

Lubbert Dijkhuizen

List of Publications by Year in descending order

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376
papers

21,557
citations

8749

75
h-index

15716

125
g-index

386
all docs

386
docs citations

386
times ranked

13616
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties and applications of starch-converting enzymes of the α -amylase family. <i>Journal of Biotechnology</i> , 2002, 94, 137-155.	1.9	1,075
2	Genome sequencing and analysis of the versatile cell factory <i>Aspergillus niger</i> CBS 513.88. <i>Nature Biotechnology</i> , 2007, 25, 221-231.	9.4	1,047
3	A gene cluster encoding cholesterol catabolism in a soil actinomycete provides insight into <i>Mycobacterium tuberculosis</i> survival in macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1947-1952.	3.3	480
4	Structure-Function Relationships of Glucansucrase and Fructansucrase Enzymes from Lactic Acid Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2006, 70, 157-176.	2.9	366
5	Physiological Responses to Nutrient Limitation. <i>Annual Review of Microbiology</i> , 1983, 37, 1-23.	2.9	363
6	Martini Coarse-Grained Force Field: Extension to Carbohydrates. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 3195-3210.	2.3	363
7	X-ray structures along the reaction pathway of cyclodextrin glycosyltransferase elucidate catalysis in the α -amylase family. <i>Nature Structural Biology</i> , 1999, 6, 432-436.	9.7	348
8	Degradation of halogenated aliphatic compounds by <i>Xanthobacter autotrophicus</i> GJ10. <i>Applied and Environmental Microbiology</i> , 1985, 49, 673-677.	1.4	336
9	A novel class of secreted hydrophobic proteins is involved in aerial hyphae formation in <i>Streptomyces coelicolor</i> by forming amyloid-like fibrils. <i>Genes and Development</i> , 2003, 17, 1714-1726.	2.7	301
10	Amyloids are a functional coat for microorganisms. <i>Nature Reviews Microbiology</i> , 2005, 3, 333-341.	13.6	264
11	Strategies of mixed substrate utilization in microorganisms. <i>Philosophical Transactions of the Royal Society of London Series B, Biological Sciences</i> , 1982, 297, 459-480.	2.4	260
12	Glucansucrases: Three-dimensional structures, reactions, mechanism, α -glucan analysis and their implications in biotechnology and food applications. <i>Journal of Biotechnology</i> , 2013, 163, 250-272.	1.9	250
13	Nucleotide Sequence and X-ray Structure of Cyclodextrin Glycosyltransferase from <i>Bacillus circulans</i> Strain 251 in a Maltose-dependent Crystal Form. <i>Journal of Molecular Biology</i> , 1994, 236, 590-600.	2.0	228
14	Harnessing the catabolic diversity of rhodococci for environmental and biotechnological applications. <i>Current Opinion in Microbiology</i> , 2004, 7, 255-261.	2.3	228
15	Production of actinorhodin-related "blue pigments" by <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Bacteriology</i> , 1996, 178, 2238-2244.	1.0	211
16	Enzymatic Glycosylation of Small Molecules: Challenging Substrates Require Tailored Catalysts. <i>Chemistry - A European Journal</i> , 2012, 18, 10786-10801.	1.7	183
17	Glucan synthesis in the genus <i>Lactobacillus</i> : isolation and characterization of glucansucrase genes, enzymes and glucan products from six different strains. <i>Microbiology (United Kingdom)</i> , 2004, 150, 3681-3690.	0.7	181
18	The Actinobacterial <i>mce4</i> Locus Encodes a Steroid Transporter. <i>Journal of Biological Chemistry</i> , 2008, 283, 35368-35374.	1.6	173

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19	The Raw Starch Binding Domain of Cyclodextrin Glycosyltransferase from <i>Bacillus circulans</i> Strain 251. <i>Journal of Biological Chemistry</i> , 1996, 271, 32777-32784.	1.6	172
20	The dynamic architecture of the metabolic switch in <i>Streptomyces coelicolor</i> . <i>BMC Genomics</i> , 2010, 11, 10.	1.2	171
21	Engineering of cyclodextrin glycosyltransferase reaction and product specificity. <i>BBA - Proteins and Proteomics</i> , 2000, 1543, 336-360.	2.1	159
22	Engineering of cyclodextrin glucanotransferases and the impact for biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 823-835.	1.7	157
23	Characterization of a Novel Fructosyltransferase from <i>Lactobacillus reuteri</i> That Synthesizes High-Molecular-Weight Inulin and Inulin Oligosaccharides. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4390-4398.	1.4	154
24	Screening and characterization of <i>Lactobacillus</i> strains producing large amounts of exopolysaccharides. <i>Applied Microbiology and Biotechnology</i> , 1998, 50, 697-703.	1.7	151
25	Structure of Cyclodextrin Glycosyltransferase Complexed with a Maltononase Inhibitor at 2.6 Å... Resolution. Implications for Product Specificity. <i>Biochemistry</i> , 1996, 35, 4241-4249.	1.2	149
26	The three transglycosylation reactions catalyzed by cyclodextrin glycosyltransferase from <i>Bacillus circulans</i> (strain 251) proceed via different kinetic mechanisms. <i>FEBS Journal</i> , 2000, 267, 658-665.	0.2	148
27	Site-Directed Mutations in Tyrosine 195 of Cyclodextrin Glycosyltransferase from <i>Bacillus circulans</i> Strain 251 Affect Activity and Product Specificity. <i>Biochemistry</i> , 1995, 34, 3368-3376.	1.2	146
28	Biochemical and Structural Characterization of the Glucan and Fructan Exopolysaccharides Synthesized by the <i>Lactobacillus reuteri</i> Wild-Type Strain and by Mutant Strains. <i>Applied and Environmental Microbiology</i> , 1999, 65, 3008-3014.	1.4	143
29	X-ray Structure of Cyclodextrin Glycosyltransferase Complexed with Acarbose. Implications for the Catalytic Mechanism of Glycosidases. <i>Biochemistry</i> , 1995, 34, 2234-2240.	1.2	140
30	Crystal structure of a 117 kDa glucanase fragment provides insight into evolution and product specificity of GH70 enzymes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21406-21411.	3.3	140
31	Biochemical and molecular characterization of <i>Lactobacillus reuteri</i> 121 reuteranase. <i>Microbiology (United Kingdom)</i> , 2004, 150, 2099-2112.	0.7	134
32	Regulation of <i>Streptomyces</i> development: reach for the sky!. <i>Trends in Microbiology</i> , 2006, 14, 313-319.	3.5	133
33	The formation of the rodlet layer of streptomycetes is the result of the interplay between rodlines and chaplins. <i>Molecular Microbiology</i> , 2004, 53, 433-443.	1.2	132
34	Crystallographic Studies of the Interaction of Cyclodextrin Glycosyltransferase from <i>Bacillus circulans</i> Strain 251 with Natural Substrates and Products. <i>Journal of Biological Chemistry</i> , 1995, 270, 29256-29264.	1.6	131
35	Antibiotic Overproduction in <i>Streptomyces coelicolor</i> A3(2) Mediated by Phosphofructokinase Deletion*. <i>Journal of Biological Chemistry</i> , 2008, 283, 25186-25199.	1.6	131
36	Unmarked gene deletion mutagenesis of <i>kstD</i> , encoding 3-ketosteroid 1-dehydrogenase, in <i>Rhodococcus erythropolis</i> SQ1 using <i>sacB</i> as counter-selectable marker. <i>FEMS Microbiology Letters</i> , 2001, 205, 197-202.	0.7	125

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37	Organization of the teicoplanin gene cluster in <i>Actinoplanes teichomyceticus</i> . <i>Microbiology (United Kingdom)</i> , 2006, 152, 1187-1196.	0.7	123
38	The levansucrase and inulosucrase enzymes of <i>Lactobacillus reuteri</i> 121 catalyse processive and non-processive transglycosylation reactions. <i>Microbiology (United Kingdom)</i> , 2006, 152, 1187-1196.	0.7	123
39	Targeted Disruption of the <i>kstD</i> Gene Encoding a 3-Ketosteroid 1-Dehydrogenase Isoenzyme of <i>Rhodococcus erythropolis</i> Strain SQ1. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2029-2036.	1.4	122
40	Unmarked gene deletion mutagenesis of <i>kstD</i> , encoding 3-ketosteroid 1-dehydrogenase, in <i>Rhodococcus erythropolis</i> SQ1 using <i>sacB</i> as counter-selectable marker. <i>FEMS Microbiology Letters</i> , 2001, 205, 197-202.	0.7	122
41	Molecular and functional characterization of <i>kshA</i> and <i>kshB</i> , encoding two components of 3-ketosteroid 9 α -hydroxylase, a class IA monooxygenase, in <i>Rhodococcus erythropolis</i> strain SQ1. <i>Molecular Microbiology</i> , 2002, 45, 1007-1018.	1.2	115
42	Cytochrome P450 ω 125 (CYP125) catalyses C26 α -hydroxylation to initiate sterol side-chain degradation in <i>Rhodococcus jostii</i> RHA1. <i>Molecular Microbiology</i> , 2009, 74, 1031-1043.	1.2	114
43	The Cyclization Mechanism of Cyclodextrin Glycosyltransferase (CGTase) as Revealed by a β -Cyclodextrin-CGTase Complex at 1.8-Å... Resolution. <i>Journal of Biological Chemistry</i> , 1999, 274, 34868-34876.	1.6	111
44	Molecular Characterization of a Novel Glucosyltransferase from <i>Lactobacillus reuteri</i> Strain 121 Synthesizing a Unique, Highly Branched Glucan with α -1,4 and α -1,6 Glucosidic Bonds. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4283-4291.	1.4	110
45	Attachment of <i>Streptomyces coelicolor</i> is mediated by amyloid fimbriae that are anchored to the cell surface via cellulose. <i>Molecular Microbiology</i> , 2009, 73, 1128-1140.	1.2	107
46	Characteristics of DMSP-lyase in <i>Phaeocystis</i> sp. (Prymnesiophyceae). <i>Marine Ecology - Progress Series</i> , 1996, 131, 307-313.	0.9	103
47	Engineering of Cyclodextrin Product Specificity and pH Optima of the Thermostable Cyclodextrin Glycosyltransferase from <i>Thermoanaerobacterium thermosulfurigenes</i> EM1. <i>Journal of Biological Chemistry</i> , 1998, 273, 5771-5779.	1.6	100
48	<i>Aspergillus niger</i> genome-wide analysis reveals a large number of novel alpha-glucan acting enzymes with unexpected expression profiles. <i>Molecular Genetics and Genomics</i> , 2008, 279, 545-561.	1.0	100
49	Cloning, expression, and sequence analysis of the <i>Bacillus methanolicus</i> C1 methanol dehydrogenase gene. <i>Journal of Bacteriology</i> , 1992, 174, 5346-5353.	1.0	99
50	Biochemical and molecular characterization of a levansucrase from <i>Lactobacillus reuteri</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 621-630.	0.7	99
51	Directed evolution of enzymes: Library screening strategies. <i>IUBMB Life</i> , 2009, 61, 222-228.	1.5	99
52	Two novel homologous proteins of <i>Streptomyces coelicolor</i> and <i>Streptomyces lividans</i> are involved in the formation of the rodlet layer and mediate attachment to a hydrophobic surface. <i>Molecular Microbiology</i> , 2002, 44, 1483-1492.	1.2	96
53	Methanol metabolism in thermotolerant methylotrophic <i>Bacillus</i> strains involving a novel catabolic NAD-dependent methanol dehydrogenase as a key enzyme. <i>Archives of Microbiology</i> , 1989, 152, 280-288.	1.0	95
54	3-Keto-5 α -steroid 1-dehydrogenase from <i>Rhodococcus erythropolis</i> SQ1 and its orthologue in <i>Mycobacterium tuberculosis</i> H37Rv are highly specific enzymes that function in cholesterol catabolism. <i>Biochemical Journal</i> , 2008, 410, 339-346.	1.7	94

