

Tom Rj Desmet

List of Publications by Year in descending order

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121
papers

3,083
citations

136950

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214800

47
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all docs

129
docs citations

129
times ranked

3103
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolism and Health Effects of Rare Sugars in a CACO-2/HepG2 Coculture Model. <i>Nutrients</i> , 2022, 14, 611.	4.1	5
2	Sweet Biotechnology: Enzymatic Production and Digestibility Screening of Novel Kojibiose and Nigerose Analogues. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3502-3511.	5.2	2
3	Nucleotide sugar dehydratases: Structure, mechanism, substrate specificity, and application potential. <i>Journal of Biological Chemistry</i> , 2022, 298, 101809.	3.4	9
4	Identification of mercaptoacetamide-based HDAC6 inhibitors <i>via</i> a lean inhibitor strategy: screening, synthesis, and biological evaluation. <i>Chemical Communications</i> , 2022, 58, 6239-6242.	4.1	8
5	Insertions and deletions in protein evolution and engineering. <i>Biotechnology Advances</i> , 2022, 60, 108010.	11.7	17
6	Expanding the Enzyme Repertoire for Sugar Nucleotide Epimerization: the CDP-Tyvelose 2-Epimerase from <i>Thermodesulfatator atlanticus</i> for Glucose/Mannose Interconversion. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	5
7	Stereo-electronic control of reaction selectivity in short-chain dehydrogenases: Decarboxylation, epimerization, and dehydration. <i>Current Opinion in Chemical Biology</i> , 2021, 61, 43-52.	6.1	14
8	Editorial: Biocatalytic opportunities to harness the structural diversity of carbohydrates. <i>Current Opinion in Chemical Biology</i> , 2021, 61, A1-A3.	6.1	0
9	Î ² -Glucan phosphorylases in carbohydrate synthesis. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 4073-4087.	3.6	10
10	Evolution of Phosphorylases from <i>N</i> -Acetylglucosaminide Hydrolases in Family GH3. <i>ACS Catalysis</i> , 2021, 11, 6225-6233.	11.2	7
11	Enzymatic Synthesis of Phloretin Î±-Glucosides Using a Sucrose Phosphorylase Mutant and its Effect on Solubility, Antioxidant Properties and Skin Absorption. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3079-3089.	4.3	10
12	Structure-function relationships in NDP-sugar active SDR enzymes: Fingerprints for functional annotation and enzyme engineering. <i>Biotechnology Advances</i> , 2021, 48, 107705.	11.7	17
13	Engineering of a Thermostable Biocatalyst for the Synthesis of 2- <i>O</i> -Glucosylglycerol. <i>ChemBioChem</i> , 2021, 22, 2777-2782.	2.6	9
14	Exploration of GH94 Sequence Space for Enzyme Discovery Reveals a Novel Glucosylgalactose Phosphorylase Specificity. <i>ChemBioChem</i> , 2021, 22, 3319-3325.	2.6	6
15	Discovery of a Kojibiose Hydrolase by Analysis of Specificity-Determining Correlated Positions in Glycoside Hydrolase Family 65. <i>Molecules</i> , 2021, 26, 6321.	3.8	6
16	GDP-Mannose 3,5-Epimerase: A View on Structure, Mechanism, and Industrial Potential. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 784142.	3.5	9
17	Synthesis of Novel Nitroxoline Analogs with Potent Cathepsin B Exopeptidase Inhibitory Activity. <i>ChemMedChem</i> , 2020, 15, 2477-2490.	3.2	6
18	GDP-altrose as novel product of GDP-mannose 3,5-epimerase: Revisiting its reaction mechanism. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 1862-1868.	7.5	5

