

Zheng-qiang Jiang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

152 papers	3,439 citations	35 h-index	49 g-index
156 ext. papers	4,055 ext. citations	5.9 avg, IF	5.55 L-index

#	Paper	IF	Citations
152	Efficient production of poly- γ -glutamic acid by <i>Bacillus velezensis</i> via solid-state fermentation and its application. <i>Food Bioscience</i> , 2022 , 46, 101575	4.9	0
151	A novel neutral thermophilic β -mannanase from <i>Malbranchea cinnamomea</i> for controllable production of partially hydrolyzed konjac powder.. <i>Applied Microbiology and Biotechnology</i> , 2022 , 106, 1919	5.7	1
150	Biochemical characterization of a novel glycoside hydrolase family 11 xylanase from <i>Chaetomium</i> sp. suitable for bread making. <i>Process Biochemistry</i> , 2022 , 117, 1-9	4.8	0
149	Chitin oligosaccharides alleviate atherosclerosis progress in ApoE ^{-/-} mice by regulating lipid metabolism and inhibiting inflammation. <i>Food Science and Human Wellness</i> , 2022 , 11, 999-1009	8.3	0
148	Sucrose-free hawthorn leathers formulated with fructooligosaccharides and xylooligosaccharides ameliorate high-fat diet induced inflammation, glucose and lipid metabolism in liver of mice. <i>Food Science and Human Wellness</i> , 2022 , 11, 1064-1075	8.3	1
147	Structural insights into the substrate recognition and catalytic mechanism of a fungal glycoside hydrolase family 81 β -1,3-glucanase. <i>Enzyme and Microbial Technology</i> , 2021 , 153, 109948	3.8	0
146	Characterization of a Novel Aspartic Protease from Expressed in and Its Application in Production of ACE-Inhibitory Peptides.. <i>Foods</i> , 2021 , 10,	4.9	2
145	Novel green soybean shuidouchi fermented by with multibioactivities.. <i>Food Science and Nutrition</i> , 2021 , 9, 6538-6547	3.2	0
144	High level expression and biochemical characterization of an alkaline serine protease from <i>Geobacillus stearothermophilus</i> to prepare antihypertensive whey protein hydrolysate. <i>BMC Biotechnology</i> , 2021 , 21, 21	3.5	4
143	Synbiotic yogurt containing konjac mannan oligosaccharides and <i>Bifidobacterium animalis</i> ssp. lactis BB12 alleviates constipation in mice by modulating the stem cell factor (SCF)/c-Kit pathway and gut microbiota. <i>Journal of Dairy Science</i> , 2021 , 104, 5239-5255	4	6
142	Heterologous expression and biochemical characterization of a cold-active lipase from <i>Rhizopus microsporus</i> suitable for oleate synthesis and bread making. <i>Biotechnology Letters</i> , 2021 , 43, 1921-1932 ³		0
141	Biochemical characterization of a novel acidic chitinase with antifungal activity from <i>Paenibacillus xylanexedens</i> Z2-4. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 1528-1536	7.9	4
140	High-level expression of a glycoside hydrolase family 26 β -mannanase from <i>Aspergillus niger</i> in <i>Pichia pastoris</i> for production of partially hydrolysed fenugreek gum. <i>Process Biochemistry</i> , 2021 , 100, 90-97	4.8	4
139	High-level expression and enzymatic properties of a novel thermostable xylanase with high arabinoxylan degradation ability from <i>Chaetomium</i> sp. suitable for beer mashing. <i>International Journal of Biological Macromolecules</i> , 2021 , 168, 223-232	7.9	8
138	Physicochemical Properties and Bioactivities of Rice Beans Fermented by <i>Bacillus amyloliquefaciens</i> . <i>Engineering</i> , 2021 , 7, 219-225	9.7	4
137	Biochemical Properties of a Novel D-Mannose Isomerase from <i>Pseudomonas syringae</i> for D-Mannose Production. <i>Applied Biochemistry and Biotechnology</i> , 2021 , 193, 1482-1495	3.2	1
136	Global transcriptomic analysis of functional oligosaccharide metabolism in <i>Pediococcus pentosaceus</i> . <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 1601-1614	5.7	3

