# Birte Svensson

# 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.

287	10,461	54	87
papers	citations	h-index	g-index
296	11,410 ext. citations	5	6.2
ext. papers		avg, IF	L-index

#	Paper	IF	Citations
287	Improved production of gamma-cyclodextrin from high-concentrated starch using enzyme pretreatment under swelling condition <i>Carbohydrate Polymers</i> , <b>2022</b> , 284, 119124	10.3	1
286	How many Eamylase GH families are there in the CAZy database?. Amylase, 2022, 6, 1-10	0.8	3
285	Distinct effects of different ⊞mylases on cross-linked tapioca starch and gel-improving mechanism. <i>Food Hydrocolloids</i> , <b>2022</b> , 128, 107580	10.6	2
284	Maltogenic ⊞mylase hydrolysis of wheat starch granules: Mechanism and relation to starch retrogradation. <i>Food Hydrocolloids</i> , <b>2022</b> , 124, 107256	10.6	5
283	Structure, function and enzymatic synthesis of glucosaccharides assembled mainly by \$\frac{4}{1}\$>\$\frac{1}{6}\$ linkages - A review. Carbohydrate Polymers, 2022, 275, 118705	10.3	2
282	Metabolic Profiling of Interspecies Interactions During Sessile Bacterial Cultivation Reveals Growth and Sporulation Induction in Response to <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2022</b> , 12, 805473	5.9	
281	Structure, Function and Protein Engineering of Cereal-Type Inhibitors Acting on Amylolytic Enzymes <i>Frontiers in Molecular Biosciences</i> , <b>2022</b> , 9, 868568	5.6	
280	Mechanistic basis for understanding the dual activities of the bifunctional mannuronan C-5 epimerase and alginate lyase AlgE7. <i>Applied and Environmental Microbiology</i> , <b>2021</b> , AEM0183621	4.8	2
279	A healthy B. dentium caramel cocktail. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 101452	5.4	3
278	Exceptionally rich keratinolytic enzyme profile found in the rare actinomycetes Amycolatopsis keratiniphila D2. <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 8129-8138	5.7	1
277	Binding Sites for Oligosaccharide Repeats from Lactic Acid Bacteria Exopolysaccharides on Bovine Lactoglobulin Identified by NMR Spectroscopy. <i>ACS Omega</i> , <b>2021</b> , 6, 9039-9052	3.9	2
276	Quantitative Label-Free Comparison of the Metabolic Protein Fraction in Old and Modern Italian Wheat Genotypes by a Shotgun Approach. <i>Molecules</i> , <b>2021</b> , 26,	4.8	5
275	A putative novel starch-binding domain revealed by in silico analysis of the N-terminal domain in bacterial amylomaltases from the family GH77. <i>3 Biotech</i> , <b>2021</b> , 11, 229	2.8	2
274	Wheat ATIs: Characteristics and Role in Human Disease. Frontiers in Nutrition, 2021, 8, 667370	6.2	12
273	Rational Enzyme Design without Structural Knowledge: A Sequence-Based Approach for Efficient Generation of Transglycosylases. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 10323-10334	4.8	8
272	Tunable mixed micellization of Easein in the presence of Easein. Food Hydrocolloids, 2021, 113, 106459	10.6	2
271	Enzymes in grain processing. Current Opinion in Food Science, 2021, 37, 153-159	9.8	1

