Christopher Jones

List of Publications by Year
in descending order

88 papers	3,270 citations	159585 30 h-index	161849 54 g-index
90 all docs	90 docs citations	90 times ranked	3271 citing authors

#	Article	IF	Citations
1	Pneumococcal Capsules and Their Types: Past, Present, and Future. Clinical Microbiology Reviews, 2015, 28, 871-899.	13.6	557
2	Vaccines based on the cell surface carbohydrates of pathogenic bacteria. Anais Da Academia Brasileira De Ciencias, 2005, 77, 293-324.	0.8	160
3	Structural Characterization of the Major Glycosylphosphatidylinositol Membrane-anchored Glycoprotein from Epimastigote Forms of Trypanosoma cruzi Y-strain. Journal of Biological Chemistry, 1995, 270, 7241-7250.	3.4	141
4	Proteomic analysis of a meningococcal outer membrane vesicle vaccine prepared from the group B strain NZ98/254. Proteomics, 2006, 6, 3400-3413.	2.2	102
5	Full 1H NMR assignment and detailed O-acetylation patterns of capsular polysaccharides from Neisseria meningitidis used in vaccine production. Carbohydrate Research, 1996, 296, 83-96.	2.3	100
6	The effect of variation of substitution on the solution conformation of heparin: a spectroscopic and molecular modelling study. Carbohydrate Research, 1994, 255, 1-26.	2.3	88
7	Revised structures for the capsular polysaccharides from Staphylococcus aureus Types 5 and 8, components of novel glycoconjugate vaccines. Carbohydrate Research, 2005, 340, 1097-1106.	2.3	84
8	Immunogenicity in a Mouse Model of a Conjugate Vaccine Made with a Synthetic Single Repeating Unit of Type 14 Pneumococcal Polysaccharide Coupled to CRM197. Infection and Immunity, 2002, 70, 5107-5114.	2.2	82
9	Biosynthesis ofO -N -Acetylglucosamine-linked Glycans inTrypanosoma cruzi. Journal of Biological Chemistry, 1998, 273, 14982-14988.	3.4	72
10	Use and validation of NMR assays for the identity and O-acetyl content of capsular polysaccharides from Neisseria meningitidis used in vaccine manufacture. Journal of Pharmaceutical and Biomedical Analysis, 2002, 30, 1233-1247.	2.8	69
11	Structural variation in the glycoinositolphospholipids of different strains ofTrypanosoma cruzi. Glycoconjugate Journal, 1996, 13, 955-966.	2.7	68
12	Glycoinositolphospholipid from Trypanosoma cruzi: Structure, Biosynthesis and Immunobiology. Advances in Parasitology, 2003, 56, 1-41.	3.2	66
13	Physicochemical and immunological studies on the stability of free and microsphere-encapsulated tetanus toxoid in vitro. Vaccine, 1996, 14, 1205-1213.	3.8	64
14	Gum heteropolysaccharide and free reducing mono- and oligosaccharides of Anadenanthera colubrina. Phytochemistry, 1998, 47, 1207-1214.	2.9	64
15	Similarity of monosaccharide, oligosaccharide and polysaccharide structures in gum exudate of Anacardium occidentale. Phytochemistry, 1998, 47, 715-721.	2.9	57
16	Heterogeneity in the Biosynthesis of MucinO-Glycans fromTrypanosoma cruziTulahuen Strain with the Expression of Novel Galactofuranosyl-Containing Oligosaccharidesâ€. Biochemistry, 2004, 43, 11889-11897.	2.5	52
17	NMR assays for carbohydrate-based vaccines. Journal of Pharmaceutical and Biomedical Analysis, 2005, 38, 840-850.	2.8	52
18	N.m.r. and conformational analysis of the capsular polysaccharide from Streptococcus pneumoniae type 4. Carbohydrate Research, 1991, 221, 95-121.	2.3	44

