

# Richard H Furneaux

## List of Publications by Citations

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#	Paper	IF	Citations
197	Chemical methods for the analysis of sulphated galactans from red algae. <i>Carbohydrate Research</i> , <b>1991</b> , 210, 277-98	2.9	364
196	Production of levoglucosan and glucose from pyrolysis of cellulosic materials. <i>Journal of Applied Polymer Science</i> , <b>1979</b> , 23, 3525-3539	2.9	268
195	One-third-the-sites transition-state inhibitors for purine nucleoside phosphorylase. <i>Biochemistry</i> , <b>1998</b> , 37, 8615-21	3.2	234
194	Transition state structure of purine nucleoside phosphorylase and principles of atomic motion in enzymatic catalysis. <i>Biochemistry</i> , <b>2001</b> , 40, 853-60	3.2	197
193	Immucillin H, a powerful transition-state analog inhibitor of purine nucleoside phosphorylase, selectively inhibits human T lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 4593-8	11.5	157
192	The 2.0 Å structure of malarial purine phosphoribosyltransferase in complex with a transition-state analogue inhibitor. <i>Biochemistry</i> , <b>1999</b> , 38, 9872-80	3.2	136
191	Some reactions of levoglucosenone. <i>Carbohydrate Research</i> , <b>1979</b> , 71, 169-191	2.9	136
190	The 2.0 Å structure of human hypoxanthine-guanine phosphoribosyltransferase in complex with a transition-state analog inhibitor. <i>Nature Structural Biology</i> , <b>1999</b> , 6, 588-93		130
189	Synthesis of 1,2-trans-related 1-thioglycoside esters. <i>Carbohydrate Research</i> , <b>1976</b> , 52, 63-68	2.9	127
188	Structure and Antiviral Activity of the Galactofucan Sulfates Extracted from <i>Undaria Pinnatifida</i> (Phaeophyta). <i>Journal of Applied Phycology</i> , <b>2006</b> , 18, 185-193	3.2	123
187	Femtomolar transition state analogue inhibitors of 5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 18265-73	5.4	112
186	Achieving the ultimate physiological goal in transition state analogue inhibitors for purine nucleoside phosphorylase. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 31465-8	5.4	99
185	Synthesis of second-generation transition state analogues of human purine nucleoside phosphorylase. <i>Journal of Medicinal Chemistry</i> , <b>2003</b> , 46, 5271-6	8.3	96
184	<i>Plasmodium falciparum</i> purine nucleoside phosphorylase: crystal structures, immucillin inhibitors, and dual catalytic function. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 18103-6	5.4	90
183	Structural analysis of carrageenans from the tetrasporic stages of the red algae, <i>Gigartina lanceata</i> and <i>Gigartina chapmanii</i> (Gigartinaceae, Rhodophyta). <i>Carbohydrate Research</i> , <b>1998</b> , 307, 325-331	2.9	88
182	Targeting a novel <i>Plasmodium falciparum</i> purine recycling pathway with specific immucillins. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 9547-54	5.4	88
181	Purine-less death in <i>Plasmodium falciparum</i> induced by immucillin-H, a transition state analogue of purine nucleoside phosphorylase. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 3226-31	5.4	85

180	Solid-state NMR studies on the structure of starch granules. <i>Carbohydrate Research</i> , <b>1995</b> , 276, 387-399	2.9	82
179	Transition state analogue inhibitors of purine nucleoside phosphorylase from <i>Plasmodium falciparum</i> . <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 3219-25	5.4	76
178	Transition-state analogs as inhibitors of human and malarial hypoxanthine-guanine phosphoribosyltransferases. <i>Nature Structural Biology</i> , <b>1999</b> , 6, 582-7		76
