Kiyohiko Igarashi

List of Publications by Year in descending order

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		57758	60623
168	7,389	44	81
papers	citations	h-index	g-index

172	172	172	6942
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glucomannan and beta-glucan degradation by Mytilus edulis Cel45A: Crystal structure and activity comparison with GH45 subfamily A, B and C. Carbohydrate Polymers, 2022, 277, 118771.	10.2	3
2	Enzymatic synthesis of cellulose in space: gravity is a crucial factor for building cellulose II gel structure. Cellulose, 2022, 29, 2999-3015.	4.9	5
3	Comparison of Glycoside Hydrolase family 3 Î²-xylosidases from basidiomycetes and ascomycetes reveals evolutionarily distinct xylan degradation systems. Journal of Biological Chemistry, 2022, , 101670.	3.4	7
4	Acetylated Xylan Degradation by Glycoside Hydrolase Family 10 and 11 Xylanases from the White-rot Fungus <i>Phanerochaete chrysosporium</i>. Journal of Applied Glycoscience (1999), 2022, 69, 35-43.	0.7	7
5	An amperometric biosensor of L-fucose in urine for the first screening test of cancer. Biosensors and Bioelectronics, 2021, 174, 112831.	10.1	24
6	Expression of Recombinant Fungal Proteins in Pichia Pastoris. , 2021, , 518-527.		0
7	Role of Tryptophan 38 in Loading Substrate Chain into the Active-site Tunnel of Cellobiohydrolase I from <i>Trichoderma reesei</i>. Journal of Applied Glycoscience (1999), 2021, 68, 19-29.	0.7	2
8	Enhanced Self-Assembly and Mechanical Properties of Cellulose-Based Triblock Copolymers: Comparisons with Amylose-Based Triblock Copolymers. ACS Sustainable Chemistry and Engineering, 2021, 9, 9779-9788.	6.7	8
9	Discovery of a novel quinohemoprotein from a eukaryote and its application in electrochemical devices. Bioelectrochemistry, 2020, 131, 107372.	4.6	10
10	Bioelectrocatalysis based on direct electron transfer of fungal pyrroloquinoline quinone-dependent dehydrogenase lacking the cytochrome domain. Electrochimica Acta, 2020, 359, 136982.	5.2	10
11	Convergent evolution of processivity in bacterial and fungal cellulases. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19896-19903.	7.1	31
12	Substrate-recognition mechanism of tomato Î²-galactosidase 4 using X-ray crystallography and docking simulation. Planta, 2020, 252, 72.	3.2	3
13	In Vitro Synthesis and Self-Assembly of Cellulose II Nanofibrils Catalyzed by the Reverse Reaction of Clostridium thermocellum Cellodextrin Phosphorylase. Biomacromolecules, 2020, 21, 4355-4364.	5.4	15
14	Domain architecture divergence leads to functional divergence in binding and catalytic domains of bacterial and fungal cellobiohydrolases. Journal of Biological Chemistry, 2020, 295, 14606-14617.	3.4	11
15	Unique active-site and subsite features in the arabinogalactan-degrading GH43 exo-Î²-1,3-galactanase from Phanerochaete chrysosporium. Journal of Biological Chemistry, 2020, 295, 18539-18552.	3.4	3
16	Evaluation of Ammonia Pretreatment for Enzymatic Hydrolysis of Sugarcane Bagasse to Recover Xylooligosaccharides. Journal of Applied Glycoscience (1999), 2020, 67, 17-22.	0.7	4
17	Structural analysis of Î²â€Lâ€arabinobioseâ€binding protein in the metabolic pathway of hydroxyprolineâ€rich glycoproteins inBifidobacterium longum. FEBS Journal, 2020, 287, 5114-5129.	4.7	7
18	The Lipomyces starkeyi gene Ls120451 encodes a cellobiose transporter that enables cellobiose fermentation in Saccharomyces cerevisiae. FEMS Yeast Research, 2020, 20, .	2.3	6

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19	Effect of C-6 Methylol Groups on Substrate Recognition of Glucose/Xylose Mixed Oligosaccharides by Cellobiose Dehydrogenase from the Basidiomycete Phanerochaete chrysosporium. Journal of Applied Glycoscience (1999), 2020, 67, 51-57.	0.7	2