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55	<i>Bacillus methanolicus</i> sp. nov., a New Species of Thermotolerant, Methanol-Utilizing, Endospore-Forming Bacteria. <i>International Journal of Systematic Bacteriology</i> , 1992, 42, 439-445.	2.8	93
56	Hydrophobic Amino Acid Residues in the Acceptor Binding Site Are Main Determinants for Reaction Mechanism and Specificity of Cyclodextrin-glycosyltransferase. <i>Journal of Biological Chemistry</i> , 2001, 276, 44557-44562.	1.6	93
57	Inulin and levan synthesis by probiotic <i>Lactobacillus gasseri</i> strains: characterization of three novel fructansucrase enzymes and their fructan products. <i>Microbiology (United Kingdom)</i> , 2010, 156, 1264-1274.	0.7	93
58	Molecular and functional characterization of the <i>kstD2</i> gene of <i>Rhodococcus erythropolis</i> SQ1 encoding a second 3-ketosteroid 1-dehydrogenase isoenzyme b bThe GenBank accession number for the sequence reported in this paper is AY078169. <i>Microbiology (United Kingdom)</i> , 2002, 148, 3285-3292.	0.7	92
59	Cyclodextrin formation by the thermostable alpha-amylase of <i>Thermoanaerobacterium thermosulfurigenes</i> EM1 and reclassification of the enzyme as a cyclodextrin glycosyltransferase. <i>Applied and Environmental Microbiology</i> , 1995, 61, 1257-1265.	1.4	91
60	Rational design of cyclodextrin glycosyltransferase from <i>Bacillus circulans</i> strain 251 to increase Î±-cyclodextrin production 1 1Edited by G. Von Heijne. <i>Journal of Molecular Biology</i> , 2000, 296, 1027-1038.	2.0	89
61	<i>Thermus thermophilus</i> Glycoside Hydrolase Family 57 Branching Enzyme. <i>Journal of Biological Chemistry</i> , 2011, 286, 3520-3530.	1.6	88
62	Structural analysis of the Î±-D-glucan (EPS180) produced by the <i>Lactobacillus reuteri</i> strain 180 glucansucrase GTF180 enzyme. <i>Carbohydrate Research</i> , 2008, 343, 1237-1250.	1.1	86
63	Crystal Structure at 2.3 Å... Resolution and Revised Nucleotide Sequence of the Thermostable Cyclodextrin Glycosyltransferase from <i>Thermoanaerobacterium thermosulfurigenes</i> EM1. <i>Journal of Molecular Biology</i> , 1996, 256, 611-622.	2.0	84
64	Amylomaltase of <i>Pyrobaculum aerophilum</i> IM2 Produces Thermoreversible Starch Gels. <i>Applied and Environmental Microbiology</i> , 2005, 71, 5098-5106.	1.4	84
65	Metabolomic Characterization of the Salt Stress Response in <i>Streptomyces coelicolor</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 2574-2581.	1.4	84
66	Coating with genetic engineered hydrophobin promotes growth of fibroblasts on a hydrophobic solid. <i>Biomaterials</i> , 2002, 23, 4847-4854.	5.7	83
67	Highly Hydrolytic Reuteransucrase from Probiotic <i>Lactobacillus reuteri</i> Strain ATCC 55730. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3942-3950.	1.4	82
68	Identification and organization of carbon dioxide fixation genes in <i>Xanthobacter flavus</i> H4-14. <i>Molecular Genetics and Genomics</i> , 1991, 225, 320-330.	2.4	81
69	Structures of Maltohexaose and Maltoheptaose Bound at the Donor Sites of Cyclodextrin Glycosyltransferase Give Insight into the Mechanisms of Transglycosylation Activity and Cyclodextrin Size Specificity. <i>Biochemistry</i> , 2000, 39, 7772-7780.	1.2	81
70	4,6-Î±-Glucanotransferase, a Novel Enzyme That Structurally and Functionally Provides an Evolutionary Link between Glycoside Hydrolase Enzyme Families 13 and 70. <i>Applied and Environmental Microbiology</i> , 2011, 77, 8154-8163.	1.4	81
71	Purification of a novel fructosyltransferase from <i>Lactobacillus reuteri</i> strain 121 and characterization of the levan produced. <i>FEMS Microbiology Letters</i> , 2001, 205, 323-328.	0.7	79
72	The Unique Branching Patterns of <i>Deinococcus</i> Glycogen Branching Enzymes Are Determined by Their N-Terminal Domains. <i>Applied and Environmental Microbiology</i> , 2009, 75, 1355-1362.	1.4	78

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73	Diffusion of oxygen in alginate gels related to the kinetics of methanol oxidation by immobilized <i>Hansenula polymorpha</i> cells. <i>European Journal of Applied Microbiology and Biotechnology</i> , 1983, 18, 189-196.	1.3	77
74	<i>Amycolatopsis methanolica</i> sp. nov., a Facultatively Methylophilic Actinomycete. <i>International Journal of Systematic Bacteriology</i> , 1990, 40, 194-204.	2.8	77
75	The Probiotic <i>Lactobacillus johnsonii</i> NCC 533 Produces High-Molecular-Mass Inulin from Sucrose by Using an Inulosucrase Enzyme. <i>Applied and Environmental Microbiology</i> , 2008, 74, 3426-3433.	1.4	77
76	<i>Rhodococcus rhodochrous</i> DSM 43269 3-Ketosteroid 9 α -Hydroxylase, a Two-Component Iron-Sulfur-Containing Monooxygenase with Subtle Steroid Substrate Specificity. <i>Applied and Environmental Microbiology</i> , 2009, 75, 5300-5307.	1.4	77
77	Multiplicity of 3-Ketosteroid-9 α -Hydroxylase Enzymes in <i>Rhodococcus rhodochrous</i> DSM43269 for Specific Degradation of Different Classes of Steroids. <i>Journal of Bacteriology</i> , 2011, 193, 3931-3940.	1.0	76
78	Rational Transformation of <i>Lactobacillus reuteri</i> 121 Reuteransucrase into a Dextransucrase. <i>Biochemistry</i> , 2005, 44, 9206-9216.	1.2	75
79	Comparative structural characterization of 7 commercial galacto-oligosaccharide (GOS) products. <i>Carbohydrate Research</i> , 2016, 425, 48-58.	1.1	75
80	The Steroid Catabolic Pathway of the Intracellular Pathogen <i>Rhodococcus equi</i> Is Important for Pathogenesis and a Target for Vaccine Development. <i>PLoS Pathogens</i> , 2011, 7, e1002181.	2.1	73
81	Isomalto/Malto-Polysaccharide, A Novel Soluble Dietary Fiber Made Via Enzymatic Conversion of Starch. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 12034-12044.	2.4	73
82	DMSP-lyase activity in a spring phytoplankton bloom off the Dutch coast, related to <i>Phaeocystis</i> sp. abundance. <i>Marine Ecology - Progress Series</i> , 1995, 123, 235-243.	0.9	72
83	Purification of a novel fructosyltransferase from <i>Lactobacillus reuteri</i> strain 121 and characterization of the levan produced. <i>FEMS Microbiology Letters</i> , 2001, 205, 323-328.	0.7	71
84	Structural investigation of water-soluble polysaccharides extracted from the fruit bodies of <i>Coprinus comatus</i> . <i>Carbohydrate Polymers</i> , 2013, 91, 314-321.	5.1	71
85	Exploring and exploiting starch-modifying amyloamylases from thermophiles. <i>Biochemical Society Transactions</i> , 2004, 32, 279-282.	1.6	70
86	Promotion of fibroblast activity by coating with hydrophobins in the β -sheet end state. <i>Biomaterials</i> , 2004, 25, 2731-2739.	5.7	68
87	Biotechnological potential of novel glycoside hydrolase family 70 enzymes synthesizing β -glucans from starch and sucrose. <i>Biotechnology Advances</i> , 2018, 36, 196-207.	6.0	68
88	Reaction kinetics and galactooligosaccharide product profiles of the β -galactosidases from <i>Bacillus circulans</i> , <i>Kluyveromyces lactis</i> and <i>Aspergillus oryzae</i> . <i>Food Chemistry</i> , 2017, 225, 230-238.	4.2	67
89	Stevia Glycosides. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2016, 73, 1-72.	0.4	65
90	The evolution of cyclodextrin glucanotransferase product specificity. <i>Applied Microbiology and Biotechnology</i> , 2009, 84, 119-133.	1.7	64