177	Addition of lithiated 9-deazapurine derivatives to a carbohydrate cyclic imine: convergent synthesis of the aza-C-nucleoside immucillins. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 5723-30	4.2	75
176	Exploring structure-activity relationships of transition state analogues of human purine nucleoside phosphorylase. <i>Journal of Medicinal Chemistry</i> , <b>2003</b> , 46, 3412-23	8.3	74
175	Optimization of alkyl beta-D-galactopyranoside synthesis from lactose using commercially available beta-galactosidases. <i>Biotechnology and Bioengineering</i> , <b>1993</b> , 42, 657-66	4.9	74
174	Syntheses and bio-activities of the L-enantiomers of two potent transition state analogue inhibitors of purine nucleoside phosphorylases. <i>Organic and Biomolecular Chemistry</i> , <b>2006</b> , 4, 1131-9	3.9	72
173	Synthesis of a transition state analogue inhibitor of purine nucleoside phosphorylase via the Mannich reaction. <i>Organic Letters</i> , <b>2003</b> , 5, 3639-40	6.2	72
172	Synthesis of Transition State Analogue Inhibitors for Purine Nucleoside Phosphorylase and N-Riboside Hydrolases. <i>Tetrahedron</i> , <b>2000</b> , 56, 3053-3062	2.4	71
171	Iminoribitol transition state analogue inhibitors of protozoan nucleoside hydrolases. <i>Biochemistry</i> , <b>1999</b> , 38, 13147-54	3.2	71
170	1,5-Anhydro-4-deoxy-d-glycero-hex-1-en-3-ulose and other pyrolysis products of cellulose. <i>Carbohydrate Research</i> , <b>1978</b> , 67, 433-447	2.9	69
169	Synthesis of transition state inhibitors for N-riboside hydrolases and transferases. <i>Tetrahedron</i> , <b>1997</b> , 53, 2915-2930	2.4	67
168	Mannosylated liposomes as antigen delivery vehicles for targeting to dendritic cells. <i>Journal of Pharmacy and Pharmacology</i> , <b>2006</b> , 58, 729-37	4.8	66
167	Azetidine based transition state analogue inhibitors of N-ribosyl hydrolases and phosphorylases. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 948-56	8.3	66
166	Third-generation immucillins: syntheses and bioactivities of acyclic immucillin inhibitors of human purine nucleoside phosphorylase. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 1126-43	8.3	65
165	Structural rationale for the affinity of pico- and femtomolar transition state analogues of <i>Escherichia coli</i> 5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 18274-82	5.4	65
164	Atomic dissection of the hydrogen bond network for transition-state analogue binding to purine nucleoside phosphorylase. <i>Biochemistry</i> , <b>2002</b> , 41, 14489-98	3.2	59
163	Picomolar transition state analogue inhibitors of human 5'-methylthioadenosine phosphorylase and X-ray structure with MT-immucillin-A. <i>Biochemistry</i> , <b>2004</b> , 43, 9-18	3.2	58

- 162 Improved Syntheses of 3H,5H-Pyrrolo[3,2-d]pyrimidines. *Journal of Organic Chemistry*, **1999**, 64, 8411-8412 58
- 161 Mechanistic Diagnoses of N-Ribohydrolases and Purine Nucleoside Phosphorylase. *Journal of the American Chemical Society*, **1996**, 118, 2111-2112 16.4 57
- 160 Picomolar inhibitors as transition-state probes of 5'-methylthioadenosine nucleosidases. *ACS Chemical Biology*, **2007**, 2, 725-34 4.9 56
- 159 A novel mechanism for desulfation of mucin: identification and cloning of a mucin-desulfating glycosidase (sulfoglycosidase) from *Prevotella* strain RS2. *Journal of Bacteriology*, **2005**, 187, 1543-51 3.5 56
- 158 Near-quantitative production of fatty acid alkyl esters by lipase-catalyzed alcoholysis of fats and oils with adsorption of glycerol by silica gel. *Enzyme and Microbial Technology*, **1994**, 16, 478-484 3.8 56
- 157 Structure and inhibition of a quorum sensing target from *Streptococcus pneumoniae*. *Biochemistry*, **2006**, 45, 12929-41 3.2 55
