

Wei-Xin Zhang

List of Publications by Year in descending order

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papers

805
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759233

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#	ARTICLE	IF	CITATIONS
1	Two Major Facilitator Superfamily Sugar Transporters from <i>Trichoderma reesei</i> and Their Roles in Induction of Cellulase Biosynthesis. <i>Journal of Biological Chemistry</i> , 2013, 288, 32861-32872.	3.4	153
2	Differential Involvement of β -Glucosidases from <i>Hypocrea jecorina</i> in Rapid Induction of Cellulase Genes by Cellulose and Cellobiose. <i>Eukaryotic Cell</i> , 2012, 11, 1371-1381.	3.4	100
3	Characterization of a copper responsive promoter and its mediated overexpression of the xylanase regulator 1 results in an induction-independent production of cellulases in <i>Trichoderma reesei</i> . <i>Biotechnology for Biofuels</i> , 2015, 8, 67.	6.2	95
4	Rce1, a novel transcriptional repressor, regulates cellulase gene expression by antagonizing the transactivator Xyr1 in <i>Trichoderma reesei</i> . <i>Molecular Microbiology</i> , 2017, 105, 65-83.	2.5	93
5	<i>Trichoderma reesei</i> XYR1 recruits SWI/SNF to facilitate cellulase gene expression. <i>Molecular Microbiology</i> , 2019, 112, 1145-1162.	2.5	47
6	A novel transcriptional regulator RXE1 modulates the essential transactivator XYR1 and cellulase gene expression in <i>Trichoderma reesei</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4511-4523.	3.6	38
7	Characterization of a family 5 glycoside hydrolase isolated from the outer membrane of cellulolytic <i>Cytophaga hutchinsonii</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 3925-3937.	3.6	37
8	The mating type locus protein MAT1-2-1 of <i>Trichoderma reesei</i> interacts with Xyr1 and regulates cellulase gene expression in response to light. <i>Scientific Reports</i> , 2017, 7, 17346.	3.3	37
9	Identification of residues important for substrate uptake in a glucose transporter from the filamentous fungus <i>Trichoderma reesei</i> . <i>Scientific Reports</i> , 2015, 5, 13829.	3.3	25
10	A copper-controlled RNA interference system for reversible silencing of target genes in <i>Trichoderma reesei</i> . <i>Biotechnology for Biofuels</i> , 2018, 11, 33.	6.2	18
11	<i>Trichoderma reesei</i> XYR1 activates cellulase gene expression via interaction with the Mediator subunit TrGAL11 to recruit RNA polymerase II. <i>PLoS Genetics</i> , 2020, 16, e1008979.	3.5	18
12	Interdependent recruitment of CYC8/TUP1 and the transcriptional activator XYR1 at target promoters is required for induced cellulase gene expression in <i>Trichoderma reesei</i> . <i>PLoS Genetics</i> , 2021, 17, e1009351.	3.5	16
13	Influences of genetically perturbing synthesis of the typical yellow pigment on conidiation, cell wall integrity, stress tolerance, and cellulase production in <i>Trichoderma reesei</i> . <i>Journal of Microbiology</i> , 2021, 59, 426-434.	2.8	14
14	CLP1, a Novel Plant Homeo Domain Protein, Participates in Regulating Cellulase Gene Expression in the Filamentous Fungus <i>Trichoderma reesei</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1700.	3.5	13
15	Identification and characterization of a novel locus in <i>Cytophaga hutchinsonii</i> involved in colony spreading and cellulose digestion. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4321-4331.	3.6	12
16	Reformulating the Hydrolytic Enzyme Cocktail of <i>Trichoderma reesei</i> by Combining XYR1 Overexpression and Elimination of Four Major Cellulases to Improve Saccharification of Corn Fiber. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 211-222.	5.2	12
17	A small periplasmic protein essential for <i>Cytophaga hutchinsonii</i> cellulose digestion. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1935-1944.	3.6	11
18	The Putative Methyltransferase TILAE1 Is Involved in the Regulation of Peptaibols Production in the Biocontrol Fungus <i>Trichoderma longibrachiatum</i> SMF2. <i>Frontiers in Microbiology</i> , 2020, 11, 1267.	3.5	11

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19	Dual Regulatory Role of Chromatin Remodeler ISW1 in Coordinating Cellulose and Secondary Metabolite Biosynthesis in <i>Trichoderma reesei</i> . <i>MBio</i> , 2022, 13, e0345621.	4.1	11
20	Structural Insights into the Multispecific Recognition of Dipeptides of Deep-Sea Gram-Negative Bacterium <i>Pseudoalteromonas</i> sp. Strain SM9913. <i>Journal of Bacteriology</i> , 2015, 197, 1125-1134.	2.2	10
21	Characterization of a highly stable β -galactosidase from thermophilic <i>Rasamsonia emersonii</i> heterologously expressed in a modified <i>Pichia pastoris</i> expression system. <i>Microbial Cell Factories</i> , 2019, 18, 180.	4.0	10
22	Enhancing peptaibols production in the biocontrol fungus <i>Trichoderma longibrachiatum</i> SMF2 by elimination of a putative glucose sensor. <i>Biotechnology and Bioengineering</i> , 2019, 116, 3030-3040.	3.3	9
23	An Extracytoplasmic Function Sigma Factor Controls Cellulose Utilization by Regulating the Expression of an Outer Membrane Protein in <i>Cytophaga hutchinsonii</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	6
24	Domains III and I-2 β , at the Entrance of the Binding Cleft, Play an Important Role in Cold Adaptation of the Periplasmic Dipeptide-Binding Protein (DppA) from the Deep-Sea Psychrophilic Bacterium <i>Pseudoalteromonas</i> sp. Strain SM9913. <i>Applied and Environmental Microbiology</i> , 2010, 76, 4354-4361.	3.1	5
25	Biochemical characterization of a thermophilic exo-arabinanase from the filamentous fungus <i>Rasamsonia emersonii</i> . <i>Journal of Bioscience and Bioengineering</i> , 2022, 133, 316-322.	2.2	2
26	Elimination of the Sugar Transporter GAT1 Increased Xylanase I Production in <i>Trichoderma reesei</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 810066.	3.5	2