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91	Structure–function relationships of family GH70 glucansucrase and 4,6- α -glucanotransferase enzymes, and their evolutionary relationships with family GH13 enzymes. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2681-2706.	2.4	64
92	Database mining and transcriptional analysis of genes encoding inulin-modifying enzymes of <i>Aspergillus niger</i> . <i>Microbiology (United Kingdom)</i> , 2006, 152, 3061-3073.	0.7	63
93	Three-way Stabilization of the Covalent Intermediate in Amylomaltase, an α -Amylase-like Transglycosylase. <i>Journal of Biological Chemistry</i> , 2007, 282, 17242-17249.	1.6	63
94	Crystal Structure of Inulosucrase from <i>Lactobacillus</i> : Insights into the Substrate Specificity and Product Specificity of GH68 Fructansucrases. <i>Journal of Molecular Biology</i> , 2011, 412, 80-93.	2.0	63
95	Regulation of autotrophic and heterotrophic metabolism in <i>Pseudomonas oxalaticus</i> OX1: Growth on mixtures of acetate and formate in continuous culture. <i>Archives of Microbiology</i> , 1979, 123, 47-53.	1.0	62
96	Isolation and initial characterization of thermotolerant methylotrophic <i>Bacillus</i> strains. <i>FEMS Microbiology Letters</i> , 1988, 52, 209-214.	0.7	62
97	FadD19 of <i>Rhodococcus rhodochrous</i> DSM43269, a Steroid-Coenzyme A Ligase Essential for Degradation of C-24 Branched Sterol Side Chains. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4455-4464.	1.4	62
98	Structural analysis of the α -D-glucan (EPS35-5) produced by the <i>Lactobacillus reuteri</i> strain 35-5 glucansucrase GTFA enzyme. <i>Carbohydrate Research</i> , 2008, 343, 1251-1265.	1.1	61
99	Gas vesicles in actinomycetes: old buoys in novel habitats?. <i>Trends in Microbiology</i> , 2005, 13, 350-354.	3.5	60
100	Structural characterization of linear isomalto-/malto-oligomer products synthesized by the novel GTFB 4,6- α -glucanotransferase enzyme from <i>Lactobacillus reuteri</i> 121. <i>Glycobiology</i> , 2012, 22, 517-528.	1.3	60
101	Properties of an NAD(H)-Containing Methanol Dehydrogenase and its Activator Protein from <i>Bacillus methanolicus</i> . <i>FEBS Journal</i> , 1997, 244, 426-433.	0.2	59
102	Synthesis of Branched Polyglucans by the Tandem Action of Potato Phosphorylase and <i>Deinococcus geothermalis</i> Glycogen Branching Enzyme. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1293-1297.	2.0	59
103	Kinetic properties of an inulosucrase from <i>Lactobacillus reuteri</i> 121. <i>FEBS Letters</i> , 2003, 534, 207-210.	1.3	58
104	Engineering the Glucansucrase GTFR Enzyme Reaction and Glycosidic Bond Specificity: Toward Tailor-Made Polymer and Oligosaccharide Products. <i>Biochemistry</i> , 2008, 47, 6678-6684.	1.2	58
105	Genome-based exploration of the specialized metabolic capacities of the genus <i>Rhodococcus</i> . <i>BMC Genomics</i> , 2017, 18, 593.	1.2	58
106	CbbR, a LysR-type transcriptional activator, is required for expression of the autotrophic CO ₂ fixation enzymes of <i>Xanthobacter flavus</i> . <i>Journal of Bacteriology</i> , 1993, 175, 6097-6104.	1.0	57
107	The role of arginine 47 in the cyclization and coupling reactions of cyclodextrin glycosyltransferase from <i>Bacillus circulans</i> strain 251. <i>FEBS Journal</i> , 2000, 267, 3432-3441.	0.2	57
108	Conversion of Cyclodextrin Glycosyltransferase into a Starch Hydrolase by Directed Evolution: The Role of Alanine 230 in Acceptor Subsite +1. <i>Biochemistry</i> , 2003, 42, 7518-7526.	1.2	57

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109	A novel method to generate unmarked gene deletions in the intracellular pathogen <i>Rhodococcus equi</i> using 5-fluorocytosine conditional lethality. <i>Nucleic Acids Research</i> , 2008, 36, e151-e151.	6.5	57
110	The LysR-Type Transcriptional Regulator CbbR Controlling Autotrophic CO ₂ Fixation by <i>Xanthobacter flavus</i> Is an NADPH Sensor. <i>Journal of Bacteriology</i> , 1998, 180, 1411-1417.	1.0	57
111	Starch and α -glucan acting enzymes, modulating their properties by directed evolution. <i>Journal of Biotechnology</i> , 2009, 140, 184-193.	1.9	56
112	Raw starch-degrading α -amylase from <i>Bacillus aquimaris</i> MKSC 6.2: isolation and expression of the gene, bioinformatics and biochemical characterization of the recombinant enzyme. <i>Journal of Applied Microbiology</i> , 2013, 114, 108-120.	1.4	56
113	¹ H NMR analysis of the lactose- β -galactosidase-derived galacto-oligosaccharide components of Vivinal [®] GOS up to DP5. <i>Carbohydrate Research</i> , 2014, 400, 59-73.	1.1	54
114	Biochemical Characterization of the <i>Lactobacillus reuteri</i> Glycoside Hydrolase Family 70 GTFB Type of 4,6- α -Glucanotransferase Enzymes That Synthesize Soluble Dietary Starch Fibers. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7223-7232.	1.4	54
115	Characterization of a new <i>Bacillus stearothermophilus</i> isolate: a highly thermostable α -amylase-producing strain. <i>Applied Microbiology and Biotechnology</i> , 1994, 41, 155-162.	1.7	53
116	Actinomycete integrative and conjugative elements. <i>Antonie Van Leeuwenhoek</i> , 2008, 94, 127-143.	0.7	53
117	Glycosidic bond specificity of glucansucrases: on the role of acceptor substrate binding residues. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 366-376.	1.1	53
118	Electron microscopic analysis and structural characterization of novel NADP(H)-containing methanol: N,N'-dimethyl-4-nitrosoaniline oxidoreductases from the gram-positive methylophilic bacteria <i>Amycolatopsis methanolica</i> and <i>Mycobacterium gastri</i> MB19. <i>Journal of Bacteriology</i> , 1993, 175, 1814-1822.	1.0	52
119	Molecular and Biochemical Characterization of a Novel Intracellular Invertase from <i>Aspergillus niger</i> with Transfructosylating Activity. <i>Eukaryotic Cell</i> , 2007, 6, 674-681.	3.4	52
120	Land Use Intensity Controls Actinobacterial Community Structure. <i>Microbial Ecology</i> , 2011, 61, 286-302.	1.4	52
121	4,6- α -Glucanotransferase activity occurs more widespread in <i>Lactobacillus</i> strains and constitutes a separate GH70 subfamily. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 181-193.	1.7	52
122	Goat Milk Oligosaccharides: Their Diversity, Quantity, and Functional Properties in Comparison to Human Milk Oligosaccharides. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13469-13485.	2.4	52
123	Purification and characterization of a dual function 3-dehydroquinate dehydratase from <i>Amycolatopsis methanolica</i> . <i>Journal of General Microbiology</i> , 1992, 138, 2449-2457.	2.3	51
124	Different Physiological Roles of ATP- and PP _i -Dependent Phosphofructokinase Isoenzymes in the Methylophilic Actinomycete <i>Amycolatopsis methanolica</i> . <i>Journal of Bacteriology</i> , 2001, 183, 7231-7240.	1.0	51
125	Conversion of a Cyclodextrin Glucanotransferase into an α -Amylase: Assessment of Directed Evolution Strategies. <i>Biochemistry</i> , 2007, 46, 11216-11222.	1.2	51
126	A <i>Bacillus megaterium</i> Plasmid System for the Production, Export, and One-Step Purification of Affinity-Tagged Heterologous Levansucrase from Growth Medium. <i>Applied and Environmental Microbiology</i> , 2006, 72, 1677-1679.	1.4	50

#	ARTICLE	IF	CITATIONS
127	Characterization of a Second Rhodococcus erythropolis SQ1 3-Ketosteroid 9 α -Hydroxylase Activity Comprising a Terminal Oxygenase Homologue, KshA2, Active with Oxygenase-Reductase Component KshB. Applied and Environmental Microbiology, 2008, 74, 7197-7203.	1.4	50
128	Screening of lactic acid bacteria from Indonesia reveals glucansucrase and fructansucrase genes in two different <i>Weissella confusa</i> strains from soya. FEMS Microbiology Letters, 2009, 300, 131-138.	0.7	50
129	Structural Characterization of Bioengineered α -D-Glucans Produced by Mutant Glucansucrase GTF180 Enzymes of Lactobacillus reuteri Strain 180. Biomacromolecules, 2009, 10, 580-588.	2.6	50
130	Methanol, a potential feedstock for biotechnological processes. Trends in Biotechnology, 1985, 3, 262-267.	4.9	49
131	3-Ketosteroid 9 α -hydroxylase enzymes: Rieske non-heme monooxygenases essential for bacterial steroid degradation. Antonie Van Leeuwenhoek, 2014, 106, 157-172.	0.7	49
132	Differential Metabolism of Exopolysaccharides from Probiotic Lactobacilli by the Human Gut Symbiont Bacteroides thetaiotaomicron. Applied and Environmental Microbiology, 2015, 81, 3973-3983.	1.4	49
133	Current views on the regulation of autotrophic carbon dioxide fixation via the Calvin cycle in bacteria. Antonie Van Leeuwenhoek, 1984, 50, 473-487.	0.7	48
134	Phylogenetic and biochemical characterization of a novel cluster of intracellular fungal α -amylase enzymes. Microbiology (United Kingdom), 2007, 153, 4003-4015.	0.7	48
135	Energy production and growth of Pseudomonas oxalaticus OX1 on oxalate and formate. Archives of Microbiology, 1977, 115, 229-236.	1.0	47
136	Mutations converting cyclodextrin glycosyltransferase from a transglycosylase into a starch hydrolase. FEBS Letters, 2002, 514, 189-192.	1.3	47
137	Site-directed mutagenesis study of the three catalytic residues of the fructosyltransferases of Lactobacillus reuteri 121. FEBS Letters, 2004, 560, 131-133.	1.3	47
138	Elimination of competing hydrolysis and coupling side reactions of a cyclodextrin glucanotransferase by directed evolution. Biochemical Journal, 2008, 413, 517-525.	1.7	47
139	Structure of the α -1,6/ α -1,4-specific glucansucrase GTFa from <i>Lactobacillus reuteri</i> 121. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 1448-1454.	0.7	47
140	Electron microscopic analysis and biochemical characterization of a novel methanol dehydrogenase from the thermotolerant Bacillus sp. C1. Journal of Biological Chemistry, 1991, 266, 3949-3954.	1.6	47
141	Identification of Acceptor Substrate Binding Subsites +2 and +3 in the Amylomaltase from Thermus thermophilus HB8. Biochemistry, 2007, 46, 5261-5269.	1.2	46
142	Enzymes of glucose and methanol metabolism in the actinomycete Amycolatopsis methanolica. Journal of Bacteriology, 1994, 176, 6827-6835.	1.0	45
143	Analysis of DNA Binding and Transcriptional Activation by the LysR-Type Transcriptional Regulator CbbR of Xanthobacter flavus. Journal of Bacteriology, 2003, 185, 1245-1252.	1.0	45
144	Crystal Structure of 4,6- α -Glucanotransferase Supports Diet-Driven Evolution of GH70 Enzymes from α -Amylases in Oral Bacteria. Structure, 2017, 25, 231-242.	1.6	45