- 156 Purine nucleoside phosphorylase from *Mycobacterium tuberculosis*. Analysis of inhibition by a transition-state analogue and dissection by parts. *Biochemistry*, **2001**, 40, 8196-203 3.2 55
- 155 Over-the-barrier transition state analogues and crystal structure with *Mycobacterium tuberculosis* purine nucleoside phosphorylase. *Biochemistry*, **2003**, 42, 6057-66 3.2 54
- 154 The chemistry of castanospermine, part I: synthetic modifications at C-6. *Tetrahedron*, **1994**, 50, 2131-2160 54
- 153 Investigation into the physical and chemical properties of sodium caseinate-maltodextrin glyco-conjugates. *Food Hydrocolloids*, **2004**, 18, 1007-1014 10.6 52
- 152 Second generation transition state analogue inhibitors of human 5'-methylthioadenosine phosphorylase. *Journal of Medicinal Chemistry*, **2005**, 48, 4679-89 8.3 52
- 151 Structures of purine nucleoside phosphorylase from *Mycobacterium tuberculosis* in complexes with immucillin-H and its pieces. *Biochemistry*, **2001**, 40, 8204-15 3.2 52
- 150 Targeting the polyamine pathway with transition-state analogue inhibitors of 5'-methylthioadenosine phosphorylase. *Journal of Medicinal Chemistry*, **2004**, 47, 3275-81 8.3 51
- 149 Structure of the exudate gum from *Meryta sinclairii*. *Carbohydrate Polymers*, **2003**, 52, 423-431 10.3 51
- 148 Structural analysis of carrageenans from Burmese and Thai samples of *Catenella nipae* Zanardini. *Carbohydrate Research*, **1996**, 285, 81-98 2.9 51
- 147 8-Aza-immucillins as transition-state analogue inhibitors of purine nucleoside phosphorylase and nucleoside hydrolases. *Journal of Medicinal Chemistry*, **2003**, 46, 155-60 8.3 50
- 146 Energetic mapping of transition state analogue interactions with human and *Plasmodium falciparum* purine nucleoside phosphorylases. *Journal of Biological Chemistry*, **2005**, 280, 30320-8 5.4 49
- 145 Acid-catalyzed pyrolytic synthesis and decomposition of 1,4:3,6-dianhydro- $\beta$ -D-glucopyranose. *Carbohydrate Research*, **1978**, 61, 519-528 2.9 49

144	Isozyme-specific transition state inhibitors for the trypanosomal nucleoside hydrolases. <i>Biochemistry</i> , <b>1997</b> , 36, 3528-34	3.2	48
143	Validation of an LC-MS/MS assay for detecting relevant disaccharides from keratan sulfate as a biomarker for Morquio A syndrome. <i>Bioanalysis</i> , <b>2011</b> , 3, 1855-66	2.1	46
142	The xylogalactan sulfate from <i>Chondria macrocarpa</i> (Ceramiiales, Rhodophyta). <i>Hydrobiologia</i> , <b>1990</b> , 204-205, 615-620	2.4	46
141	Isolation of three naturally occurring O- $\beta$ -glucopyranosides of procyanidin polymers. <i>Phytochemistry</i> , <b>1985</b> , 24, 567-569	4	46
140	Carrageenans from the tetrasporic stages of <i>Gigartina clavifera</i> and <i>Gigartina alveata</i> (Gigartinales, Rhodophyta). <i>Carbohydrate Research</i> , <b>1995</b> , 276, 155-65	2.9	45
139	Identification of an agar constituent responsible for hydric control in micropropagation of radiata pine. <i>Plant Cell, Tissue and Organ Culture</i> , <b>1995</b> , 43, 1-11	2.7	44
138	<sup>13</sup> C CP/MAS NMR study of the interaction of bile acids with barley $\beta$ -glucan. <i>Carbohydrate Polymers</i> , <b>1996</b> , 29, 7-10	10.3	44
137	Agaroids from New Zealand members of the Gracilariaceae (Gracilariales, Rhodophyta) $\beta$ novel dimethylated agar. <i>Hydrobiologia</i> , <b>1990</b> , 204-205, 645-654	2.4	44
136	A pyruvated carrageenan from Australian specimens of the red alga <i>Sarconema filiforme</i> Cell-wall polysaccharides from Australian red algae of the family Solieriaceae (Gigartinales, Rhodophyta). For previous instalment, see ref.[1].1. <i>Carbohydrate Research</i> , <b>1998</b> , 310, 77-83	2.9	43