20	Mutation of cysteine residues increases heterologous expression of peach expansin in the methylotrophic yeast Pichia pastoris. Plant Biotechnology, 2020, 37, 397-403.	1.0	4
21	Molecular analysis of cyclic Î±-maltosyl-(1â†'6)-maltose binding protein in the bacterial metabolic pathway. PLoS ONE, 2020, 15, e0241912.	2.5	3
22	Thermostable Mutants of Glycoside Hydrolase Family 6 Cellobiohydrolase from the Basidiomycete. Journal of Applied Glycoscience (1999), 2020, 67, 79-86.	0.7	1
23	Single Amino Acid Mutation of Pyranose 2-Oxidase Results in Increased Specificity for Diabetes Biomarker 1,5-Anhydro-D-Glucitol. Journal of Applied Glycoscience (1999), 2020, 67, 73-78.	0.7	0
24	Single Amino Acid Mutation of Pyranose 2-Oxidase Results in Increased Specificity for Diabetes Biomarker 1,5-Anhydro-D-Glucitol. Journal of Applied Glycoscience (1999), 2020, 67, 73-78.	0.7	0
25	Thermostable Mutants of Glycoside Hydrolase Family 6 Cellobiohydrolase from the Basidiomycete <i>Phanerochaete chrysosporium</i>. Journal of Applied Glycoscience (1999), 2020, 67, 79-86.	0.7	4
26	Protein components of water extracts from fruiting bodies of the reishi mushroom Ganoderma lucidum contribute to the production of functional molecules. Journal of the Science of Food and Agriculture, 2019, 99, 529-535.	3.5	17
27	Origin and Diversity of Wood Decay Fungi Revealed by Genome-Based Analyses. Mokuzai Gakkai Shi, 2019, 65, 173-188.	0.2	0
28	Bridging the Micro-Macro Gap between Single-Molecular Behavior and Bulk Hydrolysis Properties of Cellulase. Physical Review Letters, 2019, 122, 098102.	7.8	7
29	Crystal Structure of the Catalytic and Cytochrome b Domains in a Eukaryotic Pyrroloquinoline Quinone-Dependent Dehydrogenase. Applied and Environmental Microbiology, 2019, 85, .	3.1	17
30	Fungal PQQ-dependent dehydrogenases and their potential in biocatalysis. Current Opinion in Chemical Biology, 2019, 49, 113-121.	6.1	22
31	Structural and thermodynamic insights into Î²-1,2-glucooligosaccharide capture by a solute-binding protein in Listeria innocua. Journal of Biological Chemistry, 2018, 293, 8812-8828.	3.4	19
32	Application of ammonia pretreatment to enable enzymatic hydrolysis of hardwood biomass. Polymer Degradation and Stability, 2018, 148, 19-25.	5.8	37
33	Degradation pathway of plant complex-type N-glycans: identification and characterization of a key Î±1,3-fucosidase from glycoside hydrolase family 29. Biochemical Journal, 2018, 475, 305-317.	3.7	10
34	Enzymes Suitable for Biorefinery to Coproduce Hexaric Acids and Electricity from Hexuronic Acids Derived from Biomass. Energy Technology, 2018, 6, 273-279.	3.8	13
35	Secretome analysis of the basidiomycete Phanerochaete chrysosporium grown on ammonia-treated lignocellulosic biomass from birch wood. Journal of Wood Science, 2018, 64, 845-853.	1.9	7
36	Association of amphipathic lignin derivatives with cellobiohydrolase groups improves enzymatic saccharification of lignocellulosics. Cellulose, 2017, 24, 1849-1862.	4.9	5

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37	Interdomain flip-flop motion visualized in flavocytochrome cellobiose dehydrogenase using high-speed atomic force microscopy during catalysis. Chemical Science, 2017, 8, 6561-6565.	7.4	26
38	Crystal Structure and Substrate Specificity Modification of Acetyl Xylan Esterase from Aspergillus luchuensis. Applied and Environmental Microbiology, 2017, 83, .	3.1	25
39	The plant cell-wall enzyme AtXTH3 catalyses covalent cross-linking between cellulose and cello-oligosaccharide. Scientific Reports, 2017, 7, 46099.	3.3	60
40	A protease/peptidase from culture medium of Flammulina velutipes that acts on arabinogalactan-protein. Bioscience, Biotechnology and Biochemistry, 2017, 81, 475-481.	1.3	2
