

Hayuki Sugimoto

List of Publications by Year in descending order

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18
papers

361
citations

933447

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839539

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19
docs citations

19
times ranked

401
citing authors

#	ARTICLE	IF	CITATIONS
1	Unfolding of CBP21, a lytic polysaccharide monooxygenase, without dissociation of its copper ion cofactor. <i>Biopolymers</i> , 2020, 111, e23339.	2.4	6
2	Chitinase system of <i>Aeromonas salmonicida</i> , and characterization of enzymes involved in chitin degradation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 1936-1947.	1.3	14
3	Identification and characterization of chitinolytic bacteria isolated from a freshwater lake. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 343-355.	1.3	20
4	Rate constants, processivity, and productive binding ratio of chitinase A revealed by single-molecule analysis. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3010-3018.	2.8	24
5	A novel chitin-binding mode of the chitin-binding domain of chitinase A1 from <i>Bacillus circulans</i> WL-12 revealed by solid-state NMR. <i>FEBS Letters</i> , 2018, 592, 3173-3182.	2.8	11
6	Regulation of the chitin degradation and utilization system by the ChiX small RNA in <i>Serratia marcescens</i> 2170. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 376-385.	1.3	11
7	Differences in the roles of the two surface-exposed tyrosine residues, Y240 and Y481, of <i>Serratia marcescens</i> chitinase B during processive degradation of crystalline chitin. <i>Journal of General and Applied Microbiology</i> , 2015, 61, 255-261.	0.7	2
8	Construction and basic characterization of deletion mutants of the genes involved in chitin utilization by <i>Serratia marcescens</i> 2170. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 524-532.	1.3	11
9	Two-way traffic of glycoside hydrolase family 18 processive chitinases on crystalline chitin. <i>Nature Communications</i> , 2014, 5, 3975.	12.8	82
10	Identification of a Csr system in <i>Serratia marcescens</i> 2170. <i>Journal of General and Applied Microbiology</i> , 2014, 60, 79-88.	0.7	14
11	Involvement of Gln679, in addition to Trp687, in chitin-binding activity of the chitin-binding domain of chitinase A1 from <i>Bacillus circulans</i> WL-12. <i>Journal of Biochemistry</i> , 2013, 154, 185-193.	1.7	12
12	Regulation of Chitinase Production by the 5'-Untranslated Region of the <i>ybfM</i> in <i>Serratia marcescens</i> 2170. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 1920-1924.	1.3	5
13	NMR Analysis of a Kinetically Trapped Intermediate of a Disulfide-Deficient Mutant of the Starch-Binding Domain of Glucoamylase. <i>Journal of Molecular Biology</i> , 2011, 412, 304-315.	4.2	1
14	Phosphocholine-Containing Glycosyl Inositol-Phosphoceramides from <i>Trichoderma viride</i> Induce Defense Responses in Cultured Rice Cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 74-78.	1.3	11
15	Kinetically trapped metastable intermediate of a disulfide-deficient mutant of the starch-binding domain of glucoamylase. <i>Protein Science</i> , 2009, 18, 1715-1723.	7.6	6
16	Structural and Thermodynamic Analyses of Solute-binding Protein from <i>Bifidobacterium longum</i> Specific for Core 1 Disaccharide and Lacto-N-biose I. <i>Journal of Biological Chemistry</i> , 2008, 283, 13165-13173.	3.4	111
17	Thermodynamic Effects of Disulfide Bond on Thermal Unfolding of the Starch-Binding Domain of <i>Aspergillus niger</i> Glucoamylase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 1535-1541.	1.3	9
18	Differential Scanning Calorimetry of the Effects of Ca ²⁺ on the Thermal Unfolding of <i>Pseudomonas cepacia</i> Lipase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 207-210.	1.3	11