135	Neoagarotetraose extends the lifespan of <i>Caenorhabditis elegans</i> through AMPK mediated signaling pathways and activation of autophagy. <i>Journal of Functional Foods</i> , 2021 , 77, 104341	5.1	2
134	Konjac Glucomannan Oligosaccharides Prevent Intestinal Inflammation Through SIGNR1-Mediated Regulation of Alternatively Activated Macrophages. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2001010	5.9	2
133	Structural and biochemical insights into the substrate-binding mechanism of a glycoside hydrolase family 12 β -1,3-1,4-glucanase from <i>Chaetomium</i> sp. <i>Journal of Structural Biology</i> , 2021 , 213, 107774	3.4	0
132	Transcriptomic Analysis of Reveals Carbohydrate Metabolic Dynamics Under Lactic Acid Stress. <i>Frontiers in Microbiology</i> , 2021 , 12, 736411	5.7	2
131	High level expression of a xyloglucanase from <i>Rhizomucor miehei</i> in <i>Pichia pastoris</i> for production of xyloglucan oligosaccharides and its application in yoghurt. <i>International Journal of Biological Macromolecules</i> , 2021 , 190, 845-852	7.9	1
130	Crystal structure of a chitinase (RmChiA) from the thermophilic fungus <i>Rhizomucor miehei</i> with a real active site tunnel. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2021 , 1869, 140709	4	1
129	Non-digestible galactomannan oligosaccharides from Cassia seed gum modulate microbiota composition and metabolites of human fecal inoculum. <i>Journal of Functional Foods</i> , 2021 , 86, 104705	5.1	1
128	Structural basis of carbohydrate binding in domain C of a type I pullulanase from <i>Paenibacillus barengoltzii</i> . <i>Acta Crystallographica Section D: Structural Biology</i> , 2020 , 76, 447-457	5.5	1
127	Biochemical characterization of a novel β -fucosidase from <i>Pedobacter</i> sp. and its application in synthesis of 3Sfucosyllactose and 2Sfucosyllactose. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 5813-5826	5.7	9
126	Biochemical characterization of a bifunctional chitinase/lysozyme from <i>Streptomyces sampsonii</i> suitable for N-acetyl chitobiose production. <i>Biotechnology Letters</i> , 2020 , 42, 1489-1499	3	4
125	Efficient sequential synthesis of lacto-N-triose II and lacto-N-neotetraose by a novel β -N-acetylhexosaminidase from <i>Tyzerella nexilis</i> . <i>Food Chemistry</i> , 2020 , 332, 127438	8.5	12
124	Identification of novel angiotensin I-converting enzyme (ACE) inhibitory peptides from wheat gluten hydrolysate by the protease of <i>Pseudomonas aeruginosa</i> . <i>Journal of Functional Foods</i> , 2020 , 65, 103751	5.1	24
123	High-level production and characterization of a novel β -1,3-1,4-glucanase from <i>Aspergillus awamori</i> and its potential application in the brewing industry. <i>Process Biochemistry</i> , 2020 , 92, 252-260	4.8	7
122	Biochemical characterization of a novel protease-resistant β -galactosidase from <i>Paecilomyces thermophila</i> suitable for raffinose family oligosaccharides degradation. <i>Process Biochemistry</i> , 2020 , 94, 370-379	4.8	3
121	Biochemical Characterization and Structural Analysis of a β -Acetylglucosaminidase from for Efficient Production of -Acetyl-d-glucosamine. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 5648-5657	5.7	5
120	High-level expression and characterization of a novel phospholipase C from <i>Thielavia terrestris</i> suitable for oil degumming. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 740-748	7.9	5
119	Preparation, characterization, and prebiotic activity of manno-oligosaccharides produced from cassia gum by a glycoside hydrolase family 134 β -mannanase. <i>Food Chemistry</i> , 2020 , 309, 125709	8.5	23
