Cheng Jin

List of Publications by Year
in descending order

66 papers	5,870 citations	361388 20 h-index	114455 63 g-index
74 all docs	74 docs citations	74 times ranked	14805 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 Aspergillus fumigatus. Fungal Genetics and Biology, 2022, 158, 103638.	2.1	5
2	Novel Insights Into the Sulfated Glucuronic Acid-Based Anti-SARS-CoV-2 Mechanism of Exopolysaccharides From Halophilic Archaeon Haloarcula hispanica. Frontiers in Chemistry, 2022, 10, 871509.	3.6	5
3	Loss of NSE-4 Perturbs Genome Stability and DNA Repair in Caenorhabditis elegans. International Journal of Molecular Sciences, 2022, 23, 7202.	4.1	3
4	Galactofuranose (Galf)-containing sugar chain contributes to the hyphal growth, conidiation and virulence of F. oxysporum f.sp. cucumerinum. PLoS ONE, 2021, 16, e0250064.	2.5	4
5	A Thermotolerant Marine Bacillus amyloliquefaciens S185 Producing Iturin A5 for Antifungal Activity against Fusarium oxysporum f. sp. cubense. Marine Drugs, 2021, 19, 516.	4.6	14
6	A unique cell wall synthetic response evoked by glucosamine determines pathogenicity-associated fungal cellular differentiation. PLoS Genetics, 2021, 17, e1009817.	3.5	12
7	Caenorhabditis elegans as an Infection Model for Pathogenic Mold and Dimorphic Fungi: Applications and Challenges. Frontiers in Cellular and Infection Microbiology, 2021, 11, 751947.	3.9	6
8	A molecular vision of fungal cell wall organization by functional genomics and solid-state NMR. Nature Communications, 2021, 12, 6346.	12.8	54
9	Bioactive Phytochemicals with Anti-Aging and Lifespan Extending Potentials in Caenorhabditis elegans. Molecules, 2021, 26, 7323.	3.8	27
10	Deficiency of GPI Glycan Modification by Ethanolamine Phosphate Results in Increased Adhesion and Immune Resistance of Aspergillus fumigatus. Frontiers in Cellular and Infection Microbiology, 2021, 11, 780959.	3.9	2
11	O -Acetylation of Capsular Polysialic Acid Enables Escherichia coli K1 Escaping from Siglec-Mediated Innate Immunity and Lysosomal Degradation of E. coli -Containing Vacuoles in Macrophage-Like Cells. Microbiology Spectrum, 2021, 9, e0039921.	3.0	1
12	Genetical and O-glycoproteomic analyses reveal the roles of three protein O-mannosyltransferases in phytopathogen Fusarium oxysporum f.sp. cucumerinum. Fungal Genetics and Biology, 2020, 134, 103285.	2.1	9
13	Chitin deacetylases Cod4 and Cod7 are involved in polar growth of Aspergillus fumigatus. MicrobiologyOpen, 2020, 9, e00943.	3.0	8
14	Enhanced glycosylation of an Sâ€layer protein enables a psychrophilic methanogenic archaeon to adapt to elevated temperatures in abundant substrates. FEBS Letters, 2020, 594, 665-677.	2.8	13
15	Marine Bioactive Compounds against Aspergillus fumigatus: Challenges and Future Prospects. Antibiotics, 2020, 9, 813.	3.7	5
16	Protein O-mannosylation affects protein secretion, cell wall integrity and morphogenesis in Trichoderma reesei. Fungal Genetics and Biology, 2020, 144, 103440.	2.1	5
17	Agl22 and Agl23 are involved in the synthesis and utilization of the lipidâ€linked intermediates in the glycosylation pathways of the halophilic archaeaonHaloarcula hispanica. Molecular Microbiology, 2020, 114, 762-774.	2.5	5
18	Cell wall polysaccharides from pathogenic fungi for diagnosis of fungal infectious disease. Mycoses, 2020, 63, 644-652.	4.0	6

