

Shingo Miyauchi

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,426
citations

430874

18
h-index

526287

27
g-index

31
all docs

31
docs citations

31
times ranked

1710
citing authors

#	ARTICLE	IF	CITATIONS
1	The fungal root endophyte <i>Serendipita vermifera</i> displays inter-kingdom synergistic beneficial effects with the microbiota in <i>Arabidopsis thaliana</i> and barley. <i>ISME Journal</i> , 2022, 16, 876-889.	9.8	22
2	Evolutionary innovations through gain and loss of genes in the ectomycorrhizal Boletales. <i>New Phytologist</i> , 2022, 233, 1383-1400.	7.3	19
3	Evolutionary transition to the ectomycorrhizal habit in the genomes of a hyperdiverse lineage of mushroom-forming fungi. <i>New Phytologist</i> , 2022, 233, 2294-2309.	7.3	21
4	Phylogenomics and Comparative Genomics Highlight Specific Genetic Features in <i>Ganoderma</i> Species. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 311.	3.5	10
5	Comparative genomics reveals a dynamic genome evolution in the ectomycorrhizal milkcap (<i>Lactarius</i>) mushrooms. <i>New Phytologist</i> , 2022, 235, 306-319.	7.3	14
6	Genomic Analysis Enlightens Agaricales Lifestyle Evolution and Increasing Peroxidase Diversity. <i>Molecular Biology and Evolution</i> , 2021, 38, 1428-1446.	8.9	72
7	Desert truffle genomes reveal their reproductive modes and new insights into plant-fungal interaction and ectomycorrhizal lifestyle. <i>New Phytologist</i> , 2021, 229, 2917-2932.	7.3	19
8	Gene family expansions and transcriptome signatures uncover fungal adaptations to wood decay. <i>Environmental Microbiology</i> , 2021, 23, 5716-5732.	3.8	44
9	Evolution of the Mode of Nutrition in Symbiotic and Saprotrophic Fungi in Forest Ecosystems. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2021, 52, 385-404.	8.3	26
10	Genetic determinants of endophytism in the <i>Arabidopsis</i> root mycobiome. <i>Nature Communications</i> , 2021, 12, 7227.	12.8	58
11	A Transcriptomic Atlas of the Ectomycorrhizal Fungus <i>Laccaria bicolor</i> . <i>Microorganisms</i> , 2021, 9, 2612.	3.6	11
12	An ectomycorrhizal fungus alters sensitivity to jasmonate, salicylate, gibberellin, and ethylene in host roots. <i>Plant, Cell and Environment</i> , 2020, 43, 1047-1068.	5.7	30
13	Large-scale genome sequencing of mycorrhizal fungi provides insights into the early evolution of symbiotic traits. <i>Nature Communications</i> , 2020, 11, 5125.	12.8	258
14	Conserved white-rot enzymatic mechanism for wood decay in the Basidiomycota genus <i>Pycnoporus</i> . <i>DNA Research</i> , 2020, 27, .	3.4	32
15	Insights into an unusual Auxiliary Activity 9 family member lacking the histidine brace motif of lytic polysaccharide monooxygenases. <i>Journal of Biological Chemistry</i> , 2019, 294, 17117-17130.	3.4	30
16	Comparative genomics of <i>Rhizophagus irregularis</i> , <i>R. Âcerebriforme</i> , <i>R. Âdiaphanus</i> and <i>Gigaspora rosea</i> highlights specific genetic features in Glomeromycotina. <i>New Phytologist</i> , 2019, 222, 1584-1598.	7.3	133
17	Pezizomycetes genomes reveal the molecular basis of ectomycorrhizal truffle lifestyle. <i>Nature Ecology and Evolution</i> , 2018, 2, 1956-1965.	7.8	95
18	Dynamics of the <i>Phanerochaete carnosae</i> transcriptome during growth on aspen and spruce. <i>BMC Genomics</i> , 2018, 19, 815.	2.8	15

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19	Integrative visual omics of the white-rot fungus <i>Polyporus brumalis</i> exposes the biotechnological potential of its oxidative enzymes for delignifying raw plant biomass. <i>Biotechnology for Biofuels</i> , 2018, 11, 201.	6.2	45
20	The integrative omics of white-rot fungus <i>Pycnoporus coccineus</i> reveals co-regulated CAZymes for orchestrated lignocellulose breakdown. <i>PLoS ONE</i> , 2017, 12, e0175528.	2.5	64
21	Visual Comparative Omics of Fungi for Plant Biomass Deconstruction. <i>Frontiers in Microbiology</i> , 2016, 7, 1335.	3.5	46
22	Human Papilloma Viruses and Breast Cancer. <i>Frontiers in Oncology</i> , 2015, 5, 277.	2.8	51
23	Human Papilloma Virus Identification in Breast Cancer Patients with Previous Cervical Neoplasia. <i>Frontiers in Oncology</i> , 2015, 5, 298.	2.8	29
24	Simultaneous expression of the bacterial <i>Dictyoglomus thermophilum xynB</i> gene under three different <i>Trichoderma reesei</i> promoters. <i>New Biotechnology</i> , 2014, 31, 98-103.	4.4	11
25	Expression of a bacterial xylanase in <i>Trichoderma reesei</i> under the <i>egl2</i> and <i>cbh2</i> glycosyl hydrolase gene promoters. <i>New Biotechnology</i> , 2013, 30, 523-530.	4.4	26
26	Autism Susceptibility Genes and the Transcriptional Landscape of the Human Brain. <i>International Review of Neurobiology</i> , 2013, 113, 303-318.	2.0	7
27	Dominant bacteria in soils of Marble Point and Wright Valley, Victoria Land, Antarctica. <i>Soil Biology and Biochemistry</i> , 2006, 38, 3041-3056.	8.8	229