

Yinbing Bian

List of Publications by Year
in descending order

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Version: 2024-02-01

53
papers

926
citations

471477
17
h-index

526264
27
g-index

53
all docs

53
docs citations

53
times ranked

761
citing authors

#	ARTICLE	IF	CITATIONS
1	Population genomics provides insights into the genetic basis of adaptive evolution in the mushroom-forming fungus <i>Lentinula edodes</i> . <i>Journal of Advanced Research</i> , 2022, 38, 91-106.	9.5	16
2	Curing two predominant viruses occurring in <i>Lentinula edodes</i> by chemotherapy and mycelial fragmentation methods. <i>Journal of Virological Methods</i> , 2022, 300, 114370.	2.1	5
3	RNA-Seq-based high-resolution linkage map reveals the genetic architecture of fruiting body development in shiitake mushroom, <i>Lentinula edodes</i> . <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 1641-1653.	4.1	12
4	Identification of microRNA-like RNAs in <i>Cordyceps guangdongensis</i> and their expression profile under differential developmental stages. <i>Fungal Genetics and Biology</i> , 2021, 147, 103505.	2.1	4
5	Mycoviral diversity and characteristics of a negative-stranded RNA virus LeNSRV1 in the edible mushroom <i>Lentinula edodes</i> . <i>Virology</i> , 2021, 555, 89-101.	2.4	16
6	Enhanced Expression of Thaumatin-like Protein Gene (LeTLP1) Endows Resistance to <i>Trichoderma atroviride</i> in <i>Lentinula edodes</i> . <i>Life</i> , 2021, 11, 863.	2.4	10
7	Biological Characterization and Antagonist Screening of <i>Cladosporium anthropophilum</i> , a Novel Pathogen Causing Stipe Black Rot on Commercial Medicinal Mushroom, <i>Flammulina filiformis</i> (Agaricomycetes). <i>International Journal of Medicinal Mushrooms</i> , 2021, 23, 65-73.	1.5	0
8	Biosynthetic Pathway and the Potential Role of Melatonin at Different Abiotic Stressors and Developmental Stages in <i>Tolypocladium guangdongense</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 746141.	3.5	1
9	Chromosome-Wide Characterization of Intragenic Crossover in Shiitake Mushroom, <i>Lentinula edodes</i> . <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 1076.	3.5	0
10	The mitochondrial genome of <i>Morchella importuna</i> (272.2 kb) is the largest among fungi and contains numerous introns, mitochondrial non-conserved open reading frames and repetitive sequences. <i>International Journal of Biological Macromolecules</i> , 2020, 143, 373-381.	7.5	63
11	Characterization of Two Mitochondrial Genomes and Gene Expression Analysis Reveal Clues for Variations, Evolution, and Large-Sclerotium Formation in Medical Fungus <i>Wolfiporia cocos</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 1804.	3.5	2
12	Transcriptome and proteome analyses reveal the regulatory networks and metabolite biosynthesis pathways during the development of <i>Tolypocladium guangdongense</i> . <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2081-2094.	4.1	14
13	The development of an efficient RNAi system based on <i>Agrobacterium</i> -mediated transformation approach for studying functional genomics in medical fungus <i>Wolfiporia cocos</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 140.	3.6	4
14	Mitogenome of <i>Tolypocladium guangdongense</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 9295-9308.	3.6	6
15	Expression profiling of <i>Cordyceps</i> DnaI protein family in <i>Tolypocladium guangdongense</i> during developmental and temperature stress processes. <i>Gene</i> , 2020, 743, 144563.	2.2	4
16	Bioconversion of rice straw agro-residues by <i>Lentinula edodes</i> and evaluation of non-volatile taste compounds in mushrooms. <i>Scientific Reports</i> , 2020, 10, 1814.	3.3	23
17	Subchromosome-Scale Nuclear and Complete Mitochondrial Genome Characteristics of <i>Morchella crassipes</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 483.	4.1	27
18	Selection and validation of reliable reference genes for <i>Tolypocladium guangdongense</i> gene expression analysis under differentially developmental stages and temperature stresses. <i>Gene</i> , 2020, 734, 144380.	2.2	12