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19	Structure of O-glycosidically linked oligosaccharides from glycoproteins of Trypanosoma cruzi CL-Brener strain: evidence for the presence of O-linked sialyl-oligosaccharides. Glycobiology, 2001, 11, 47-55.	2.5	43
20	Molecular analysis of a novel family of complex glycoinositolphosphoryl ceramides from Cryptococcus neoformans: structural differences between encapsulated and acapsular yeast forms. Glycobiology, 2002, 12, 409-420.	2.5	43
21	Characterisation of the Protein Content of a Meningococcal Outer Membrane Vesicle Vaccine by Polyacrylamide Gel Electrophoresis and Mass Spectrometry. Hum Vaccin, 2005, 1, 80-84.	2.4	39
22	Identification and quantification of N-linked oligosaccharides released from glycoproteins: An inter-laboratory study. Glycobiology, 2008, 19, 201-211.	2.5	38
23	A novel sialylated and galactofuranose-containing O-linked glycan, Neu5AcÎ±2â†'3GalpÎ²1â†'6(GalfÎ²1â†'4)GlcNAc, is expressed on the sialoglycoprotein of Trypanosoma cruzi Dm28c. Molecular and Biochemical Parasitology, 2003, 126, 93-96.	1.1	36
24	An NMR Spectroscopic Identity Test for the Control of the Capsular Polysaccharide from Haemophilus influenzae Type b. Biologicals, 2000, 28, 175-183.	1.4	35
25	Full NMR assignment and revised structure for the capsular polysaccharide from Streptococcus pneumoniae type 15B. Carbohydrate Research, 2005, 340, 403-409.	2.3	35
26	Structural elucidation of the repeat unit in highly branched acidic exopolysaccharides produced by nitrogen fixing Burkholderia. Glycobiology, 2010, 20, 338-347.	2.5	34
27	Streptococcus pneumoniae Serotype 11D Has a Bispecific Glycosyltransferase and Expresses Two Different Capsular Polysaccharide Repeating Units. Journal of Biological Chemistry, 2013, 288, 21945-21954.	3.4	34
28	Use and Validation of an NMR Test for the Identity and O -acetyl content of the Salmonella typhi Vi Capsular Polysaccharide Vaccine. Biologicals, 2000, 28, 17-24.	1.4	31
29	Characterization of novel structures of mannosylinositolphosphorylceramides from the yeast forms ofSporothrix schenckii. FEBS Journal, 2001, 268, 4243-4250.	0.2	31
30	Addition of Î±-O-GlcNAc to threonine residues define the post-translational modification of mucin-like molecules in Trypanosoma cruzi. Glycoconjugate Journal, 2013, 30, 659-666.	2.7	31
31	Comparison of the Diphtheria Mutant Toxin, Crm197, with a Haemophilus Influenzae Type-b Polysaccharide-Crm197 Conjugate by Optical Spectroscopy. FEBS Journal, 1997, 246, 320-327.	0.2	30
32	Structure of an acidic exopolysaccharide produced by the diazotrophic endophytic bacteriumBurkholderia brasiliensis. FEBS Journal, 2001, 268, 3174-3179.	0.2	30
33	Biosynthesis of vitamin B12: isolation of 15,23-dihydrosirohydrochlorin, a biosynthetic intermediate: structural studies and incorporation experiments. Journal of the Chemical Society Chemical Communications, 1982, , 455.	2.0	29
34	Location and quantitation of the sites of O-acetylation on the capsular polysaccharide from Streptococcus pneumoniae type 9V by 1H-n.m.r. spectroscopy: comparison with type 9A. Carbohydrate Research, 1991, 218, 175-184.	2.3	29
35	Characterization of the key antigenic components and pre-clinical immune responses to a meningococcal disease vaccine based onNeisseria lactamicaouter membrane vesicles. Hum Vaccin, 2008, 4, 23-30.	2.4	29
36	Structural characterization of a novel class of glycophosphosphingolipids from the protozoan Leptomonas samueli. Journal of Biological Chemistry, 1992, 267, 24279-86.	3.4	29