118	Production of Lacto-N-triose II and Lacto-N-neotetraose from Chitin by a Novel β -N-Acetylhexosaminidase Expressed in <i>Pichia pastoris</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 15466-15474	8.3	5

117	Efficient production of acetylated xylooligosaccharides from Hawthorn kernels by a xylanase from <i>Paecilomyces aeruginus</i> . <i>Industrial Crops and Products</i> , 2020 , 158, 112962	5.9	3
116	A novel high maltose-forming α -amylase from <i>Rhizomucor miehei</i> and its application in the food industry. <i>Food Chemistry</i> , 2020 , 305, 125447	8.5	19
115	Partially Hydrolyzed Guar Gum Attenuates d-Galactose-Induced Oxidative Stress and Restores Gut Microbiota in Rats. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
114	High-level expression of a novel α -amylase from <i>Thermomyces dubautii</i> in <i>Pichia pastoris</i> and its application in maltose syrup production. <i>International Journal of Biological Macromolecules</i> , 2019 , 127, 683-692	7.9	26
113	High-level expression of codon-optimized <i>Thielavia terrestris</i> cutinase suitable for ester biosynthesis and biodegradation. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 768-775	7.9	6
112	Biochemical characterization of a novel lipase from <i>Malbranchea cinnamomea</i> suitable for production of lipolyzed milkfat flavor and biodegradation of phthalate esters. <i>Food Chemistry</i> , 2019 , 297, 124925	8.5	12
111	Effect of Konjac mannan oligosaccharides on diphenoxylate-induced constipation in mice. <i>Journal of Functional Foods</i> , 2019 , 57, 399-407	5.1	26
110	Hepatoprotective Potential of Partially Hydrolyzed Guar Gum against Acute Alcohol-Induced Liver Injury in Vitro and Vivo. <i>Nutrients</i> , 2019 , 11,	6.7	9
109	Xylose rich heteroglycan from flaxseed gum mediates the immunostimulatory effects on macrophages via TLR2 activation. <i>Carbohydrate Polymers</i> , 2019 , 213, 59-69	10.3	6
108	Biochemical characterization of a novel exo-oligoxyylanase from suitable for monosaccharification from corncobs. <i>Biotechnology for Biofuels</i> , 2019 , 12, 190	7.8	7
107	Can functional oligosaccharides reduce the risk of diabetes mellitus?. <i>FASEB Journal</i> , 2019 , 33, 11655-11667	10.7	14
106	Effect of Konjac Mannan Oligosaccharides on Glucose Homeostasis via the Improvement of Insulin and Leptin Resistance In Vitro and In Vivo. <i>Nutrients</i> , 2019 , 11,	6.7	18
105	Biochemical characterization of a truncated α -glucanase from <i>Microbulbifer</i> sp. suitable for efficient production of neoagarotetraose. <i>Process Biochemistry</i> , 2019 , 87, 119-127	4.8	5
104	Alginate Oligosaccharides: Production, Biological Activities, and Potential Applications. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019 , 18, 1859-1881	16.4	89
103	Preparation of Chitin Oligosaccharides and Its Monomer 2019 , 55-81		0
102	Curdlan (1 \rightarrow 3)- β -D-Glucan Oligosaccharides Drive M1 Phenotype Polarization in Murine Bone Marrow-Derived Macrophages via Activation of MAPKs and NF- κ B Pathways. <i>Molecules</i> , 2019 , 24,	4.8	7
101	Slightly Acidic Electrolyzed Water Treatment Enhances the Main Bioactive Phytochemicals Content in Broccoli Sprouts via Changing Metabolism. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 606-614	5.7	7
100	Curdlan oligosaccharides having higher immunostimulatory activity than curdlan in mice treated with cyclophosphamide. <i>Carbohydrate Polymers</i> , 2019 , 207, 131-142	10.3	28

99	In vitro digestibility and prebiotic potential of curdlan (1- β -D-glucan oligosaccharides in Lactobacillus species. <i>Carbohydrate Polymers</i> , 2018 , 188, 17-26	10.3	40