270	O-/N-/S-Specificity in Glycosyltransferase Catalysis: From Mechanistic Understanding to Engineering. <i>ACS Catalysis</i> , <b>2021</b> , 11, 1810-1815	13.1	10
269	Impact of Alginate Mannuronic-Guluronic Acid Contents and pH on Protein Binding Capacity and Complex Size. <i>Biomacromolecules</i> , <b>2021</b> , 22, 649-660	6.9	2
268	Functional diversity of three tandem C-terminal carbohydrate-binding modules of a Emannanase. Journal of Biological Chemistry, <b>2021</b> , 296, 100638	5.4	3
267	Deamidation and glycation of a Bacillus licheniformis hamylase during industrial fermentation can improve detergent wash performance. <i>Amylase</i> , <b>2021</b> , 5, 38-49	0.8	
266	Azo dying of Ekeratin material improves microbial keratinase screening and standardization. <i>Microbial Biotechnology</i> , <b>2020</b> , 13, 984-996	6.3	5
265	Two novel S1 peptidases from Amycolatopsis keratinophila subsp. keratinophila D2 degrading keratinous slaughterhouse by-products. <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 2513-2522	5.7	4
264	Identification and Characterization of a \( \text{HAcetylhexosaminidase} \) with a Biosynthetic Activity from the Marine Bacterium S66. International Journal of Molecular Sciences, <b>2020</b> , 21,	6.3	6
263	Thermophilic 4-EGlucanotransferase from Retards the Long-Term Retrogradation but Maintains the Short-Term Gelation Strength of Tapioca Starch. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 5658-5667	5.7	6
262	An 1,4-EGlucosyltransferase Defines a New Maltodextrin Catabolism Scheme in Lactobacillus acidophilus. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	5
261	Community-intrinsic properties enhance keratin degradation from bacterial consortia. <i>PLoS ONE</i> , <b>2020</b> , 15, e0228108	3.7	11
<b>2</b> 60	Roles of the N-terminal domain and remote substrate binding subsites in activity of the debranching barley limit dextrinase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2020</b> , 1868, 140294	4	3
259	Qualitative proteomic comparison of metabolic and CM-like protein fractions in old and modern wheat Italian genotypes by a shotgun approach. <i>Journal of Proteomics</i> , <b>2020</b> , 211, 103530	3.9	8
258	A Single Point Mutation Converts GH84 -GlcNAc Hydrolases into Phosphorylases: Experimental and Theoretical Evidence. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 2120-2124	16.4	16
257	Community-intrinsic properties enhance keratin degradation from bacterial consortia <b>2020</b> , 15, e02281	08	
256	Community-intrinsic properties enhance keratin degradation from bacterial consortia <b>2020</b> , 15, e02281	08	
255	Community-intrinsic properties enhance keratin degradation from bacterial consortia <b>2020</b> , 15, e02281	08	
254	Community-intrinsic properties enhance keratin degradation from bacterial consortia <b>2020</b> , 15, e02281	08	
253	A carbohydrate-binding family 48 module enables feruloyl esterase action on polymeric arabinoxylan. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 17339-17353	5.4	12

252	Starch-binding domains as CBM families-history, occurrence, structure, function and evolution. <i>Biotechnology Advances</i> , <b>2019</b> , 37, 107451	17.8	51
251	Substrate preference of an ABC importer corresponds to selective growth on E(1,6)-galactosides in subsp <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 11701-11711	5.4	13
250	Quantitative Proteomics Analysis of Barley-Based Liquid Feed and the Effect of Protease Inhibitors and NADPH-Dependent Thioredoxin Reductase/Thioredoxin (NTR/Trx) System. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 6432-6444	5.7	1
249	An integrated strategy for the effective production of bristle protein hydrolysate by the keratinolytic filamentous bacterium Amycolatopsis keratiniphila D2. <i>Waste Management</i> , <b>2019</b> , 89, 94-1	86 02 <sup>6</sup>	15
248	Alginate Trisaccharide Binding Sites on the Surface of Lactoglobulin Identified by NMR Spectroscopy: Implications for Molecular Network Formation. <i>ACS Omega</i> , <b>2019</b> , 4, 6165-6174	3.9	5
247	Expanding the citrullinome of synovial fibrinogen from rheumatoid arthritis patients. <i>Journal of Proteomics</i> , <b>2019</b> , 208, 103484	3.9	11
246	Structural and functional aspects of mannuronic acid-specific PL6 alginate lyase from the human gut microbe. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 17915-17930	5.4	21
245	Dataset of the metabolic and CM-like protein fractions in old and modern wheat Italian genotypes. <i>Data in Brief</i> , <b>2019</b> , 27, 104730	1.2	1
244	The exopolysaccharide properties and structures database: EPS-DB. Application to bacterial exopolysaccharides. <i>Carbohydrate Polymers</i> , <b>2019</b> , 205, 565-570	10.3	24
243	Asp271 is critical for substrate interaction with the surface binding site in Eagarase a from Zobellia galactanivorans. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2019</b> , 87, 34-40	4.2	
242	Mass-Spectrometry-Based Identification of Cross-Links in Proteins Exposed to Photo-Oxidation and Peroxyl Radicals Using O Labeling and Optimized Tandem Mass Spectrometry Fragmentation.  Journal of Proteome Research, 2018, 17, 2017-2027	5.6	24
241	Interaction between structurally different heteroexopolysaccharides and Elactoglobulin studied by solution scattering and analytical ultracentrifugation. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 746-754	7.9	4
240	Isoenergic modification of whey protein structure by denaturation and crosslinking using transglutaminase. <i>Food and Function</i> , <b>2018</b> , 9, 797-805	6.1	15
239	Effect of alginate size, mannuronic/guluronic acid content and pH on particle size, thermodynamics and composition of complexes with Eactoglobulin. <i>Food Hydrocolloids</i> , <b>2018</b> , 75, 157-163	10.6	11
238	Barley Proteomics. Compendium of Plant Genomes, 2018, 345-361	0.8	3
237	Dietary Nutrients, Proteomes, and Adhesion of Probiotic Lactobacilli to Mucin and Host Epithelial Cells. <i>Microorganisms</i> , <b>2018</b> , 6,	4.9	20
236	An NAD-Dependent Sirtuin Depropionylase and Deacetylase (Sir2La) from the Probiotic Bacterium Lactobacillus acidophilus NCFM. <i>Biochemistry</i> , <b>2018</b> , 57, 3903-3915	3.2	8
235	Plant Polyphenols Stimulate Adhesion to Intestinal Mucosa and Induce Proteome Changes in the Probiotic Lactobacillus acidophilus NCFM. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, 1700638	5.9	18

