

Richard H Furneaux

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.

197
papers

7,331
citations

50
h-index

75
g-index

209
ext. papers

7,661
ext. citations

3.7
avg, IF

5.32
L-index

#	Paper	IF	Citations
197	Chemical Synthesis of the Antiviral Nucleotide Analogue ddhCTP. <i>Journal of Organic Chemistry</i> , 2021 , 86, 8843-8850	4.2	4
196	Synthesis of 12-Methyl-18-bile Acids. <i>ACS Omega</i> , 2021 , 6, 25019-25039	3.9	0
195	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> , 2019 , 62, 67-76	1.9	
194	Robert John (Robin) Ferrier: 1932-2013. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2015 , 72, 2-19	3.7	
193	Alkyl 4-chlorobenzoyloxycarbamates as highly effective nitrogen source reagents for the base-free, intermolecular aminohydroxylation reaction. <i>Journal of Organic Chemistry</i> , 2011 , 76, 358-72	4.2	37
192	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> , 2011 , 21, 6872-5	2.9	12
191	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> , 2011 , 346, 1592-8	2.9	11
190	Validation of an LC-MS/MS assay for detecting relevant disaccharides from keratan sulfate as a biomarker for Morquio A syndrome. <i>Bioanalysis</i> , 2011 , 3, 1855-66	2.1	46
189	1-Deoxynojirimycins with dansyl capped N-substituents as probes for Morbus Gaucher affected cell lines. <i>Carbohydrate Research</i> , 2010 , 345, 1371-6	2.9	10
188	A synchrotron radiation study of the one-dimensional complex of sodium with (1S)-N-carboxylato-1-(9-deazaadenin-9-yl)-1,4-dideoxy-1,4-imino-D-ribitol, a member of the 'immucillin' family. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010 , 66, m65-8		
187	The synthesis and immune stimulating action of mannose-capped lysine-based dendrimers. <i>Tetrahedron</i> , 2009 , 65, 2939-2950	2.4	17
186	Chemotaxonomy of New Zealand red algae in the family Gigartinales (Rhodophyta) based on galactan structures from the tetrasporophyte life-stage. <i>Carbohydrate Research</i> , 2009 , 344, 210-6	2.9	8
185	Third-generation immucillins: syntheses and bioactivities of acyclic immucillin inhibitors of human purine nucleoside phosphorylase. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 1126-43	8.3	65
184	Activation of Sugar Hydroxyl Groups Prior to Glycosylation. <i>Australian Journal of Chemistry</i> , 2009 , 62, 585	1.2	7
183	L-Enantiomers of transition state analogue inhibitors bound to human purine nucleoside phosphorylase. <i>Journal of the American Chemical Society</i> , 2008 , 130, 842-4	16.4	22
182	Transition state analogues in quorum sensing and SAM recycling. <i>Nucleic Acids Symposium Series</i> , 2008 , 75-6		22
181	Azetidine based transition state analogue inhibitors of N-ribosyl hydrolases and phosphorylases. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 948-56	8.3	66