98	High-level expression of an engineered β -mannanase (mRmMan5A) in <i>Pichia pastoris</i> for manno-oligosaccharide production using steam explosion pretreated palm kernel cake. <i>Bioresource Technology</i> , 2018 , 256, 30-37	11	35
97	Biochemical characterization of a novel xylanase from <i>Paenibacillus barengoltzii</i> and its application in xylooligosaccharides production from corncobs. <i>Food Chemistry</i> , 2018 , 264, 310-318	8.5	38
96	Structural and biochemical insights into the substrate-binding mechanism of a novel glycoside hydrolase family 134 β -mannanase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 1376-1384	11	11
95	A novel aspartic protease from <i>Rhizomucor miehei</i> expressed in <i>Pichia pastoris</i> and its application on meat tenderization and preparation of turtle peptides. <i>Food Chemistry</i> , 2018 , 245, 570-577	8.5	54
94	A first glycoside hydrolase family 50 endo- β ,3-d-glucanase from <i>Pseudomonas aeruginosa</i> . <i>Enzyme and Microbial Technology</i> , 2018 , 108, 34-41	3.8	10
93	Structural insights into the catalytic mechanism of a novel glycoside hydrolase family 113 β ,4-mannanase from. <i>Journal of Biological Chemistry</i> , 2018 , 293, 11746-11757	5.4	6
92	High-level expression of a novel protease-resistant β -galactosidase from <i>Thielavia terrestris</i> . <i>Process Biochemistry</i> , 2018 , 71, 82-91	4.8	9
91	Effect of slightly acidic electrolyzed water on bioactive compounds and morphology of broccoli sprouts. <i>Food Research International</i> , 2018 , 105, 102-109	7	23
90	A novel thermostable β ,3-1,4-glucanase from <i>Thermoascus aurantiacus</i> and its application in oligosaccharide production from oat bran. <i>Carbohydrate Research</i> , 2018 , 469, 31-37	2.9	6
89	Biochemical properties and application of a novel β ,3-1,4-glucanase from <i>Paenibacillus barengoltzii</i> . <i>Food Chemistry</i> , 2017 , 234, 68-75	8.5	23
88	N-Acetyl-chitobiose ameliorates metabolism dysfunction through Erk/p38 MAPK and histone H3 phosphorylation in type 2 diabetes mice. <i>Journal of Functional Foods</i> , 2017 , 28, 96-105	5.1	22
87	Biochemical characterization of a novel L-asparaginase from <i>Paenibacillus barengoltzii</i> being suitable for acrylamide reduction in potato chips and mooncakes. <i>International Journal of Biological Macromolecules</i> , 2017 , 96, 93-99	7.9	40
86	Characterization of actinidin from Chinese kiwifruit cultivars and its applications in meat tenderization and production of angiotensin I-converting enzyme (ACE) inhibitory peptides. <i>LWT - Food Science and Technology</i> , 2017 , 78, 1-7	5.4	37
85	Catalytic Mechanism of a Novel Glycoside Hydrolase Family 16 "Elongating" β -Transglycosylase. <i>Journal of Biological Chemistry</i> , 2017 , 292, 1666-1678	5.4	12
84	High-level expression and characterization of a novel cutinase from suitable for butyl butyrate production. <i>Biotechnology for Biofuels</i> , 2017 , 10, 223	7.8	21
83	Biochemical characterization of a novel β -galactosidase from <i>Paenibacillus barengoltzii</i> suitable for lactose hydrolysis and galactooligosaccharides synthesis. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1055-1063	7.9	23
82	The recognition mechanism of triple-helical β ,3-glucan by a β ,3-glucanase. <i>Chemical Communications</i> , 2017 , 53, 9368-9371	5.8	22

81	High level expression of α -mannanase (RmMan5A) in <i>Pichia pastoris</i> for partially hydrolyzed guar gum production. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 1171-1179	7.9	19
80	Characterization of a novel L-phenylalanine oxidase from <i>Coprinopsis cinereus</i> and its application for enzymatic production of phenylpyruvic acid. <i>Process Biochemistry</i> , 2017 , 61, 102-109	4.8	4
