

Anthony S Serianni

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	<i>MA²AT</i> Analysis of Aldofuranosyl Rings: Unbiased Modeling of Conformational Equilibria and Dynamics in Solution. <i>Biochemistry</i> , 2022, 61, 239-251.	2.5	6
2	^D -Mannosamine hydrochloride (2-amino-2-deoxy- ^D -mannose hydrochloride): ionic hydrogen bonding in saccharides involving chloride and aminium ions. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2022, 78, 223-230.	0.5	0
3	<i>MA²AT</i> : A Web-Based Application to Determine Rotamer Population Distributions in Solution from Nuclear Magnetic Resonance Spin-Coupling Constants. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 3135-3141.	5.4	9
4	<i>N</i> -Acetyl Side-Chain Conformation in Saccharides: Solution Models Obtained from <i>MA²AT</i> Analysis. <i>Journal of Organic Chemistry</i> , 2022, 87, 8368-8379.	3.2	5
5	Nonconventional NMR Spin-Coupling Constants in Oligosaccharide Conformational Modeling: Structural Dependencies Determined from Density Functional Theory Calculations. <i>ACS Omega</i> , 2022, 7, 23950-23966.	3.5	4
6	Isopropyl 3-deoxy- ^D -ribo-hexopyranoside (isopropyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (3-deoxy- ^D -ribo-hexopyranoside) <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 490-495.	0.5	0
7	Methyl ² -lactoside [methyl ^D -galactopyranosyl-(1 ⁴)- ^D -glucopyranoside] monohydrate: a solvomorphism study. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 668-674.	0.5	0
8	Two-bond ¹³ C- ¹³ C spin-coupling constants in saccharides: dependencies on exocyclic hydroxyl group conformation. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 22912-22922.	2.8	4
9	A convenient synthesis of short-chain ¹ - ² mannosyl oligosaccharides. <i>Carbohydrate Research</i> , 2020, 489, 107897.	2.3	4
10	Reconciling <i>MA²AT</i> and molecular dynamics models of linkage conformation in oligosaccharides. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 14454-14457.	2.8	12
11	Glycosidic linkage, <i>N</i> -acetyl side-chain, and other structural properties of methyl 2-acetamido-2-deoxy- ^D -glucopyranosyl-(1 ⁴)- ^D -mannopyranoside monohydrate and related compounds. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 287-297.	0.5	0
12	¹³ C- ¹³ C spin-coupling constants in crystalline ¹³ C-labeled saccharides: conformational effects interrogated by solid-state ¹³ C NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23576-23588.	2.8	9
13	Use of Circular Statistics To Model ¹ Man-(1 ²)- ¹ Man and ¹ Man-(1 ³)- ¹ Man <i>N</i> -Glycosidic Linkage Conformation in ¹³ C-Labeled Disaccharides and High-Mannose Oligosaccharides. <i>Biochemistry</i> , 2019, 58, 546-560.	2.5	29
14	Synthesis and <i>N</i> -Glycosidic Linkage Conformational Analysis of ¹³ C-Labeled Oligosaccharide Fragments of an Antifreeze Glycolipid. <i>Journal of Organic Chemistry</i> , 2019, 84, 1706-1724.	3.2	15
15	<i>N</i> -Benzoyl side-chain conformations in 2,3,4,6-tetra- <i>N</i> -benzoyl- ^D -galactopyranosyl-(1 ⁴)-1,2,6-tri- <i>N</i> -benzoyl- ^D -glucopyranose (ethyl acetate solvate) and 1,2,4,6-tetra- <i>N</i> -benzoyl- ^D -glucopyranose (acetone) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 547 Td	0.5	0
16	Conformational analysis of the disaccharide methyl ^D -mannopyranosyl-(1 ³)-2- <i>N</i> -acetyl- ^D -mannopyranoside monohydrate. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 610-615.	0.5	1
