

# Cheng Jin

## List of Publications by Year in descending order

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66  
papers

5,870  
citations

411340  
20  
h-index

129628  
63  
g-index

74  
all docs

74  
docs citations

74  
times ranked

15998  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emp47 and Vip36 are required for polarized growth and protein trafficking between ER and Golgi apparatus in opportunistic fungal pathogen <i>Aspergillus fumigatus</i> . <i>Fungal Genetics and Biology</i> , 2022, 158, 103638.	0.9	5
2	Novel Insights Into the Sulfated Glucuronic Acid-Based Anti-SARS-CoV-2 Mechanism of Exopolysaccharides From Halophilic Archaeon <i>Haloarcula hispanica</i> . <i>Frontiers in Chemistry</i> , 2022, 10, 871509.	1.8	5
3	Loss of NSE-4 Perturbs Genome Stability and DNA Repair in <i>Caenorhabditis elegans</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 7202.	1.8	3
4	Galactofuranose (GalF)-containing sugar chain contributes to the hyphal growth, conidiation and virulence of <i>F. oxysporum</i> f.sp. <i>cucumerinum</i> . <i>PLoS ONE</i> , 2021, 16, e0250064.	1.1	4
5	A Thermotolerant Marine <i>Bacillus amyloliquefaciens</i> S185 Producing Iturin A5 for Antifungal Activity against <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> . <i>Marine Drugs</i> , 2021, 19, 516.	2.2	14
6	A unique cell wall synthetic response evoked by glucosamine determines pathogenicity-associated fungal cellular differentiation. <i>PLoS Genetics</i> , 2021, 17, e1009817.	1.5	12
7	<i>Caenorhabditis elegans</i> as an Infection Model for Pathogenic Mold and Dimorphic Fungi: Applications and Challenges. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 751947.	1.8	6
8	A molecular vision of fungal cell wall organization by functional genomics and solid-state NMR. <i>Nature Communications</i> , 2021, 12, 6346.	5.8	54
9	Bioactive Phytochemicals with Anti-Aging and Lifespan Extending Potentials in <i>Caenorhabditis elegans</i> . <i>Molecules</i> , 2021, 26, 7323.	1.7	27
10	Deficiency of GPI Glycan Modification by Ethanolamine Phosphate Results in Increased Adhesion and Immune Resistance of <i>Aspergillus fumigatus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 780959.	1.8	2
11	<i>O</i> -Acetylation of Capsular Polysialic Acid Enables <i>Escherichia coli</i> K1 Escaping from Siglec-Mediated Innate Immunity and Lysosomal Degradation of <i>E. coli</i> -Containing Vacuoles in Macrophage-Like Cells. <i>Microbiology Spectrum</i> , 2021, 9, e0039921.	1.2	1
12	Genetical and O-glycoproteomic analyses reveal the roles of three protein O-mannosyltransferases in phytopathogen <i>Fusarium oxysporum</i> f.sp. <i>cucumerinum</i> . <i>Fungal Genetics and Biology</i> , 2020, 134, 103285.	0.9	9
13	Chitin deacetylases Cod4 and Cod7 are involved in polar growth of <i>Aspergillus fumigatus</i> . <i>MicrobiologyOpen</i> , 2020, 9, e00943.	1.2	8
14	Enhanced glycosylation of an S-layer protein enables a psychrophilic methanogenic archaeon to adapt to elevated temperatures in abundant substrates. <i>FEBS Letters</i> , 2020, 594, 665-677.	1.3	13
15	Marine Bioactive Compounds against <i>Aspergillus fumigatus</i> : Challenges and Future Prospects. <i>Antibiotics</i> , 2020, 9, 813.	1.5	5
16	Protein O-mannosylation affects protein secretion, cell wall integrity and morphogenesis in <i>Trichoderma reesei</i> . <i>Fungal Genetics and Biology</i> , 2020, 144, 103440.	0.9	5
17	Agl22 and Agl23 are involved in the synthesis and utilization of the lipid-linked intermediates in the glycosylation pathways of the halophilic archaeon <i>Haloarcula hispanica</i> . <i>Molecular Microbiology</i> , 2020, 114, 762-774.	1.2	5
18	Cell wall polysaccharides from pathogenic fungi for diagnosis of fungal infectious disease. <i>Mycoses</i> , 2020, 63, 644-652.	1.8	6