135	Inhibitors of ADP-ribosylating bacterial toxins based on oxacarbenium ion character at their transition states. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 5690-8	16.4	43
134	The synthesis and antibacterial activity of totarol derivatives. Part 1: modifications of ring-C and pro-drugs. <i>Bioorganic and Medicinal Chemistry</i> , <b>1999</b> , 7, 1953-64	3.4	43
133	Observation by solid-state <sup>13</sup> C CP MAS NMR spectroscopy of the transformations of wheat starch associated with the making and staling of bread. <i>Carbohydrate Research</i> , <b>1992</b> , 235, 15-22	2.9	40
132	Ionic states of substrates and transition state analogues at the catalytic sites of N-ribosyltransferases. <i>Biochemistry</i> , <b>2003</b> , 42, 5694-705	3.2	39
131	Crystal structures of <i>Giardia lamblia</i> guanine phosphoribosyltransferase at 1.75 Å. <i>Biochemistry</i> , <b>2000</b> , 39, 6781-90	3.2	39
130	Structural analysis of the polysaccharide from <i>Pachymenia lusoria</i> (Cryptonemiaceae, Rhodophyta). <i>Carbohydrate Research</i> , <b>1995</b> , 268, 219-32	2.9	39
129	Alkyl 4-chlorobenzoyloxycarbamates as highly effective nitrogen source reagents for the base-free, intermolecular aminohydroxylation reaction. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 358-72	4.2	37
128	Agars from nine species of red seaweed in the genus <i>Curdiea</i> (Gracilariaceae, Rhodophyta). <i>Carbohydrate Research</i> , <b>1998</b> , 308, 107-115	2.9	37
127	Inhibition of ricin A-chain with pyrrolidine mimics of the oxacarbenium ion transition state. <i>Biochemistry</i> , <b>2004</b> , 43, 4923-33	3.2	37

126	The chemistry of castanospermine, part V: synthetic modifications at C-1 and C-7. <i>Tetrahedron</i> , <b>1997</b> , 53, 245-268	2.4	36
125	Structural Analysis of Carrageenan from Farmed Varieties of Philippine Seaweed. <i>Botanica Marina</i> , <b>2003</b> , 46,	1.8	36
124	Structural analysis of carrageenans from Burmese and Thai samples of <i>Catenella nipae</i> Zanardini. <i>Carbohydrate Research</i> , <b>1996</b> , 285, 81-98	2.9	36
123	Imino-C-nucleoside synthesis: heteroaryl lithium carbanion additions to a carbohydrate cyclic imine and nitrene. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 2217-20	4.2	34
122	Transition state analogue inhibitors of protozoan nucleoside hydrolases. <i>Bioorganic and Medicinal Chemistry</i> , <b>1999</b> , 7, 2599-606	3.4	34
121	Inhibition and structure of <i>Trichomonas vaginalis</i> purine nucleoside phosphorylase with picomolar transition state analogues. <i>Biochemistry</i> , <b>2007</b> , 46, 659-68	3.2	33
120	Transition state analogue discrimination by related purine nucleoside phosphorylases. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 7126-7	16.4	33
119	Ricin A-chain inhibitors resembling the oxacarbenium ion transition state. <i>Biochemistry</i> , <b>2001</b> , 40, 6845-53	3.2	33
118	Biosynthesis of agar polysaccharides in <i>Gracilaria chilensis</i> bird, McLachlan et Oliveira. <i>Carbohydrate Research</i> , <b>1996</b> , 287, 101-115	2.9	33
117	The structural analysis of disaccharides from red algal galactans by methylation and reductive partial-hydrolysis. <i>Carbohydrate Research</i> , <b>1995</b> , 269, 183-189	2.9	33
116	Oligosaccharide and alkyl galactopyranoside synthesis from lactose with <i>Caldocellum saccharolyticum</i> glycosidase. <i>Enzyme and Microbial Technology</i> , <b>1996</b> , 18, 544-549	3.8	32
115	Synthesis and thermal chemistry of isolevoglucosenone. <i>Carbohydrate Research</i> , <b>1986</b> , 146, 113-128	2.9	32