17	Structural properties of ^D -mannopyranosyl rings containing <i>N</i> -acetyl side-chains. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 1166-1174.	0.5	2
18	Synthesis of high-mannose oligosaccharides containing mannose-6-phosphate residues using regioselective glycosylation. <i>Carbohydrate Research</i> , 2018, 467, 23-32.	2.3	3

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19	¹³ C-Acetyl Side-Chains in Monosaccharides: Redundant NMR Spin-Couplings and Statistical Models for Acetate Ester Conformational Analysis. <i>Journal of Physical Chemistry B</i> , 2017, 121, 66-77.	2.6	25
20	Rapid assembly of branched mannose oligosaccharides through consecutive regioselective glycosylation: A convergent and efficient strategy. <i>Tetrahedron</i> , 2017, 73, 3932-3938.	1.9	4
21	Conformational Populations of ¹³ C- ¹ H- ¹³ C-Glycosidic Linkages Using Redundant NMR ¹³ C- ¹ H-Couplings and Circular Statistics. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3042-3058.	2.6	39
22	¹³ C-Labeled Idohexopyranosyl Rings: Effects of Methyl Glycosidation and C6 Oxidation on Ring Conformational Equilibria. <i>Journal of Organic Chemistry</i> , 2017, 82, 1356-1370.	3.2	16
23	Enzymatic synthesis of ribo- and 2-deoxyribonucleosides from glycofuranosyl phosphates: An approach to facilitate isotopic labeling. <i>Carbohydrate Research</i> , 2017, 449, 125-133.	2.3	4
24	Saccharide Structure and Reactivity Interrogated with Stable Isotopes. <i>ACS Symposium Series</i> , 2017, , 105-153.	0.5	0
25	NMR Spin-Couplings in Saccharides: Relationships Between Structure, Conformation and the Magnitudes of ¹³ C- ¹ H, ¹³ C- ¹ H and ¹³ C- ¹³ C Values. <i>New Developments in NMR</i> , 2017, , 20-100.	0.1	20
26	A chemical synthesis of a multiply ¹³ C-labeled hexasaccharide: a high-mannose N-glycan fragment. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2016, 59, 673-679.	1.0	5
27	Labeling Monosaccharides With Stable Isotopes. <i>Methods in Enzymology</i> , 2015, 565, 423-458.	1.0	14
28	Informing Saccharide Structural NMR Studies with Density Functional Theory Calculations. <i>Methods in Molecular Biology</i> , 2015, 1273, 289-331.	0.9	24
29	Wood frog adaptations to overwintering in Alaska: New limits to freezing tolerance. <i>Journal of Experimental Biology</i> , 2014, 217, 2193-200.	1.7	67
30	Methyl 4-O- ¹³ C- ¹ H- ¹³ C-xylopyranosyl ¹³ C-mannopyranoside, a core disaccharide of an antifreeze glycolipid. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1047-1050.	0.4	5
31	Methyl [¹³ C]Glucopyranosiduronic Acids: Effect of COOH Ionization and Exocyclic Structure on NMR Spin-Couplings. <i>Journal of Organic Chemistry</i> , 2012, 77, 9521-9534.	3.2	9
32	Dependence of Pyranose Ring Puckering on Anomeric Configuration: Methyl Idopyranosides. <i>Journal of Physical Chemistry B</i> , 2012, 116, 6380-6386.	2.6	35
33	Methyl 4-O- ¹³ C- ¹ H- ¹³ C-mannopyranosyl ¹³ C-xylopyranoside. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, o502-o506.	0.4	5
34	Phosphate-Catalyzed Degradation of ¹³ C-Glucosone in Aqueous Solution Is Accompanied by C1-C2 Transposition. <i>Journal of the American Chemical Society</i> , 2012, 134, 11511-11524.	13.7	11
35	Disorder and conformational analysis of methyl ¹³ C-galactopyranosyl-(1 ⁴)- ¹³ C-xylopyranoside. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, o7-o11.	0.4	8