41	Crystal structure of a family 6 cellobiohydrolase from the basidiomycetePhanerochaete chrysosporium. Acta Crystallographica Section F, Structural Biology Communications, 2017, 73, 398-403.	0.8	8
42	Visualization of the enzymatic degradation of crystalline cellulose at a molecular level. Plant Morphology, 2017, 29, 9-13.	0.1	0
43	Pyrroloquinoline quinone-dependent glucose dehydrogenase anode: d-Galacturonic acid oxidation and galactaric acid production. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, S76-S79.	1.8	9
44	Development of simple random mutagenesis protocol for the protein expression system in Pichia pastoris. Biotechnology for Biofuels, 2016, 9, 199.	6.2	22
45	A Lytic Polysaccharide Monooxygenase with Broad Xyloglucan Specificity from the Brown-Rot Fungus Gloeophyllum trabeum and Its Action on Cellulose-Xyloglucan Complexes. Applied and Environmental Microbiology, 2016, 82, 6557-6572.	3.1	97
46	The use of neutron scattering to determine the functional structure of glycoside hydrolase. Current Opinion in Structural Biology, 2016, 40, 54-61.	5.7	2
47	Single-molecule Imaging Analysis of Binding, Processive Movement, and Dissociation of Cellobiohydrolase Trichoderma reesei Cel6A and Its Domains on Crystalline Cellulose. Journal of Biological Chemistry, 2016, 291, 22404-22413.	3.4	45
48	pH-dependent electron transfer reaction and direct bioelectrocatalysis of the quinohemoprotein pyranose dehydrogenase. Biochemical and Biophysical Research Communications, 2016, 477, 369-373.	2.1	18
49	Title is missing!. Kagaku To Seibutsu, 2015, 53, 381-388.	0.0	1
50	Growth of a Large Crystal of Inverting Cellulase for Neutron/X-ray Structural Analysis. Nihon Kessho Gakkaishi, 2015, 57, 59-65.	0.0	0
51	New Insights Taking Lessons from Past Mechanistic Analysis of Enzymatic Cellulose Degradation for Biomass Refinery. Mokuzai Gakkai Shi, 2015, 61, 212-216.	0.2	0
52	Real-Time Dynamic Adsorption Processes of Cytochrome c on an Electrode Observed through Electrochemical High-Speed Atomic Force Microscopy. PLoS ONE, 2015, 10, e0116685.	2.5	8
53	A Novel Pyrroloquinoline Quinone-Dependent 2-Keto- <scp>d</scp> -Glucose Dehydrogenase from Pseudomonas aureofaciens. Journal of Bacteriology, 2015, 197, 1322-1329.	2.2	21
54	Multi-enzyme anode composed of FAD-dependent and NAD-dependent enzymes with a single ruthenium polymer mediator for biofuel cells. Electrochemistry Communications, 2015, 56, 75-78.	4.7	18

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55	â€œNewtonâ€™s cradleâ€•proton relay with amideâ€“imidic acid tautomerization in inverting cellulase visualized by neutron crystallography. Science Advances, 2015, 1, e1500263.	10.3	80
56	Characterization of a Novel PQQ-Dependent Quinohemoprotein Pyranose Dehydrogenase from Coprinopsis cinerea Classified into Auxiliary Activities Family 12 in Carbohydrate-Active Enzymes. PLoS ONE, 2015, 10, e0115722.	2.5	48
57	Strategies towards Reduction of Enzyme Cost for Ethanol Production from Cellulosic Biomass. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2014, 93, 964-972.	0.2	5
58	Structural and Biochemical Analyses of Glycoside Hydrolase Family 26 Î²-Mannanase from a Symbiotic Protist of the Termite Reticulitermes speratus. Journal of Biological Chemistry, 2014, 289, 10843-10852.	3.4	22
59	Analysis of the Phlebiopsis gigantea Genome, Transcriptome and Secretome Provides Insight into Its Pioneer Colonization Strategies of Wood. PLoS Genetics, 2014, 10, e1004759.	3.5	90
60	Crystal structure of a feruloyl esterase belonging to the tannase family: A disulfide bond near a catalytic triad. Proteins: Structure, Function and Bioinformatics, 2014, 82, 2857-2867.	2.6	68
