

# Won-Sik Kong

## List of Publications by Year in descending order

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49  
papers

1,054  
citations

567281

15  
h-index

434195

31  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant growth promotion and <i>Penicillium citrinum</i> . BMC Microbiology, 2008, 8, 231.	3.3	244
2	Whole Genome and Global Gene Expression Analyses of the Model Mushroom <i>Flammulina velutipes</i> Reveal a High Capacity for Lignocellulose Degradation. PLoS ONE, 2014, 9, e93560.	2.5	107
3	A detailed analysis of the recombination landscape of the button mushroom <i>Agaricus bisporus</i> var. <i>bisporus</i> . Fungal Genetics and Biology, 2016, 93, 35-45.	2.1	75
4	Comparative Genomics of the Mating-Type Loci of the Mushroom <i>Flammulina velutipes</i> Reveals Widespread Synteny and Recent Inversions. PLoS ONE, 2011, 6, e22249.	2.5	54
5	Potential geo-discriminative tools to trace the origins of the dried slices of shiitake ( <i>Lentinula</i> ) Tj ETQq1 1 0.784314 $\mu$ gBT /Overlock 10 T	8.2	53
6	Genome Sequencing and Carbohydrate-Active Enzyme (CAZyme) Repertoire of the White Rot Fungus <i>Flammulina elastica</i> . International Journal of Molecular Sciences, 2018, 19, 2379.	4.1	47
7	Occurrence of black rot of cultivated mushrooms ( <i>Flammulina velutipes</i> ) caused by <i>Pseudomonas tolaasii</i> in Korea. European Journal of Plant Pathology, 2012, 133, 527-535.	1.7	31
8	Cloning and developmental expression of a metzincin family metalloprotease cDNA from oyster mushroom <i>Pleurotus ostreatus</i> . FEMS Microbiology Letters, 2004, 239, 57-62.	1.8	26
9	Species identity of <i>Phellinus linteus</i> ( <i>sanghuang</i> ) extensively used as a medicinal mushroom in Korea. Journal of Microbiology, 2016, 54, 290-295.	2.8	25
10	Regional discrimination of <i>Agaricus bisporus</i> mushroom using the natural stable isotope ratios. Food Chemistry, 2018, 264, 92-100.	8.2	24
11	Screening of Biodegradable Function of Indigenous Ligno-degrading Mushroom Using Dyes. Mycobiology, 2009, 37, 53.	1.7	23
12	Genomic discovery of the hypsin gene and biosynthetic pathways for terpenoids in <i>Hypsizygus marmoreus</i> . BMC Genomics, 2018, 19, 789.	2.8	21
13	Cloning and Expression Analysis of Phenylalanine Ammonia-Lyase Gene in the Mycelium and Fruit Body of the Edible Mushroom <i>Flammulina velutipes</i> . Mycobiology, 2015, 43, 327-332.	1.7	20
14	Identification and Functional Analysis of Pheromone and Receptor Genes in the B3 Mating Locus of <i>Pleurotus eryngii</i> . PLoS ONE, 2014, 9, e104693.	2.5	18
15	The mitochondrial genome of the white-rot fungus <i>Flammulina velutipes</i> . Journal of General and Applied Microbiology, 2012, 58, 331-337.	0.7	17
16	Taxonomic Position and Species Identity of the Cultivated Yeongji <i>Ganoderma lucidum</i> ™ in Korea. Mycobiology, 2016, 44, 1-6.	1.7	16
17	Unusual genome expansion and transcription suppression in ectomycorrhizal <i>Tricholoma matsutake</i> by insertions of transposable elements. PLoS ONE, 2020, 15, e0227923.	2.5	15
18	Metagenomic analysis of bacterial communities on Dokdo Island. Journal of General and Applied Microbiology, 2014, 60, 65-74.	0.7	15