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19	Aspergillus fumigatus Mitochondrial Acetyl Coenzyme A Acetyltransferase as an Antifungal Target. Applied and Environmental Microbiology, 2020, 86, .	3.1	15
20	Effects of various inhibitory substances and immobilization on ethanol production efficiency of a thermotolerant Pichia kudriavzevii. Biotechnology for Biofuels, 2020, 13, 91.	6.2	22
21	Caenorhabditis elegans-Based Aspergillus fumigatus Infection Model for Evaluating Pathogenicity and Drug Efficacy. Frontiers in Cellular and Infection Microbiology, 2020, 10, 320.	3.9	17
22	Covid-19 Outbreak on The Rise - Anticipating Treatment Strategy. Acta Scientific Microbiology, 2020, 3, 28-33.	0.1	0
23	Aspergillus fumigatus phosphoethanolamine transferase gene gpi7 is required for proper transportation of the cell wall GPI-anchored proteins and polarized growth. Scientific Reports, 2019, 9, 5857.	3.3	6
24	Aspergillus fumigatus Mnn9 is responsible for mannan synthesis and required for covalent linkage of mannoprotein to the cell wall. Fungal Genetics and Biology, 2019, 128, 20-28.	2.1	9
25	NDM-1 encoded by a pNDM-HN380-like plasmid pNDM-BJ03 in clinical Enterobacter cloacae. Diagnostic Microbiology and Infectious Disease, 2018, 90, 153-155.	1.8	6
26	Decalin-Containing Tetramic Acids and 4-Hydroxy-2-pyridones with Antimicrobial and Cytotoxic Activity from the Fungus Coniochaeta cephalothecoides Collected in Tibetan Plateau (Medog). Journal of Organic Chemistry, 2017, 82, 11474-11486.	3.2	35
27	Genetics, Molecular, and Proteomics Advances in Filamentous Fungi. Current Microbiology, 2017, 74, 1226-1236.	2.2	6
28	WciG O -Acetyltransferase Functionality Differentiates Pneumococcal Serotypes 35C and 42. Journal of Clinical Microbiology, 2017, 55, 2775-2784.	3.9	16
29	An Acidic Exopolysaccharide fromHaloarcula hispanicaATCC33960 and Two Genes Responsible for Its Synthesis. Archaea, 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 Aspergillus fumigatus. Journal of Proteome Research, 2016, 15, 4387-4402.	3.7	16
31	Cell Surface Glycoside Hydrolases of Streptococcus gordonii Promote Growth in Saliva. Applied and Environmental Microbiology, 2016, 82, 5278-5286.	3.1	9
32	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
33	Enhanced production of polysialic acid by metabolic engineering of Escherichia coli. Applied Microbiology and Biotechnology, 2015, 99, 2603-2611.	3.6	13
34	Identification of the S-layer glycoproteins and their covalently linked glycans in the halophilic archaeonHaloarcula hispanica. Glycobiology, 2015, 25, 1150-1162.	2.5	17
35	Kexin-like endoprotease KexB is required for N-glycan processing, morphogenesis and virulence in Aspergillus fumigatus. Fungal Genetics and Biology, 2015, 76, 57-69.	2.1	21
36	Transcription Factor ADS-4 Regulates Adaptive Responses and Resistance to Antifungal Azole Stress. Antimicrobial Agents and Chemotherapy, 2015, 59, 5396-5404.	3.2	25