114	Observations on the possible application of glycosyl disulphides, sulphenic esters, and sulphones in the synthesis of glycosides. <i>Carbohydrate Research</i> , <b>1977</b> , 58, 397-404	2.9	32
113	Glycerolysis of tallow with immobilised lipase. <i>Biotechnology Letters</i> , <b>1993</b> , 15, 1043-1048	3	31
112	A simple synthesis of 8-(methoxycarbonyl)octyl 3,6-di-O-(alpha-D-mannopyranosyl)-alpha-D-mannopyranoside and derivatives and their use in the preparation of neoglycoconjugates. <i>Carbohydrate Research</i> , <b>1999</b> , 315, 148-58	2.9	30
111	Syntheses of the fungicide/insecticide allosamidin and a structural isomer. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1994</b> , 3411-3421		30
110	2-Acetamido-1,2-dideoxynojirimycin: an improved synthesis. <i>Tetrahedron</i> , <b>1993</b> , 49, 9605-9612	2.4	27
109	The Chemical Structures of Polysaccharides from New Zealand Members of the Rhodomelaceae. <i>Botanica Marina</i> , <b>1993</b> , 36,	1.8	26

- 108 Functionalised carbocycles from carbohydrates. Part 2. The synthesis of 3-oxa-2-azabicyclo[3.3.0]octanes. X-Ray crystal structure of (1R,5S)-6-exo,7-endo,8-exo-triacetoxy-N-methyl-4-endo-phenylthio-3-oxa-2-azabicyclo[3.3.0]octane. *Journal of the Chemical Society Perkin Transactions 1*, **1983**, 1621 26
- 107 Water Soluble Polysaccharides from the New Zealand Red Algae in the Family Phylloporaceae. *Botanica Marina*, **1985**, 28, 1.8 26
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- 104 Characterisation of the enigmatic, endemic red alga *Gelidium allanii* (Gelidiales) from northern New Zealand [morphology, distribution, agar chemistry. *Journal of Applied Phycology*, **1994**, 6, 497-507 3.2 25
- 103 Synthesis of 1,5-dideoxy-1,5-imino-D-galactitol from l-sorbose. *Tetrahedron Letters*, **1993**, 34, 3609-3612 2 25
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- 101 Inhibition of angiogenesis by oral ingestion of powdered shark cartilage in a rat model. *Microvascular Research*, **1997**, 54, 178-82 3.7 24
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- 99 Xylan from *Leptosarca simplex* and Carrageenans from *Iridea*, *Cenacrum* and *Nemastoma* Species from the Subantarctic Islands of New Zealand. *Botanica Marina*, **1988**, 31, 1.8 24
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- 94 A polysaccharide fraction from the red seaweed *Champia novae-zealandiae* Rhodymeniales, Rhodophyta. *Hydrobiologia*, **1996**, 326-327, 505-509 2.4 22
- 93 C-5 bromination of some glucopyranuronic acid derivatives. *Journal of the Chemical Society Perkin Transactions 1*, **1977**, 1996 22
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- 89 The influence of boric acid on the acetylation of aldoses:  $\beta$ -D-glucopyranose and its crystalline propanoyl analogue. *Journal of the Chemical Society, Perkin Transactions 1*, **2000**, 2011-2014 20
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- 79 Chemical Characteristics of the Galactans from the Forms of *Gracilaria secundata* from New Zealand. *Botanica Marina*, **1987**, 30, 1.8 17
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- 73 In vivo conversion of 6-O-sulfo-l-galactopyranosyl residues into 3,6-anhydro-l-galactopyranosyl residues in *Gracilaria chilensis* Bird, McLachlan et Oliveira. *Carbohydrate Research*, **1996**, 296, 285-292 2.9 15



72	Carrageenan from the tetrasporic stage of <i>Gigartina decipiens</i> (Gigartinaceae, Rhodophyta). <i>Carbohydrate Research</i> , <b>1994</b> , 252, 171-82	2.9	15