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19	Uncovering a superfamily of nickel-dependent hydroxyacid racemases and epimerases. <i>Scientific Reports</i> , 2020, 10, 18123.	3.3	14
20	Determinants of the Nucleotide Specificity in the Carbohydrate Epimerase Family 1. <i>Biotechnology Journal</i> , 2020, 15, e2000132.	3.5	6
21	Engineering of cellobiose phosphorylase for the defined synthesis of cellotriose. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 8327-8337.	3.6	15
22	Synthesis, trehalase hydrolytic resistance and inhibition properties of 4- and 6-substituted trehalose derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 1964-1989.	5.2	5
23	Oral Microbiota Display Profound Differential Metabolic Kinetics and Community Shifts upon Incubation with Sucrose, Trehalose, Kojibiose, and Xylitol. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	11
24	Fate of Thymol and Its Monoglucosides in the Gastrointestinal Tract of Piglets. <i>ACS Omega</i> , 2020, 5, 5241-5248.	3.5	5
25	Novel Insights into the Existence of the Putative UDP-Glucuronate 5-Epimerase Specificity. <i>Catalysts</i> , 2020, 10, 222.	3.5	4
26	Effects of Thymol and Thymol 1- β -D-Glucopyranoside on Intestinal Function and Microbiota of Weaned Pigs. <i>Animals</i> , 2020, 10, 329.	2.3	13
27	Sucrose Phosphorylase and Related Enzymes in Glycoside Hydrolase Family 13: Discovery, Application and Engineering. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2526.	4.1	50
28	Weaning affects the glycosidase activity towards phenolic glycosides in the gut of piglets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 1432-1443.	2.2	1
29	Structural Comparison of a Promiscuous and a Highly Specific Sucrose 6F-Phosphate Phosphorylase. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3906.	4.1	10
30	Characterization of the First Bacterial and Thermostable GDP-Mannose 3,5-Epimerase. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3530.	4.1	14
31	A GH13 glycoside phosphorylase with unknown substrate specificity from <i>Coralloccoccus coralloides</i> . <i>Amylase</i> , 2019, 3, 32-40.	1.6	4
32	Synthesis of Indoline-Based Benzhydroxamic Acids as Potential HDAC6 Inhibitors. <i>ChemistrySelect</i> , 2019, 4, 12308-12312.	1.5	1
33	Rational design of an improved transglucosylase for production of the rare sugar nigerose. <i>Chemical Communications</i> , 2019, 55, 4531-4533.	4.1	26
34	Synthesis of Non-Symmetrical Nitrogen-Containing Curcuminoids in the Pursuit of New Anticancer Candidates. <i>ChemistryOpen</i> , 2019, 8, 236-247.	1.9	12
35	Structural Features on the Substrate-Binding Surface of Fungal Lytic Polysaccharide Monoxygenases Determine Their Oxidative Regioselectivity. <i>Biotechnology Journal</i> , 2019, 14, 1800211.	3.5	48
36	Exploring the sequence diversity in glycoside hydrolase family 13_18 reveals a novel glucosylglycerol phosphorylase. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3183-3191.	3.6	17