36	Rearrangement of 3-Deoxy- ¹³ C-erythro-hexos-2-ulose in Aqueous Solution: NMR Evidence of Intramolecular 1,2-Hydrogen Transfer. <i>Journal of Organic Chemistry</i> , 2011, 76, 8151-8158.	3.2	9

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37	Methyl 4-O- β -D-galactopyranosyl β -D-mannopyranoside methanol 0.375-solvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, o67-o70.	0.4	11
38	Methyl β -D-galactopyranosyl-(1 \rightarrow 4)- β -D-allopyranoside tetrahydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, o484-o487.	0.4	5
39	Amide <i>Cis</i> \rightarrow <i>Trans</i> Isomerization in Aqueous Solutions of Methyl <i>N</i> -Formyl- <i>D</i> -glucosaminides and Methyl <i>N</i> -Acetyl- <i>D</i> -glucosaminides: Chemical Equilibria and Exchange Kinetics. <i>Journal of the American Chemical Society</i> , 2010, 132, 4641-4652.	13.7	38
40	<i>N</i> -Acetyl Side-Chains in Saccharides: NMR <i>J</i> -Coupling Equations Sensitive to CH \rightarrow NH and NH \rightarrow CO Bond Conformations in 2-Acetamido-2-deoxy-aldohexopyranosyl Rings. <i>Journal of Organic Chemistry</i> , 2010, 75, 4899-4910.	3.2	21
41	A nonprotein thermal hysteresis-producing xylomannan antifreeze in the freeze-tolerant Alaskan beetle <i>Upis ceramboides</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20210-20215.	7.1	96
42	Cryoprotectant Biosynthesis and the Selective Accumulation of Threitol in the Freeze-tolerant Alaskan Beetle, <i>Upis ceramboides</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 16822-16831.	3.4	25
43	An NMR investigation of putative interresidue H-bonding in methyl β -cellobioside in solution. <i>Carbohydrate Research</i> , 2009, 344, 1582-1587.	2.3	25
44	Conformational Analysis of β -Glycosidic Linkages in 13 C-Labeled Glucobiosides Using Inter-residue Scalar Coupling Constants. <i>Journal of Physical Chemistry B</i> , 2008, 112, 4447-4453.	2.6	38
45	Oligosaccharide Trans-Glycoside 3 <i>J</i> _{COCC} Karplus Curves Are Not Equivalent: Effect of Internal Electronegative Substituents. <i>Journal of Organic Chemistry</i> , 2008, 73, 3255-3257.	3.2	23
46	13 C-Labeled <i>N</i> -Acetyl-neuraminic Acid in Aqueous Solution: Detection and Quantification of Acyclic Keto, Keto Hydrate, and Enol Forms by 13 C NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 11892-11900.	13.7	41
47	13 C \rightarrow 1 H and 13 C \rightarrow 13 C NMR <i>J</i> -Couplings in 13 C-Labeled <i>N</i> -Acetyl-neuraminic Acid: Correlations with Molecular Structure. <i>Journal of Organic Chemistry</i> , 2008, 73, 4376-4387.	3.2	26
48	Mycobacterium avium Glycopeptidolipids Require Specific Acetylation and Methylation Patterns for Signaling through Toll-like Receptor 2*. <i>Journal of Biological Chemistry</i> , 2008, 283, 33221-33231.	3.4	27
49	13 C \rightarrow 13 C NMR Spin \rightarrow Spin Coupling Constants in Saccharides: Structural Correlations Involving All Carbons in Aldohexopyranosyl Rings. <i>Journal of Organic Chemistry</i> , 2007, 72, 7511-7522.	3.2	34
50	A Disaccharide Rearrangement Catalyzed by Molybdate Anion in Aqueous Solution. <i>Journal of Organic Chemistry</i> , 2007, 72, 3081-3084.	3.2	6
51	DFT and NMR Studies of 2 JCOH, 3 JHCOH, and 3 JCCOH Spin-Couplings in Saccharides: $\text{C}\rightarrow\text{O}$ Torsional Bias and H-Bonding in Aqueous Solution. <i>Journal of Organic Chemistry</i> , 2007, 72, 7071-7082.	3.2	68