180	Picomolar inhibitors as transition-state probes of 5'-methylthioadenosine nucleosidases. <i>ACS Chemical Biology</i> , 2007 , 2, 725-34	4.9	56
179	Inhibition and structure of <i>Trichomonas vaginalis</i> purine nucleoside phosphorylase with picomolar transition state analogues. <i>Biochemistry</i> , 2007 , 46, 659-68	3.2	33
178	Using gigartinine to track the distribution of an alien species of <i>Gracilaria</i> in New Zealand. <i>Journal of Applied Phycology</i> , 2007 , 19, 313-323	3.2	10
177	Transition state analogue inhibitors of N-ribosyltransferases: new drugs by targeting nucleoside processing enzymes. <i>Nucleic Acids Symposium Series</i> , 2007 , 63-4		2
176	A practical synthesis of (3R,4R)-N-tert-butoxycarbonyl-4-hydroxymethylpyrrolidin-3-ol. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 2800-2	3.9	18
175	Mannosylated liposomes as antigen delivery vehicles for targeting to dendritic cells. <i>Journal of Pharmacy and Pharmacology</i> , 2006 , 58, 729-37	4.8	66
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> , 2006 , 4, 1131-9	3.9	72
173	Structure and inhibition of a quorum sensing target from <i>Streptococcus pneumoniae</i> . <i>Biochemistry</i> , 2006 , 45, 12929-41	3.2	55
172	Syntheses of oligomannosides in solution and on a soluble polymer support: a comparison. <i>Carbohydrate Research</i> , 2006 , 341, 299-321	2.9	17
171	1,3-Dideoxynojirimycin-3-yl glycosides of beta-(1->3)- and beta-(1->6)-linked gluco-oligosaccharides. <i>Carbohydrate Research</i> , 2006 , 341, 2115-25	2.9	11
170	Transition state analogue discrimination by related purine nucleoside phosphorylases. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7126-7	16.4	33
169	Structure and Antiviral Activity of the Galactofucan Sulfates Extracted from <i>Undaria Pinnatifida</i> (Phaeophyta). <i>Journal of Applied Phycology</i> , 2006 , 18, 185-193	3.2	123
168	Second generation transition state analogue inhibitors of human 5'-methylthioadenosine phosphorylase. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 4679-89	8.3	52
167	Structural analysis of carrageenans from the red alga, <i>Callophyllis hombroniana</i> Mont. Kütz (Kallymeniaceae, Rhodophyta). <i>Carbohydrate Research</i> , 2005 , 340, 1149-58	2.9	21
166	A novel phosphatidylinositol manno-oligosaccharide (dPIM-8) from <i>Gordonia sputi</i> . <i>Carbohydrate Research</i> , 2005 , 340, 1618-24	2.9	4
165	Femtomolar transition state analogue inhibitors of 5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2005 , 280, 18265-73	5.4	112
164	Energetic mapping of transition state analogue interactions with human and <i>Plasmodium falciparum</i> purine nucleoside phosphorylases. <i>Journal of Biological Chemistry</i> , 2005 , 280, 30320-8	5.4	49
163	Targeting a novel <i>Plasmodium falciparum</i> purine recycling pathway with specific immucillins. <i>Journal of Biological Chemistry</i> , 2005 , 280, 9547-54	5.4	88

162	Structural rationale for the affinity of pico- and femtomolar transition state analogues of Escherichia coli 5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase. <i>Journal of Biological Chemistry</i> , 2005 , 280, 18274-82	5.4	65
161	A novel mechanism for desulfation of mucin: identification and cloning of a mucin-desulfating glycosidase (sulfoglycosidase) from Prevotella strain RS2. <i>Journal of Bacteriology</i> , 2005 , 187, 1543-51	3.5	56
160	Plasmodium falciparum purine nucleoside phosphorylase: crystal structures, immucillin inhibitors, and dual catalytic function. <i>Journal of Biological Chemistry</i> , 2004 , 279, 18103-6	5.4	90
159	Investigation into the physical and chemical properties of sodium caseinate-maltodextrin glyco-conjugates. <i>Food Hydrocolloids</i> , 2004 , 18, 1007-1014	10.6	52
158	The chemistry of castanospermine. Direct oxidation of the tetraacetate to the corresponding gamma-lactam. <i>Carbohydrate Research</i> , 2004 , 339, 1747-51	2.9	6
157	Imino-C-nucleoside synthesis: heteroaryl lithium carbanion additions to a carbohydrate cyclic imine and nitrone. <i>Journal of Organic Chemistry</i> , 2004 , 69, 2217-20	4.2	34
156	Inhibitors of ADP-ribosylating bacterial toxins based on oxacarbenium ion character at their transition states. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5690-8	16.4	43
155	Assignment of downfield proton resonances in purine nucleoside phosphorylase immucillin-H complex by saturation-transferred NOEs. <i>Biochemistry</i> , 2004 , 43, 1980-7	3.2	10
154	Targeting the polyamine pathway with transition-state analogue inhibitors of 5'-methylthioadenosine phosphorylase. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 3275-81	8.3	51
153	Picomolar transition state analogue inhibitors of human 5'-methylthioadenosine phosphorylase and X-ray structure with MT-immucillin-A. <i>Biochemistry</i> , 2004 , 43, 9-18	3.2	58
152	Synthesis of the enantiomers of hexahydrodibenz[d,f]azecines. <i>Journal of Organic Chemistry</i> , 2004 , 69, 7665-71	4.2	9
151	Inhibition of ricin A-chain with pyrrolidine mimics of the oxacarbenium ion transition state. <i>Biochemistry</i> , 2004 , 43, 4923-33	3.2	37
150	Unusual Glycosylation of 9-O-Benzylallosamizoline. <i>Australian Journal of Chemistry</i> , 2004 , 57, 799	1.2	
149	Achieving the ultimate physiological goal in transition state analogue inhibitors for purine nucleoside phosphorylase. <i>Journal of Biological Chemistry</i> , 2003 , 278, 31465-8	5.4	99
148	Analysis of pyruvylated beta-carrageenan by 2D NMR spectroscopy and reductive partial hydrolysis. <i>Carbohydrate Research</i> , 2003 , 338, 1403-14	2.9	20
147	Structure of the exudate gum from Meryta sinclairii. <i>Carbohydrate Polymers</i> , 2003 , 52, 423-431	10.3	51
146	(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> , 2003 , 59, o1370-o1371		1
145	Synthesis of a transition state analogue inhibitor of purine nucleoside phosphorylase via the Mannich reaction. <i>Organic Letters</i> , 2003 , 5, 3639-40	6.2	72