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37	Chemoenzymatic Approach toward the Synthesis of 3-O-(1 \pm)-Glucosylated 3-Hydroxy-1 \pm -lactams. ACS Omega, 2018, 3, 15235-15245.	3.5	11
38	Analysis of the substrate specificity of 1 \pm -L-arabinofuranosidases by DNA sequencer-aided fluorophore-assisted carbohydrate electrophoresis. Applied Microbiology and Biotechnology, 2018, 102, 10091-10102.	3.6	3
39	Converting Galactose into the Rare Sugar Talose with Cellobiose 2-Epimerase as Biocatalyst. Molecules, 2018, 23, 2519.	3.8	17
40	Assessment of the trifluoromethyl ketone functionality as an alternative zinc-binding group for selective HDAC6 inhibition. MedChemComm, 2018, 9, 1011-1016.	3.4	4
41	Synthesis of Novel Aza π -aromatic Curcuminoids with Improved Biological Activities towards Various Cancer Cell Lines. ChemistryOpen, 2018, 7, 381-392.	1.9	22
42	Thermostable alpha-glucan phosphorylases: characteristics and industrial applications. Applied Microbiology and Biotechnology, 2018, 102, 8187-8202.	3.6	20
43	Sequence determinants of nucleotide binding in Sucrose Synthase: improving the affinity of a bacterial Sucrose Synthase for UDP by introducing plant residues. Protein Engineering, Design and Selection, 2017, 30, 141-148.	2.1	8
44	Disulfide bridges as essential elements for the thermostability of lytic polysaccharide monooxygenase LPMO10C from Streptomyces coelicolor. Protein Engineering, Design and Selection, 2017, 30, 401-408.	2.1	29
45	Glycosyltransferase cascades for natural product glycosylation: Use of plant instead of bacterial sucrose synthases improves the UDP π -glucose recycling from sucrose and UDP. Biotechnology Journal, 2017, 12, 1600557.	3.5	36
46	The π -epimering π highlights the potential of carbohydrate epimerases for rare sugar production. Biocatalysis and Biotransformation, 2017, 35, 230-237.	2.0	13
47	Glucosylglycerate Phosphorylase, an Enzyme with Novel Specificity Involved in Compatible Solute Metabolism. Applied and Environmental Microbiology, 2017, 83, .	3.1	25
48	Biocatalytic Synthesis of the Rare Sugar Kojibiose: Process Scale-Up and Application Testing. Journal of Agricultural and Food Chemistry, 2017, 65, 6030-6041.	5.2	40
49	Correlated positions in protein evolution and engineering. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 687-695.	3.0	11
50	Microbial Enzymes for Glycoside Synthesis. , 2017, , 405-431.		1
51	Synthesis of Potent and Selective HDAC6 Inhibitors Bearing a Cyclohexane π -or Cycloheptane π -Annulated 1,5 π -Benzothiazepine Scaffold. Chemistry - A European Journal, 2017, 23, 128-136.	3.3	28
52	CorNet: Assigning function to networks of co-evolving residues by automated literature mining. PLoS ONE, 2017, 12, e0176427.	2.5	12
53	A quantitative indicator diagram for lytic polysaccharide monooxygenases reveals the role of aromatic surface residues in H π LPMO9A regioselectivity. PLoS ONE, 2017, 12, e0178446.	2.5	26
54	Screening of recombinant glycosyltransferases reveals the broad acceptor specificity of stevia UGT-76G1. Journal of Biotechnology, 2016, 233, 49-55.	3.8	43

