

# Jiwei Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,016  
citations

687363

13  
h-index

454955

30  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1509  
citing authors

#	ARTICLE	IF	CITATIONS
1	Widespread Polycistronic Transcripts in Fungi Revealed by Single-Molecule mRNA Sequencing. PLoS ONE, 2015, 10, e0132628.	2.5	340
2	Localizing gene regulation reveals a staggered wood decay mechanism for the brown rot fungus <i>Postia placenta</i> . Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10968-10973.	7.1	160
3	Development of the cellulolytic fungus <i>Trichoderma reesei</i> strain with enhanced $\beta$ -glucosidase and filter paper activity using strong artificial cellobiohydrolase 1 promoter. Bioresource Technology, 2010, 101, 9815-9818.	9.6	114
4	Gene Regulation Shifts Shed Light on Fungal Adaption in Plant Biomass Decomposers. MBio, 2019, 10, .	4.1	47
5	Role of carbon source in the shift from oxidative to hydrolytic wood decomposition by <i>Postia placenta</i> . Fungal Genetics and Biology, 2017, 106, 1-8.	2.1	40
6	Ras GTPases Modulate Morphogenesis, Sporulation and Cellulase Gene Expression in the Cellulolytic Fungus <i>Trichoderma reesei</i> . PLoS ONE, 2012, 7, e48786.	2.5	39
7	Improved biomass saccharification by <i>Trichoderma reesei</i> through heterologous expression of <i>lacA</i> gene from <i>Trametes</i> sp. AH28-2. Journal of Bioscience and Bioengineering, 2012, 113, 697-703.	2.2	31
8	Nanostructural Analysis of Enzymatic and Non-enzymatic Brown Rot Fungal Deconstruction of the Lignocellulose Cell Wall. Frontiers in Microbiology, 2020, 11, 1389.	3.5	30
9	Construction and direct electrochemistry of orientation controlled laccase electrode. Biochemical and Biophysical Research Communications, 2014, 446, 201-205.	2.1	29
10	A genomics-informed study of oxalate and cellulase regulation by brown rot wood-degrading fungi. Fungal Genetics and Biology, 2018, 112, 64-70.	2.1	26
11	Oxidative Damage Control during Decay of Wood by Brown Rot Fungus Using Oxygen Radicals. Applied and Environmental Microbiology, 2018, 84, .	3.1	23
12	Substrate-Specific Differential Gene Expression and RNA Editing in the Brown Rot Fungus <i>Fomitopsis pinicola</i> . Applied and Environmental Microbiology, 2018, 84, .	3.1	22
13	Improved cellulase production via disruption of PDE01641 in cellulolytic fungus <i>Penicillium decumbens</i> . Bioresource Technology, 2012, 123, 733-737.	9.6	13
14	Functional Genomics, Transcriptomics, and Proteomics Reveal Distinct Combat Strategies Between Lineages of Wood-Degrading Fungi With Redundant Wood Decay Mechanisms. Frontiers in Microbiology, 2020, 11, 1646.	3.5	13
15	Plasmonic elliptical nanoholes for chiroptical analysis and enantioselective optical trapping. Nanoscale, 2021, 13, 9185-9192.	5.6	10
16	Generation of optical chirality patterns with plane waves, evanescent waves and surface plasmon waves. Optics Express, 2020, 28, 760.	3.4	8
17	Evaluation of colorimetric assays for determination of H <sub>2</sub> O <sub>2</sub> in planta during fungal wood decomposition. Journal of Microbiological Methods, 2018, 145, 10-13.	1.6	7
18	Reference genes for accurate normalization of gene expression in wood-decomposing fungi. Fungal Genetics and Biology, 2019, 123, 33-40.	2.1	7

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19	Using MALDI-FTICR-MS Imaging to Track Low-Molecular-Weight Aromatic Derivatives of Fungal Decayed Wood. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 609.	3.5	6
20	Distinctive carbon repression effects in the carbohydrate-selective wood decay fungus <i>Rhodonia placenta</i> . <i>Fungal Genetics and Biology</i> , 2022, 159, 103673.	2.1	6
21	Chiral Structured Illumination Microscopy. <i>ACS Photonics</i> , 2021, 8, 130-134.	6.6	4
22	Dual-channel illumination surface plasmon resonance holographic microscopy for resolution improvement. <i>Optics Letters</i> , 2021, 46, 1604.	3.3	4
23	Light-field focusing and modulation through scattering media based on dual-polarization-encoded digital optical phase conjugation. <i>Optics Letters</i> , 2022, 47, 2738.	3.3	4
24	Simultaneous measurement of near-water-film air temperature and humidity fields based on dual-wavelength digital holographic interferometry. <i>Optics Express</i> , 2022, 30, 17278.	3.4	4
25	Capturing an Early Gene Induction Event during Wood Decay by the Brown Rot Fungus <i>Rhodonia placenta</i> . <i>Applied and Environmental Microbiology</i> , 2022, , e0018822.	3.1	3
26	Fluorescence in situ mRNA hybridization for gene expression detection in a wood decay fungus. <i>International Biodeterioration and Biodegradation</i> , 2019, 143, 104731.	3.9	2
27	Compact Polarization-resolved Common-path Digital Holography based on Pancharatnam-Berry Phase. <i>Optics Letters</i> , 2021, 46, 5862-5865.	3.3	1
28	Dual-wavelength surface plasmon resonance holographic microscopy for simultaneous measurements of cell adhesion gap and cytoplasm refractive index. <i>Optics Letters</i> , 2022, 47, 2306-2309.	3.3	1
29	Structured illumination microscopy for simultaneous imaging of achiral and chiral domains. <i>Optics Letters</i> , 2021, 46, 4546.	3.3	0
30	Editorial: Fungal Genetics in Plant Biomass Conversion. <i>Frontiers in Microbiology</i> , 2022, 13, 875768.	3.5	0