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19	Hsp40 Protein LeDnaJ07 Enhances the Thermotolerance of <i>Lentinula edodes</i> and Regulates IAA Biosynthesis by Interacting LetrpE. <i>Frontiers in Microbiology</i> , 2020, 11, 707.	3.5	14
20	Distribution, evolution and expression of <i>GATA</i> -TFs provide new insights into their functions in light response and fruiting body development of <i>Tolypocladium guangdongense</i> . <i>PeerJ</i> , 2020, 8, e9784.	2.0	2
21	Effects of Medium Composition and Genetic Background on <i>Agrobacterium</i> -Mediated Transformation Efficiency of <i>Lentinula edodes</i> . <i>Genes</i> , 2019, 10, 467.	2.4	12
22	Selection and Validation of Reference Genes for qRT-PCR in <i>Lentinula edodes</i> under Different Experimental Conditions. <i>Genes</i> , 2019, 10, 647.	2.4	10
23	Selection of Reference Genes for qRT-PCR Analysis in <i>Lentinula edodes</i> after Hot-Air Drying. <i>Molecules</i> , 2019, 24, 136.	3.8	16
24	Identification of a Heat-Inducible Element of Cysteine Desulfurase Gene Promoter in <i>Lentinula edodes</i> . <i>Molecules</i> , 2019, 24, 2223.	3.8	6
25	Comparative transcriptomics reveals potential genes involved in the vegetative growth of <i>Morchella importuna</i> . <i>3 Biotech</i> , 2019, 9, 81.	2.2	21
26	Transcriptional Changes on Blight Fruiting Body of <i>Flammulina velutipes</i> Caused by Two New Bacterial Pathogens. <i>Frontiers in Microbiology</i> , 2019, 10, 2845.	3.5	12
27	Expression Profile of Laccase Gene Family in White-Rot Basidiomycete <i>Lentinula edodes</i> under Different Environmental Stresses. <i>Genes</i> , 2019, 10, 1045.	2.4	16
28	Effects of GGT and C-S Lyase on the Generation of Endogenous Formaldehyde in <i>Lentinula edodes</i> at Different Growth Stages. <i>Molecules</i> , 2019, 24, 4203.	3.8	12
29	The DnaJ Gene Family in Shiitake Culinary-Medicinal Mushroom, <i>Lentinus edodes</i> (Agaricomycetes): Comprehensive Identification, Characterization, and Expression Profiles under Different Conditions. <i>International Journal of Medicinal Mushrooms</i> , 2019, 21, 909-919.	1.5	4
30	Comprehensive Evaluation of Shiitake Strains (<i>Lentinus edodes</i> , Agaricomycetes) Based on Polysaccharide Content and Agronomic Traits. <i>International Journal of Medicinal Mushrooms</i> , 2019, 21, 851-864.	1.5	2
31	First report of a cross-kingdom pathogenic bacterium, <i>Achromobacter xylosoxidans</i> isolated from stipe-rot <i>Coprinus comatus</i> . <i>Microbiological Research</i> , 2018, 207, 249-255.	5.3	11
32	First report of pileus rot disease on cultivated <i>Morchella importuna</i> caused by <i>Diplodia spora longispora</i> in China. <i>Journal of General Plant Pathology</i> , 2018, 84, 65-69.	1.0	25
33	<i>Agrobacterium</i> -mediated transformation of the ascomycete mushroom <i>Morchella importuna</i> using polyubiquitin and glyceraldehyde-3-phosphate dehydrogenase promoter-based binary vectors. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 148.	3.6	10
34	Validation of Internal Control Genes for Quantitative Real-Time PCR Gene Expression Analysis in <i>Morchella</i> . <i>Molecules</i> , 2018, 23, 2331.	3.8	24
35	Opposite Polarity Monospore Genome De Novo Sequencing and Comparative Analysis Reveal the Possible Heterothallic Life Cycle of <i>Morchella importuna</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 2525.	4.1	31
36	The heat shock protein 40 LeDnaJ regulates stress resistance and indole-3-acetic acid biosynthesis in <i>Lentinula edodes</i> . <i>Fungal Genetics and Biology</i> , 2018, 118, 37-44.	2.1	38