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19	Genome-Wide Comparison of Carbohydrate-Active Enzymes (CAZymes) Repertoire of <i>Flammulina ononis</i> . <i>Mycobiology</i> , 2018, 46, 349-360.	1.7	14
20	Development and Characterization of New Microsatellite Markers for the Oyster Mushroom ( <i>Pleurotus ostreatus</i> ). <i>Journal of Microbiology and Biotechnology</i> , 2009, 19, 851-857.	2.1	14
21	Overproduction of Laccase by the White-Rot Fungus <i>Pleurotus ostreatus</i> Using Apple Pomace as Inducer. <i>Mycobiology</i> , 2014, 42, 193-197.	1.7	12
22	Fatty Acids and Stable Isotope Ratios in Shiitake Mushrooms ( <i>Lentinula edodes</i> ) Indicate the Origin of the Cultivation Substrate Used: A Preliminary Case Study in Korea. <i>Foods</i> , 2020, 9, 1210.	4.3	12
23	Highly Efficient Electroporation-mediated Transformation into Edible Mushroom <i>Flammulina velutipes</i> . <i>Mycobiology</i> , 2010, 38, 331.	1.7	11
24	Complete mitochondrial genome of the ectomycorrhizal fungus <i>Tricholoma matsutake</i> . Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2016, 27, 3855-3857.	0.7	11
25	Identification of Mating Type Loci and Development of SCAR Marker Genetically Linked to the B3 Locus in <i>Pleurotus eryngii</i> . <i>Journal of Microbiology and Biotechnology</i> , 2012, 22, 1177-1184.	2.1	11
26	Identification of Degenerate Nuclei and Development of a SCAR Marker for <i>Flammulina velutipes</i> . <i>PLoS ONE</i> , 2014, 9, e107207.	2.5	10
27	Genome-Wide Identification and Characterization of Novel Laccase Genes in the White-Rot Fungus <i>Flammulina velutipes</i> . <i>Mycobiology</i> , 2014, 42, 322-330.	1.7	10
28	Complete mitochondrial genome of the entomopathogenic fungus <i>Beauveria pseudobassiana</i> (Ascomycota, Cordycipitaceae). <i>Mitochondrial DNA</i> , 2015, 26, 777-778.	0.6	10
29	Electrophoretic karyotyping and construction of a bacterial artificial chromosome library of the winter mushroom <i>Flammulina velutipes</i> . <i>Microbiological Research</i> , 2010, 165, 321-328.	5.3	9
30	Cloning and mRNA Expression Analysis of the Gene Encoding Phenylalanine Ammonia-Lyase of the Ectomycorrhizal Fungus <i>Tricholoma matsutake</i> . <i>Journal of Microbiology and Biotechnology</i> , 2013, 23, 1055-1059.	2.1	9
31	Evaluation of Anti-Atopic Dermatitis Activity of <i>Hypsizigus marmoreus</i> Extract. <i>Phytotherapy Research</i> , 2014, 28, 1539-1546.	5.8	7
32	Genome Sequencing and Genome-Wide Identification of Carbohydrate-Active Enzymes (CAZymes) in the White Rot Fungus <i>Flammulina fennae</i> . <i>Microbiology and Biotechnology Letters</i> , 2018, 46, 300-312.	0.4	7
33	Isolation of 1',3'-Dilinolenoyl'-2'-Linoleoylglycerol with Tyrosinase Inhibitory Activity from <i>Flammulina velutipes</i> . <i>Journal of Microbiology and Biotechnology</i> , 2009, 19, 681-4.	2.1	7
34	Identification of Differentially Expressed Genes in <i>Flammulina velutipes</i> with Anti-Tyrosinase Activity. <i>Current Microbiology</i> , 2011, 62, 452-457.	2.2	6
35	An origin identification model for labeling of shiitake ( <i>Lentinula edodes</i> ). <i>Npj Science of Food</i> , 2021, 5, 2.	5.5	6
36	Comparative analysis of expressed sequence tags from <i>Flammulina velutipes</i> at different developmental stages. <i>Journal of Microbiology and Biotechnology</i> , 2009, 19, 774-80.	2.1	6

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37	Breeding of <i>Flammulina velutipes</i> Strains Adaptable to Elevated-temperature. <i>Mycobiology</i> , 2004, 32, 11.	1.7	5
38	Genomic Insights into the Fungal Lignocellulolytic Machinery of <i>Flammulina rossica</i> . <i>Microorganisms</i> , 2019, 7, 421.	3.6	5
39	Improved accuracy of geographical origin identification of shiitake grown in sawdust medium: A compound-specific isotope model-based pilot study. <i>Food Chemistry</i> , 2022, 369, 130955.	8.2	5
40	<i>Agrobacterium</i> -mediated transformation using gill tissue of <i>Flammulina velutipes</i> . <i>Korean Journal of Mycology</i> , 2010, 38, 48-53.	0.3	5
41	The Efficient Transformation of <i>Pleurotus ostreatus</i> using REMI Method. <i>Mycobiology</i> , 2003, 31, 32.	1.7	5
42	A New Double-Stranded RNA Mycovirus from <i>Pleurotus ostreatus</i> (ASI 2504). <i>Plant Pathology Journal</i> , 2006, 22, 68-74.	1.7	5
43	Genetic and Biochemical Characterization of Monokaryotic Progeny Strains of Button Mushroom ( <i>Agaricus bisporus</i> ). <i>Mycobiology</i> , 2015, 43, 81-86.	1.7	4
44	Development of a Molecular Marker Linked to the A4 Locus and the Structure of HD Genes in <i>Pleurotus eryngii</i> . <i>Mycobiology</i> , 2019, 47, 200-206.	1.7	4
45	Evaluating Genetic Diversity of <i>Agaricus bisporus</i> Accessions through Phylogenetic Analysis Using Single-Nucleotide Polymorphism (SNP) Markers. <i>Mycobiology</i> , 2021, 49, 61-68.	1.7	4
46	Isolation and Characterization of Dikaryotic Mutants from <i>Pleurotus ostreatus</i> by UV Irradiation. <i>Mycobiology</i> , 2004, 32, 88.	1.7	3
47	Comparative Analysis of Carbohydrate Active Enzymes in the <i>Flammulina velutipes</i> var. <i>lupinicola</i> Genome. <i>Microorganisms</i> , 2021, 9, 20.	3.6	3
48	Ribosomal Intergenic Spacer 1 Based Characterization of Button Mushroom ( <i>Agaricus bisporus</i> ) Strains. <i>Mycobiology</i> , 2016, 44, 314-318.	1.7	2
49	Plant Growth Promotion of <i>Calystegia soldanella</i> and <i>Ischaemum antheophoroides</i> by the Strain <i>Penicillium citrinum</i> KACC43900. <i>Journal of Life Science</i> , 2010, 20, 1373-1377.	0.2	1