#	ARTICLE	IF	CITATIONS
145	Cross-Feeding among Probiotic Bacterial Strains on Prebiotic Inulin Involves the Extracellular α -D-Glucanase of <i>Lactobacillus paracasei</i> Strain W20. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	45
146	Catalytic mechanism and product specificity of cyclodextrin glycosyltransferase, a prototypical transglycosylase from the α -amylase family. <i>Enzyme and Microbial Technology</i> , 2002, 30, 295-304.	1.6	44
147	The Remote Substrate Binding Site α 6 in Cyclodextrin-glycosyltransferase Controls the Transferase Activity of the Enzyme via an Induced-fit Mechanism. <i>Journal of Biological Chemistry</i> , 2002, 277, 1113-1119.	1.6	43
148	Single amino acid residue changes in subsite α 1 of inulosucrase from <i>Lactobacillus reuteri</i> 121 strongly influence the size of products synthesized. <i>FEBS Journal</i> , 2006, 273, 4104-4113.	2.2	42
149	NepA is a structural cell wall protein involved in maintenance of spore dormancy in <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , 2009, 71, 1591-1603.	1.2	42
150	4,3- α -D-Glucanotransferase, a novel reaction specificity in glycoside hydrolase family 70 and clan GH-H. <i>Scientific Reports</i> , 2017, 7, 39761.	1.6	42
151	Prebiotic galactooligosaccharides activate mucin and pectic galactan utilization pathways in the human gut symbiont <i>Bacteroides thetaiotaomicron</i> . <i>Scientific Reports</i> , 2017, 7, 40478.	1.6	41
152	Differentiation and Anaerobiosis in Standing Liquid Cultures of <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , 2003, 185, 1455-1458.	1.0	40
153	Synthesis of novel α -D-glucans with potential health benefits through controlled glucose release in the human gastrointestinal tract. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 123-146.	5.4	40
154	Metabolic regulation in <i>Pseudomonas oxalaticus</i> OX1. <i>Archives of Microbiology</i> , 1978, 116, 77-83.	1.0	39
155	Phenylalanine and tyrosine metabolism in the facultative methylotroph <i>Nocardia</i> sp. 239. <i>Archives of Microbiology</i> , 1988, 149, 459-465.	1.0	39
156	A plasmid from the methylotrophic actinomycete <i>Amycolatopsis methanolica</i> capable of site-specific integration. <i>Journal of Bacteriology</i> , 1994, 176, 7087-7090.	1.0	39
157	Characterization and phylogeny of the <i>pfp</i> gene of <i>Amycolatopsis methanolica</i> encoding PPI-dependent phosphofructokinase. <i>Journal of Bacteriology</i> , 1996, 178, 149-155.	1.0	39
158	Engineering of factors determining α -amylase and cyclodextrin glycosyltransferase specificity in the cyclodextrin glycosyltransferase from <i>Thermoanaerobacterium thermosulfurigenes</i> EM1. <i>FEBS Journal</i> , 1998, 253, 598-605.	0.2	39
159	Mutational analysis of the role of calcium ions in the <i>Lactobacillus reuteri</i> strain 121 fructosyltransferase (levansucrase and inulosucrase) enzymes. <i>FEBS Letters</i> , 2005, 579, 1124-1128.	1.3	39
160	Rapid milk group classification by ^1H NMR analysis of Le and H epitopes in human milk oligosaccharide donor samples. <i>Glycobiology</i> , 2014, 24, 728-739.	1.3	39
161	The Gram-negative bacterium <i>Azotobacter chroococcum</i> NCIMB 8003 employs a new glycoside hydrolase family 70 4,6- α -D-glucanotransferase enzyme (GtFD) to synthesize a reuteran like polymer from maltodextrins and starch. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1224-1236.	1.1	39
162	<i>Thermoanaerobacterium thermosulfurigenes</i> cyclodextrin glycosyltransferase. <i>FEBS Journal</i> , 2002, 270, 155-162.	0.2	38

#	ARTICLE	IF	CITATIONS
163	Improved thermostability of bacillus circulans cyclodextrin glycosyltransferase by the introduction of a salt bridge. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 54, 128-134.	1.5	38
164	The <i>Exiguobacterium sibiricum</i> 255-15 GtfC Enzyme Represents a Novel Glycoside Hydrolase 70 Subfamily of 4,6- α -Glucanotransferase Enzymes. <i>Applied and Environmental Microbiology</i> , 2016, 82, 756-766.	1.4	38
165	Purification and characterization of an activator protein for methanol dehydrogenase from thermotolerant <i>Bacillus</i> spp. <i>Journal of Biological Chemistry</i> , 1991, 266, 3955-3960.	1.6	38
166	Electron microscopic analysis and biochemical characterization of a novel methanol dehydrogenase from the thermotolerant <i>Bacillus</i> sp. C1. <i>Journal of Biological Chemistry</i> , 1991, 266, 3949-54.	1.6	38
167	Properties of the Glucan Branching Enzyme of the Hyperthermophilic Bacterium <i>Aquifex aeolicus</i> . <i>Biocatalysis and Biotransformation</i> , 2003, 21, 199-207.	1.1	37
168	Characterization of <i>Xanthobacter</i> strains H4-14 and 25a and enzyme profiles after growth under autotrophic and heterotrophic conditions. <i>Archives of Microbiology</i> , 1990, 153, 360-367.	1.0	36
169	Uniform designation for genes of the Calvin-Benson-Bassham reductive pentose phosphate pathway of bacteria. <i>FEMS Microbiology Letters</i> , 1992, 99, 107-110.	0.7	36
170	Use of <i>Wisteria floribunda</i> agglutinin affinity chromatography in the structural analysis of the bovine lactoferrin N-linked glycosylation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1444-1455.	1.1	36
171	Enzymatic degradation of granular potato starch by <i>Microbacterium aurum</i> strain B8.A. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 645-654.	1.7	36
172	Identification of ATP-dependent phosphofructokinase as a regulatory step in the glycolytic pathway of the actinomycete <i>Streptomyces coelicolor</i> A3(2). <i>Applied and Environmental Microbiology</i> , 1997, 63, 956-961.	1.4	36
173	Identification of a Magnesium-dependent NAD(P)(H)-binding Domain in the Nicotinoprotein Methanol Dehydrogenase from <i>Bacillus methanolicus</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 46966-46973.	1.6	35
174	Rapid identification of target genes for 3-methyl-1-butanol production in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2006, 70, 237-246.	1.7	35
175	Enzymatic circularization of a malto-octaose linear chain studied by stochastic reaction path calculations on cyclodextrin glycosyltransferase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2001, 43, 327-335.	1.5	34
176	The Physiology and Biochemistry of Aerobic Methanol-Utilizing Gram-Negative and Gram-Positive Bacteria. , 1992, , 149-181.		34
177	Formaldehyde dismutase activities in Gram-positive bacteria oxidizing methanol. <i>Journal of General Microbiology</i> , 1993, 139, 1979-1985.	2.3	34
178	[60] 3-Hexulose-6-phosphate synthase from thermotolerant methylotroph <i>Bacillus</i> C1. <i>Methods in Enzymology</i> , 1990, 188, 391-397.	0.4	33
179	Efficient Screening Methods for Glucosyltransferase Genes in <i>Lactobacillus</i> Strains. <i>Biocatalysis and Biotransformation</i> , 2003, 21, 181-187.	1.1	33
180	Two Novel, Putatively Cell Wall-Associated and Glycosylphosphatidylinositol-Anchored α -Glucanotransferase Enzymes of <i>Aspergillus niger</i> . <i>Eukaryotic Cell</i> , 2007, 6, 1178-1188.	3.4	33