61	Temporal Alterations in the Secretome of the Selective Ligninolytic Fungus Ceriporiopsis subvermispora during Growth on Aspen Wood Reveal This Organism's Strategy for Degrading Lignocellulose. Applied and Environmental Microbiology, 2014, 80, 2062-2070.	3.1	99
62	Single-molecule Imaging Analysis of Elementary Reaction Steps of Trichoderma reesei Cellobiohydrolase I (Cel7A) Hydrolyzing Crystalline Cellulose Iα and Iβ. Journal of Biological Chemistry, 2014, 289, 14056-14065.	3.4	50
63	Effect of amines as activators on the alcohol-oxidizing activity of pyrroloquinoline quinone-dependent quinoprotein alcohol dehydrogenase. Bioscience, Biotechnology and Biochemistry, 2014, 78, 1195-1198.	1.3	3
64	The GH26 Î²-mannanase RsMan26H from a symbiotic protist of the termite Reticulitermes speratus is an endo-processive mannobiohydrolase: Heterologous expression and characterization. Biochemical and Biophysical Research Communications, 2014, 452, 520-525.	2.1	16
65	Trade-off between Processivity and Hydrolytic Velocity of Cellobiohydrolases at the Surface of Crystalline Cellulose. Journal of the American Chemical Society, 2014, 136, 4584-4592.	13.7	77
66	Two-way traffic of glycoside hydrolase family 18 processive chitinases on crystalline chitin. Nature Communications, 2014, 5, 3975.	12.8	82
67	Discovery of a Eukaryotic Pyrroloquinoline Quinone-Dependent Oxidoreductase Belonging to a New Auxiliary Activity Family in the Database of Carbohydrate-Active Enzymes. PLoS ONE, 2014, 9, e104851.	2.5	65
68	Oics analyses of white- and brown rot fungi to understand the mechanism of wood decay. MOKUZAI HOZON (Wood Protection), 2014, 40, 152-161.	0.0	0
69	The Real Ability of Cellobiohydrolase during Crystalline Cellulose Hydrolysis Revealed by a Single-Molecule Observation. Kagaku To Seibutsu, 2014, 52, 218-222.	0.0	1
70	Molecular Mechanism of an Exo-type Cellulase Revealed by Single-molecule Analysis. Seibutsu Butsuri, 2014, 54, 318-320.	0.1	0
71	Genomewide analysis of polysaccharides degrading enzymes in 11 white- and brown-rot Polyporales provides insight into mechanisms of wood decay. Mycologia, 2013, 105, 1412-1427.	1.9	110
72	Probing Single-Molecule Enzymatic Dynamics of B-Glucosidase using Zero-Mode Waveguides. Biophysical Journal, 2013, 104, 178a.	0.5	0

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73	High-speed atomic force microscope combined with single-molecule fluorescence microscope. Review of Scientific Instruments, 2013, 84, 073706.	1.3	65
74	Crystal Structure and Computational Characterization of the Lytic Polysaccharide Monooxygenase GH61D from the Basidiomycota Fungus Phanerochaete chrysosporium. Journal of Biological Chemistry, 2013, 288, 12828-12839.	3.4	158
75	The two-step electrochemical oxidation of alcohols using a novel recombinant PQQ alcohol dehydrogenase as a catalyst for a bioanode. Bioelectrochemistry, 2013, 94, 75-78.	4.6	32
76	Discovery of cellobionic acid phosphorylase in cellulolytic bacteria and fungi. FEBS Letters, 2013, 587, 3556-3561.	2.8	33
77	Cooperative biomass breakdown. Nature Chemical Biology, 2013, 9, 350-351.	8.0	18
78	The Tryptophan Residue at the Active Site Tunnel Entrance of Trichoderma reesei Cellobiohydrolase Cel7A Is Important for Initiation of Degradation of Crystalline Cellulose. Journal of Biological Chemistry, 2013, 288, 13503-13510.	3.4	77
79	Phase-diagram-guided method for growth of a large crystal of glycoside hydrolase family 45 inverting cellulase suitable for neutron structural analysis. Journal of Synchrotron Radiation, 2013, 20, 859-863.	2.4	14
80	Improvement of Enzymatic Saccharification of Unbleached Cedar Pulp with Amphipathic Lignin Derivatives. BioResources, 2013, 8, .	1.0	24