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19	<i>Aspergillus fumigatus</i> Mitochondrial Acetyl Coenzyme A Acetyltransferase as an Antifungal Target. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	15
20	Effects of various inhibitory substances and immobilization on ethanol production efficiency of a thermotolerant <i>Pichia kudriavzevii</i> . <i>Biotechnology for Biofuels</i> , 2020, 13, 91.	6.2	22
21	<i>Caenorhabditis elegans</i> -Based <i>Aspergillus fumigatus</i> Infection Model for Evaluating Pathogenicity and Drug Efficacy. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 320.	1.8	17
22	Covid-19 Outbreak on The Rise - Anticipating Treatment Strategy. <i>Acta Scientific Microbiology</i> , 2020, 3, 28-33.	0.0	0
23	<i>Aspergillus fumigatus</i> phosphoethanolamine transferase gene <i>gpi7</i> is required for proper transportation of the cell wall GPI-anchored proteins and polarized growth. <i>Scientific Reports</i> , 2019, 9, 5857.	1.6	6
24	<i>Aspergillus fumigatus</i> Mnn9 is responsible for mannan synthesis and required for covalent linkage of mannoprotein to the cell wall. <i>Fungal Genetics and Biology</i> , 2019, 128, 20-28.	0.9	9
25	NDM-1 encoded by a pNDM-HN380-like plasmid pNDM-BJ03 in clinical <i>Enterobacter cloacae</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2018, 90, 153-155.	0.8	6
26	Decalin-Containing Tetramic Acids and 4-Hydroxy-2-pyridones with Antimicrobial and Cytotoxic Activity from the Fungus <i>Coniochaeta cephalothecoides</i> Collected in Tibetan Plateau (Medog). <i>Journal of Organic Chemistry</i> , 2017, 82, 11474-11486.	1.7	35
27	Genetics, Molecular, and Proteomics Advances in Filamentous Fungi. <i>Current Microbiology</i> , 2017, 74, 1226-1236.	1.0	6
28	WciG O -Acetyltransferase Functionality Differentiates Pneumococcal Serotypes 35C and 42. <i>Journal of Clinical Microbiology</i> , 2017, 55, 2775-2784.	1.8	16
29	An Acidic Exopolysaccharide from <i>Haloarcula hispanica</i> ATCC33960 and Two Genes Responsible for Its Synthesis. <i>Archaea</i> , 2017, 2017, 1-12.	2.3	16
30	Insight into Enzymatic Degradation of Corn, Wheat, and Soybean Cell Wall Cellulose Using Quantitative Secretome Analysis of <i>Aspergillus fumigatus</i> . <i>Journal of Proteome Research</i> , 2016, 15, 4387-4402.	1.8	16
31	Cell Surface Glycoside Hydrolases of <i>Streptococcus gordonii</i> Promote Growth in Saliva. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5278-5286.	1.4	9
32	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
33	Enhanced production of polysialic acid by metabolic engineering of <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2603-2611.	1.7	13
34	Identification of the S-layer glycoproteins and their covalently linked glycans in the halophilic archaeon <i>Haloarcula hispanica</i> . <i>Glycobiology</i> , 2015, 25, 1150-1162.	1.3	17
35	Kexin-like endoprotease KexB is required for N-glycan processing, morphogenesis and virulence in <i>Aspergillus fumigatus</i> . <i>Fungal Genetics and Biology</i> , 2015, 76, 57-69.	0.9	21
36	Transcription Factor ADS-4 Regulates Adaptive Responses and Resistance to Antifungal Azole Stress. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5396-5404.	1.4	25

