

Tamo Fukamizo

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

535
citations

687363

13
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

466
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic Analysis of Barley Chitinase. Archives of Biochemistry and Biophysics, 1997, 344, 335-342.	3.0	70
2	Novel Î²-N-acetylglucosaminidases from <i>Vibrio harveyi</i> 650: Cloning, expression, enzymatic properties, and subsite identification. BMC Biochemistry, 2010, 11, 40.	4.4	53
3	Cloning and characterization of a small family 19 chitinase from moss (<i>Bryum coronatum</i>). Glycobiology, 2011, 21, 644-654.	2.5	49
4	Chitin-Related Enzymes in Agro-Biosciences. Current Drug Targets, 2012, 13, 442-470.	2.1	43
5	Family 19 chitinase from rice (<i>Oryza sativa</i> L.): substrate-binding subsites demonstrated by kinetic and molecular modeling studies. Plant Molecular Biology, 2003, 52, 43-52.	3.9	42
6	Crystal structure and chitin oligosaccharide-binding mode of a loopful™ family GH19 chitinase from rye, <i>Secale cereale</i> , seeds. FEBS Journal, 2012, 279, 3639-3651.	4.7	42
7	Chitin oligosaccharide binding to a family GH19 chitinase from the moss <i>Bryum coronatum</i> . FEBS Journal, 2011, 278, 3991-4001.	4.7	40
8	Crystal structure of a loopless-GH19 chitinase in complex with chitin tetrasaccharide spanning the catalytic center. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 793-802.	2.3	31
9	Separation and Mutarotation of Anomers of Chitooligosaccharides1. Journal of Biochemistry, 1982, 91, 619-626.	1.7	30
10	Complete subsite mapping of a loopful-GH19 chitinase from rye seeds based on its crystal structure. FEBS Letters, 2013, 587, 2691-2697.	2.8	30
11	Role of the Loop Structure of the Catalytic Domain in Rice Class I Chitinase. Journal of Biochemistry, 2007, 143, 487-495.	1.7	26
12	Periplasmic solute-binding proteins: Structure classification and chitooligosaccharide recognition. International Journal of Biological Macromolecules, 2019, 128, 985-993.	7.5	21
13	A flexible loop controlling the enzymatic activity and specificity in a glycosyl hydrolase family 19 endochitinase from barley seeds (<i>Hordeum vulgare</i> L.). Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1159-1167.	2.3	14
14	Structure and function of a novel periplasmic chitooligosaccharide-binding protein from marine <i>Vibrio</i> bacteria. Journal of Biological Chemistry, 2018, 293, 5150-5159.	3.4	12
15	Enzymatic properties of a GH19 chitinase isolated from rice lacking a major loop structure involved in chitin binding. Glycobiology, 2017, 27, 477-485.	2.5	11
16	Chitin/Chitosan-Active Enzymes Involved in Plant-Microbe Interactions. Advances in Experimental Medicine and Biology, 2019, 1142, 253-272.	1.6	6
17	Multi-functionality of a tryptophan residue conserved in substrate-binding groove of GH19 chitinases. Scientific Reports, 2021, 11, 2494.	3.3	5
18	A conserved loop structure of GH19 chitinases assists the enzyme function from behind the core-functional region. Glycobiology, 2022, 32, 356-364.	2.5	4

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19	A structural model for (GlcNAc) ₂ translocation via a periplasmic chitooligosaccharide-binding protein from marine <i>Vibrio</i> bacteria. <i>Journal of Biological Chemistry</i> , 2021, 297, 101071.	3.4	3
20	Resonance assignments for the apo-form of the cellulose-active lytic polysaccharide monoxygenase TaLPMO9A. <i>Biomolecular NMR Assignments</i> , 2018, 12, 357-361.	0.8	2
21	An Introduction to the Book. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1142, 1-4.	1.6	1
22	[Review] Protein Engineering Studies on Chitinase ^{1/4} Chitosanase to Create a Novel Enzyme Function. <i>Bulletin of Applied Glycoscience</i> , 2018, 8, 33-44.	0.0	0