Zhonghua Liu

List of Publications by Year
in descending order

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		687363	713466
27	448	13	21
papers	citations	h-index	g-index

28	28	28	313
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chitinases Play a Key Role in Stipe Cell Wall Extension in the Mushroom Coprinopsis cinerea. Applied and Environmental Microbiology, 2019, 85, .	3.1	35
2	Endo-Î²-1,3-glucanase digestion combined with the HPAEC-PAD-MS/MS analysis reveals the structural differences between two laminarins with different bioactivities. Carbohydrate Polymers, 2018, 194, 339-349.	10.2	34
3	Purification, characterization and synergism in autolysis of a group of 1,3-Î²-glucan hydrolases from the pilei of Coprinopsis cinerea fruiting bodies. Microbiology (United Kingdom), 2015, 161, 1978-1989.	1.8	31
4	Comparative Study of Nonautolytic Mutant and Wild-Type Strains of Coprinopsis cinerea Supports an Important Role of Glucanases in Fruiting Body Autolysis. Journal of Agricultural and Food Chemistry, 2015, 63, 9609-9614.	5.2	29
5	Different utilizable substrates have different effects on cometabolic fate of imidacloprid in Stenotrophomonas maltophilia. Applied Microbiology and Biotechnology, 2013, 97, 6537-6547.	3.6	28
6	Characterization of stipe elongation of the mushroom Coprinopsis cinerea. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	27
7	Gene cloning, heterologous expression and characterization of a Coprinopsis cinerea endo-Î²-1,3(4)-glucanase. Fungal Biology, 2017, 121, 61-68.	2.5	27
8	Stipe wall extension of Flammulina velutipes could be induced by an expansin-like protein from Helix aspersa. Fungal Biology, 2014, 118, 1-11.	2.5	25
9	Stipe cell wall architecture varies with the stipe elongation of the mushroom Coprinopsis cinerea. Fungal Biology, 2015, 119, 946-956.	2.5	25
10	Purification, characterization and physiological significance of a chitinase from the pilei ofCoprinopsis cinereafruiting bodies. FEMS Microbiology Letters, 2016, 363, fnw120.	1.8	25
11	Glucanase-Induced Stipe Wall Extension Shows Distinct Differences from Chitinase-Induced Stipe Wall Extension of Coprinopsis cinerea. Applied and Environmental Microbiology, 2019, 85, .	3.1	21
12	The molecular mechanism of stipe cell wall extension for mushroom stipe elongation growth. Fungal Biology Reviews, 2021, 35, 14-26.	4.7	20
13	Heterologous expression, characterization and possible functions of the chitin deacetylases, Cda1 and Cda2, from mushroom Coprinopsis cinerea. Glycobiology, 2018, 28, 318-332.	2.5	18
14	A novel thermophilic exochitinase ChiEn3 from Coprinopsis cinerea exhibits a hyperhydrolytic activity toward 85% deacetylated chitosan and a significant application to preparation of chitooligosaccharides from the chitosan. Carbohydrate Polymers, 2019, 207, 729-736.	10.2	13
15	Heterologous expression and characterization of a novel chitin deacetylase, CDA3, from the mushroom Coprinopsis cinerea. International Journal of Biological Macromolecules, 2020, 150, 536-545.	7.5	13
16	ChiE1 from Coprinopsis cinerea is Characterized as a Processive Exochitinase and Revealed to Have a Significant Synergistic Action with Endochitinase ChiII on Chitin Degradation. Journal of Agricultural and Food Chemistry, 2018, 66, 12773-12782.	5.2	11
17	A novel endo-Î²-1,6-glucanase from the mushroom Coprinopsis cinerea and its application in studying of cross-linking of Î²-1,6-glucan and the wall extensibility in stipe cell walls. International Journal of Biological Macromolecules, 2020, 160, 612-622.	7.5	11
18	HPAEC-PAD and Q-TOF-MS/MS analysis reveal a novel mode of action of endo-Î²-1,3(4)-d-glucanase Eng16A from coprinopsis cinerea on barley Î²-glucan. Food Chemistry, 2019, 287, 160-166.	8.2	9

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19	Î²-Glucosidase BGL1 from Coprinopsis cinerea Exhibits a Distinctive Hydrolysis and Transglycosylation Activity for Application in the Production of 3-O-Î²-d-Gentiobiosyl-d-laminarioligosaccharides. Journal of Agricultural and Food Chemistry, 2019, 67, 10744-10755.	5.2	8
20	Comparative study of Î²-glucan-degrading enzymes from Coprinopsis cinerea for their capacities to induce stipe cell wall extension. International Journal of Biological Macromolecules, 2020, 152, 516-524.	7.5	8
21	Characterization of the nonâ€sexual flocculation of fission yeast cells that results from the deletion of ribosomal protein L32. Yeast, 2015, 32, 439-449.	1.7	7
22	Purification, characterization and function analysis of an extracellular Î²-glucosidase from elongating stipe cell walls inCoprinopsis cinerea. FEMS Microbiology Letters, 2016, 363, fnw078.	1.8	6
23	An Aspergillus nidulans endo-Î²-1,3-glucanase exhibited specific catalytic features and was used to prepare 3-O-Î²-cellobiosyl-d-glucose and 3-O-Î²-gentiobiosyl-d-glucose with high antioxidant activity from barley Î²-glucan and laminarin, respectively. International Journal of Biological Macromolecules, 2021, 186, 424-432.	7.5	5
24	Accumulation and cross-linkage of Î²-1,3/1,6-glucan lead to loss of basal stipe cell wall extensibility in mushroom Coprinopsis cinerea. Carbohydrate Polymers, 2021, 259, 117743.	10.2	3
25	Pretreatment with <i>Stenotrophomonas maltophilia</i> CGMCC 1.1788 increased the aphicidal activity of imidacloprid. Journal of Pesticide Sciences, 2013, 38, 139-143.	1.4	2
26	The extracellular Î²-glucosidase BGL2 has two variants with different molecular sizes and hydrolytic activities in the stipe or pilei of Coprinopsis cinerea. Microbiology (United Kingdom), 2021, 167, .	1.8	2
27	MAPK CcSakA of the HOG Pathway Is Involved in Stipe Elongation during Fruiting Body Development in Coprinopsis cinerea. Journal of Fungi (Basel, Switzerland), 2022, 8, 534.	3.5	2