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37	Genetic variation and phylogenetic analyses reveal transmission clues of <i>Lentinula edodes</i> partitivirus 1 (LePV1) from the Chinese <i>L. edodes</i> core collection. <i>Virus Research</i> , 2018, 255, 127-132.	2.2	8
38	Detection of Quantitative Trait Loci Underlying Yield-Related Traits in Shiitake Culinary-Medicinal Mushroom, <i>Lentinus edodes</i> (Agaricomycetes). <i>International Journal of Medicinal Mushrooms</i> , 2018, 20, 451-458.	1.5	9
39	Phenotypic and Genetic Diversity of the Culinary-Medicinal Winter Mushroom <i>Flammulina velutipes</i> (Agaricomycetes) in China. <i>International Journal of Medicinal Mushrooms</i> , 2018, 20, 517-536.	1.5	5
40	Biological and Molecular Characteristics of a Novel Partitivirus Infecting the Edible Fungus <i>Lentinula edodes</i> . <i>Plant Disease</i> , 2017, 101, 726-733.	1.4	24
41	Comparative secretomic analysis of lignocellulose degradation by <i>Lentinula edodes</i> grown on microcrystalline cellulose, lignosulfonate and glucose. <i>Journal of Proteomics</i> , 2017, 163, 92-101.	2.4	41
42	Association Mapping Reveals Genetic Loci Associated with Important Agronomic Traits in <i>Lentinula edodes</i> , Shiitake Mushroom. <i>Frontiers in Microbiology</i> , 2017, 8, 237.	3.5	13
43	Diversity and effect of <i>Trichoderma</i> spp. associated with green mold disease on <i>Lentinula edodes</i> in China. <i>MicrobiologyOpen</i> , 2016, 5, 709-718.	3.0	42
44	Population genomic analysis uncovers environmental stress-driven selection and adaptation of <i>Lentinula edodes</i> population in China. <i>Scientific Reports</i> , 2016, 6, 36789.	3.3	23
45	Identification of and antimicrobial activity of plant extracts against <i>Pseudomonas putida</i> from rot fruiting bodies of <i>Pleurotus eryngii</i> . <i>Scientia Horticulturae</i> , 2016, 212, 235-239.	3.6	7
46	Development of crossbreeding high-yield-potential strains for commercial cultivation in the medicinal mushroom <i>Wolfiporia cocos</i> (Higher Basidiomycetes). <i>Journal of Natural Medicines</i> , 2016, 70, 645-652.	2.3	28
47	Genome Sequence of the Edible Cultivated Mushroom <i>Lentinula edodes</i> (Shiitake) Reveals Insights into Lignocellulose Degradation. <i>PLoS ONE</i> , 2016, 11, e0160336.	2.5	110
48	De Novo Assembly of <i>Auricularia polytricha</i> Transcriptome Using Illumina Sequencing for Gene Discovery and SSR Marker Identification. <i>PLoS ONE</i> , 2014, 9, e91740.	2.5	45
49	Effective Removal of Cadmium Ions from a Simulated Gastrointestinal Fluid by <i>Lentinus edodes</i> . <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 12486-12498.	2.6	9
50	Cloning, expression and phylogenetic analysis of a divergent laccase multigene family in <i>Auricularia auricula-judae</i> . <i>Microbiological Research</i> , 2014, 169, 453-462.	5.3	34
51	Biological Characteristics of Teleomorph and Optimized In Vitro Fruiting Conditions of the Hoelen Medicinal Mushroom, <i>Wolfiporia extensa</i> (Higher Basidiomycetes). <i>International Journal of Medicinal Mushrooms</i> , 2014, 16, 421-429.	1.5	10
52	Development of IRAP-SCAR marker for strain identification in <i>Lentinula edodes</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 1731-1734.	3.6	4
53	Using SSR markers to evaluate the genetic diversity of <i>Lentinula edodes</i> ™ natural germplasm in China. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 527-536.	3.6	29