234 Proteomics of Disulphide and Cysteine Oxidoreduction **2018**, 71-97

233	New Insights into the Potential of Endogenous Redox Systems in Wheat Bread Dough. <i>Antioxidants</i> , <b>2018</b> , 7,	7.1	2
232	Functional Roles of Starch Binding Domains and Surface Binding Sites in Enzymes Involved in Starch Biosynthesis. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1652	6.2	14
231	High-Throughput In Vitro Screening for Inhibitors of Cereal EGlucosidase. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1795, 101-115	1.4	1
230	Revealing the Dimeric Crystal and Solution Structure of Elactoglobulin at pH 4 and Its pH and Salt Dependent Monomer-Dimer Equilibrium. <i>Biomacromolecules</i> , <b>2018</b> , 19, 2905-2912	6.9	10
229	Exo- and surface proteomes of the probiotic bacterium Lactobacillus acidophilus NCFM. <i>Proteomics</i> , <b>2017</b> , 17, 1700019	4.8	8
228	The starch-binding domain family CBM41-An in silico analysis of evolutionary relationships. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2017</b> , 85, 1480-1492	4.2	13
227	Affinity Electrophoresis for Analysis of Catalytic Module-Carbohydrate Interactions. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1588, 119-127	1.4	4
226	An Extracellular Cell-Attached Pullulanase Confers Branched EGlucan Utilization in Human Gut Lactobacillus acidophilus. <i>Applied and Environmental Microbiology</i> , <b>2017</b> , 83,	4.8	19
225	The structure of Lactococcus lactis thioredoxin reductase reveals molecular features of photo-oxidative damage. <i>Scientific Reports</i> , <b>2017</b> , 7, 46282	4.9	7
224	Mucin- and carbohydrate-stimulated adhesion and subproteome changes of the probiotic bacterium Lactobacillus acidophilus NCFM. <i>Journal of Proteomics</i> , <b>2017</b> , 163, 102-110	3.9	44
223	Investigation of the indigenous fungal community populating barley grains: Secretomes and xylanolytic potential. <i>Journal of Proteomics</i> , <b>2017</b> , 169, 153-164	3.9	8
222	Revealing the Compact Structure of Lactic Acid Bacterial Heteroexopolysaccharides by SAXS and DLS. <i>Biomacromolecules</i> , <b>2017</b> , 18, 747-756	6.9	9
221	Comparative proteomics of oxidative stress response of Lactobacillus acidophilus NCFM reveals effects on DNA repair and cysteine de novo synthesis. <i>Proteomics</i> , <b>2017</b> , 17, 1600178	4.8	19
220	Discovery of $\blacksquare$ -arabinopyranosidases from human gut microbiome expands the diversity within glycoside hydrolase family 42. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 21092-21101	5.4	6
219	The Reducing Capacity of Thioredoxin on Oxidized Thiols in Boiled Wort. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 10101-10106	5.7	O
218	Functional and structural characterization of plastidic starch phosphorylase during barley endosperm development. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175488	3.7	26
217	Development of novel monoclonal antibodies against starch and ulvan - implications for antibody production against polysaccharides with limited immunogenicity. <i>Scientific Reports</i> , <b>2017</b> , 7, 9326	4.9	15