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55	Collision cross section prediction of deprotonated phenolics in a travelling-wave ion mobility spectrometer using molecular descriptors and chemometrics. <i>Analytica Chimica Acta</i> , 2016, 924, 68-76.	5.4	37
56	Synthesis and Applications of 3- <i>Methylene</i> -4-(trifluoromethyl)azetidin-2-ones as Building Blocks for the Preparation of Mono- and Spirocyclic 4- <i>CF</i> ₃ - β -lactams. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 1480-1491.	2.7	14
57	Diastereoselective synthesis of 3-acetoxy-4-(3-aryloxiran-2-yl)azetidin-2-ones and their transformation into 3,4-oxolane-fused bicyclic β -lactams. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 11279-11288.	2.8	10
58	A nitrilase-mediated entry to 4-carboxymethyl- β -lactams from chemically prepared 4-(cyanomethyl)azetidin-2-ones. <i>RSC Advances</i> , 2016, 6, 54573-54579.	3.6	7
59	Sucrose synthase: A unique glycosyltransferase for biocatalytic glycosylation process development. <i>Biotechnology Advances</i> , 2016, 34, 88-111.	11.7	141
60	Converting bulk sugars into prebiotics: semi-rational design of a transglucosylase with controlled selectivity. <i>Chemical Communications</i> , 2016, 52, 3687-3689.	4.1	36
61	Synthesis and SAR assessment of novel Tubathian analogs in the pursuit of potent and selective HDAC6 inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2537-2549.	2.8	21
62	Creating Space for Large Acceptors: Rational Biocatalyst Design for Resveratrol Glycosylation in an Aqueous System. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9289-9292.	13.8	35
63	Chemoenzymatic Synthesis of β -D-Glucosides using Cellobiose Phosphorylase from <i>Clostridium thermocellum</i> . <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1961-1969.	4.3	7
64	Trehalose Analogues: Latest Insights in Properties and Biocatalytic Production. <i>International Journal of Molecular Sciences</i> , 2015, 16, 13729-13745.	4.1	33
65	Enzymatic Glycosylation of Phenolic Antioxidants: Phosphorylase-Mediated Synthesis and Characterization. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10131-10139.	5.2	41
66	Synthesis of 2-aryl-3-(2-cyanoethyl)aziridines and their chemical and enzymatic hydrolysis towards β -lactams and β -lactones. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2716-2725.	2.8	13
67	Synthesis and Antimicrobial/Cytotoxic Assessment of Ferrocenyl Oxazinanes, Oxazinan-2-ones, and Tetrahydropyrimidin-2-ones. <i>Synlett</i> , 2015, 26, 1195-1200.	1.8	13
68	UDP-hexose 4-epimerases: a view on structure, mechanism and substrate specificity. <i>Carbohydrate Research</i> , 2015, 414, 8-14.	2.3	55
69	Synthesis of benzothiophene-based hydroxamic acids as potent and selective HDAC6 inhibitors. <i>Chemical Communications</i> , 2015, 51, 9868-9871.	4.1	28
70	Identification of sucrose synthase in nonphotosynthetic bacteria and characterization of the recombinant enzymes. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 8465-8474.	3.6	51
71	A structural classification of carbohydrate epimerases: From mechanistic insights to practical applications. <i>Biotechnology Advances</i> , 2015, 33, 1814-1828.	11.7	42
72	Recombinant Expression of <i>Trichoderma reesei</i> Cel61A in <i>Pichia pastoris</i> : Optimizing Yield and N-terminal Processing. <i>Molecular Biotechnology</i> , 2015, 57, 1010-1017.	2.4	57