79	Directed evolution of a β -mannanase from to improve catalytic activity in acidic and thermophilic conditions. <i>Biotechnology for Biofuels</i> , 2017 , 10, 143	7.8	18
78	Expression and biochemical characterization of a novel type I pullulanase from <i>Bacillus megaterium</i> . <i>Biotechnology Letters</i> , 2017 , 39, 397-405	3	8
77	Cloning, expression, purification and application of a novel chitinase from a thermophilic marine bacterium <i>Paenibacillus barengoltzii</i> . <i>Food Chemistry</i> , 2016 , 192, 1041-8	8.5	82
76	High-level expression and biochemical characterization of a novel cold-active lipase from <i>Rhizomucor endophyticus</i> . <i>Biotechnology Letters</i> , 2016 , 38, 2127-2135	3	5
75	Comparative analysis on the distribution of protease activities among fruits and vegetable resources. <i>Food Chemistry</i> , 2016 , 213, 708-713	8.5	37
74	Expression and characterization of a novel 1,3-regioselective cold-adapted lipase from <i>Rhizomucor endophyticus</i> suitable for biodiesel synthesis. <i>Biotechnology for Biofuels</i> , 2016 , 9, 86	7.8	27
73	Purification and biochemical characterization of novel acidic chitinase from <i>Paenibacillus barengoltzii</i> . <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 973-9	7.9	37
72	Modulating the function of a β 1,3-glucanotransferase to that of an endo- β 1,3-glucanase by structure-based protein engineering. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 1765-1776	5.7	10
71	Biochemical Characterization of a Novel Acidic Exochitinase from <i>Rhizomucor miehei</i> with Antifungal Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 461-9	5.7	22
70	Gene cloning, functional expression and characterisation of a novel type I pullulanase from <i>Paenibacillus barengoltzii</i> and its application in resistant starch production. <i>Protein Expression and Purification</i> , 2016 , 121, 22-30	2	17
69	Biochemical Characterization of a Novel Endo-1,5- β -arabinanase from <i>Rhizomucor miehei</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 1226-1233	5.7	6
68	Novel Protease-Resistant Exochitinase (Echi47) from Pig Fecal Environment DNA with Application Potentials in the Food and Feed Industries. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 6262-7057	5.7	8
67	Structural insights into the substrate specificity of two esterases from the thermophilic <i>Rhizomucor miehei</i> . <i>Journal of Lipid Research</i> , 2015 , 56, 1616-24	6.3	25
66	Characterization of an acidic cold-adapted cutinase from <i>Thielavia terrestris</i> and its application in flavor ester synthesis. <i>Food Chemistry</i> , 2015 , 188, 439-45	8.5	19
65	High-level expression of a novel β -galactosidase gene from <i>Rhizomucor miehei</i> in <i>Pichia pastoris</i> and characterization of the recombinant enzyme. <i>Protein Expression and Purification</i> , 2015 , 110, 107-14	2	21
64	The first crystal structure of a glycoside hydrolase family 17 β 1,3-glucanotransferase displays a unique catalytic cleft. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015 , 71, 1714-24		10

63	Expression and characterization of a novel β -glucosidase, with transglycosylation and exo- β ,3-glucanase activities, from <i>Rhizomucor miehei</i> . <i>Food Chemistry</i> , 2015 , 175, 431-8	8.5	20
62	A unique GCN5-related glucosamine N-acetyltransferase region exist in the fungal multi-domain glycoside hydrolase family 3 β -N-acetylglucosaminidase. <i>Scientific Reports</i> , 2015 , 5, 18292	4.9	9