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37	Characterization of genes for chitin catabolism in Haloferax mediterranei. Applied Microbiology and Biotechnology, 2014, 98, 1185-1194.	3.6	34
38	pyrG is required for maintaining stable cellular uracil level and normal sporulation pattern under excess uracil stress in Aspergillus nidulans. Science China Life Sciences, 2013, 56, 467-475.	4.9	9
39	Genetic and structural validation of <scp>A</scp>spergillus fumigatusâ€...<scp>UDP</scp>â€<scp>N</scp>â€acetylglucosamine pyrophosphorylase as an antifungal target. Molecular Microbiology, 2013, 89, 479-493.	2.5	29
40	Glycosynthase with Broad Substrate Specificity â€“ an Efficient Biocatalyst for the Construction of Oligosaccharide Library. European Journal of Organic Chemistry, 2013, 2013, 2414-2419.	2.4	13
41	One Single Basic Amino Acid at the Ï‰-1 or Ï‰-2 Site Is a Signal That Retains Glycosylphosphatidylinositol-Anchored Protein in the Plasma Membrane of Aspergillus fumigatus. Eukaryotic Cell, 2013, 12, 889-899.	3.4	18
42	Genetic and structural validation of Aspergillus fumigatus N-acetylphosphoglucosamine mutase as an antifungal target. Bioscience Reports, 2013, 33, .	2.4	22
43	N-Glycosylation of Gel1 or Gel2 is vital for cell wall Â-glucan synthesis in Aspergillus fumigatus. Glycobiology, 2013, 23, 955-968.	2.5	13
44	Transcriptome and Biochemical Analysis Reveals That Suppression of GPI-Anchor Synthesis Leads to Autophagy and Possible Necroptosis in Aspergillus fumigatus. PLoS ONE, 2013, 8, e59013.	2.5	28
45	Protein Glycosylation inAspergillus fumigatusIs Essential for Cell Wall Synthesis and Serves as a Promising Model of Multicellular Eukaryotic Development. International Journal of Microbiology, 2012, 2012, 1-21.	2.3	32
46	Repression of N-glycosylation triggers the unfolded protein response (UPR) and overexpression of cell wall protein and chitin in Aspergillus fumigatus. Microbiology (United Kingdom), 2011, 157, 1968-1979.	1.8	29
47	NeuA O-acetylesterase activity is specific for CMP-activated O-acetyl sialic acid in Streptococcus suis serotype 2. Biochemical and Biophysical Research Communications, 2011, 410, 212-217.	2.1	15
48	Proteome Analysis of Aspergillus fumigatus Total Membrane Proteins Identifies Proteins Associated with the Glycoconjugates and Cell Wall Biosynthesis Using 2D LC-MS/MS. Molecular Biotechnology, 2010, 44, 177-189.	2.4	22
49	Reduced expression of the O-mannosyltransferase 2 (AfPmt2) leads to deficient cell wall and abnormal polarity in Aspergillus fumigatus. Glycobiology, 2010, 20, 542-552.	2.5	17
50	Comparative proteomic analysis of an Aspergillus fumigatus mutant deficient in glucosidase I (AfCwh41). Microbiology (United Kingdom), 2009, 155, 2157-2167.	1.8	18
51	Characterization of the Aspergillus fumigatus phosphomannose isomerase Pmi1 and its impact on cell wall synthesis and morphogenesis. Microbiology (United Kingdom), 2009, 155, 3281-3293.	1.8	33
52	Class IIC Â-mannosidase AfAms1 is required for morphogenesis and cellular function in Aspergillus fumigatus. Glycobiology, 2009, 19, 624-632.	2.5	8
53	Mutation of Trp137 to glutamate completely removes transglycosyl activity associated with the Aspergillus fumigatus AfChiB1. Glycoconjugate Journal, 2009, 26, 525-534.	2.7	24
54	Afcwh41is required for cell wall synthesis, conidiation, and polarity inAspergillus fumigatus. FEMS Microbiology Letters, 2008, 289, 155-165.	1.8	23

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55	GDP-mannose pyrophosphorylase is essential for cell wall integrity, morphogenesis and viability of Aspergillus fumigatus. Microbiology (United Kingdom), 2008, 154, 2730-2739.	1.8	30
56	Deletion of the msdS/AfmsdC gene induces abnormal polarity and septation in Aspergillus fumigatus. Microbiology (United Kingdom), 2008, 154, 1960-1972.	1.8	19
57	O -Mannosyltransferase 1 in Aspergillus fumigatus (AfPmt1p) Is Crucial for Cell Wall Integrity and Conidium Morphology, Especially at an Elevated Temperature. Eukaryotic Cell, 2007, 6, 2260-2268.	3.4	63
58	Glycosylphosphatidylinositol (GPI) anchor is required in Aspergillus fumigatus for morphogenesis and virulence. Molecular Microbiology, 2007, 64, 1014-1027.	2.5	66
59	CMP-N-Acetylneuraminic Acid Synthetase from Escherichia coli K1 Is a Bifunctional Enzyme. Journal of Biological Chemistry, 2004, 279, 17738-17749.	3.4	31
60	Crystallization and preliminary crystallographic analysis of a native chitinase from the fungal pathogenAspergillus fumigatusYJ-407. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 939-940.	2.5	6
61	Synthesis of 2-chloro-4-nitrophenyl Î±-l-fucopyranoside: a substrate for Î±-l-fucosidase (AFU). Carbohydrate Research, 2003, 338, 1603-1607.	2.3	15
62	A novel chitinase having a unique mode of action fromAspergillus fumigatusYJ-407. FEBS Journal, 2001, 268, 4079-4085.	0.2	79
63	Cloning and overexpression of a cytidine 5â€²-monophosphate N-acetylneuraminic acid synthetase from Escherichia coli. Journal of Molecular Catalysis B: Enzymatic, 2000, 10, 199-206.	1.8	5
64	Stage-specific expression of alpha1,2-fucosyltransferase and alpha1,3-fucosyltransferase (FT) during mouse embryogenesis. FEBS Journal, 1999, 265, 258-263.	0.2	16
65	Molecular cloning and expression of Galbeta1,3GalNAc alpha2,3-sialyltransferase from human fetal liver. FEBS Journal, 1999, 265, 580-588.	0.2	17
66	Effect of N-Linked Oligosaccharide on the Conformation and Properties of Glucoamylase from Monascus rubiginosus. Annals of the New York Academy of Sciences, 1996, 799, 193-196.	3.8	0