144	Synthesis of second-generation transition state analogues of human purine nucleoside phosphorylase. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 5271-6	8.3	96
143	8-Aza-immucillins as transition-state analogue inhibitors of purine nucleoside phosphorylase and nucleoside hydrolases. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 155-60	8.3	50
142	Exploring structure-activity relationships of transition state analogues of human purine nucleoside phosphorylase. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 3412-23	8.3	74
141	Structural Analysis of Carrageenan from Farmed Varieties of Philippine Seaweed. <i>Botanica Marina</i> , 2003 , 46,	1.8	36
140	Variation of Native Agar Gel Strength in Light Deprived <i>Gracilaria chilensis</i> Bird, McLachlan et Oliveira. <i>Botanica Marina</i> , 2003 , 46,	1.8	4
139	Ionic states of substrates and transition state analogues at the catalytic sites of N-ribosyltransferases. <i>Biochemistry</i> , 2003 , 42, 5694-705	3.2	39
138	Over-the-barrier transition state analogues and crystal structure with Mycobacterium tuberculosis purine nucleoside phosphorylase. <i>Biochemistry</i> , 2003 , 42, 6057-66	3.2	54
137	Synthesis and utility of sulfated chromogenic carbohydrate model substrates for measuring activities of mucin-desulfating enzymes. <i>Carbohydrate Research</i> , 2002 , 337, 1095-111	2.9	18
136	Glucufuranosylation with penta-O-propanoyl-beta-D-glucufuranose. <i>Carbohydrate Research</i> , 2002 , 337, 1999-2004	2.9	8
135	Transition state analogue inhibitors of purine nucleoside phosphorylase from Plasmodium falciparum. <i>Journal of Biological Chemistry</i> , 2002 , 277, 3219-25	5.4	76
134	Purine-less death in Plasmodium falciparum induced by immucillin-H, a transition state analogue of purine nucleoside phosphorylase. <i>Journal of Biological Chemistry</i> , 2002 , 277, 3226-31	5.4	85
133	Atomic dissection of the hydrogen bond network for transition-state analogue binding to purine nucleoside phosphorylase. <i>Biochemistry</i> , 2002 , 41, 14489-98	3.2	59
132	New mannotrioses and trimannosides as potential ligands for mannose-specific binding proteins. <i>Canadian Journal of Chemistry</i> , 2002 , 80, 964-972	0.9	11
131	Structure of fructans from excised leaves of New Zealand flax. <i>Phytochemistry</i> , 2001 , 57, 661-8	4	23
130	Characterisation of polysaccharides synthesised by <i>Gluconobacter oxydans</i> NCIMB 4943. <i>Carbohydrate Polymers</i> , 2001 , 45, 285-292	10.3	16
129	The presence of gigartinine in a New Zealand <i>Gracilaria</i> species. <i>Journal of Applied Phycology</i> , 2001 , 13, 409-413	3.2	15
128	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> , 2001 , 98, 4593-8	11.5	157
127	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> , 2001 , 66, 5723-30	4.2	75