61	Crystal structure and characterization of a novel L-serine ammonia-lyase from <i>Rhizomucor miehei</i> . <i>Biochemical and Biophysical Research Communications</i> , 2015 , 466, 431-7	3.4	5
60	Characterization of a novel glycoside hydrolase family 5 β -mannosidase from <i>Absidia corymbifera</i> with high transglycosylation activity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015 , 122, 265-274		6
59	Isolation, identification and synthesis of four novel antioxidant peptides from rice residue protein hydrolyzed by multiple proteases. <i>Food Chemistry</i> , 2015 , 179, 290-5	8.5	87
58	Gene cloning, functional expression and characterisation of a novel glycogen branching enzyme from <i>Rhizomucor miehei</i> and its application in wheat breadmaking. <i>Food Chemistry</i> , 2014 , 159, 85-94	8.5	21
57	Biochemical characterization of the first fungal glycoside hydrolyase family 3 β -N-acetylglucosaminidase from <i>Rhizomucor miehei</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 5181-90	5.7	28
56	Biochemical characterization of a novel L-Asparaginase with low glutaminase activity from <i>Rhizomucor miehei</i> and its application in food safety and leukemia treatment. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 1561-9	4.8	63
55	Characterization of a highly thermostable glycoside hydrolase family 10 xylanase from <i>Malbranchea cinnamomea</i> . <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 482-9	7.9	34
54	Purification and characterization of a novel alkaline β ,3-1,4-glucanase (lichenase) from thermophilic fungus <i>Malbranchea cinnamomea</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014 , 41, 1487-95	4.2	18
53	Purification and characterization of a chymosin from <i>Rhizopus microsporus</i> var. <i>rhizopodiformis</i> . <i>Applied Biochemistry and Biotechnology</i> , 2014 , 174, 174-85	3.2	13
52	Genome sequence and transcriptome analyses of the thermophilic zygomycete fungus <i>Rhizomucor miehei</i> . <i>BMC Genomics</i> , 2014 , 15, 294	4.5	35
51	Structural insights into the substrate specificity and transglycosylation activity of a fungal glycoside hydrolase family 5 β -mannosidase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 2970-82		22
50	An acidic, thermostable exochitinase with β -N-acetylglucosaminidase activity from <i>Paenibacillus barengoltzii</i> converting chitin to N-acetyl glucosamine. <i>Biotechnology for Biofuels</i> , 2014 , 7, 174	7.8	50
49	Characterization of a novel hormone-sensitive lipase family esterase from <i>Rhizomucor miehei</i> with tertiary alcohol hydrolysis activity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014 , 109, 76-84		14
48	Characterization and crystal structure of a first fungal glyoxylate reductase from <i>Paecilomyces thermophila</i> . <i>Enzyme and Microbial Technology</i> , 2014 , 60, 72-9	3.8	2
47	Biotechnological potential of microbial β -galactosidases. <i>Critical Reviews in Biotechnology</i> , 2014 , 34, 307-17	17.4	57
46	A novel multifunctional β -amylase from the thermophilic fungus <i>Malbranchea cinnamomea</i> : biochemical characterization and three-dimensional structure. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 170, 420-35	3.2	28

45	Gene cloning and enzymatic characterization of an alkali-tolerant endo-1,4- β -mannanase from <i>Rhizomucor miehei</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 394-401	5.7	38
44	A low molecular mass cutinase of <i>Thielavia terrestris</i> efficiently hydrolyzes poly(esters). <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013 , 40, 217-26	4.2	55
43	Biochemical properties of a novel glycoside hydrolase family 1 β -glucosidase (PtBglu1) from <i>Paecilomyces thermophila</i> expressed in <i>Pichia pastoris</i> . <i>Carbohydrate Polymers</i> , 2013 , 92, 784-91	10.3	19