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37	Physicochemical and biological assays for quality control of biopharmaceuticals: Interferon alfa-2 case study. Biologicals, 2008, 36, 383-392.	1.4	28
38	Characterization of size, structure and purity of serogroup X Neisseria meningitidis polysaccharide, and development of an assay for quantification of human antibodies. Vaccine, 2012, 30, 5812-5823.	3.8	28
39	NOEMOL: integrated molecular graphics and the simulation of Nuclear Overhauser effects in NMK spectroscopy. Journal of Molecular Graphics, 1989, 7, 196-201.	1.1	27
40	Detection of residual pertussis toxin in vaccines using a modified ribosylation assay. Vaccine, 2002, 21, 44-52.	3.8	27
41	Structure of the sialic acid-containing O-specific polysaccharide from Salmonella enterica serovar Toucra O48 lipopolysaccharide. FEBS Journal, 2000, 267, 3160-3167.	0.2	26
42	Structural analysis of the Lactobacillus rhamnosus strain KL37C exopolysaccharide. Carbohydrate Research, 2003, 338, 605-609.	2.3	26
43	Chemical characterisation of glycosylinositolphospholipids of Herpetomonas samuelpessoai. Molecular and Biochemical Parasitology, 1995, 69, 81-92.	1.1	25
44	Mechanism and stereochemistry of the porphobilinogen deaminase and protoporphyrinogen IX oxidase reactions: stereospecific manipulation of hydrogen atoms at the four methylene bridges during the biosynthesis of haem.. Journal of the Chemical Society Perkin Transactions 1, 1984, , 2625.	0.9	24
45	Structure of the capsular polysaccharide from Streptococcus pneumoniae type 9. Journal of the Chemical Society Perkin Transactions 1, 1985, , 1665.	0.9	24
46	Nitrogen-fixing bacterium Burkholderia brasiliensis produces a novel yersiniose A-containing O-polysaccharide. Glycobiology, 2004, 15, 313-321.	2.5	24
47	Leishmania adleri, a lizard parasite, expresses structurally similar glycoinositolphospholipids to mammalian Leishmania. Glycobiology, 1997, 7, 687-695.	2.5	23
48	Structural and immunological characterization of E. coli derived recombinant CRM197 protein used as carrier in conjugate vaccines. Bioscience Reports, 2018, 38, .	2.4	23
49	Quality control and analytical techniques for biopharmaceuticals. Bioanalysis, 2011, 3, 81-95.	1.5	22
50	The pneumococcal polysaccharide S4: A structural re-assessment. Carbohydrate Research, 1988, 184, 279-284.	2.3	21
51	Full assignment of the NMR spectrum of the capsular polysaccharide from Streptococcus pneumoniae serotype 10A. Carbohydrate Research, 1995, 269, 175-181.	2.3	21
52	Full assignment of the 1H and 13C spectra and revision of the O-acetylation site of the capsular polysaccharide of Streptococcus pneumoniae Type 33F, a component of the current pneumococcal polysaccharide vaccine. Carbohydrate Research, 2006, 341, 68-74.	2.3	21
53	Full assignment of the proton and carbon NMR spectra and revised structure for the capsular polysaccharide from Streptococcus pneumoniae Type 17F. Carbohydrate Research, 2000, 325, 192-201.	2.3	20
54	A novel method for the determination of the stereochemistry of pyruvate acetal substituents applied to the capsular polysaccharide from Streptococcus pneumoniae Type 4. Carbohydrate Research, 1990, 198, 353-357.	2.3	19