81	Analysis of fungal flora present in a decayed foundation of a wooden house. MOKUZAI HOZON (Wood) Tj ETQq1 1 0.784314 rgBT /O	0.0	1
82	Real Time Single Molecular Imaging of Enzymatic Degradation of Crystalline Cellulose by High-speed Atomic Force Microscopy. Seibutsu Butsuri, 2013, 53, 140-144.	0.1	0
83	Single Amino Acid Mutation around Flavin Cofactor Changes pH-Dependence of Basidiomycetes Class I Cellobiose Dehydrogenase Activity. Journal of Applied Glycoscience (1999), 2013, 60, 111-116.	0.7	1
84	Transcriptional Response of the Cellobiose Dehydrogenase Gene to Cello- and Xylooligosaccharides in the Basidiomycete Phanerochaete chrysosporium. Applied and Environmental Microbiology, 2012, 78, 3770-3773.	3.1	12
85	Direct Visualization of Cellobiohydrolase on Crystalline Cellulose using High-Speed Atomic Force Microscopy. Biophysical Journal, 2012, 102, 585a-586a.	0.5	0
86	First aid for flood-damaged paper using saltwater: The inhibiting effect of saltwater on mold growth. Studies in Conservation, 2012, 57, 164-171.	1.1	10
87	Visualization of Cellobiohydrolase I from Trichoderma reesei Moving on Crystalline Cellulose Using High-Speed Atomic Force Microscopy. Methods in Enzymology, 2012, 510, 169-182.	1.0	24
88	Adsorption Characteristics of Fungal Family 1 Cellulose-Binding Domain from Trichoderma reesei Cellobiohydrolase I on Crystalline Cellulose: Negative Cooperative Adsorption via a Steric Exclusion Effect. Langmuir, 2012, 28, 14323-14329.	3.5	21
89	Cellulose affinity purification of fusion proteins tagged with fungal family 1 cellulose-binding domain. Protein Expression and Purification, 2012, 82, 290-296.	1.3	42
90	Comparative genomics of the white-rot fungi, Phanerochaete carnosa and P. chrysosporium, to elucidate the genetic basis of the distinct wood types they colonize. BMC Genomics, 2012, 13, 444.	2.8	125

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91	Effect of Deglycosylation of Cellobiose Dehydrogenases on the Enhancement of Direct Electron Transfer with Electrodes. Analytical Chemistry, 2012, 84, 10315-10323.	6.5	51
92	Development of Microchamber Array Chip-Based Assay System for Î²-Glucosidase Activity. Biophysical Journal, 2012, 102, 186a-187a.	0.5	0
93	Direct Electrochemistry of Phanerochaete chrysosporium Cellobiose Dehydrogenase Covalently Attached onto Gold Nanoparticle Modified Solid Gold Electrodes. Langmuir, 2012, 28, 10925-10933.	3.5	55
94	Comparative genomics of Ceriporiopsis subvermispora and Phanerochaete chrysosporium provide insight into selective ligninolysis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5458-5463.	7.1	259
95	Identification of Filamentous Fungi in Paper Damaged by Tsunami of the Great East Japan Earthquake. Kami Pa Gikyoshi/Japan Tappi Journal, 2012, 66, 1008-1016.	0.1	0
96	The Paleozoic Origin of Enzymatic Lignin Decomposition Reconstructed from 31 Fungal Genomes. Science, 2012, 336, 1715-1719.	12.6	1,424
97	A novel combined thermometric and amperometric biosensor for lactose determination based on immobilised cellobiose dehydrogenase. Biosensors and Bioelectronics, 2012, 31, 251-256.	10.1	42
98	Degradation of Crystalline Celluloses by Phanerochaete chrysosporium Cellobiohydrolase II (Cel6A) Heterologously Expressed in Methylotrophic Yeast Pichia pastoris. Journal of Applied Glycoscience (1999), 2012, 59, 105-110.	0.7	16
99	[Mini Review] Recent Advances in Enzymatic Degradation of Cellulose. Bulletin of Applied Glycoscience, 2012, 2, 234-235.	0.0	0
100	Traffic Jams Reduce Hydrolytic Efficiency of Cellulase on Cellulose Surface. Science, 2011, 333, 1279-1282.	12.6	501