126	Purine nucleoside phosphorylase from <i>Mycobacterium tuberculosis</i> . Analysis of inhibition by a transition-state analogue and dissection by parts. <i>Biochemistry</i> , 2001 , 40, 8196-203	3.2	55
125	Transition state structure of purine nucleoside phosphorylase and principles of atomic motion in enzymatic catalysis. <i>Biochemistry</i> , 2001 , 40, 853-60	3.2	197
124	Structures of purine nucleoside phosphorylase from <i>Mycobacterium tuberculosis</i> in complexes with immucillin-H and its pieces. <i>Biochemistry</i> , 2001 , 40, 8204-15	3.2	52
123	Ricin A-chain inhibitors resembling the oxacarbenium ion transition state. <i>Biochemistry</i> , 2001 , 40, 6845-53	3.2	33
122	1,7,8-Tri-O-acetyl-6-O-benzoylcastanospermine. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000 , 56, e394-e395		1
121	Synthesis of Transition State Analogue Inhibitors for Purine Nucleoside Phosphorylase and N-Riboside Hydrolases. <i>Tetrahedron</i> , 2000 , 56, 3053-3062	2.4	71
120	Intervention of catalytic amounts of water in the allylic rearrangements of glycol derivatives. <i>Tetrahedron: Asymmetry</i> , 2000 , 11, 379-383		14
119	The synthesis and antibacterial activity of totarol derivatives. Part 2: Modifications at C-12 and O-13. <i>Bioorganic and Medicinal Chemistry</i> , 2000 , 8, 1653-62	3.4	13
118	The synthesis and antibacterial activity of totarol derivatives. Part 3: Modification of ring-B. <i>Bioorganic and Medicinal Chemistry</i> , 2000 , 8, 1663-75	3.4	19
117	<i>Trichomonas vaginalis</i> : detection of nucleoside hydrolase activity as a potential screening procedure. <i>Experimental Parasitology</i> , 2000 , 94, 125-8	2.1	9
116	A New Stereospecific Synthesis of 1,2,4-Trideoxy-1,4-Imino-D-Erythro-Pentitol. <i>Journal of Carbohydrate Chemistry</i> , 2000 , 19, 573-583	1.7	3
115	Manipulation of Galactan Biosynthesis in <i>Gracilaria chilensis</i> Bird, McLachlan et Oliveira by Light Deprivation. <i>Botanica Marina</i> , 2000 , 43,	1.8	8
114	The influence of boric acid on the acetylation of aldoses: Syntheses of penta-O-acetyl- β -D-glucopyranose and its crystalline propanoyl analogue. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000 , 2011-2014		20
113	Crystal structures of <i>Giardia lamblia</i> guanine phosphoribosyltransferase at 1.75 Å. <i>Biochemistry</i> , 2000 , 39, 6781-90	3.2	39
112	The synthesis and antibacterial activity of totarol derivatives. Part 1: modifications of ring-C and pro-drugs. <i>Bioorganic and Medicinal Chemistry</i> , 1999 , 7, 1953-64	3.4	43
111	Transition state analogue inhibitors of protozoan nucleoside hydrolases. <i>Bioorganic and Medicinal Chemistry</i> , 1999 , 7, 2599-606	3.4	34
110	Synthesis studies of structural analogues of tagetitoxin: 4-O-acetyl-3-amino-1,6-anhydro-3-deoxy-D-glucose 2-phosphate. <i>Tetrahedron</i> , 1999 , 55, 6977-6996	2.4	18
109	Transition-state analogs as inhibitors of human and malarial hypoxanthine-guanine phosphoribosyltransferases. <i>Nature Structural Biology</i> , 1999 , 6, 582-7		76