71	Comparison of growth rate in culture, dry matter content, agar content and agar quality of two New Zealand red seaweeds, <i>Gracilaria chilensis</i> Bird, McLachlan and <i>Gracilaria truncata</i> Kraft. <i>Journal of Applied Phycology</i> , <b>1993</b> , 5, 85-91	3.2	15
70	The Structural Determination of the Agaroid Polysaccharides from Four New Zealand Algae in the Order Ceramiales by Means of <sup>13</sup> C-NMR Spectroscopy. <i>Botanica Marina</i> , <b>1997</b> , 40,	1.8	14
69	Intervention of catalytic amounts of water in the allylic rearrangements of glycol derivatives. <i>Tetrahedron: Asymmetry</i> , <b>2000</b> , 11, 379-383		14
68	The chemistry of castanospermine, part III:1,2 Castanospermine-6-phosphate, an unusual route to a novel compound. <i>Tetrahedron Letters</i> , <b>1995</b> , 36, 3055-3058	2	14
67	The synthesis and antibacterial activity of totarol derivatives. Part 2: Modifications at C-12 and O-13. <i>Bioorganic and Medicinal Chemistry</i> , <b>2000</b> , 8, 1653-62	3.4	13
66	A novel and simple colorimetric method for screening <i>Giardia intestinalis</i> and anti-giardial activity in vitro. <i>Parasitology</i> , <b>1998</b> , 117 ( Pt 3), 229-34	2.7	13
65	High-yield syntheses of ethyl and 2-fluoroethyl β-D-galactopyranosides using <i>Streptococcus thermophilus</i> β-galactosidase. <i>Enzyme and Microbial Technology</i> , <b>1996</b> , 18, 513-518	3.8	13
64	3-Oxidopyrylium adducts from the pyrolysis of cellulose. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1984</b> , 1923		13
63	A fluorescent probe for GM1 gangliosidosis related β-galactosidase: N-(dansylamino)hexylaminocarbonylpentyl-1,5-dideoxy-1,5-imino-D-galactitol. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 6872-5	2.9	12
62	A Structural Analysis of the Polysaccharide from <i>Kallymenia berggrenii</i> J. Ag.. <i>Botanica Marina</i> , <b>1996</b> , 39,	1.8	12
61	Chemical methylation of agaroid hydroxyl-groups. <i>Carbohydrate Research</i> , <b>1994</b> , 262, 127-135	2.9	12
60	1-Deoxy-D-galactonojirimycins with dansyl capped N-substituents as β-galactosidase inhibitors and potential probes for GM1 gangliosidosis affected cell lines. <i>Carbohydrate Research</i> , <b>2011</b> , 346, 1592-8	2.9	11
59	1,3-Dideoxyojirimycin-3-yl glycosides of beta-(1→3)- and beta-(1→6)-linked gluco-oligosaccharides. <i>Carbohydrate Research</i> , <b>2006</b> , 341, 2115-25	2.9	11
58	New mannotrioses and trimannosides as potential ligands for mannose-specific binding proteins. <i>Canadian Journal of Chemistry</i> , <b>2002</b> , 80, 964-972	0.9	11
57	Synthesis and Herbicidal Activity of [3R,5S,6S]-3-Benzoyloxy-5-methoxy-1,7-dioxaspiro[5.5]undecane and [3R,5S,6S]-3-Methoxy-5-benzoyloxy-1,7-dioxaspiro[5.5]undecane. <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 471-479	4.2	11
56	A New Assay For Sialyltransferases Using Fluorescein-Labelled Acceptors. <i>Liebigs Annalen</i> , <b>1996</b> , 1996, 1773-1784		11
55	Synthesis of allyl beta-D-galactopyranoside from lactose using <i>Streptococcus thermophilus</i> beta-D-galactosidase. <i>Carbohydrate Research</i> , <b>1996</b> , 284, 279-83	2.9	11

54	Isolation and C-NMR Spectral Study of the Water Soluble Polysaccharides from Four South African Red Algae. <i>Botanica Marina</i> , <b>1986</b> , 29,	1.8	11
53	1-Deoxynojirimycins with dansyl capped N-substituents as probes for Morbus Gaucher affected cell lines. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 1371-6	2.9	10
52	Using gigartinine to track the distribution of an alien species of Gracilaria in New Zealand. <i>Journal of Applied Phycology</i> , <b>2007</b> , 19, 313-323	3.2	10