101	Cloning, expression and purification of the anion exchanger 1 homologue from the basidiomycete Phanerochaete chrysosporium. Protein Expression and Purification, 2011, 79, 81-87.	1.3	2
102	The Putative Endoglucanase PcGH61D from Phanerochaete chrysosporium Is a Metal-Dependent Oxidative Enzyme that Cleaves Cellulose. PLoS ONE, 2011, 6, e27807.	2.5	226
103	Effects of xylan and starch on secretome of the basidiomycete Phanerochaete chrysosporium grown on cellulose. FEMS Microbiology Letters, 2011, 321, 14-23.	1.8	50
104	Electrochemical analysis of electrode-immobilized dehydrogenases in hydrated choline dihydrogen phosphate-type ionic liquid. Electrochimica Acta, 2011, 56, 7224-7227.	5.2	19
105	Endo-Î²-1,3-galactanase from Winter Mushroom Flammulina velutipes. Journal of Biological Chemistry, 2011, 286, 27848-27854.	3.4	38
106	2P325 Single molecular observations of processive glycosidases by high-speed atomic force microscopy(The 48th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2010, 50, S140.	0.1	0
107	Preparation and enzymatic behavior of surfactant-enveloped enzymes for glycosynthesis in nonaqueous aprotic media. Journal of Molecular Catalysis B: Enzymatic, 2010, 67, 225-230.	1.8	11
108	Degradation of carbohydrate moieties of arabinogalactan-proteins by glycoside hydrolases from Neurospora crassa. Carbohydrate Research, 2010, 345, 2516-2522.	2.3	36

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109	Crystal structure of a glycoside hydrolase family 6 enzyme, CcCel6C, a cellulase constitutively produced by Coprinopsisâ€ƒcinerea. FEBS Journal, 2010, 277, 1532-1542.	4.7	28
110	Determination of DNA amplification conditions for quantitative assessment of basidiomycotal flora. MOKUZAI HOZON (Wood Protection), 2010, 36, 200-207.	0.0	2
111	Secretome Analysis Using Transcriptomic Sequence Database of Flammulina velutipes. Mokuzai Gakkai Shi, 2010, 56, 388-396.	0.2	2
112	Cellotriose and Cellotetraose as Inducers of the Genes Encoding Cellobiohydrolases in the Basidiomycete Phanerochaete chrysosporium. Applied and Environmental Microbiology, 2010, 76, 6164-6170.	3.1	44
113	Synthesis of Cyclic Î²-Glucan Using Laminarinase 16A Glycosynthase Mutant from the Basidiomycete Phanerochaete chrysosporium. Journal of the American Chemical Society, 2010, 132, 1724-1730.	13.7	22
114	Characterization of Glycoside Hydrolase Family 7 Cellobiohydrolases Produced by Flammulina velutipes in Cellulose-Degrading Culture. Mokuzai Gakkai Shi, 2010, 56, 397-404.	0.2	1
115	Molecular cloning of cDNAs encoding two glycoside hydrolase family 7 cellobiohydrolases from the basidiomycete Flammulina velutipes. Plant Biotechnology, 2010, 27, 273-281.	1.0	4
116	Crystal Structure of Glycoside Hydrolase Family 55 Î²-1,3-Glucanase from the Basidiomycete Phanerochaete chrysosporium. Journal of Biological Chemistry, 2009, 284, 10100-10109.	3.4	48
117	High Speed Atomic Force Microscopy Visualizes Processive Movement of Trichoderma reesei Cellobiohydrolase I on Crystalline Cellulose. Journal of Biological Chemistry, 2009, 284, 36186-36190.	3.4	259
118	Cloning of the Trichoderma reesei cDNA Encoding a Glucuronan Lyase Belonging to a Novel Polysaccharide Lyase Family. Applied and Environmental Microbiology, 2009, 75, 101-107.	3.1	30
119	Crystal structure of polysaccharide lyase family 20 endoâ€Î²â€1,4â€glucuronan lyase from the filamentous fungus Trichoderma reesei. FEBS Letters, 2009, 583, 1323-1326.	2.8	39
120	The genes encoding glycoside hydrolase family 6 and 7 cellulases from the brown-rot fungus Coniophora puteana. Journal of Wood Science, 2009, 55, 376-380.	1.9	10
121	Synthesis of highly ordered cellulose II in vitro using cellodextrin phosphorylase. Carbohydrate Research, 2009, 344, 2468-2473.	2.3	117