108	The 2.0 A structure of human hypoxanthine-guanine phosphoribosyltransferase in complex with a transition-state analog inhibitor. <i>Nature Structural Biology</i> , 1999 , 6, 588-93		130
107	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> , 1999 , 315, 148-58	2.9	30
106	Improved Syntheses of 3H,5H-Pyrrolo[3,2-d]pyrimidines. <i>Journal of Organic Chemistry</i> , 1999 , 64, 8411-8412		58
105	Agars from Three Fijian Gracilaria Species. <i>Botanica Marina</i> , 1999 , 42,	1.8	8
104	The Backbone Structure of the Sulfated Galactan from Plocamium costatum (C. Agardh) Hook. f. et Harv. (Plocamiaceae, Rhodophyta). <i>Botanica Marina</i> , 1999 , 42,	1.8	9
103	The 2.0 A structure of malarial purine phosphoribosyltransferase in complex with a transition-state analogue inhibitor. <i>Biochemistry</i> , 1999 , 38, 9872-80	3.2	136
102	Iminoribitol transition state analogue inhibitors of protozoan nucleoside hydrolases. <i>Biochemistry</i> , 1999 , 38, 13147-54	3.2	71
101	Carbohydrate sulphates 1999 , 107-149		5
100	Structural analysis of carrageenans from the tetrasporic stages of the red algae, Gigartina lanceata and Gigartina chapmanii (Gigartinales, Rhodophyta). <i>Carbohydrate Research</i> , 1998 , 307, 325-331	2.9	88
99	Agars from nine species of red seaweed in the genus Curdiea (Gracilariaceae, Rhodophyta). <i>Carbohydrate Research</i> , 1998 , 308, 107-115	2.9	37
98	Chemical and spectroscopic characterisation of the phosphatidylinositol manno-oligosaccharides from Mycobacterium bovis AN5 and WAg201 and Mycobacterium smegmatis mc2 155. <i>Carbohydrate Research</i> , 1998 , 308, 397-408	2.9	25
97	A pyruvated carrageenan from Australian specimens of the red alga Sarconema filiforme 1 Cell-wall polysaccharides from Australian red algae of the Family Solieriaceae (Gigartinales, Rhodophyta). For previous instalment, see ref.[1].1. <i>Carbohydrate Research</i> , 1998 , 310, 77-83	2.9	43
96	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> , 1998 , 63, 471-479	4.2	11
95	One-third-the-sites transition-state inhibitors for purine nucleoside phosphorylase. <i>Biochemistry</i> , 1998 , 37, 8615-21	3.2	234
94	A novel and simple colorimetric method for screening Giardia intestinalis and anti-giardial activity in vitro. <i>Parasitology</i> , 1998 , 117 (Pt 3), 229-34	2.7	13
93	Isozyme-specific transition state inhibitors for the trypanosomal nucleoside hydrolases. <i>Biochemistry</i> , 1997 , 36, 3528-34	3.2	48
92	Inhibition of angiogenesis by oral ingestion of powdered shark cartilage in a rat model. <i>Microvascular Research</i> , 1997 , 54, 178-82	3.7	24
91	Biosynthetic Activity and Galactan Composition in Different Regions of the Thallus of Gracilaria chilensis Bird, McLachlan et Oliveira. <i>Botanica Marina</i> , 1997 , 40,	1.8	7