216	Effect of repeat unit structure and molecular mass of lactic acid bacteria hetero-exopolysaccharides on binding to milk proteins. <i>Carbohydrate Polymers</i> , <b>2017</b> , 177, 406-414	10.3	12
215	Unrestricted Mass Spectrometric Data Analysis for Identification, Localization, and Quantification of Oxidative Protein Modifications. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 3978-3988	5.6	15
214	Data regarding the growth of NCFM on different carbohydrates and recombinant production of elongation factor G and pyruvate kinase. <i>Data in Brief</i> , <b>2017</b> , 14, 118-122	1.2	2
213	A meta-proteomics approach to study the interspecies interactions affecting microbial biofilm development in a model community. <i>Scientific Reports</i> , <b>2017</b> , 7, 16483	4.9	35
212	GH62 arabinofuranosidases: Structure, function and applications. <i>Biotechnology Advances</i> , <b>2017</b> , 35, 797	2 <b>-18</b> 08	36
211	An ATP Binding Cassette Transporter Mediates the Uptake of £(1,6)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 20220-31	5.4	32
210	Structural and Mechanical Properties of Thin Films of Bovine Submaxillary Mucin versus Porcine Gastric Mucin on a Hydrophobic Surface in Aqueous Solutions. <i>Langmuir</i> , <b>2016</b> , 32, 9687-96	4	25
209	An efficient arabinoxylan-debranching A-arabinofuranosidase of family GH62 from Aspergillus nidulans contains a secondary carbohydrate binding site. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 6265-6277	5.7	18
208	Seed thioredoxin h. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2016</b> , 1864, 974-82	4	13
207	Lytic polysaccharide monooxygenases and other oxidative enzymes are abundantly secreted by Aspergillus nidulans grown on different starches. <i>Biotechnology for Biofuels</i> , <b>2016</b> , 9, 187	7.8	33
206	Using Carbohydrate Interaction Assays to Reveal Novel Binding Sites in Carbohydrate Active Enzymes. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160112	3.7	15
205	Differential proteome and cellular adhesion analyses of the probiotic bacterium Lactobacillus acidophilus NCFM grown on raffinose - an emerging prebiotic. <i>Proteomics</i> , <b>2016</b> , 16, 1361-75	4.8	22
204	Plant ঘ lucan phosphatases SEX4 and LSF2 display different affinity for amylopectin and amylose. <i>FEBS Letters</i> , <b>2016</b> , 590, 118-28	3.8	17
203	Exploring the Plant-Microbe Interface by Profiling the Surface-Associated Proteins of Barley Grains. Journal of Proteome Research, <b>2016</b> , 15, 1151-67	5.6	11
202	Barley germination: Spatio-temporal considerations for designing and interpreting Dimics experiments. <i>Journal of Cereal Science</i> , <b>2016</b> , 70, 29-37	3.8	17
201	Structure and function of ⊞lucan debranching enzymes. <i>Cellular and Molecular Life Sciences</i> , <b>2016</b> , 73, 2619-41	10.3	51
200	Iminosugar inhibitors of carbohydrate-active enzymes that underpin cereal grain germination and endosperm metabolism. <i>Biochemical Society Transactions</i> , <b>2016</b> , 44, 159-65	5.1	6
199	Structural biology of starch-degrading enzymes and their regulation. <i>Current Opinion in Structural Biology</i> , <b>2016</b> , 40, 33-42	8.1	25