#	ARTICLE	IF	CITATIONS
181	Export, purification, and activities of affinity tagged <i>Lactobacillus reuteri</i> levansucrase produced by <i>Bacillus megaterium</i> . <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 1062-1073.	1.7	33
182	Glucan-oligomers initially formed by the reuteransucrase enzyme of <i>Lactobacillus reuteri</i> 121 incubated with sucrose and malto-oligosaccharides. <i>Glycobiology</i> , 2013, 23, 1084-1096.	1.3	33
183	Residue Leu940 Has a Crucial Role in the Linkage and Reaction Specificity of the Glucansucrase GTF180 of the Probiotic Bacterium <i>Lactobacillus reuteri</i> 180. <i>Journal of Biological Chemistry</i> , 2014, 289, 32773-32782.	1.6	33
184	Characterization of the glucansucrase GTF180 W1065 mutant enzymes producing polysaccharides and oligosaccharides with altered linkage composition. <i>Food Chemistry</i> , 2017, 217, 81-90.	4.2	33
185	Purification and characterization of an activator protein for methanol dehydrogenase from thermotolerant <i>Bacillus</i> spp. <i>Journal of Biological Chemistry</i> , 1991, 266, 3955-60.	1.6	33
186	A new group of glycoside hydrolase family 13 α -amylases with an aberrant catalytic triad. <i>Scientific Reports</i> , 2017, 7, 44230.	1.6	32
187	Purification and Characterization of an <i>l</i> -Aminopeptidase from <i>Pseudomonas putida</i> ATCC 12633. <i>Applied and Environmental Microbiology</i> , 1993, 59, 4330-4334.	1.4	32
188	Regulation of methanol metabolism in the yeast <i>Hansenula polymorpha</i> . <i>Archives of Microbiology</i> , 1987, 147, 375-382.	1.0	31
189	Nucleotide sequences of the genes encoding fructosebisphosphatase and phosphoribulokinase from <i>Xanthobacter flavus</i> H4-14. <i>Journal of General Microbiology</i> , 1990, 136, 2225-2230.	2.3	31
190	Primary structure and phylogeny of the Calvin cycle enzymes transketolase and fructosebisphosphate aldolase of <i>Xanthobacter flavus</i> . <i>Journal of Bacteriology</i> , 1996, 178, 888-893.	1.0	31
191	Biochemical and crystallographic characterization of a glucansucrase from <i>Lactobacillus reuteri</i> 180. <i>Biocatalysis and Biotransformation</i> , 2008, 26, 12-17.	1.1	31
192	Structural Analysis of Bioengineered α -D-Glucan Produced by a Triple Mutant of the Glucansucrase GTF180 Enzyme from <i>Lactobacillus reuteri</i> Strain 180: Generation of $(\alpha$ -1,4) Linkages in a Native $(\alpha$ -1,3)(α -1,6)- α -D-Glucan. <i>Biomacromolecules</i> , 2008, 9, 2251-2258.	2.6	31
193	Characterization of the Functional Roles of Amino Acid Residues in Acceptor-binding Subsite +1 in the Active Site of the Glucansucrase GTF180 from <i>Lactobacillus reuteri</i> 180. <i>Journal of Biological Chemistry</i> , 2015, 290, 30131-30141.	1.6	31
194	Structural and functional characterization of a family GH53 β -1,4-galactanase from <i>Bacteroides thetaiotaomicron</i> that facilitates degradation of prebiotic galactooligosaccharides. <i>Journal of Structural Biology</i> , 2019, 205, 1-10.	1.3	31
195	Dietary N-glycans from Bovine Lactoferrin and TLR Modulation. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700389.	1.5	31
196	Regulation of gluconate and ketogluconate production in <i>Gluconobacter oxydans</i> ATCC 621-H. <i>Archives of Microbiology</i> , 1988, 149, 534-539.	1.0	30
197	Synthesis of Malto-Oligosaccharides Via the Acceptor Reaction Catalyzed by Cyclodextrin Glycosyltransferases. <i>Biocatalysis and Biotransformation</i> , 2001, 19, 21-35.	1.1	30
198	Structural Features in the KshA Terminal Oxygenase Protein That Determine Substrate Preference of 3-Ketosteroid 9 α -Hydroxylase Enzymes. <i>Journal of Bacteriology</i> , 2012, 194, 115-121.	1.0	30

#	ARTICLE	IF	CITATIONS
199	Engineering of the <i>Bacillus circulans</i> β -Galactosidase Product Specificity. <i>Biochemistry</i> , 2017, 56, 704-711.	1.2	30
200	Trans- β -glucosylation of stevioside by the mutant glucansucrase enzyme Gtf180- β -N-Q1140E improves its taste profile. <i>Food Chemistry</i> , 2019, 272, 653-662.	4.2	30
201	Purification and Characterization of an <i>scpA</i> -Amino Amidase from <i>Mycobacterium neoaurum</i> ATCC 25795. <i>Applied and Environmental Microbiology</i> , 1994, 60, 153-159.	1.4	30
202	Role of asparagine 1134 in glucosidic bond and transglycosylation specificity of reuteransucrase from <i>Lactobacillus reuteri</i> 121. <i>FEBS Journal</i> , 2006, 273, 3735-3742.	2.2	29
203	Degradation of Granular Starch by the Bacterium <i>Mycobacterium aurum</i> Strain B8.A Involves a Modular α -Amylase Enzyme System with FNIII and CBM25 Domains. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6610-6620.	1.4	29
204	Structural Identity of Galactooligosaccharide Molecules Selectively Utilized by Single Cultures of Probiotic Bacterial Strains. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13969-13977.	2.4	29
205	Substrate inhibition in <i>Pseudomonas oxalaticus</i> OX1: a kinetic study of growth inhibition by oxalate and formate using extended cultures. <i>Antonie Van Leeuwenhoek</i> , 1975, 41, 135-146.	0.7	28
206	Metabolic regulation in <i>Pseudomonas oxalaticus</i> OX1. Diauxic growth on mixtures of oxalate and formate or acetate. <i>Archives of Microbiology</i> , 1980, 124-124, 261-268.	1.0	28
207	Uptake of methylamine via an inducible, energy-dependent transport system in the facultative methylotroph <i>Arthrobacter</i> P1. <i>Archives of Microbiology</i> , 1982, 133, 261-266.	1.0	28
208	Purification, characterization and regulation of a monomeric l-phenylalanine dehydrogenase from the facultative methylotroph <i>Nocardia</i> sp. 239. <i>Archives of Microbiology</i> , 1989, 153, 12-18.	1.0	28
209	Highly Efficient Chemoenzymatic Synthesis of Novel Branched Thiooligosaccharides by Substrate Direction with Glucansucrases. <i>ChemBioChem</i> , 2007, 8, 273-276.	1.3	28
210	Carbohydrate-binding module 74 is a novel starch-binding domain associated with large and multidomain α -amylase enzymes. <i>FEBS Journal</i> , 2016, 283, 2354-2368.	2.2	28
211	Regional variations in human milk oligosaccharides in Vietnam suggest FucTx activity besides FucT2 and FucT3. <i>Scientific Reports</i> , 2018, 8, 16790.	1.6	28
212	A protein having similarity with methylmalonyl-CoA mutase is required for the assimilation of methanol and ethanol by <i>Methylobacterium extorquens</i> AM1. <i>Microbiology (United Kingdom)</i> , 1996, 142, 675-684.	0.7	27
213	Development of a ^1H NMR structural-reporter-group concept for the analysis of prebiotic galacto-oligosaccharides of the $[\beta\text{-d-Gal p}-(1\rightarrow'x)]_n\text{-d-Glc p}$ type. <i>Carbohydrate Research</i> , 2014, 400, 54-58.	1.1	27
214	<i>Lactobacillus reuteri</i> Strains Convert Starch and Maltodextrins into Homoexopolysaccharides Using an Extracellular and Cell-Associated 4,6- β -Glucanotransferase. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2941-2952.	2.4	27
215	Mining novel starch-converting Glycoside Hydrolase 70 enzymes from the Nestlé Culture Collection genome database: The <i>Lactobacillus reuteri</i> NCC 2613 GtfB. <i>Scientific Reports</i> , 2017, 7, 9947.	1.6	27
216	Glucansucrase (mutant) enzymes from <i>Lactobacillus reuteri</i> 180 efficiently transglucosylate Stevia component rebaudioside A, resulting in a superior taste. <i>Scientific Reports</i> , 2018, 8, 1516.	1.6	27

#	ARTICLE	IF	CITATIONS
217	Aerobic degradation of phytoplankton debris dominated by <i>Phaeocystis</i> sp. in different physiological stages of growth. <i>Aquatic Microbial Ecology</i> , 1997, 12, 11-19.	0.9	27
218	THE RELATION BETWEEN THE GENETIC DETERMINATION AND THE ECOLOGICAL SIGNIFICANCE OF THE SEED WING IN <i>SPERGULARIA MEDIA</i> AND <i>S. MARINA</i> . <i>Acta Botanica Neerlandica</i> , 1972, 21, 481-490.	1.0	26
219	Transformation of the Methylotrophic Actinomycete <i>Amycolatopsis methanolica</i> with Plasmid DNA: Stimulatory Effect of a pMEA300-Encoded Gene. <i>Plasmid</i> , 1995, 34, 96-104.	0.4	26
220	Truncation of domain V of the multidomain glucanase GTF180 of <i>Lactobacillus reuteri</i> 180 heavily impairs its polysaccharide-synthesizing ability. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 5885-5894.	1.7	26
221	Biochemical characterization of two GH70 family 4,6- α -glucanotransferases with distinct product specificity from <i>Lactobacillus aviarius</i> subsp. <i>aviarius</i> DSM 20655. <i>Food Chemistry</i> , 2018, 253, 236-246.	4.2	26
222	Characterization of the <i>Paenibacillus beijingensis</i> DSM 24997 GtfD and its glucan polymer products representing a new glycoside hydrolase 70 subfamily of 4,6- α -glucanotransferase enzymes. <i>PLoS ONE</i> , 2017, 12, e0172622.	1.1	26
223	Turnover of dimethylsulfoniopropionate and dimethylsulfide in the marine environment: a mesocosm experiment. <i>Marine Ecology - Progress Series</i> , 1996, 145, 223-232.	0.9	26
224	Mutational analysis of exopolysaccharide biosynthesis by <i>Lactobacillus sakei</i> 0-1. <i>FEMS Microbiology Letters</i> , 1998, 169, 241-249.	0.7	25
225	The fully conserved Asp residue in conserved sequence region I of the α -amylase family is crucial for the catalytic site architecture and activity. <i>FEBS Letters</i> , 2003, 541, 47-51.	1.3	25
226	Single Amino Acid Mutations Interchange the Reaction Specificities of Cyclodextrin Glycosyltransferase and the Acarbose-Modifying Enzyme Acarviosyl Transferase. <i>Biochemistry</i> , 2004, 43, 13204-13213.	1.2	25
227	Structure and Catalytic Mechanism of 3-Ketosteroid-4-(5 α)-dehydrogenase from <i>Rhodococcus jostii</i> RHA1 Genome. <i>Journal of Biological Chemistry</i> , 2012, 287, 30975-30983.	1.6	25
228	Biosynthesis of a steroid metabolite by an engineered <i>Rhodococcus erythropolis</i> strain expressing a mutant cytochrome P450 BM3 enzyme. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4713-4721.	1.7	25
229	Synthesis of New Hyperbranched α -Glucans from Sucrose by <i>Lactobacillus reuteri</i> 180 Glucanase Mutants. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 433-442.	2.4	25
230	Glycerol metabolism in the methylotrophic yeast <i>Hansenula polymorpha</i> : phosphorylation as the initial step. <i>Archives of Microbiology</i> , 1987, 148, 314-320.	1.0	24
231	Environmental regulation of alcohol metabolism in thermotolerant methylotrophic <i>Bacillus</i> strains. <i>Archives of Microbiology</i> , 1992, 157, 272-278.	1.0	24
232	Anaerobic degradation of dimethylsulfoniopropionate to 3-S-methylmercaptopropionate by a marine <i>Desulfobacterium</i> strain. <i>Archives of Microbiology</i> , 1993, 160, 411-412.	1.0	24
233	Growth of the salt-tolerant yeast in microtiter plates: effects of NaCl, pH and temperature on growth and fusel alcohol production from branched-chain amino acids. <i>FEMS Yeast Research</i> , 2003, 3, 313-318.	1.1	24
234	(De)regulation of key enzyme steps in the shikimate pathway and phenylalanine-specific pathway of the actinomycete <i>Amycolatopsis methanolica</i> . <i>Microbiology (United Kingdom)</i> , 2003, 149, 3321-3330.	0.7	24