90	Variations in the Constituent Sugars of the Polysaccharides from New Zealand Species of <i>Pachymenia</i> (Halymeniaceae). <i>Botanica Marina</i> , 1997 , 40,	1.8	6
89	The Structural Determination of the Agaroid Polysaccharides from Four New Zealand Algae in the Order Ceramiales by Means of ¹³ CNMR Spectroscopy. <i>Botanica Marina</i> , 1997 , 40,	1.8	14
88	The chemistry of castanospermine, part V: synthetic modifications at C-1 and C-7. <i>Tetrahedron</i> , 1997 , 53, 245-268	2.4	36
87	Synthesis of transition state inhibitors for N-riboside hydrolases and transferases. <i>Tetrahedron</i> , 1997 , 53, 2915-2930	2.4	67
86	Synthesis of a new spiroacetal based herbicide. <i>Tetrahedron Letters</i> , 1997 , 38, 3591-3594	2	1
85	Use of Enzyme Technology to Convert Waste Lactose into Valuable Products. <i>Annals of the New York Academy of Sciences</i> , 1996 , 799, 555-558	6.5	1
84	Mechanistic Diagnoses of N-Ribohydrolases and Purine Nucleoside Phosphorylase. <i>Journal of the American Chemical Society</i> , 1996 , 118, 2111-2112	16.4	57
83	A Structural Analysis of the Polysaccharide from <i>Kallymenia berggrenii</i> J. Ag.. <i>Botanica Marina</i> , 1996 , 39,	1.8	12
82	¹³ C CP/MAS NMR study of the interaction of bile acids with barley β-glucan. <i>Carbohydrate Polymers</i> , 1996 , 29, 7-10	10.3	44
81	A New Assay For Sialyltransferases Using Fluorescein-Labelled Acceptors. <i>Liebigs Annalen</i> , 1996 , 1996, 1773-1784		11
80	Synthesis of allyl beta-D-galactopyranoside from lactose using <i>Streptococcus thermophilus</i> beta-D-galactosidase. <i>Carbohydrate Research</i> , 1996 , 284, 279-83	2.9	11
79	Biosynthesis of agar polysaccharides in <i>Gracilaria chilensis</i> bird, McLachlan et Oliveira. <i>Carbohydrate Research</i> , 1996 , 287, 101-115	2.9	33
78	Oligosaccharide and alkyl βgalactopyranoside synthesis from lactose with <i>Caldocellum saccharolyticum</i> βglycosidase. <i>Enzyme and Microbial Technology</i> , 1996 , 18, 544-549	3.8	32
77	High-yield syntheses of ethyl and 2-fluoroethyl βd-galactopyranosides using <i>Streptococcus thermophilus</i> βgalactosidase. <i>Enzyme and Microbial Technology</i> , 1996 , 18, 513-518	3.8	13
76	In vivo conversion of 6-O-sulfo-l-galactopyranosyl residues into 3,6-anhydro-l-galactopyranosyl residues in <i>Gracilaria chilensis</i> Bird, McLachlan et Oliveira. <i>Carbohydrate Research</i> , 1996 , 296, 285-292	2.9	15
75	(1R,2S,4R)-2-Benzyloxy-4-methoxy-5-(1-methylethyl)-6,8-dioxabicyclo[3.2.1]octane and (1R,2S,4R)-2-Benzyloxy-4-methoxy-2-methyl-6,8-dioxabicyclo[3.2.1]octane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1996 , 52, 1274-1277		
74	A polysaccharide fraction from the red seaweed <i>Champia novae-zealandiae</i> Rhodymeniales, Rhodophyta. <i>Hydrobiologia</i> , 1996 , 326-327, 505-509	2.4	22
73	Structural analysis of carrageenans from Burmese and Thai samples of <i>Catenella nipae</i> Zanardini. <i>Carbohydrate Research</i> , 1996 , 285, 81-98	2.9	36