52	Pyridoxamine (PM) protects proteins from functional damage by β -deoxyglucosone (3DG). <i>FASEB Journal</i> , 2007, 21, A294.	0.5	0
53	[13 C, 15 N]2-Acetamido-2-deoxy- <i>D</i> -aldohexoses and Their Methyl Glycosides: Synthesis and NMR Investigations of <i>J</i> -Couplings Involving ^1H , ^{13}C , and ^{15}N . <i>Journal of Organic Chemistry</i> , 2006, 71, 466-479.	3.2	22
54	Methyl 4-O- β -D-galactopyranosyl β -D-glucopyranoside (methyl β -lactoside). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, o674-o677.	0.4	14

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55	Geminal $^2J_{CCH}$ Spin-Spin Coupling Constants as Probes of the β Glycosidic Torsion Angle in Oligosaccharides. <i>Journal of the American Chemical Society</i> , 2005, 127, 9781-9793.	13.7	36
56	Correlated $C-C$ and $C-O$ Bond Conformations in Saccharide Hydroxymethyl Groups: Parametrization and Application of Redundant $^1H-^1H$, $^{13}C-^1H$, and $^{13}C-^{13}C$ NMRJ-Couplings. <i>Journal of the American Chemical Society</i> , 2004, 126, 15668-15685.	13.7	124
57	Hydroxymethyl Group Conformation in Saccharides: Structural Dependencies of $^2J_{HH}$, $^3J_{HH}$, and $^1J_{CH}$ Spin-Spin Coupling Constants. <i>Journal of Organic Chemistry</i> , 2002, 67, 949-958.	3.2	185
58	1-Deoxy-d-xylulose: Synthesis Based on Molybdate-Catalyzed Rearrangement of a Branched-Chain Aldotetrose. <i>Organic Letters</i> , 2001, 3, 3819-3822.	4.6	21
59	Acyclic Forms of $[1-^{13}C]$ Aldohexoses in Aqueous Solution: Quantitation by ^{13}C NMR and Deuterium Isotope Effects on Tautomeric Equilibria. <i>Journal of Organic Chemistry</i> , 2001, 66, 6244-6251.	3.2	143
60	$^2J_{CO}$ Spin-Spin Coupling Constants Across Glycosidic Linkages Exhibit a Valence Bond-Angle Dependence. <i>Journal of the American Chemical Society</i> , 2000, 122, 396-397.	13.7	34
61	2-Deoxy- β -d-ribofuranosylamine: Quantum Mechanical Calculations of Molecular Structure and NMR Spin-Spin Coupling Constants in Nitrogen-Containing Saccharides. <i>Journal of the American Chemical Society</i> , 2000, 122, 6435-6448.	13.7	44
62	Stereospecific molybdic acid-catalyzed isomerization of 2-hexuloses to branched-chain aldoses. <i>Carbohydrate Research</i> , 1999, 319, 38-46.	2.3	30
63	$^{13}C-^1H$ and $^{13}C-^{13}C$ Spin Coupling Behavior in Aldofuranosyl Rings from Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 1999, 103, 3783-3795.	2.5	63
64	Density Functional Calculations on Disaccharide Mimics: Studies of Molecular Geometries and Trans-O-glycosidic $^3J_{COCH}$ and $^3J_{COCC}$ Spin-Couplings. <i>Journal of the American Chemical Society</i> , 1999, 121, 9843-9851.	13.7	90
65	Two-bond $^{13}C-^{13}C$ spin-coupling constants in carbohydrates: New measurements of coupling signs. <i>Carbohydrate Research</i> , 1998, 309, 145-152.	2.3	23
66	Three-Bond $C-O-C$ Spin-Coupling Constants in Carbohydrates: Development of a Karplus Relationship. <i>Journal of the American Chemical Society</i> , 1998, 120, 11158-11173.	13.7	132
67	$^{13}C-^1H$ and $^{13}C-^{13}C$ Spin-Coupling Constants in Methyl β -d-Ribofuranoside and Methyl 2-Deoxy- β -d-erythro-pentofuranoside: Correlations with Molecular Structure and Conformation. <i>Journal of the American Chemical Society</i> , 1997, 119, 8946-8964.	13.7	81