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37	Characterization of genes for chitin catabolism in <i>Haloferax mediterranei</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1185-1194.	1.7	34
38	pyrG is required for maintaining stable cellular uracil level and normal sporulation pattern under excess uracil stress in <i>Aspergillus nidulans</i> . <i>Science China Life Sciences</i> , 2013, 56, 467-475.	2.3	9
39	Genetic and structural validation of <i>Aspergillus fumigatus</i> UDP-N-acetylglucosamine pyrophosphorylase as an antifungal target. <i>Molecular Microbiology</i> , 2013, 89, 479-493.	1.2	29
40	Glycosynthase with Broad Substrate Specificity – an Efficient Biocatalyst for the Construction of Oligosaccharide Library. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2414-2419.	1.2	13
41	One Single Basic Amino Acid at the -1 or -2 Site Is a Signal That Retains Glycosylphosphatidylinositol-Anchored Protein in the Plasma Membrane of <i>Aspergillus fumigatus</i> . <i>Eukaryotic Cell</i> , 2013, 12, 889-899.	3.4	18
42	Genetic and structural validation of <i>Aspergillus fumigatus</i> N-acetylphosphoglucosamine mutase as an antifungal target. <i>Bioscience Reports</i> , 2013, 33, .	1.1	22
43	N-Glycosylation of Gel1 or Gel2 is vital for cell wall $\beta$ -glucan synthesis in <i>Aspergillus fumigatus</i> . <i>Glycobiology</i> , 2013, 23, 955-968.	1.3	13
44	Transcriptome and Biochemical Analysis Reveals That Suppression of GPI-Anchor Synthesis Leads to Autophagy and Possible Necroptosis in <i>Aspergillus fumigatus</i> . <i>PLoS ONE</i> , 2013, 8, e59013.	1.1	28
45	Protein Glycosylation in <i>Aspergillus fumigatus</i> Is Essential for Cell Wall Synthesis and Serves as a Promising Model of Multicellular Eukaryotic Development. <i>International Journal of Microbiology</i> , 2012, 2012, 1-21.	0.9	32
46	Repression of N-glycosylation triggers the unfolded protein response (UPR) and overexpression of cell wall protein and chitin in <i>Aspergillus fumigatus</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 1968-1979.	0.7	29
47	NeuA O-acetyltransferase activity is specific for CMP-activated O-acetyl sialic acid in <i>Streptococcus suis</i> serotype 2. <i>Biochemical and Biophysical Research Communications</i> , 2011, 410, 212-217.	1.0	15
48	Proteome Analysis of <i>Aspergillus fumigatus</i> Total Membrane Proteins Identifies Proteins Associated with the Glycoconjugates and Cell Wall Biosynthesis Using 2D LC-MS/MS. <i>Molecular Biotechnology</i> , 2010, 44, 177-189.	1.3	22
49	Reduced expression of the O-mannosyltransferase 2 (AfPmt2) leads to deficient cell wall and abnormal polarity in <i>Aspergillus fumigatus</i> . <i>Glycobiology</i> , 2010, 20, 542-552.	1.3	17
50	Comparative proteomic analysis of an <i>Aspergillus fumigatus</i> mutant deficient in glucosidase I (AfCwh41). <i>Microbiology (United Kingdom)</i> , 2009, 155, 2157-2167.	0.7	18
51	Characterization of the <i>Aspergillus fumigatus</i> phosphomannose isomerase Pmi1 and its impact on cell wall synthesis and morphogenesis. <i>Microbiology (United Kingdom)</i> , 2009, 155, 3281-3293.	0.7	33
52	Class IIC $\beta$ -mannosidase AfAms1 is required for morphogenesis and cellular function in <i>Aspergillus fumigatus</i> . <i>Glycobiology</i> , 2009, 19, 624-632.	1.3	8
53	Mutation of Trp137 to glutamate completely removes transglycosyl activity associated with the <i>Aspergillus fumigatus</i> AfChiB1. <i>Glycoconjugate Journal</i> , 2009, 26, 525-534.	1.4	24
54	Af <i>cwh41</i> is required for cell wall synthesis, conidiation, and polarity in <i>Aspergillus fumigatus</i> . <i>FEMS Microbiology Letters</i> , 2008, 289, 155-165.	0.7	23

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55	GDP-mannose pyrophosphorylase is essential for cell wall integrity, morphogenesis and viability of <i>Aspergillus fumigatus</i> . <i>Microbiology (United Kingdom)</i> , 2008, 154, 2730-2739.	0.7	30
56	Deletion of the <i>msdS/AfmsdC</i> gene induces abnormal polarity and septation in <i>Aspergillus fumigatus</i> . <i>Microbiology (United Kingdom)</i> , 2008, 154, 1960-1972.	0.7	19
57	<i>O</i> -Mannosyltransferase 1 in <i>Aspergillus fumigatus</i> (AfPmt1p) Is Crucial for Cell Wall Integrity and Conidium Morphology, Especially at an Elevated Temperature. <i>Eukaryotic Cell</i> , 2007, 6, 2260-2268.	3.4	63
58	Glycosylphosphatidylinositol (GPI) anchor is required in <i>Aspergillus fumigatus</i> for morphogenesis and virulence. <i>Molecular Microbiology</i> , 2007, 64, 1014-1027.	1.2	66
59	CMP-N-Acetylneuraminic Acid Synthetase from <i>Escherichia coli</i> K1 Is a Bifunctional Enzyme. <i>Journal of Biological Chemistry</i> , 2004, 279, 17738-17749.	1.6	31
60	Crystallization and preliminary crystallographic analysis of a native chitinase from the fungal pathogen <i>Aspergillus fumigatus</i> YJ-407. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 939-940.	2.5	6
61	Synthesis of 2-chloro-4-nitrophenyl $\beta$ -D-fucopyranoside: a substrate for $\beta$ -D-fucosidase (AFU). <i>Carbohydrate Research</i> , 2003, 338, 1603-1607.	1.1	15
62	A novel chitinase having a unique mode of action from <i>Aspergillus fumigatus</i> YJ-407. <i>FEBS Journal</i> , 2001, 268, 4079-4085.	0.2	79
63	Cloning and overexpression of a cytidine 5'-monophosphate N-acetylneuraminic acid synthetase from <i>Escherichia coli</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2000, 10, 199-206.	1.8	5
64	Stage-specific expression of $\alpha$ 1,2-fucosyltransferase and $\alpha$ 1,3-fucosyltransferase (FT) during mouse embryogenesis. <i>FEBS Journal</i> , 1999, 265, 258-263.	0.2	16
65	Molecular cloning and expression of Gal $\beta$ 1,3GalNAc $\alpha$ 2,3-sialyltransferase from human fetal liver. <i>FEBS Journal</i> , 1999, 265, 580-588.	0.2	17
66	Effect of N-Linked Oligosaccharide on the Conformation and Properties of Glucoamylase from <i>Monascus rubiginosus</i> . <i>Annals of the New York Academy of Sciences</i> , 1996, 799, 193-196.	1.8	0