1,3-glucanase-encoding gene, exg1, from Lentinula edodes. Current Genetics, 2005, 47, 244-252.	1.7	51
10	Retrospective analysis of mortality and Candida isolates of 75 patients with candidemia: a single hospital experience. Infection and Drug Resistance, 2015, 8, 199.	2.7	48
11	The basidiomycetous mushroom Lentinula edodes white collar-2 homolog PHRB, a partner of putative blue-light photoreceptor PHRA, binds to a specific site in the promoter region of the L. edodes tyrosinase gene. Fungal Genetics and Biology, 2009, 46, 333-341.	2.1	47
12	Gene silencing of the Lentinula edodes lcc1 gene by expression of a homologous inverted repeat sequence. Microbiological Research, 2011, 166, 484-493.	5.3	42
13	A chimeric laccase with hybrid properties of the parental Lentinula edodes laccases. Microbiological Research, 2010, 165, 392-401.	5.3	39
14	Genetic engineering of yellow betalain pigments beyond the species barrier. Scientific Reports, 2013, 3, 1970.	3.3	39
15	Characterization of the Lentinula edodes exg2 gene encoding a lentinan-degrading exo-Î²-1,3-glucanase. Current Genetics, 2005, 48, 195-203.	1.7	37
16	An endo-Î²-1,6-glucanase involved in Lentinula edodes fruiting body autolysis. Applied Microbiology and Biotechnology, 2011, 91, 1365-1373.	3.6	34
17	Identification and enzymatic characterization of an endo-1,3-Î²-glucanase from Euglena gracilis. Phytochemistry, 2015, 116, 21-27.	2.9	34
18	Heterologous expression of lcc1 from Lentinula edodes in tobacco BY-2 cells results in the production an active, secreted form of fungal laccase. Applied Microbiology and Biotechnology, 2008, 79, 971-980.	3.6	30

#	Article	IF	Citations
19	Characterization of Î²-N-acetylhexosaminidase (LeHex20A), a member of glycoside hydrolase family 20,	3.0	30
20	Effect of Electrical Stimulation on Fruit Body Formation in Cultivating Mushrooms. Microorganisms, 2014, 2, 58-72.	3.6	30
21	Secretory expression of the non-secretory-type Lentinula edodes laccase by Aspergillus oryzae. Microbiological Research, 2009, 164, 642-649.	5.3	29
22	Pharmacist-managed dose adjustment feedback using therapeutic drug monitoring of vancomycin was useful for patients with methicillin-resistant Staphylococcus aureus infections: a single institution experience. Infection and Drug Resistance, 2016, Volume 9, 243-252.	2.7	27
23	Influence of light on the morphological changes that take place during the development of the Flammulina velutipes fruit body. Mycoscience, 2004, 45, 333-339.	0.8	25
24	The Coprinopsis cinerea septin Cc.Cdc3 is involved in stipe cell elongation. Fungal Genetics and Biology, 2013, 58-59, 80-90.	2.1	25
25	Lentinan Degradation in the Lentinula edodes Fruiting Body during Postharvest Preservation Is Reduced by Downregulation of the exo-Î²-1,3-Glucanase EXG2. Journal of Agricultural and Food Chemistry, 2014, 62, 8153-8157.	5.2	24
26	Pileus differentiation and pileus-specific protein expression in Flammulina velutipes. Fungal Genetics and Biology, 2007, 44, 14-24.	2.1	23
27	Effective induction of pblac1 laccase by copper ion in Polyporus brumalis ibrc05015. Fungal Biology, 2013, 117, 52-61.	2.5	22
28	Cell wall structure of secreted laccase-silenced strain in Lentinula edodes. Fungal Biology, 2018, 122, 1192-1200.	2.5	22
29	Protein expressions during fruit body induction of Flammulina velutipes under reduced temperature. Mycological Research, 2002, 106, 222-227.	2.5	21
30	Grouping of multicopper oxidases in Lentinula edodes by sequence similarities and expression patterns. AMB Express, 2015, 5, 63.	3.0	21