42	Characterization of two novel family 12 xyloglucanases from the thermophilic <i>Rhizomucor miehei</i> . <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 10013-24	5.7	19
41	Biochemical characteristics and gene cloning of a novel thermostable feruloyl esterase from <i>Chaetomium</i> sp.. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013 , 97, 328-336		18
40	The structure of a glycoside hydrolase family 81 endo- β -1,3-glucanase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013 , 69, 2027-38		11
39	Biochemical characterization of a first fungal esterase from <i>Rhizomucor miehei</i> showing high efficiency of ester synthesis. <i>PLoS ONE</i> , 2013 , 8, e77856	3.7	20
38	Characterization of a protease-resistant β -galactosidase from the thermophilic fungus <i>Rhizomucor miehei</i> and its application in removal of raffinose family oligosaccharides. <i>Bioresource Technology</i> , 2012 , 110, 578-86	11	69
37	High-level expression of a hyperthermostable <i>Thermotoga maritima</i> xylanase in <i>Pichia pastoris</i> by codon optimization. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012 , 78, 72-77		27
36	Purification and characterization of a novel thermostable β -arabinofuranosidase (β -AFase) from <i>Chaetomium</i> sp.. <i>Process Biochemistry</i> , 2012 , 47, 472-478	4.8	7
35	High-level expression of a xylanase gene from the thermophilic fungus <i>Paecilomyces thermophila</i> in <i>Pichia pastoris</i> . <i>Biotechnology Letters</i> , 2012 , 34, 2043-8	3	29
34	Engineering a thermostable β -1,3-1,4-glucanase from <i>Paecilomyces thermophila</i> to improve catalytic efficiency at acidic pH. <i>Journal of Biotechnology</i> , 2012 , 159, 50-5	3.7	18
33	High level expression of extracellular secretion of a β -glucosidase gene (PtBglu3) from <i>Paecilomyces thermophila</i> in <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2012 , 84, 64-72	2	27
32	Purification and characterization of a novel β -1,3-1,4-glucanase (lichenase) from thermophilic <i>Rhizomucor miehei</i> with high specific activity and its gene sequence. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 2354-61	5.7	50
31	High level expression of a novel β -mannanase from <i>Chaetomium</i> sp. exhibiting efficient mannan hydrolysis. <i>Carbohydrate Polymers</i> , 2012 , 87, 480-490	10.3	41
30	Purification and characterization of a novel chitinase gene from <i>Paecilomyces thermophila</i> expressed in <i>Escherichia coli</i> . <i>Carbohydrate Research</i> , 2012 , 347, 155-60	2.9	12
29	Molecular cloning and high-level expression of a β -galactosidase gene from <i>Paecilomyces aeruginus</i> in <i>Pichia pastoris</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011 , 69, 112-119		19
28	Purification and properties of a psychrotrophic <i>Trichoderma</i> sp. xylanase and its gene sequence. <i>Applied Biochemistry and Biotechnology</i> , 2011 , 164, 944-56	3.2	13

27	A novel thermostable chitinase (PJC) from pomegranate (<i>Punica granatum</i>) juice. <i>Food Chemistry</i> , 2011 , 127, 1569-1575	8.5	25
26	High-level expression of extracellular secretion of a β -xylosidase gene from <i>Paecilomyces thermophila</i> in <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2011 , 102, 1822-30	11	51
25	Purification and characterization of a chitinase (sAMC) with antifungal activity from seeds of <i>Astragalus membranaceus</i> . <i>Process Biochemistry</i> , 2011 , 46, 1370-1374	4.8	19
24	High-level expression of a specific β -1,3-1,4-glucanase from the thermophilic fungus <i>Paecilomyces thermophila</i> in <i>Pichia pastoris</i> . <i>Applied Microbiology and Biotechnology</i> , 2010 , 88, 509-18	5.7	31