68	$^{13}C-^1H$ and $^{13}C-^{13}C$ Spin Couplings in $[2-^{13}C]$ -Deoxyribonucleosides: Correlations with Molecular Structure. <i>Journal of the American Chemical Society</i> , 1997, 119, 1737-1744.	13.7	44
69	$^{13}C-^1H$ Spin-Coupling Constants in the β -d-Ribofuranosyl Ring: Effect of Ring Conformation on Coupling Magnitudes. <i>Journal of the American Chemical Society</i> , 1996, 118, 1413-1425.	13.7	79
70	Two-bond $^{13}C-^{13}C$ spin-coupling constants in carbohydrates: effect of structure on coupling magnitude and sign. <i>Carbohydrate Research</i> , 1996, 280, 177-186.	2.3	54
71	l-(1- ^{13}C)- and (2- ^{13}C) ascorbic acid: synthesis and NMR characterization. <i>Carbohydrate Research</i> , 1996, 284, 135-143.	2.3	9
72	Verification of the Projection Resultant Method for Two-Bond $^{13}C-^{13}C$ Coupling Sign Determinations in Carbohydrates. <i>Journal of Magnetic Resonance Series B</i> , 1996, 112, 69-74.	1.6	31

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73	[13C]Enriched Methyl Aldopyranosides: Structural Interpretations of 13C-1H Spin-Coupling Constants and 1H Chemical Shifts. <i>Journal of the American Chemical Society</i> , 1995, 117, 8635-8644.	13.7	149
74	One-bond 13C-1H spin-coupling constants in aldofuranosyl rings: effect of conformation on coupling magnitude. <i>Journal of the American Chemical Society</i> , 1995, 117, 8645-8650.	13.7	76
75	13C-Labeled D-Ribose: Chemi-Enzymic Synthesis of Various Isotopomers. <i>Journal of Biomolecular Structure and Dynamics</i> , 1994, 11, 1133-1148.	3.5	30
76	13C-labeled oligodeoxyribonucleotides: A solution study of a CCAAT-containing sequence at the nuclear factor I recognition site of human adenovirus. <i>Biopolymers</i> , 1994, 34, 1175-1186.	2.4	7
77	Torsional effects on the one-bond 13C-13C spin coupling constant in ethylene glycol: insights into the behavior of 1JCC in carbohydrates. <i>Journal of the American Chemical Society</i> , 1993, 115, 10863-10870.	13.7	71
78	(1'-13C)-2'-deoxyribonucleosides: structural and conformational insights derived from carbon-13-proton spin coupling constants involving C1'. <i>Journal of Organic Chemistry</i> , 1993, 58, 5513-5517.	3.2	21
79	Carbon-13-carbon-13 spin coupling constants in aldoses enriched with 13C at the terminal hydroxymethyl carbon: effect of coupling pathway structure of JCC in carbohydrates.. <i>Journal of the American Chemical Society</i> , 1992, 114, 3499-3505.	13.7	40
80	Multiply 13C-substituted monosaccharides: synthesis of d-(1,5,6-13C3)glucose and d-(2,5,6-13C3)glucose. <i>Carbohydrate Research</i> , 1992, 226, 261-269.	2.3	7
81	Synthesis of d-erythro-2-pentulose and d-threo-2-pentulose and analysis of the 13C- and 1H-n.m.r. spectra of the 1-13C- and 2-13C-substituted sugars. <i>Carbohydrate Research</i> , 1991, 209, 13-31.	2.3	41
82	d-Penturonic acids: solution studies of stable-isotopically enriched compounds by 1H- and 13C-n.m.r. spectroscopy. <i>Carbohydrate Research</i> , 1991, 210, 51-70.	2.3	30
83	13C-Substituted pentos-2-uloses: synthesis and analysis by 1H- and 13C-n.m.r. spectroscopy. <i>Carbohydrate Research</i> , 1990, 207, 185-210.	2.3	39
84	Microcomputer-automated reactor for synthesis of 13C-labeled Monosaccharides. <i>AIChE Journal</i> , 1990, 36, 1822-1828.	3.6	3