198	Oligosaccharide and substrate binding in the starch debranching enzyme barley limit dextrinase. Journal of Molecular Biology, <b>2015</b> , 427, 1263-1277	6.5	25
197	A redox-dependent dimerization switch regulates activity and tolerance for reactive oxygen species of barley seed glutathione peroxidase. <i>Plant Physiology and Biochemistry</i> , <b>2015</b> , 90, 58-63	5.4	3
196	Complementing DIGE proteomics and DNA subarray analyses to shed light on Oenococcus oeni adaptation to ethanol in wine-simulated conditions. <i>Journal of Proteomics</i> , <b>2015</b> , 123, 114-27	3.9	25
195	Two Lactococcus lactis thioredoxin paralogues play different roles in responses to arsenate and oxidative stress. <i>Microbiology (United Kingdom)</i> , <b>2015</b> , 161, 528-38	2.9	6
194	Crystal structure of barley limit dextrinase-limit dextrinase inhibitor (LD-LDI) complex reveals insights into mechanism and diversity of cereal type inhibitors. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 12614-29	5.4	16
193	Proteolytic Degradation of Bovine Submaxillary Mucin (BSM) and Its Impact on Adsorption and Lubrication at a Hydrophobic Surface. <i>Langmuir</i> , <b>2015</b> , 31, 8303-9	4	17
192	The GH5 1,4-Emannanase from Bifidobacterium animalis subsp. lactis Bl-04 possesses a low-affinity mannan-binding module and highlights the diversity of mannanolytic enzymes. <i>BMC Biochemistry</i> , <b>2015</b> , 16, 26	4.8	29
191	The Differential Proteome of the Probiotic Lactobacillus acidophilus NCFM Grown on the Potential Prebiotic Cellobiose Shows Upregulation of Two 🛮 Glycoside Hydrolases. <i>BioMed Research International</i> , <b>2015</b> , 2015, 347216	3	8
190	Analysis of Surface Binding Sites (SBS) within GH62, GH13, and GH77. <i>Journal of Applied Glycoscience (1999)</i> , <b>2015</b> , 62, 87-93	1	5
189	Serological assessment of neutrophil elastase activity on elastin during lung ECM remodeling. <i>BMC Pulmonary Medicine</i> , <b>2015</b> , 15, 53	3.5	31
188	A simplified chromatographic approach to purify commercially available bovine submaxillary mucins (BSM). <i>Preparative Biochemistry and Biotechnology</i> , <b>2015</b> , 45, 84-99	2.4	14
187	Lactococcus lactis thioredoxin reductase is sensitive to light inactivation. <i>Biochemistry</i> , <b>2015</b> , 54, 1628-3	373.2	4
186	Surface binding sites in amylase have distinct roles in recognition of starch structure motifs and degradation. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 75, 338-45	7.9	45
185	A novel twist on molecular interactions between thioredoxin and nicotinamide adenine dinucleotide phosphate-dependent thioredoxin reductase. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2014</b> , 82, 607-19	4.2	7
184	A 🗓-6/🗓-3 galactosidase from Bifidobacterium animalis subsp. lactis Bl-04 gives insight into sub-specificities of Egalactoside catabolism within Bifidobacterium. <i>Molecular Microbiology</i> , <b>2014</b> , 94, 1024	4.1	26
183	Lactococcus lactis TrxD represents a subgroup of thioredoxins prevalent in Gram-positive bacteria containing WCXDC active site motifs. <i>Archives of Biochemistry and Biophysics</i> , <b>2014</b> , 564, 164-72	4.1	7
182	Recent insight in Eglucan metabolism in probiotic bacteria. <i>Biologia (Poland)</i> , <b>2014</b> , 69, 713-721	1.5	9
181	Analysis of surface binding sites (SBSs) in carbohydrate active enzymes with focus on glycoside hydrolase families 13 and 77 h mini-review. <i>Biologia (Poland)</i> , <b>2014</b> , 69, 705-712	1.5	43