31	Isolation and characterization of the gene encoding a manganese peroxidase from Lentinula edodes. Mycoscience, 2007, 48, 125-130.	0.8	19
32	The inhibitory effects of mushroom extracts on sucrose-dependent oral biofilm formation. Applied Microbiology and Biotechnology, 2010, 86, 615-623.	3.6	19
33	Characterization of an extracellular laccase, PbLac1, purified from Polyporus brumalis. Fungal Biology, 2010, 114, 609-618.	2.5	19
34	Blue light exposure and nutrient conditions influence the expression of genes involved in simultaneous hyphal knot formation in Coprinopsis cinerea. Microbiological Research, 2018, 217, 81-90.	5.3	19
35	Epidemiology, practice patterns, and prognostic factors for candidemia; and characteristics of fourteen patients with breakthrough Candida bloodstream infections: a single tertiary hospital experience in Japan. Infection and Drug Resistance, 2018, Volume 11, 821-833.	2.7	19
36	Relationship between climate, expansion rate, and fruiting in fairy rings (â€˜shiroâ€™) of an ectomycorrhizal fungus Tricholoma matsutake in a Pinus densiflora forest. Fungal Ecology, 2015, 15, 18-28.	1.6	17

#	Article	IF	Citations
37	The Tyrosinase-Encoding Gene of<i>Lentinula edodes</i>,<i>Letyr</i>, Is Abundantly Expressed in the Gills of the Fruit-Body during Post-Harvest Preservation. Bioscience, Biotechnology and Biochemistry, 2009, 73, 1042-1047.	1.3	13
38	Cloning of Lentinula edodes lemnp2, a manganese peroxidase that is secreted abundantly in sawdust medium. Mycoscience, 2009, 50, 116-122.	0.8	13
39	Purification of a novel extracellular laccase from solid-state culture of the edible mushroom Lentinula edodes. Mycoscience, 2009, 50, 308-312.	0.8	11
40	Polysaccharide-Inducible Endoglucanases from <i>Lentinula edodes</i> Exhibit a Preferential Hydrolysis of 1,3â€“1,4-Î²-Glucan and Xyloglucan. Journal of Agricultural and Food Chemistry, 2013, 61, 7591-7598.	5.2	11
41	Differential protein expression in the fruiting dikaryon and the non-fruiting monokaryon of Flammulina velutipes. Mycological Research, 2001, 105, 177-182.	2.5	8
42	Protein expression during Flammulina velutipes fruiting body formation. Mycoscience, 2010, 51, 163-169.	0.8	8
43	Senescence of the Lentinula edodes Fruiting Body After Harvesting. , 0, , .		8
44	Estimation of novel colony establishment and persistence of the ectomycorrhizal basidiomycete Tricholoma matsutake in a Pinus densiflora forest. Fungal Ecology, 2016, 24, 35-43.	1.6	8
45	Identification and characterization of CcCTR1, a copper uptake transporter-like gene, in Coprinopsis cinerea. Microbiological Research, 2010, 165, 276-287.	5.3	6
46	High-Voltage Methods for Mushroom Fruit-Body Developments. , 0, , .		5
47	Molecular cloning, characterization, and expression analysis of a Î²-N-acetylhexosaminidase (LeHex20B) from the shiitake mushroom, Lentinula edodes. Journal of Wood Science, 2015, 61, 178-184.	1.9	4
48	Characterization of proteins expressed abundantly in the fruit-body of Flammulina velutipes. Mycoscience, 2000, 41, 279-282.	0.8	2
49	Screening of a Lentinula edodes Mutant That Retains Lentinan Contents Long after Being Harvested Using TILLING. ACS Agricultural Science and Technology, 2021, 1, 143-149.	2.3	2
50	Effect of drying conditions on inactivation of food microorganisms. Journal of Bioscience and Bioengineering, 2009, 108, S139.	2.2	0
51	Effect of Pulse Width and Dependence on Administration Energy on Increment of Fruit Body Yield in Log Cultivation of <i>Pholiota Microspore</i> by Pulsed High-Voltage Stimulation. IEEJ Transactions on Fundamentals and Materials, 2017, 137, 510-511.	0.2	0
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