72	Synthesis of allosamidin analogues. <i>Carbohydrate Research</i> , 1996 , 294, 29-39	2.9	10
71	Structural analysis of carrageenans from Burmese and Thai samples of <i>Catenella nipae</i> Zanardini. <i>Carbohydrate Research</i> , 1996 , 285, 81-98	2.9	51
70	Synthesis of allosamidin analogues. <i>Carbohydrate Research</i> , 1996 , 294, 29-39	2.9	17
69	A polysaccharide fraction from the red seaweed <i>Champia novae-zealandiae</i> Rhodymeniales, Rhodophyta 1996 , 505-509		
68	Identification of an agar constituent responsible for hydric control in micropropagation of radiata pine. <i>Plant Cell, Tissue and Organ Culture</i> , 1995 , 43, 1-11	2.7	44
67	The Chemistry of Castanospermine, Part IV1: Synthetic Modifications at C-8. <i>Tetrahedron</i> , 1995 , 51, 12611-12630		
66	The chemistry of castanospermine, part III:1,2 Castanospermine-6-phosphate, an unusual route to a novel compound. <i>Tetrahedron Letters</i> , 1995 , 36, 3055-3058	2	14
65	Adducts from the Pyrolysis of Cellulose: (1R,2R,3R)-3,8-Dioxatricyclo[5.3.1.1 ^{2,6}]dodeca-4,9-diene-11,12-dione and (1R)-(1R,2R,3R)-5,13,14-Trioxatetracyclo[7.3.1.1 ^{3,6} .0 ^{2,8}]tetradec-10-ene-7,12-dione. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1995 , 51, 1369-1372		1
64	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> , 1995 , 51, 2418-2421		
63	Structural analysis of the polysaccharide from <i>Pachymenia lusoria</i> (Cryptonemiaceae, Rhodophyta). <i>Carbohydrate Research</i> , 1995 , 268, 219-32	2.9	39
62	The structural analysis of disaccharides from red algal galactans by methylation and reductive partial-hydrolysis. <i>Carbohydrate Research</i> , 1995 , 269, 183-189	2.9	33
61	Carrageenans from the tetrasporic stages of <i>Gigartina clavifera</i> and <i>Gigartina alveata</i> (Gigartinaceae, Rhodophyta). <i>Carbohydrate Research</i> , 1995 , 276, 155-65	2.9	45
60	Solid-state NMR studies on the structure of starch granules. <i>Carbohydrate Research</i> , 1995 , 276, 387-399	2.9	82
59	Characterisation of the enigmatic, endemic red alga <i>Gelidium allanii</i> (Gelidiales) from northern New Zealand [morphology, distribution, agar chemistry. <i>Journal of Applied Phycology</i> , 1994 , 6, 497-507	3.2	25
58	The chemistry of castanospermine, part II: Synthesis of deoxyfluoro analogues of castanospermine. <i>Tetrahedron Letters</i> , 1994 , 35, 3143-3146	2	18
57	The chemistry of castanospermine, part I: synthetic modifications at C-6. <i>Tetrahedron</i> , 1994 , 50, 2131-2160		54
56	Chemical methylation of agaroid hydroxyl-groups. <i>Carbohydrate Research</i> , 1994 , 262, 127-135	2.9	12
55	A ¹³ C solid-state NMR study of ion-exchange resins derived from natural polysaccharides. <i>Carbohydrate Research</i> , 1994 , 262, 185-194	2.9	7