85	Chiral hydroxymethyl groups: 1H NMR assignments of the prochiral C-5 protons of 2-deoxyribonucleosides. <i>Magnetic Resonance in Chemistry</i> , 1990, 28, 324-330.	1.9	18
86	Stable Isotopically-Enriched D-Glucose: Strategies to Introduce Carbon, Hydrogen and Oxygen Isotopes at Various Sites. <i>Journal of Carbohydrate Chemistry</i> , 1990, 9, 513-541.	1.1	39
87	On the use of model compounds to assess 2-deoxy-D-erythro-pentofuranose conformation at apyrimidinic sites in DNA. <i>Journal of the American Chemical Society</i> , 1990, 112, 5886-5887.	13.7	8
88	Ab Initio Molecular Orbital Calculations on Carbohydrates. <i>ACS Symposium Series</i> , 1990, , 91-119.	0.5	8
89	13C-Enriched ribonucleosides: synthesis and application of 13C-1H and 13C-13C spin-coupling constants to assess furanose and N-glycoside bond conformations. <i>Journal of the American Chemical Society</i> , 1990, 112, 7373-7381.	13.7	67
90	D-Talose anomerization: NMR methods to evaluate the reaction kinetics. <i>Journal of the American Chemical Society</i> , 1989, 111, 2681-2687.	13.7	50

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91	Stable, isotopically substituted carbohydrates: An improved synthesis of (6- ¹³ C)aldohexoses. Carbohydrate Research, 1988, 175, 49-58.	2.3	20
92	Carbon-13 NMR studies of [1- ¹³ C]aldoses: empirical rules correlating pyranose ring configuration and conformation with carbon-13 chemical shifts and carbon-13/carbon-13 spin couplings. Journal of the American Chemical Society, 1987, 109, 3501-3508.	13.7	115
93	[1- ¹³ C]Aldono-1,4-lactones: conformational studies based on proton-proton, proton-carbon-13, and carbon-13-carbon-13 spin couplings and ab initio molecular orbital calculations. Journal of the American Chemical Society, 1987, 109, 4464-4472.	13.7	32
94	dl -apiose substituted with stable isotopes: Synthesis, N.M.R.-spectral analysis, and furanose anomerization. Carbohydrate Research, 1987, 166, 85-99.	2.3	60
95	Synthesis and n.m.r.-spectral analysis of unenriched and [1- ¹³ C]-enriched 5-deoxypentoses and 5-O-methylpentoses. Carbohydrate Research, 1987, 163, 169-188.	2.3	49
96	D-Idose: a one- and two-dimensional NMR investigation of solution composition and conformation. Journal of Organic Chemistry, 1986, 51, 2694-2702.	3.2	93
97	Stereoselective deuterium exchange of methylene protons in methyl tetraofuranosides: hydroxymethyl group conformations in methyl pentofuranosides. Journal of Organic Chemistry, 1983, 48, 1750-1757.	3.2	87
98	Epimerization of aldoses by molybdate involving a novel rearrangement of the carbon skeleton. Journal of the American Chemical Society, 1982, 104, 6764-6769.	13.7	154
99	Methyl β ² -lactoside: 600-MHz ¹ H- and 75-MHz ¹³ C-n.m.r. studies of ² H- and ¹³ C-enriched compounds. Carbohydrate Research, 1982, 100, 87-101.	2.3	84
100	Cyanohydrin synthesis: studies with carbon-13-labeled cyanide. Journal of Organic Chemistry, 1980, 45, 3329-3341.	3.2	54
101	Carbon-13-enriched carbohydrates. Preparation of aldonitriles and their reduction with a palladium catalyst. Carbohydrate Research, 1979, 72, 71-78.	2.3	77
102	Carbon-13-enriched carbohydrates. Preparation of erythrose, threose, glyceraldehyde, and glycolaldehyde with ¹³ C-enrichment in various carbon atoms. Carbohydrate Research, 1979, 72, 79-91.	2.3	77
103	Carbon-13-enriched carbohydrates: preparation of triose, tetrose, and pentose phosphates. Biochemistry, 1979, 18, 1192-1199.	2.5	66