#	ARTICLE	IF	CITATIONS
235	Exo-inulinase of <i>Aspergillus niger</i> N402: A hydrolytic enzyme with significant transfructosylating activity. <i>Biocatalysis and Biotransformation</i> , 2008, 26, 49-58.	1.1	24
236	Chaplins of <i>Streptomyces coelicolor</i> self-assemble into two distinct functional amyloids. <i>Journal of Structural Biology</i> , 2013, 184, 301-309.	1.3	24
237	Structures, physico-chemical properties, production and (potential) applications of sucrose-derived β -D-glucans synthesized by glucansucrases. <i>Carbohydrate Polymers</i> , 2020, 249, 116818.	5.1	24
238	Biochemical characterization of <i>Aspergillus niger</i> Cfcl, a glycoside hydrolase family 18 chitinase that releases monomers during substrate hydrolysis. <i>Microbiology (United Kingdom)</i> , 2012, 158, 2168-2179.	0.7	23
239	The role of conserved inulosucrase residues in the reaction and product specificity of <i>Lactobacillus reuteri</i> inulosucrase. <i>FEBS Journal</i> , 2012, 279, 3612-3621.	2.2	23
240	Molecular characterization of ltp3 and ltp4, essential for C24-branched chain sterol-side-chain degradation in <i>Rhodococcus rhodochrous</i> DSM 43269. <i>Microbiology (United Kingdom)</i> , 2012, 158, 3054-3062.	0.7	23
241	Biosynthesis of L-Phenylalanine and L-Tyrosine in the Actinomycete <i>Amycolatopsis methanolica</i> . <i>Applied and Environmental Microbiology</i> , 1995, 61, 1298-1302.	1.4	23
242	Systems Approaches to Predict the Functions of Glycoside Hydrolases during the Life Cycle of <i>Aspergillus niger</i> Using Developmental Mutants Δ trbA and Δ trbA. <i>PLoS ONE</i> , 2015, 10, e0116269.	1.1	22
243	Biochemical characterization of a GH70 protein from <i>Lactobacillus kunkeei</i> DSM 12361 with two catalytic domains involving branching sucrose activity. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 7935-7950.	1.7	22
244	Active transport of oxalate by <i>Pseudomonas oxalaticus</i> OX1. <i>Archives of Microbiology</i> , 1977, 115, 223-227.	1.0	21
245	Genetic manipulation of the restricted facultative methylotroph <i>Hyphomicrobium X</i> by the R-plasmid-mediated introduction of the <i>Escherichia coli</i> pdh genes. <i>Archives of Microbiology</i> , 1984, 139, 311-318.	1.0	21
246	Regulation of flavin biosynthesis in the methylotrophic yeast <i>Hansenula polymorpha</i> . <i>Archives of Microbiology</i> , 1986, 145, 62-70.	1.0	21
247	Nicotinoprotein methanol dehydrogenase enzymes in Gram-positive methylotrophic bacteria. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2000, 8, 103-109.	1.8	21
248	N- and O-Glycosylation of a Commercial Bovine Whey Protein Product. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 12553-12564.	2.4	21
249	Biochemical characterization of mutants in the active site residues of the β -galactosidase enzyme of <i>Bacillus circulans</i> ATCC 31382. <i>FEBS Open Bio</i> , 2014, 4, 1015-1020.	1.0	21
250	Flexibility of truncated and full-length glucansucrase <i>GTF</i> 180 enzymes from <i>Lactobacillus reuteri</i> 180. <i>FEBS Journal</i> , 2014, 281, 2159-2171.	2.2	21
251	Habitat-specific type I polyketide synthases in soils and street sediments. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 75-85.	1.4	21
252	Dynamic Temporal Variations in Bovine Lactoferrin Glycan Structures. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 549-560.	2.4	21

#	ARTICLE	IF	CITATIONS
253	The impact of oligosaccharide content, glycosidic linkages and lactose content of galacto-oligosaccharides (GOS) on the expression of mucus-related genes in goblet cells. <i>Food and Function</i> , 2020, 11, 3506-3515.	2.1	21
254	Prephenate dehydratase of the actinomycete <i>Amycolatopsis methanolica</i> : purification and characterization of wild-type and deregulated mutant proteins. <i>Biochemical Journal</i> , 1995, 308, 313-320.	1.7	20
255	Identification of the minimal replicon of plasmid pMEA300 of the methylotrophic actinomycete <i>Amycolatopsis methanolica</i> . <i>Molecular Microbiology</i> , 1995, 18, 21-31.	1.2	20
256	Galactosyl-Lactose Sialylation Using <i>Trypanosoma cruzi</i> trans-Sialidase as the Biocatalyst and Bovine β -Casein-Derived Glycomacropeptide as the Donor Substrate. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5984-5991.	1.4	20
257	Regulation of autotrophic and heterotrophic metabolism in <i>Pseudomonas oxalaticus</i> OX1: Growth on mixtures of oxalate and formate in continuous culture. <i>Archives of Microbiology</i> , 1979, 123, 55-63.	1.0	19
258	Mutational analysis of exopolysaccharide biosynthesis by <i>Lactobacillus sakei</i> O-1. <i>FEMS Microbiology Letters</i> , 1998, 169, 241-249.	0.7	19
259	Molecular, Biochemical, and Functional Characterization of a Nudix Hydrolase Protein That Stimulates the Activity of a Nicotinoprotein Alcohol Dehydrogenase. <i>Journal of Biological Chemistry</i> , 2002, 277, 34785-34792.	1.6	19
260	Structural analysis of rebaudioside A derivatives obtained by <i>Lactobacillus reuteri</i> 180 glucansucrase-catalyzed trans- β -glucosylation. <i>Carbohydrate Research</i> , 2017, 440-441, 51-62.	1.1	19
261	The evolutionary origin and possible functional roles of FNIII domains in two <i>Microbacterium aurum</i> B8.A granular starch degrading enzymes, and in other carbohydrate acting enzymes. <i>Amylase</i> , 2017, 1, 1-11.	0.7	19
262	Regulation of methylotrophic and heterotrophic metabolism in <i>Arthrobacter</i> P1. Growth on mixtures of methylamine and acetate in batch and continuous cultures. <i>Archives of Microbiology</i> , 1985, 142, 113-120.	1.0	18
263	Regulation of aromatic amino acid biosynthesis in the ribulose monophosphate cycle methylotroph <i>Nocardia</i> sp. 239. <i>Archives of Microbiology</i> , 1989, 151, 319-325.	1.0	18
264	Microbial and enzymatic processes for l-phenylalanine production. <i>Advances in Biochemical Engineering/Biotechnology</i> , 1990, , 1-27.	0.6	18
265	A novel dye-linked alcohol dehydrogenase activity present in some Gram-positive bacteria. <i>FEMS Microbiology Letters</i> , 1991, 80, 57-64.	0.7	18
266	Tetrazolium-Dye-Linked Alcohol Dehydrogenase of the Methylotrophic Actinomycete <i>Amycolatopsis Methanolica</i> is a Three-Component Complex. <i>FEBS Journal</i> , 1997, 247, 280-287.	0.2	18
267	Fructansucrase enzymes and sucrose analogues: A new approach for the synthesis of unique fructo-oligosaccharides. <i>Biocatalysis and Biotransformation</i> , 2008, 26, 32-41.	1.1	18
268	Synthesis of oligo- and polysaccharides by <i>Lactobacillus reuteri</i> 121 reuteransucrase at high concentrations of sucrose. <i>Carbohydrate Research</i> , 2015, 414, 85-92.	1.1	18
269	Structural and Functional Characterization of a Novel Family GH115 4-O-Methyl- β -Glucuronidase with Specificity for Decorated Arabinogalactans. <i>Journal of Molecular Biology</i> , 2015, 427, 3935-3946.	2.0	18
270	Intriguing Functionality of the Production and Conversion of DMSP in <i>Phaeocystis</i> SP. , 1996, , 305-315.		18

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271	Development of Slowly Digestible Starch Derived α -Glucans with 4,6- α -Glucanotransferase and Branching Sucrase Enzymes. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 6664-6671.	2.4	18
272	Maltodextrin-dependent crystallization of cyclomaltodextrin glucanotransferase from <i>Bacillus circulans</i> . <i>Journal of Molecular Biology</i> , 1990, 214, 807-809.	2.0	17
273	Chitinases CtcB and Cfcl modify the cell wall in sporulating aerial mycelium of <i>Aspergillus niger</i> . <i>Microbiology (United Kingdom)</i> , 2013, 159, 1853-1867.	0.7	17
274	Structural determinants of alternating (α 1 \rightarrow 4) and (α 1 \rightarrow 6) linkage specificity in reuteransucrase of <i>Lactobacillus reuteri</i> . <i>Scientific Reports</i> , 2016, 6, 35261.	1.6	17
275	Glucansucrase Gtf180-N of <i>Lactobacillus reuteri</i> 180: enzyme and reaction engineering for improved glycosylation of non-carbohydrate molecules. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 7529-7539.	1.7	17
276	A pyridine nucleotide-independent membrane-bound formate dehydrogenase in <i>Pseudomonas oxalaticus</i> OX1. <i>FEMS Microbiology Letters</i> , 1979, 6, 53-56.	0.7	16
277	Enzymatic evidence for the operation of the FBP aldolase cleavage and TK/TA re-arrangement variant of the RuMP cycle in <i>Arthrobacter P1</i> . <i>FEMS Microbiology Letters</i> , 1982, 14, 257-261.	0.7	16
278	Modification of flavin adenine dinucleotide in alcohol oxidase of the yeast <i>Hansenula polymorpha</i> . <i>Journal of General Microbiology</i> , 1991, 137, 2381-2386.	2.3	16
279	Structural analysis of a stereochemical modification of flavin adenine dinucleotide in alcohol oxidase from methylotrophic yeasts. <i>Tetrahedron</i> , 1992, 48, 4147-4162.	1.0	16
280	Engineering cyclodextrin glycosyltransferase into a starch hydrolase with a high exo-specificity. <i>Journal of Biotechnology</i> , 2003, 103, 203-212.	1.9	16
281	Kinetic characterization of <i>Aspergillus niger</i> chitinase Cfcl using a HPAEC-PAD method for native chitin oligosaccharides. <i>Carbohydrate Research</i> , 2015, 407, 73-78.	1.1	16
282	Glucosylation of Catechol with the GTFA Glucansucrase Enzyme from <i>Lactobacillus reuteri</i> and Sucrose as Donor Substrate. <i>Bioconjugate Chemistry</i> , 2016, 27, 937-946.	1.8	16
283	Large-scale quantitative isolation of pure protein N-linked glycans. <i>Carbohydrate Research</i> , 2019, 479, 13-22.	1.1	16
284	Metabolic regulation in the facultative methylotroph <i>Arthrobacter P1</i> . Growth on primary amines as carbon and energy sources. <i>Archives of Microbiology</i> , 1984, 139-139, 188-195.	1.0	15
285	Isolation and characterization of mutants of the facultative methylotroph <i>Arthrobacter P1</i> blocked in one-carbon metabolism. <i>Archives of Microbiology</i> , 1987, 146, 346-352.	1.0	15
286	Regulation of methanol metabolism in the facultative methylotroph <i>Nocardia sp. 239</i> during growth on mixed substrates in batch- and continuous cultures. <i>Archives of Microbiology</i> , 1990, 153, 337-343.	1.0	15
287	Identification and functional analysis of the transfer region of plasmid pMEA300 of the methylotrophic actinomycete <i>Amycolatopsis methanolica</i> . <i>Journal of Bacteriology</i> , 1995, 177, 6499-6505.	1.0	15
288	Hybrid reuteransucrase enzymes reveal regions important for glucosidic linkage specificity and the transglucosylation/hydrolysis ratio. <i>FEBS Journal</i> , 2008, 275, 6002-6010.	2.2	15