51	Assignment of downfield proton resonances in purine nucleoside phosphorylase immucillin-H complex by saturation-transferred NOEs. <i>Biochemistry</i> , <b>2004</b> , 43, 1980-7	3.2	10
50	Synthesis of allosamidin analogues. <i>Carbohydrate Research</i> , <b>1996</b> , 294, 29-39	2.9	10
49	The chemistry of some 1-mercury(II)thio-d-glucose compounds; a new synthesis of 1-thio sugars. <i>Carbohydrate Research</i> , <b>1977</b> , 57, 73-83	2.9	10
48	Synthesis of the enantiomers of hexahydrodibenz[d,f]azecines. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 7665-71	4.2	9
47	Trichomonas vaginalis: detection of nucleoside hydrolase activity as a potential screening procedure. <i>Experimental Parasitology</i> , <b>2000</b> , 94, 125-8	2.1	9
46	The Backbone Structure of the Sulfated Galactan from Plocamium costatum (C. Agardh) Hook. f. et Harv. (Plocamiaceae, Rhodophyta). <i>Botanica Marina</i> , <b>1999</b> , 42,	1.8	9
45	Synthesis of 2-fluoroethyl beta-D-galactopyranoside and 2-fluoroethyl 6-O-beta-D-galactopyranosyl-beta-D-galactopyranoside from lactose using beta-D-galactosidase. <i>Carbohydrate Research</i> , <b>1994</b> , 256, 185-8	2.9	9
44	The chemical structure of the polysaccharide from Dasyclonium incisum. <i>Hydrobiologia</i> , <b>1993</b> , 260-261, 647-651	2.4	9
43	Chemotaxonomy of New Zealand red algae in the family Gigartinales (Rhodophyta) based on galactan structures from the tetrasporophyte life-stage. <i>Carbohydrate Research</i> , <b>2009</b> , 344, 210-6	2.9	8
42	Glucufuranosylation with penta-O-propanoyl-beta-D-glucufuranose. <i>Carbohydrate Research</i> , <b>2002</b> , 337, 1999-2004	2.9	8
41	Manipulation of Galactan Biosynthesis in Gracilaria chilensis Bird, McLachlan et Oliveira by Light Deprivation. <i>Botanica Marina</i> , <b>2000</b> , 43,	1.8	8
40	Agars from Three Fijian Gracilaria Species. <i>Botanica Marina</i> , <b>1999</b> , 42,	1.8	8
39	Synthesis of 2-acetamido-1,2,4-trideoxy-1,4-imino-D-galactitol and -D-glucitol for evaluation as glycosidase inhibitors. <i>Tetrahedron</i> , <b>1994</b> , 50, 13299-13312	2.4	8
38	2-Benzoyloxy-6,8-Dioxabicyclo[3.2.1]Octanes: New carbohydrate-derived herbicides. <i>Pest Management Science</i> , <b>1991</b> , 31, 419-435		8
37	Synthesis of 2-acetamido-1,2,4-trideoxy-1,4-imino-d-galactitol, A new hexosaminidase inhibitor. <i>Tetrahedron Letters</i> , <b>1993</b> , 34, 3477-3480	2	8

36	The crystal structure of 1,5-anhydro-4-deoxy-d-glycero-hex-1-en-3-ulose. <i>Carbohydrate Research</i> , <b>1981</b> , 90, 319-325	2.9	8
35	Activation of Sugar Hydroxyl Groups Prior to Glycosylation. <i>Australian Journal of Chemistry</i> , <b>2009</b> , 62, 585	1.2	7
34	Biosynthetic Activity and Galactan Composition in Different Regions of the Thallus of <i>Gracilaria chilensis</i> Bird, McLachlan et Oliveira. <i>Botanica Marina</i> , <b>1997</b> , 40,	1.8	7
33	A <sup>13</sup> C solid-state NMR study of ion-exchange resins derived from natural polysaccharides. <i>Carbohydrate Research</i> , <b>1994</b> , 262, 185-194	2.9	7
32	Antiferromagnetic binuclear halogen-bridged dithiocarbamate complexes of copper(II). <i>Inorganic and Nuclear Chemistry Letters</i> , <b>1976</b> , 12, 501-503		7
31	Variations in the Constituent Sugars of the Polysaccharides from New Zealand Species of <i>Pachymenia</i> (Halymeniaceae). <i>Botanica Marina</i> , <b>1997</b> , 40,	1.8	6
30	The chemistry of castanospermine. Direct oxidation of the tetraacetate to the corresponding gamma-lactam. <i>Carbohydrate Research</i> , <b>2004</b> , 339, 1747-51	2.9	6
29	The products of the zinc chloride-promoted decomposition of cellulose in aqueous phenol at 350°C. <i>Carbohydrate Research</i> , <b>1992</b> , 237, 79-86	2.9	6