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73	Synthesis of functionalized 3-, 5-, 6- and 8-aminoquinolines via intermediate (3-pyrrolin-1-yl)- and (2-oxopyrrolidin-1-yl)quinolines and evaluation of their antiplasmodial and antifungal activity. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 91-102.	5.5	27
74	Engineering the carbohydrate-binding site of Epa1p from <i>Candida glabrata</i> : generation of adhesin mutants with different carbohydrate specificity. <i>Glycobiology</i> , 2014, 24, 1312-1322.	2.5	14
75	Synthesis of halogenated 4-quinolones and evaluation of their antiplasmodial activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1214-1217.	2.2	19
76	Engineering the specificity of trehalose phosphorylase as a general strategy for the production of glycosyl phosphates. <i>Chemical Communications</i> , 2014, 50, 7834-7836.	4.1	10
77	The quest for a thermostable sucrose phosphorylase reveals sucrose 6- α -phosphate phosphorylase as a novel specificity. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7027-7037.	3.6	32
78	Biphasic Catalysis with Disaccharide Phosphorylases: Chemoenzymatic Synthesis of α -D-Glucosides Using Sucrose Phosphorylase. <i>Organic Process Research and Development</i> , 2014, 18, 781-787.	2.7	21
79	Potent and selective HDAC6 inhibitory activity of N-(4-hydroxycarbamoylbenzyl)-1,2,4,9-tetrahydro-3-thia-9-azafluorenes as novel sulfur analogues of Tubastatin A. <i>Chemical Communications</i> , 2013, 49, 3775.	4.1	27
80	Evaluation of (4-aminobutyloxy)quinolines as a novel class of antifungal agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4641-4643.	2.2	47
81	Synthesis of 2-aminomethyl-4-phenyl-1-azabicyclo[2.2.1]heptanes via LiAlH ₄ -induced reductive cyclization of 2-(4-chloro-2-cyano-2-phenylbutyl)aziridines and evaluation of their antimalarial activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 1507-1510.	2.2	8
82	Characterization and mutational analysis of the UDP-Glc(NAc) 4-epimerase from <i>Marinithermus hydrothermalis</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 7733-7740.	3.6	13
83	Mapping the acceptor site of sucrose phosphorylase from <i>Bifidobacterium adolescentis</i> by alanine scanning. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 96, 81-88.	1.8	26
84	Chemoenzymatic synthesis of α -L-rhamnosides using recombinant α -L-rhamnosidase from <i>Aspergillus terreus</i> . <i>Bioresource Technology</i> , 2013, 147, 640-644.	9.6	31
85	Consensus engineering of sucrose phosphorylase: The outcome reflects the sequence input. <i>Biotechnology and Bioengineering</i> , 2013, 110, 2563-2572.	3.3	24
86	Synthesis of piperidin-4-ones starting from 2-(2-bromo-1,1-dimethylethyl)azetidines and 2-(2-mesyloxyethyl)azetidines through a ring expansion-oxidation protocol. <i>Tetrahedron</i> , 2013, 69, 2603-2607.	1.9	6
87	Ionic liquids as cosolvents for glycosylation by sucrose phosphorylase: balancing acceptor solubility and enzyme stability. <i>Green Chemistry</i> , 2013, 15, 1949.	9.0	39
88	Towards a carbon-negative sustainable bio-based economy. <i>Frontiers in Plant Science</i> , 2013, 4, 174.	3.6	114
89	Engineering the acceptor specificity of trehalose phosphorylase for the production of trehalose analogs. <i>Biotechnology Progress</i> , 2012, 28, 1257-1262.	2.6	15
90	Enzymatic Glycosylation of Small Molecules: Challenging Substrates Require Tailored Catalysts. <i>Chemistry - A European Journal</i> , 2012, 18, 10786-10801.	3.3	183

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91	Adsorption and desorption of trehalose analogues from a bioconversion mixture using activated carbon. Separation and Purification Technology, 2012, 96, 161-167.	7.9	8
92	An Imprinted Cross-Linked Enzyme Aggregate (iCLEA) of Sucrose Phosphorylase: Combining Improved Stability with Altered Specificity. International Journal of Molecular Sciences, 2012, 13, 11333-11342.	4.1	33
93	Enzymes for the biocatalytic production of rare sugars. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 823-834.	3.0	157
94	Biocatalytic production of novel glycolipids with cellodextrin phosphorylase. Bioresource Technology, 2012, 115, 84-87.	9.6	21
95	Broadening the synthetic potential of disaccharide phosphorylases through enzyme engineering. Process Biochemistry, 2012, 47, 11-17.	3.7	28
96	Engineering of cellobiose phosphorylase for glycoside synthesis. Journal of Biotechnology, 2011, 156, 253-260.	3.8	15
97	Operational stability of immobilized sucrose phosphorylase: Continuous production of β -glucose-1-phosphate at elevated temperatures. Process Biochemistry, 2011, 46, 2074-2078.	3.7	33
98	Transglucosylation potential of six sucrose phosphorylases toward different classes of acceptors. Carbohydrate Research, 2011, 346, 1860-1867.	2.3	51
99	Enzymatic glycosyl transfer: mechanisms and applications. Biocatalysis and Biotransformation, 2011, 29, 1-18.	2.0	67
100	A constitutive expression system for high-throughput screening. Engineering in Life Sciences, 2011, 11, 10-19.	3.6	33
101	Probing the active site of cellodextrin phosphorylase from <i>Clostridium stercorarium</i> : Kinetic characterization, ligand docking, and site-directed mutagenesis. Biotechnology Progress, 2011, 27, 326-332.	2.6	17
102	Characterization of β -galactoside phosphorylases with diverging acceptor specificities. Enzyme and Microbial Technology, 2011, 49, 59-65.	3.2	5
103	Increasing the thermostability of sucrose phosphorylase by a combination of sequence- and structure-based mutagenesis. Protein Engineering, Design and Selection, 2011, 24, 829-834.	2.1	53
104	Enzymatic Properties and Substrate Specificity of the Trehalose Phosphorylase from <i>Caldanaerobacter subterraneus</i> . Applied and Environmental Microbiology, 2011, 77, 6939-6944.	3.1	20
105	High Throughput Calorimetry for Evaluating Enzymatic Reactions Generating Phosphate. Combinatorial Chemistry and High Throughput Screening, 2010, 13, 331-336.	1.1	2
106	Sucrose phosphorylase as cross-linked enzyme aggregate: Improved thermal stability for industrial applications. Biotechnology Journal, 2010, 5, 1192-1197.	3.5	37
107	Enzymatic production of β -glucose-1-phosphate from trehalose. Biotechnology Journal, 2010, 5, 986-993.	3.5	25
108	Construction of cellobiose phosphorylase variants with broadened acceptor specificity towards anomeric substituted glucosides. Biotechnology and Bioengineering, 2010, 107, 413-420.	3.3	29