122	Crystallization of selenomethionyl exo-Î²-1,3-galactanase from the basidiomycetePhanerochaete chrysosporium. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 1274-1276.	0.7	8
123	Quantitative transcriptional analysis of the genes encoding glycoside hydrolase family 7 cellulase isozymes in the basidiomycetePhanerochaete chrysosporium. FEMS Microbiology Letters, 2009, 299, 159-165.	1.8	10
124	Xâ€ray crystal structures of Phanerochaete chrysosporium Laminarinase 16A in complex with products from lichenin and laminarin hydrolysis. FEBS Journal, 2009, 276, 3858-3869.	4.7	30
125	Characterization of Glycoside Hydrolase Family 6 Enzymes fromCoprinopsis cinerea. Bioscience, Biotechnology and Biochemistry, 2009, 73, 1432-1434.	1.3	13
126	Biocatalytic oxidation of cellobiose in an hydrated ionic liquid. Green Chemistry, 2009, 11, 351-354.	9.0	63

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127	Title is missing!. Kagaku To Seibutsu, 2009, 47, 323-328.	0.0	2
128	Kinetic Analysis of Cellobiohydrolase: Quantification of Enzymatic Reaction at a Solid/Liquid Interface Applying the Concept of Surface Density. Trends in Glycoscience and Glycotechnology, 2009, 21, 13-22.	0.1	5
129	Identification of basidiomycetes in decayed wood by a method using non-specific amplification of DNA. MOKUZAI HOZON (Wood Protection), 2009, 35, 57-65.	0.0	4
130	Real-time quantitative analysis of carbon catabolite derepression of cellulolytic genes expressed in the basidiomycete Phanerochaete chrysosporium. Applied Microbiology and Biotechnology, 2008, 80, 99-106.	3.6	29
131	Role of subsite +1 residues in pH dependence and catalytic activity of the glycoside hydrolase family 1 Î²â€glucosidase BGL1A from the basidiomycete Phanerochaete chrysosporium. Biotechnology and Bioengineering, 2008, 99, 1295-1302.	3.3	12
132	Properties of family 79 Î²-glucuronidases that hydrolyze Î²-glucuronosyl and 4-O-methyl-Î²-glucuronosyl residues of arabinogalactan-protein. Carbohydrate Research, 2008, 343, 1191-1201.	2.3	54
133	Characterization of an Endoglucanase Belonging to a New Subfamily of Glycoside Hydrolase Family 45 of the BasidiomycetePhanerochaete chrysosporium. Applied and Environmental Microbiology, 2008, 74, 5628-5634.	3.1	83
134	Direct Electrochemistry of Cellobiose Dehydrogenase from the Basidiomycete Phanerochaete Chrysosporium. ECS Meeting Abstracts, 2008, , .	0.0	0
135	Recycle Utilization of Waste Sawdust Substrate for Sawdust-Based Cultivation of Hericium erinaceum. Mokuzai Gakkai Shi, 2008, 54, 327-332.	0.2	1
136	Two Mutations Convert Mammalian Xanthine Oxidoreductase to Highly Superoxide-productive Xanthine Oxidase. Journal of Biochemistry, 2007, 141, 525-534.	1.7	31
137	Crystal structure of intracellular family 1 Î²-glucosidase BGL1A from the basidiomycetePhanerochaete chrysosporium. FEBS Letters, 2007, 581, 1514-1520.	2.8	42
138	Activation of crystalline cellulose to celluloseâ€ƒIIII results in efficient hydrolysis by cellobiohydrolase. FEBS Journal, 2007, 274, 1785-1792.	4.7	135
139	Substrate recognition by glycoside hydrolase familyâ€ƒ74 xyloglucanase from the basidiomycete Phanerochaete chrysosporium. FEBS Journal, 2007, 274, 5727-5736.	4.7	45
140	X-ray crystallographic native sulfur SAD structure determination of laminarinase Lam16A fromPhanerochaete chrysosporium. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 1422-1429.	2.5	13
141	Purification, identification and molecular cloning of glycoside hydrolase family 15 glucoamylase from the brown-rot basidiomyceteFomitopsis palustris. FEMS Microbiology Letters, 2006, 259, 288-294.	1.8	17
142	Surface density of cellobiohydrolase on crystalline celluloses.. FEBS Journal, 2006, 273, 2869-2878.	4.7	69
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