#	ARTICLE	IF	CITATIONS
289	Binding Interactions Between β -glucans from <i>Lactobacillus reuteri</i> and Milk Proteins Characterised by Surface Plasmon Resonance. <i>Food Biophysics</i> , 2012, 7, 220-226.	1.4	15
290	Enzymatic Decoration of Prebiotic Galacto-oligosaccharides (Vivinal GOS) with Sialic Acid Using <i>Trypanosoma cruzi</i> trans-Sialidase and Two Bovine Sialoglycoconjugates as Donor Substrates. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 5976-5984.	2.4	15
291	Characterization of the 4,6- β -glucanotransferase GTFB enzyme of <i>Lactobacillus reuteri</i> 121 isolated from inclusion bodies. <i>BMC Biotechnology</i> , 2015, 15, 49.	1.7	15
292	Metabolic regulation in <i>Pseudomonas oxalaticus</i> OX1. <i>Archives of Microbiology</i> , 1978, 116, 85-90.	1.0	14
293	Genome-wide transcription survey on flavour production in <i>Saccharomyces cerevisiae</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2006, 22, 1347-1356.	1.7	14
294	Characterization of the starvation-induced chitinase CfcA and β -1,3-glucanase AgnB of <i>Aspergillus niger</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2209-2223.	1.7	14
295	Structural Comparison of Different Galacto-oligosaccharide Mixtures Formed by β -Galactosidases from Lactic Acid Bacteria and Bifidobacteria. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4437-4446.	2.4	14
296	Molecular and biochemical characteristics of the inulosucrase HugO from <i>Streptomyces viridochromogenes</i> DSM40736 (TÅ14494). <i>Microbiology (United Kingdom)</i> , 2017, 163, 1030-1041.	0.7	14
297	Chorismate mutase and 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase of the methylotrophic actinomycete <i>Amycolatopsis methanolica</i> . <i>Applied and Environmental Microbiology</i> , 1995, 61, 3796-3803.	1.4	14
298	Insights into Broad-Specificity Starch Modification from the Crystal Structure of <i>Limosilactobacillus Reuteri</i> NCC 2613 4,6- β -Glucanotransferase GtfB. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 13235-13245.	2.4	14
299	Regulation of methylamine and formaldehyde metabolism in <i>Arthrobacter</i> P1. <i>Archives of Microbiology</i> , 1986, 144, 272-278.	1.0	13
300	Regulation and function of transaldolase isoenzymes involved in sugar and one-carbon metabolism in the ribulose monophosphate cycle methylotroph <i>Arthrobacter</i> P1. <i>Archives of Microbiology</i> , 1986, 144, 116-123.	1.0	13
301	Regulation of methanol oxidation and carbon dioxide fixation in <i>Xanthobacter</i> strain 25a grown in continuous culture. <i>Archives of Microbiology</i> , 1991, 155, 159-163.	1.0	13
302	Molecular cloning with a pMEA300-derived shuttle vector and characterization of the <i>Amycolatopsis methanolica</i> prephenate dehydratase gene. <i>Journal of Bacteriology</i> , 1995, 177, 6666-6669.	1.0	13
303	Growth of the salt-tolerant yeast <i>Zygosaccharomyces rouxi</i> in microtiter plates: effects of NaCl, pH and temperature on growth and fusel alcohol production from branched-chain amino acids. <i>FEMS Yeast Research</i> , 2003, 3, 313-318.	1.1	13
304	Actinomycete integrative and conjugative pMEA-like elements of <i>Amycolatopsis</i> and <i>Saccharopolyspora</i> decoded. <i>Plasmid</i> , 2008, 59, 202-216.	0.4	13
305	SapB and the rodins are required for development of <i>Streptomyces coelicolor</i> in high osmolarity media. <i>FEMS Microbiology Letters</i> , 2012, 329, 154-159.	0.7	13
306	Structural characterization of glucosylated lactose derivatives synthesized by the <i>Lactobacillus reuteri</i> GtfA and Gtf180 glucansucrase enzymes. <i>Carbohydrate Research</i> , 2017, 449, 59-64.	1.1	13

#	ARTICLE	IF	CITATIONS
307	Synthesis of galacto-oligosaccharides derived from lactulose by wild-type and mutant β -galactosidase enzymes from <i>Bacillus circulans</i> ATCC 31382. <i>Carbohydrate Research</i> , 2018, 465, 58-65.	1.1	12
308	Inhibitory Effects of Dietary N-Glycans From Bovine Lactoferrin on Toll-Like Receptor 8; Comparing Efficacy With Chloroquine. <i>Frontiers in Immunology</i> , 2020, 11, 790.	2.2	12
309	Biochemical Characterization of the Functional Roles of Residues in the Active Site of the β -Galactosidase from <i>Bacillus circulans</i> ATCC 31382. <i>Biochemistry</i> , 2017, 56, 3109-3118.	1.2	12
310	Regulation of methylamine and formaldehyde metabolism in <i>Arthrobacter</i> P1. <i>Archives of Microbiology</i> , 1986, 144, 279-285.	1.0	11
311	Emendation of <i>Xanthobacter flavus</i> as a Motile Species. <i>International Journal of Systematic Bacteriology</i> , 1992, 42, 309-311.	2.8	11
312	Fructosebisphosphatase isoenzymes of the chemoautotroph <i>Xanthobacter flavus</i> . <i>Journal of Bacteriology</i> , 1995, 177, 5860-5864.	1.0	11
313	Characterization of the starch-acting MaAmyB enzyme from <i>Microbacterium aurum</i> B8.A representing the novel subfamily GH13_42 with an unusual, multi-domain organization. <i>Scientific Reports</i> , 2016, 6, 36100.	1.6	11
314	3-Hydroxybenzoate 6-Hydroxylase from <i>Rhodococcus jostii</i> RHA1 Contains a Phosphatidylinositol Cofactor. <i>Frontiers in Microbiology</i> , 2017, 8, 1110.	1.5	11
315	In Depth Analysis of the Contribution of Specific Glycoproteins to the Overall Bovine Whey N-Linked Glycoprofile. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 6544-6553.	2.4	11
316	Extraction and Quantitative Analysis of Goat Milk Oligosaccharides: Composition, Variation, Associations, and δ -FL Variability. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 7851-7862.	2.4	11
317	Classical transketolase functions as the formaldehyde-assimilating enzyme during growth of a dihydroxyacetone synthase-negative mutant of the methylotrophic yeast <i>Hansenula polymorpha</i> on mixtures of xylose and methanol in continuous cultures. <i>Yeast</i> , 1990, 6, 117-125.	0.8	10
318	Enzymic synthesis of cyclotiomaltins. <i>Chemical Communications</i> , 1996, , 2541.	2.2	10
319	Effects of the Calvin Cycle on Nicotinamide Adenine Dinucleotide Concentrations and Redox Balances of <i>Xanthobacter flavus</i> . <i>Journal of Bacteriology</i> , 2000, 182, 4637-4639.	1.0	10
320	Evolution toward Small Molecule Inhibitor Resistance Affects Native Enzyme Function and Stability, Generating Acarbose-insensitive Cyclodextrin Glucanotransferase Variants. <i>Journal of Biological Chemistry</i> , 2008, 283, 10727-10734.	1.6	10
321	Structural basis for the roles of starch and sucrose in homo-exopolysaccharide formation by <i>Lactobacillus reuteri</i> 35-5. <i>Carbohydrate Polymers</i> , 2016, 151, 29-39.	5.1	10
322	Molecular characterization of a <i>Rhodococcus jostii</i> RHA1 β -butyrolactone(-like) signalling molecule and its main biosynthesis gene <i>gblA</i> . <i>Scientific Reports</i> , 2017, 7, 17743.	1.6	10
323	Synthesis and Characterization of Sialylated Lactose- and Lactulose-Derived Oligosaccharides by <i>Trypanosoma cruzi</i> Trans-sialidase. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3469-3479.	2.4	10
324	Engineering of Hydrolysis Reaction Specificity in the Transglycosylase Cyclodextrin Glycosyltransferase. <i>Biocatalysis and Biotransformation</i> , 2003, 21, 261-270.	1.1	9

