

Tamo Fukamizo

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A conserved loop structure of GH19 chitinases assists the enzyme function from behind the core-functional region. <i>Glycobiology</i> , 2022, 32, 356-364. | 2.5 | 4 |
| 2 | Multi-functionality of a tryptophan residue conserved in substrate-binding groove of GH19 chitinases. <i>Scientific Reports</i> , 2021, 11, 2494. | 3.3 | 5 |
| 3 | 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 |
| 4 | Chitin/Chitosan-Active Enzymes Involved in Plant-Microbe Interactions. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1142, 253-272. | 1.6 | 6 |
| 5 | An Introduction to the Book. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1142, 1-4. | 1.6 | 1 |
| 6 | Periplasmic solute-binding proteins: Structure classification and chitooligosaccharide recognition. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 985-993. | 7.5 | 21 |
| 7 | Structure and function of a novel periplasmic chitooligosaccharide-binding protein from marine <i>Vibrio</i> bacteria. <i>Journal of Biological Chemistry</i> , 2018, 293, 5150-5159. | 3.4 | 12 |
| 8 | Resonance assignments for the apo-form of the cellulose-active lytic polysaccharide monooxygenase TaLPMO9A. <i>Biomolecular NMR Assignments</i> , 2018, 12, 357-361. | 0.8 | 2 |
| 9 | [Review] Protein Engineering Studies on Chitinase/Chitosanase to Create a Novel Enzyme Function. <i>Bulletin of Applied Glycoscience</i> , 2018, 8, 33-44. | 0.0 | 0 |
| 10 | Enzymatic properties of a GH19 chitinase isolated from rice lacking a major loop structure involved in chitin binding. <i>Glycobiology</i> , 2017, 27, 477-485. | 2.5 | 11 |
| 11 | Crystal structure of a loopless-GH19 chitinase in complex with chitin tetrasaccharide spanning the catalytic center. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 793-802. | 2.3 | 31 |
| 12 | Complete subsite mapping of a loopful-GH19 chitinase from rye seeds based on its crystal structure. <i>FEBS Letters</i> , 2013, 587, 2691-2697. | 2.8 | 30 |
| 13 | Chitin-Related Enzymes in Agro-Biosciences. <i>Current Drug Targets</i> , 2012, 13, 442-470. | 2.1 | 43 |
| 14 | Crystal structure and chitin oligosaccharide-binding mode of a loopful family GH19 chitinase from rye, <i>Secale cereale</i> , seeds. <i>FEBS Journal</i> , 2012, 279, 3639-3651. | 4.7 | 42 |
| 15 | Chitin oligosaccharide binding to a family GH19 chitinase from the moss <i>Bryum coronatum</i> . <i>FEBS Journal</i> , 2011, 278, 3991-4001. | 4.7 | 40 |
| 16 | Cloning and characterization of a small family 19 chitinase from moss (<i>Bryum coronatum</i>). <i>Glycobiology</i> , 2011, 21, 644-654. | 2.5 | 49 |
| 17 | Novel Î ² -N-acetylglucosaminidases from <i>Vibrio harveyi</i> 650: Cloning, expression, enzymatic properties, and subsite identification. <i>BMC Biochemistry</i> , 2010, 11, 40. | 4.4 | 53 |
| 18 | A flexible loop controlling the enzymatic activity and specificity in a glycosyl hydrolase family 19 endochitinase from barley seeds (<i>Hordeum vulgare</i> L.). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1159-1167. | 2.3 | 14 |

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|----|---|-----|-----------|
| 19 | Role of the Loop Structure of the Catalytic Domain in Rice Class I Chitinase. <i>Journal of Biochemistry</i> , 2007, 143, 487-495. | 1.7 | 26 |
| 20 | Family 19 chitinase from rice (<i>Oryza sativa</i> L.): substrate-binding subsites demonstrated by kinetic and molecular modeling studies. <i>Plant Molecular Biology</i> , 2003, 52, 43-52. | 3.9 | 42 |
| 21 | Kinetic Analysis of Barley Chitinase. <i>Archives of Biochemistry and Biophysics</i> , 1997, 344, 335-342. | 3.0 | 70 |
| 22 | Separation and Mutarotation of Anomers of Chitooligosaccharides1. <i>Journal of Biochemistry</i> , 1982, 91, 619-626. | 1.7 | 30 |