28	An evaluation of the herbicidal and plant growth regulatory activity of a novel class of carbohydrate-derived 6,8-dioxabicyclo[3.2.1]octanes. <i>Pest Management Science</i> , <b>1990</b> , 30, 59-66		6
27	The chemical substitution of the agar-type polysaccharide from <i>Gracilaria secundata</i> f. <i>pseudoflagellifera</i> (Rhodophyta). <i>Hydrobiologia</i> , <b>1987</b> , 151-152, 523-529	2.4	6
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25	Carbohydrate sulphates <b>1999</b> , 107-149		5
24	Variation of Native Agar Gel Strength in Light Deprived <i>Gracilaria chilensis</i> Bird, McLachlan et Oliveira. <i>Botanica Marina</i> , <b>2003</b> , 46,	1.8	4
23	A novel phosphatidylinositol manno-oligosaccharide (dPIM-8) from <i>Gordonia sputi</i> . <i>Carbohydrate Research</i> , <b>2005</b> , 340, 1618-24	2.9	4
22	A new route to L-ascorbic acid (vitamin C). <i>Journal of the Chemical Society Chemical Communications</i> , <b>1977</b> , 332		4
21	Chemical Synthesis of the Antiviral Nucleotide Analogue ddhCTP. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 8843-8850	4.2	4
20	A New Stereospecific Synthesis of 1,2,4-Trideoxy-1,4-Imino-D-Erythro-Pentitol. <i>Journal of Carbohydrate Chemistry</i> , <b>2000</b> , 19, 573-583	1.7	3
19	Isotope studies of the transfer of the carbon atoms of carbohydrate derivatives into aromatic compounds (especially xanthene) under degradation conditions. <i>Carbohydrate Research</i> , <b>1992</b> , 237, 87-94	2.9	3

18	The crystal structure of an olefinic cyclic trimer of levoglucosenone. <i>Carbohydrate Research</i> , <b>1982</b> , 104, 11-19	2.9	3
17	Transition state analogue inhibitors of N-ribosyltransferases: new drugs by targeting nucleoside processing enzymes. <i>Nucleic Acids Symposium Series</i> , <b>2007</b> , 63-4		2
16	The crystal structure of a nonalkenic, cyclic trimer of levoglucosenone. <i>Carbohydrate Research</i> , <b>1983</b> , 112, 179-187	2.9	2
15	Synthesis of a new spiroacetal based herbicide. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 3591-3594	2	1
14	(1R,2R,3S,5R,6R,7S,9aR,10aR)-4a,8a-Diazaperhydroanthracene-1,2,3,5,6,7-hexaol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2003</b> , 59, o1370-o1371		1
13	1,7,8-Tri-O-acetyl-6-O-benzoylcastanospermine. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2000</b> , 56, e394-e395		1
12	Use of Enzyme Technology to Convert Waste Lactose into Valuable Products. <i>Annals of the New York Academy of Sciences</i> , <b>1996</b> , 799, 555-558	6.5	1
11	Adducts from the Pyrolysis of Cellulose: (1R,2R,3S,5R,6R,7S,9aR,10aR)-1,3,8-Dioxatricyclo[5.3.1.12,6]dodeca-4,9-diene-11,12-dione and (1R)-(1R,2R,3S,5R,6R,7S,9aR,10aR)-5,13,14-Trioxatetracyclo[7.3.1.13,6.02,8]tetradec-10-ene-7,12-dione. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1995</b> , 51, 1369-1372		1
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8	Synthesis of C-labelled sulfated N-acetyl-d-lactosamines to aid in the diagnosis of mucopolysaccharidosis diseases. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2019</b> , 62, 67-76	1.9	
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4	1,6-Anhydro-4-O-benzyl-3-deoxy-2-O-methyl-β-D-ribo-hexopyranose and 1,6-Anhydro-4-O-benzyl-2-C-(2-cyanoethyl)-2,3-dideoxy-β-D-ribo-hexopyranose. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1995</b> , 51, 2418-2421		
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2	The chemical structure of the polysaccharide from <i>Dasyclonium incisum</i> <b>1993</b> , 647-651		
1	A polysaccharide fraction from the red seaweed <i>Champia novae-zealandiae</i> Rhodymeniales, Rhodophyta <b>1996</b> , 505-509		