23	Characterisation of a thermostable xylanase from <i>Chaetomium</i> sp. and its application in Chinese steamed bread. <i>Food Chemistry</i> , 2010 , 120, 457-462	8.5	64
22	Characterisation of a novel monomeric lectin (AML) from <i>Astragalus membranaceus</i> with anti-proliferative activity. <i>Food Chemistry</i> , 2010 , 122, 589-595	8.5	23
21	Production of xylooligosaccharides from the steam explosion liquor of corncobs coupled with enzymatic hydrolysis using a thermostable xylanase. <i>Bioresource Technology</i> , 2010 , 101, 7679-82	11	71
20	Cloning and expression of a <i>Paecilomyces thermophila</i> xylanase gene in <i>E. coli</i> and characterization of the recombinant xylanase. <i>Bioresource Technology</i> , 2010 , 101, 688-95	11	36
19	Properties of a xylanase from <i>Streptomyces matensis</i> being suitable for xylooligosaccharides production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009 , 58, 72-77		52
18	Biochemical characterization of a recombinant thermostable β -mannosidase from <i>Thermotoga maritima</i> with transglycosidase activity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009 , 60, 119-124		14
17	Antiproliferation and apoptosis of human tumor cell lines by a lectin (AMML) of <i>Astragalus mongholicus</i> . <i>Phytomedicine</i> , 2009 , 16, 586-93	6.5	53
16	Enhanced production of a thermostable mannanase by immobilized cells of <i>Bacillus subtilis</i> on various membranes. <i>World Journal of Microbiology and Biotechnology</i> , 2009 , 25, 1057-1063	4.4	2
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13	Characterization of a thermostable extracellular β -glucosidase with activities of exoglucanase and transglycosylation from <i>Paecilomyces thermophila</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 602-8	5.7	59
12	Biochemical characterization of a novel thermostable β -1,3-1,4-glucanase (lichenase) from <i>Paecilomyces thermophila</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 5345-51	5.7	54
11	Partition and purification of a thermostable xylanase produced by <i>Paecilomyces thermophila</i> in solid-state fermentation using aqueous two-phase systems. <i>Process Biochemistry</i> , 2008 , 43, 56-61	4.8	39
10	Immobilization of the recombinant xylanase B (XynB) from the hyperthermophilic <i>Thermotoga maritima</i> on metal-chelate Eupergit C 250L. <i>Enzyme and Microbial Technology</i> , 2007 , 41, 278-285	3.8	17

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8	Purification and characterization of a thermostable cellulase-free xylanase from the newly isolated <i>Paecilomyces themophila</i> . <i>Enzyme and Microbial Technology</i> , 2006 , 38, 780-787	3.8	53
7	High-level production, purification and characterization of a thermostable β -mannanase from the newly isolated <i>Bacillus subtilis</i> WY34. <i>Carbohydrate Polymers</i> , 2006 , 66, 88-96	10.3	110
6	Improvement of the breadmaking quality of wheat flour by the hyperthermophilic xylanase B from <i>Thermotoga maritima</i> . <i>Food Research International</i> , 2005 , 38, 37-43	7	73
5	A novel homodimeric lectin from <i>Astragalus mongholicus</i> with antifungal activity. <i>Archives of Biochemistry and Biophysics</i> , 2005 , 442, 72-81	4.1	66
4	Immobilization of <i>Streptomyces olivaceoviridis</i> E-86 xylanase on Eudragit S-100 for xylo-oligosaccharide production. <i>Process Biochemistry</i> , 2005 , 40, 2707-2714	4.8	78
3	Variation of xylanosomal subunit composition of <i>Streptomyces olivaceoviridis</i> by nitrogen sources. <i>Biotechnology Letters</i> , 2005 , 27, 429-33	3	6
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