180	Distinct substrate specificities of three glycoside hydrolase family 42 Egalactosidases from Bifidobacterium longum subsp. infantis ATCC 15697. <i>Glycobiology</i> , <b>2014</b> , 24, 208-16	5.8	31
179	Synbiotic Lactobacillus acidophilus NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial. <i>FEMS Microbiology Ecology</i> , <b>2014</b> , 90, 225-36	4.3	26
178	Barley Grain Proteins <b>2014</b> , 123-168		1
177	The role of extracellular matrix quality in pulmonary fibrosis. <i>Respiration</i> , <b>2014</b> , 88, 487-99	3.7	28
176	Selectivity of the surface binding site (SBS) on barley starch synthase I. <i>Biologia (Poland)</i> , <b>2014</b> , 69, 1118	3 <b>-11.1</b> ;21	10
175	Amylase: an enzyme specificity found in various families of glycoside hydrolases. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 1149-70	10.3	206
174	Transcriptional analysis of oligosaccharide utilization by Bifidobacterium lactis Bl-04. <i>BMC Genomics</i> , <b>2013</b> , 14, 312	4.5	54
173	Recent insight into oligosaccharide uptake and metabolism in probiotic bacteria. <i>Biocatalysis and Biotransformation</i> , <b>2013</b> , 31, 226-235	2.5	19
172	Structural basis for arabinoxylo-oligosaccharide capture by the probiotic Bifidobacterium animalis subsp. lactis Bl-04. <i>Molecular Microbiology</i> , <b>2013</b> , 90, 1100-12	4.1	48
171	Biochemical and kinetic characterisation of a novel xylooligosaccharide-upregulated GH43 础-xylosidase/日-arabinofuranosidase (BXA43) from the probiotic Bifidobacterium animalis subsp. lactis BB-12. <i>AMB Express</i> , <b>2013</b> , 3, 56	4.1	23
170	An exoproteome approach to monitor safety of a cheese-isolated Lactococcus lactis. <i>Food Research International</i> , <b>2013</b> , 54, 1072-1079	7	17
169	Kinetic analysis of inhibition of glucoamylase and active site mutants via chemoselective oxime immobilization of acarbose on SPR chip surfaces. <i>Carbohydrate Research</i> , <b>2013</b> , 375, 21-8	2.9	11
168	Arabidopsis thaliana AMY3 is a unique redox-regulated chloroplastic ⊞mylase. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 33620-33633	5.4	67
167	Recent development of phosphorylases possessing large potential for oligosaccharide synthesis. <i>Current Opinion in Chemical Biology</i> , <b>2013</b> , 17, 301-9	9.7	102
166	The barley grain thioredoxin system - an update. Frontiers in Plant Science, 2013, 4, 151	6.2	7
165	In vitro growth of four individual human gut bacteria on oligosaccharides produced by chemoenzymatic synthesis. <i>Food and Function</i> , <b>2013</b> , 4, 784-93	6.1	13
164	Application of proteomics for improving crop protection/artificial regulation. <i>Frontiers in Plant Science</i> , <b>2013</b> , 4, 522	6.2	18
163	A bacterial glucanotransferase can replace the complex maltose metabolism required for starch to sucrose conversion in leaves at night. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 28581-98	5.4	28

## (2011-2013)

162	Comparative fermentation of insoluble carbohydrates in an in vitro human feces model spiked with Lactobacillus acidophilus NCFM. <i>Starch/Staerke</i> , <b>2013</b> , 65, 346-353	2.3	5
161	A Snapshot into the Metabolism of Isomalto-oligosaccharides in Probiotic Bacteria. <i>Journal of Applied Glycoscience (1999)</i> , <b>2013</b> , 60, 95-100	1	4
160	Surface Binding Sites (SBSs), Mechanism and Regulation of Enzymes Degrading Amylopectin and £Limit Dextrins. <i>Journal of Applied Glycoscience (1999)</i> , <b>2013</b> , 60, 101-109	1	1
159	Surface binding sites in carbohydrate active enzymes: an emerging picture of structural and functional diversity. <i>Carbohydrate Chemistry</i> , <b>2013</b> , 204-221	3	20
158	Insights into physiological traits of Bifidobacterium animalis subsp. lactis BB-12 through membrane proteome analysis. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 1190-200	3.9	12
157	Structure of the starch-debranching enzyme barley limit dextrinase reveals homology of the N-terminal domain to CBM21. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 1008-12		14
156	Raffinose family oligosaccharide utilisation by probiotic bacteria: insight into substrate recognition, molecular architecture and diversity of GH36 Egalactosidases. <i>Biocatalysis and Biotransformation</i> , <b>2012</b> , 30, 316-325	2.5	11
155	Dissecting molecular interactions involved in recognition of target disulfides by the barley thioredoxin system. <i>Biochemistry</i> , <b>2012</b> , 51, 9930-9	3.2	9
154	Inactivation of barley limit dextrinase inhibitor by thioredoxin-catalysed disulfide reduction. <i>FEBS Letters</i> , <b>2012</b> , 586, 2479-82	3.8	12
153	Degradation of the starch components amylopectin and amylose by barley hamylase 1: role of surface binding site 2. <i>Archives of Biochemistry and Biophysics</i> , <b>2012</b> , 528, 1-6	4.1	19
152	Binding Interactions Between 🗄 lucans from Lactobacillus reuteri and Milk Proteins Characterised by Surface Plasmon Resonance. <i>Food Biophysics</i> , <b>2012</b> , 7, 220-226	3.2	10
151	Transcriptional analysis of prebiotic uptake and catabolism by Lactobacillus acidophilus NCFM. <i>PLoS ONE</i> , <b>2012</b> , 7, e44409	3.7	50
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