#	ARTICLE	IF	CITATIONS
325	Prevalence and distribution of nucleotide sequences typical for pMEA-like accessory genetic elements in the genus <i>Amycolatopsis</i> . <i>FEMS Microbiology Ecology</i> , 2007, 61, 285-294.	1.3	9
326	An Unconventional Glycosyl Transfer Reaction: Glucansucrase GTFA Functions as an Allosyltransferase Enzyme. <i>ChemBioChem</i> , 2013, 14, 2423-2426.	1.3	9
327	Thermostability of L-phenylalanine aminotransferase from thermophilic bacteria. <i>Applied Microbiology and Biotechnology</i> , 1987, 27, 292.	1.7	8
328	Nitrogen metabolism in the facultative methylotroph <i>Arthrobacter</i> P1 grown with various amines or ammonia as nitrogen sources. <i>Antonie Van Leeuwenhoek</i> , 1989, 56, 221-232.	0.7	8
329	Mutational analysis of primary alcohol metabolism in the methylotrophic actinomycete <i>Amycolatopsis methanolica</i> . <i>FEMS Microbiology Letters</i> , 1996, 144, 73-79.	0.7	8
330	A GH57 4- α -glucanotransferase of hyperthermophilic origin with potential for alkyl glycoside production. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 7101-7113.	1.7	8
331	Modification of linear (α 1 \rightarrow 3)-linked gluco-oligosaccharides with a novel recombinant α 2-glucosyltransferase (α 1 \rightarrow 2-glucosidase) enzyme from <i>Bradyrhizobium diazoefficiens</i> . <i>Glycobiology</i> , 2016, 26, 1157-1170.	1.3	8
332	2- α -Fucosyllactose impacts the expression of mucus-related genes in goblet cells and maintains barrier function of gut epithelial cells. <i>Journal of Functional Foods</i> , 2021, 85, 104630.	1.6	8
333	Purification and characterization of an NAD ⁺ -linked formaldehyde dehydrogenase from the facultative RuMP cycle methylotroph <i>Arthrobacter</i> P1. <i>Antonie Van Leeuwenhoek</i> , 1992, 62, 201-207.	0.7	7
334	RepAM of the <i>Amycolatopsis methanolica</i> integrative element pMEA300 belongs to a novel class of replication initiator proteins. <i>Microbiology (United Kingdom)</i> , 2006, 152, 2943-2950.	0.7	7
335	Positioning functional foods in an ecological approach to the prevention of overweight and obesity. <i>Obesity Reviews</i> , 2008, 9, 464-473.	3.1	7
336	GtfC Enzyme of <i>Geobacillus</i> sp. 12AMOR1 Represents a Novel Thermostable Type of GH70 4,6- α -Glucanotransferase That Synthesizes a Linear Alternating (α 1 \rightarrow 6)/(α 1 \rightarrow 4)- α -Glucan and Delays Bread Staling. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9859-9868.	2.4	7
337	Properties of the Glucan Branching Enzyme of the Hyperthermophilic Bacterium <i>Aquifex aeolicus</i> . <i>Biocatalysis and Biotransformation</i> , 2003, 21, 199-207.	1.1	7
338	Regulation of Autotrophic Metabolism in <i>Pseudomonas oxalaticus</i> OX1 Wild-type and an Isocitrate-lyase-deficient Mutant. <i>Microbiology (United Kingdom)</i> , 1988, 134, 3231-3237.	0.7	6
339	Methanol metabolism in thermotolerant methylotrophic <i>Bacillus</i> species. <i>FEMS Microbiology Letters</i> , 1990, 87, 215-220.	0.7	6
340	Metabolic regulation in the yeast <i>Hansenula polymorpha</i> . Growth of dihydroxyacetone kinase/glycerol kinase-negative mutants on mixtures of methanol and xylose in continuous cultures. <i>Yeast</i> , 1990, 6, 107-115.	0.8	6
341	[35] Methanol dehydrogenase from thermotolerant METHYLOTROPH <i>Bacillus</i> C1. <i>Methods in Enzymology</i> , 1990, 188, 223-226.	0.4	6
342	Improved method for the isolation of RNA from (standing liquid cultures of) <i>Streptomyces</i> . <i>Journal of Microbiological Methods</i> , 2004, 58, 139-142.	0.7	6

#	ARTICLE	IF	CITATIONS
343	Catechol glucosides act as donor/acceptor substrates of glucansucrase enzymes of <i>Lactobacillus reuteri</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 4495-4505.	1.7	6
344	Mutational Analysis of the Role of the Glucansucrase Gtf180's N Active Site Residues in Product and Linkage Specificity with Lactose as Acceptor Substrate. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12544-12554.	2.4	6
345	Quantitative analysis of bovine whey glycoproteins using the overall N-linked whey glycoprofile. <i>International Dairy Journal</i> , 2020, 110, 104814.	1.5	6
346	Potential Dental Biofilm Inhibitors: Dynamic Combinatorial Chemistry Affords Sugar-Based Molecules that Target Bacterial Glucosyltransferase. <i>ChemMedChem</i> , 2021, 16, 113-123.	1.6	6
347	The rapid isolation of mutants of some Gram-positive bacteria. <i>FEMS Microbiology Letters</i> , 1981, 12, 51-53.	0.7	5
348	[63] Transaldolase Isoenzymes from <i>Arthrobacter P1</i> . <i>Methods in Enzymology</i> , 1990, 188, 405-411.	0.4	5
349	Methanol-dependent production of dihydroxyacetone and glycerol by mutants of the methylotrophic yeast <i>Hansenula polymorpha</i> blocked in dihydroxyacetone kinase and glycerol kinase. <i>Applied Microbiology and Biotechnology</i> , 1990, 32, 693-698.	1.7	5
350	Biosynthesis of aromatic amino acids in <i>Nocardia</i> sp. 239: effects of amino acid analogues on growth and regulatory enzymes. <i>Applied Microbiology and Biotechnology</i> , 1990, 33, 183-189.	1.7	5
351	Isolation and analysis of mutants of the methylotrophic actinomycete <i>Amiclotopsis methanolicablocked</i> in aromatic amino acid biosynthesis. <i>FEMS Microbiology Letters</i> , 1996, 136, 275-281.	0.7	5
352	High-throughput screening for gene libraries expressing carbohydrate hydrolase activity. <i>Biotechnology Letters</i> , 2003, 25, 1643-1645.	1.1	5
353	Purification, crystallization and preliminary X-ray analysis of a thermostable glycoside hydrolase family 43 β -xylosidase from <i>Geobacillus thermoleovorans</i> IT-08. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 932-935.	0.7	5
354	Structural characterization of glucosylated GOS derivatives synthesized by the <i>Lactobacillus reuteri</i> GtfA and Gtf180 glucansucrase enzymes. <i>Carbohydrate Research</i> , 2018, 470, 57-63.	1.1	5
355	Stimulatory effects of novel glucosylated lactose derivatives GL34 on growth of selected gut bacteria. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 707-718.	1.7	5
356	Regulation of Oxidation and Assimilation of One-Carbon Compounds in Methylotrophic Bacteria. , 1991, 18, 127-148.		5
357	Characterization of a new <i>Bacillus stearothermophilus</i> isolate: a highly thermostable α -amylase-producing strain. <i>Applied Microbiology and Biotechnology</i> , 1994, 41, 155-162.	1.7	5
358	Metabolism of amino acid amides in <i>Pseudomonas putida</i> ATCC 12633. <i>Applied Microbiology and Biotechnology</i> , 1993, 40, 519.	1.7	4
359	Cloning, overexpression, purification, crystallization and preliminary X-ray analysis of 3-ketosteroid β - ⁴ -(5 \pm)-dehydrogenase from <i>Rhodococcus jostii</i> RHA1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 1269-1273.	0.7	4
360	Metabolic Regulation in Facultative Methylotrophs. , 1987, , 95-104.		4

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361	Methanol metabolism in thermotolerant methylotrophic <i>Bacillus</i> species. <i>FEMS Microbiology Letters</i> , 1990, 87, 215-219.	0.7	4
362	A novel dye-linked alcohol dehydrogenase activity present in some Gram-positive bacteria. <i>FEMS Microbiology Letters</i> , 1991, 80, 57-63.	0.7	4
363	Enzymatic glucosylation of polyphenols using glucansucrases and branching sucrases of glycoside hydrolase family 70. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 5247-5267.	5.4	4
364	Draft Genome Sequence of <i>Lactobacillus reuteri</i> 121, a Source of α -Glucan and β -Fructan Exopolysaccharides. <i>Genome Announcements</i> , 2017, 5, .	0.8	3
365	Variations in N-linked glycosylation of glycosylation-dependent cell adhesion molecule 1 (GlyCAM-1) whey protein: Intercow differences and dietary effects. <i>Journal of Dairy Science</i> , 2021, 104, 5056-5068.	1.4	3
366	Mutations in Amino Acid Residues of <i>Limosilactobacillus reuteri</i> 121 GtfB 4,6- α -Glucanotransferase that Affect Reaction and Product Specificity. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 1952-1961.	2.4	3
367	Isolation of Marine Dimethylsulfide-Oxidizing Bacteria. , 1993, , 37-41.		2
368	Mutational analysis of primary alcohol metabolism in the methylotrophic actinomycete <i>Amycolatopsis methanolica</i> . <i>FEMS Microbiology Letters</i> , 1996, 144, 73-79.	0.7	2
369	Methanol as a fermentation substrate for the production of phenylalanine, tyrosine and tryptophan by the facultative methylotroph <i>Nocardia</i> sp. 239. <i>Antonie Van Leeuwenhoek</i> , 1985, 51, 566-567.	0.7	1
370	The marine sulfur-cycle: Importance of <i>Phaeocystis</i> SP. in DMS-production during a nearshore springbloom. <i>Studies in Environmental Science</i> , 1995, 65, 241-243.	0.0	1
371	Protein engineering of cyclodextrin glycosyltransferase from <i>Bacillus circulans</i> strain 251. <i>Progress in Biotechnology</i> , 1995, , 165-174.	0.2	1
372	Actinomycetologists: a vibrant and strong scientific community. Papers from the 14th International Symposium on the Biology of Actinomycetes. <i>Antonie Van Leeuwenhoek</i> , 2008, 94, 1-2.	0.7	1
373	Metabolic Regulation in the Actinomycete <i>Amycolatopsis Methanolica</i> , a Facultative Methylotroph Employing the Rump Cycle for Formaldehyde Assimilation. , 1996, , 9-15.		1
374	Isolation and analysis of mutants of the methylotrophic actinomycete <i>Amycolatopsis methanolica</i> blocked in aromatic amino acid biosynthesis. <i>FEMS Microbiology Letters</i> , 1996, 136, 275-281.	0.7	0
375	The Fifth Carbohydrate Bioengineering Meeting was held in Groningen, The Netherlands, April 6-9, 2003. <i>Biocatalysis and Biotransformation</i> , 2003, 21, 145-145.	1.1	0
376	Cyclodextrin glycosyltransferase as a model enzyme to study of reaction mechanism of the α -amylase family. <i>Special Publication - Royal Society of Chemistry</i> , 0, , 82-86.	0.0	0