54	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> , 1994 , 256, 185-8	2.9	9
53	Carrageenan from the tetrasporic stage of <i>Gigartina decipiens</i> (Gigartinales, Rhodophyta). <i>Carbohydrate Research</i> , 1994 , 252, 171-82	2.9	15
52	Near-quantitative production of fatty acid alkyl esters by lipase-catalyzed alcoholysis of fats and oils with adsorption of glycerol by silica gel. <i>Enzyme and Microbial Technology</i> , 1994 , 16, 478-484	3.8	56
51	Synthesis of 2-acetamido-1,2,4-trideoxy-1,4-imino-D-galactitol and -D-glucitol for evaluation as glycosidase inhibitors. <i>Tetrahedron</i> , 1994 , 50, 13299-13312	2.4	8
50	A procedure for the analysis of glycosaminoglycan mixtures based on digestion by specific enzymes. <i>Carbohydrate Research</i> , 1994 , 255, 285-93	2.9	16
49	Syntheses of the fungicide/insecticide allosamidin and a structural isomer. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994 , 3411-3421		30
48	The Chemical Structures of Polysaccharides from New Zealand Members of the Rhodomelaceae. <i>Botanica Marina</i> , 1993 , 36,	1.8	26
47	Optimization of alkyl beta-D-galactopyranoside synthesis from lactose using commercially available beta-galactosidases. <i>Biotechnology and Bioengineering</i> , 1993 , 42, 657-66	4.9	74
46	2-Acetamido-1,2-dideoxyojirimycin: an improved synthesis. <i>Tetrahedron</i> , 1993 , 49, 9605-9612	2.4	27
45	Synthesis of 1,5-dideoxy-1,5-imino-d-galactitol from l-sorbose. <i>Tetrahedron Letters</i> , 1993 , 34, 3609-3612	2	25
44	A short practical synthesis of deoxymannojirimycin from d-fructose. <i>Tetrahedron Letters</i> , 1993 , 34, 3613-3616		20
43	Synthesis of 2-acetamido-1,2,4-trideoxy-1,4-imino-d-galactitol, A new hexosaminidase inhibitor. <i>Tetrahedron Letters</i> , 1993 , 34, 3477-3480	2	8
42	The chemical structure of the polysaccharide from <i>Dasyclonium incisum</i> . <i>Hydrobiologia</i> , 1993 , 260-261, 647-651	2.4	9
41	Glycerolysis of tallow with immobilised lipase. <i>Biotechnology Letters</i> , 1993 , 15, 1043-1048	3	31
40	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 et Oliveira and <i>Gracilaria truncata</i> Kraft. <i>Journal of Applied Phycology</i> , 1993 , 5, 85-91	3.2	15
39	The chemical structure of the polysaccharide from <i>Dasyclonium incisum</i> 1993 , 647-651		
38	The products of the zinc chloride-promoted decomposition of cellulose in aqueous phenol at 350°C. <i>Carbohydrate Research</i> , 1992 , 237, 79-86	2.9	6
37	Isotope studies of the transfer of the carbon atoms of carbohydrate derivatives into aromatic compounds (especially xanthene) under degradation conditions. <i>Carbohydrate Research</i> , 1992 , 237, 87-94	2.9	3

36	Observation by solid-state ^{13}C CP MAS NMR spectroscopy of the transformations of wheat starch associated with the making and staling of bread. <i>Carbohydrate Research</i> , 1992 , 235, 15-22	2.9	40
35	Chemical methods for the analysis of sulphated galactans from red algae. <i>Carbohydrate Research</i> , 1991 , 210, 277-98	2.9	364
34	2-Benzyloxy-6,8-Dioxabicyclo[3.2.1]Octanes: New carbohydrate-derived herbicides. <i>Pest Management Science</i> , 1991 , 31, 419-435		8
33	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> , 1990 , 30, 59-66		6
32	The xylogalactan sulfate from <i>Chondria macrocarpa</i> (Ceramiales, Rhodophyta). <i>Hydrobiologia</i> , 1990 , 204-205, 615-620	2.4	46
31	Agaroids from New Zealand members of the Gracilariaceae (Gracilariales, Rhodophyta) I a novel dimethylated agar. <i>Hydrobiologia</i> , 1990 , 204-205, 645-654	2.4	44
30	Agaroids from New Zealand members of the Gracilariaceae (Gracilariales, Rhodophyta) I a novel dimethylated agar 1990 , 645-654		1
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28	Xylan from <i>Leptosarca simplex</i> and Carrageenans from <i>Iridea</i> , <i>Cenacrum</i> and <i>Nemastoma</i> Species from the Subantarctic Islands of New Zealand. <i>Botanica Marina</i> , 1988 , 31,	1.8	24
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22	Water Soluble Polysaccharides from the New Zealand Red Algae in the Family Phylloporaceae. <i>Botanica Marina</i> , 1985 , 28,	1.8	26
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20	The crystal structure of a nonalkenic, cyclic trimer of levoglucosenone. <i>Carbohydrate Research</i> , 1983 , 112, 179-187	2.9	2
19	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. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1983 , 1681		26

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17	Base-catalyzed oligomerization of levoglucosenone. <i>Carbohydrate Research</i> , 1982 , 100, 303-313	2.9	24
16	The crystal structure of an olefinic cyclic trimer of levoglucosenone. <i>Carbohydrate Research</i> , 1982 , 104, 11-19	2.9	3
15	The crystal structure of 1,5-anhydro-4-deoxy-d-glycero-hex-1-en-3-ulose. <i>Carbohydrate Research</i> , 1981 , 90, 319-325	2.9	8
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