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109	Increasing the thermostability of sucrose phosphorylase by multipoint covalent immobilization. <i>Journal of Biotechnology</i> , 2010, 150, 125-130.	3.8	41
110	Development and application of a screening assay for glycoside phosphorylases. <i>Analytical Biochemistry</i> , 2010, 401, 162-167.	2.4	36
111	Crystallization and X-ray diffraction studies of cellobiose phosphorylase from <i>Cellulomonas uda</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 346-351.	0.7	22
112	Synthesis and Evaluation of 2-Deoxy-2-amino- β -D-cellobiosides as Cellulase Inhibitors. <i>Journal of Carbohydrate Chemistry</i> , 2010, 29, 164-180.	1.1	1
113	Creating lactose phosphorylase enzymes by directed evolution of cellobiose phosphorylase. <i>Protein Engineering, Design and Selection</i> , 2009, 22, 393-399.	2.1	69
114	Enzymatic production of β -D-galactose 1-phosphate by lactose phosphorolysis. <i>Biotechnology Letters</i> , 2009, 31, 1873-1877.	2.2	19
115	Modulation of activity by Arg407: structure of a fungal β -1,2-mannosidase in complex with a substrate analogue. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2008, 64, 227-236.	2.5	4
116	An investigation of the substrate specificity of the xyloglucanase Cel74A from <i>Hypocrea jecorina</i> . <i>FEBS Journal</i> , 2007, 274, 356-363.	4.7	47
117	Itineraries of enzymatically and non-enzymatically catalyzed substitutions at O-glycopyranosidic bonds. <i>Arkivoc</i> , 2006, 2006, 90-116.	0.5	23
118	Evaluation of automated nano-electrospray mass spectrometry in the determination of non-covalent protein-ligand complexes. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 3061-3067.	1.5	31
119	Crystal Complex Structures Reveal How Substrate is Bound in the α 4 to the +2 Binding Sites of <i>Humicola grisea</i> Cel12A. <i>Journal of Molecular Biology</i> , 2004, 342, 1505-1517.	4.2	32
120	A hydrophobic platform as a mechanistically relevant transition state stabilising factor appears to be present in the active centre of all glycoside hydrolases. <i>FEBS Letters</i> , 2003, 538, 1-7.	2.8	51
121	Novel tools for the study of class I β -mannosidases: a chromogenic substrate and a substrate-analog inhibitor. <i>Analytical Biochemistry</i> , 2002, 307, 361-367.	2.4	6