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55	Glycoinositol phospholipids from Endotrypanum species express epitopes in common with saccharide side chains of the lipophosphoglycan from Leishmania major. Biochemical Journal, 1998, 329, 665-673.	3.7	17
56	Î±-N-acetylglucosamine-linked O-glycans of sialoglycoproteins (Tc-mucins) from Trypanosoma cruzi Colombiana strain. Memorias Do Instituto Oswaldo Cruz, 2009, 104, 270-274.	1.6	17
57	Proteomic analysis of rat plasma following transient focal cerebral ischemia. Biomarkers in Medicine, 2011, 5, 837-846.	1.4	17
58	International comparability in spectroscopic measurements of protein structure by circular dichroism: CCQM-P59.1. Metrologia, 2010, 47, 631-641.	1.2	15
59	Control and lot release of meningococcal group C conjugate vaccines. Expert Review of Vaccines, 2004, 3, 533-540.	4.4	14
60	A novel method for purification of Vi capsular polysaccharide produced by Salmonella enterica subspecies enterica serovar Typhi. Vaccine, 2013, 31, 4714-4719.	3.8	14
61	Purification of O-specific polysaccharide from lipopolysaccharide produced by Salmonella enterica serovar Paratyphi A. Vaccine, 2014, 32, 2457-2462.	3.8	14
62	Structural analysis of novel rhamnose-branched oligosaccharides from the glycophosphosphingolipids ofLeptomonas samueli. Glycoconjugate Journal, 1994, 11, 23-33.	2.7	12
63	Molecular recognition of antigenic polysaccharides: a conformational comparison of capsules from Streptococcus pneumonicÃ¦ serogroup 9. Carbohydrate Research, 1994, 265, 97-111.	2.3	12
64	Physico-chemical Analysis of Bordetella pertussis Antigens. Biologicals, 1999, 27, 155-162.	1.4	12
65	Bioanalysis of meningococcal vaccines. Bioanalysis, 2010, 2, 343-361.	1.5	12
66	NMR assignment and conformational analysis of the antigenic capsular polysaccharide from Streptococcus pneumoniae type 9N in aqueous solution. Carbohydrate Research, 1994, 265, 79-96.	2.3	11
67	Working Group on quality, safety and efficacy of typhoid Vi capsular polysaccharide conjugate, vaccines, Jeju, Republic of Korea, 5â€“7 September 2012. Vaccine, 2013, 31, 4466-4469.	3.8	11
68	Synthesis of phosphorylated fragments of Streptococcus pneumoniae type 19F capsular polysaccharide. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 2174-2181.	1.3	10
69	Proteomics analysis of cellular components in lentiviral vector production using Gel-LC-MS/MS. Proteomics - Clinical Applications, 2007, 1, 224-230.	1.6	10
70	Structure of the repeating oligosaccharide from the lipopolysaccharide of the nitrogen-fixing bacterium Acetobacter diazotrophicus strain PAL 5. Carbohydrate Research, 1997, 298, 311-318.	2.3	7
71	NMR assignments for glucosylated and galactosylated N-acetylhexosaminitols: oligosaccharide alditols related to O-linked glycans from the protozoan parasite Trypanosoma cruzi. Carbohydrate Research, 2000, 328, 321-330.	2.3	7
72	Confirmation of the d configuration of the 2-substituted arabinitol 1-phosphate residue in the capsular polysaccharide from Streptococcus pneumoniae Type 17F. Carbohydrate Research, 2002, 337, 2353-2358.	2.3	7

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73	Detection of O-acetylated Vi polysaccharide of Salmonella enterica subspecies typhi by Enzyme Immunoassay. Biologicals, 2004, 32, 11-16.	1.4	7
74	Spectroscopic characterisation of a series of Salmonella Typhi Vi-diphtheria toxoid glycoconjugate antigens differing in polysaccharide-protein ratio. Journal of Pharmaceutical and Biomedical Analysis, 2020, 181, 113100.	2.8	7
75	Stereospecificity of hydrogen removal from the four methylene bridges in haem biosynthesis: specific incorporation of the 11 pro-S hydrogen of porphobilinogen into haem. Journal of the Chemical Society Chemical Communications, 1979, , 96.	2.0	6
76	Structure determination of phosphoinositol oligosaccharides from parasitic protozoa using fast atom bombardment mass spectrometry. Organic Mass Spectrometry, 1994, 29, 767-781.	1.3	6
77	Monoclonal antibodies with specificities forStreptococcus pneumoniaegroup 9 capsular polysaccharides. FEMS Immunology and Medical Microbiology, 1998, 20, 249-255.	2.7	6
78	International comparability in spectroscopic measurements of protein structure by circular dichroism: CCQM-P59. Metrologia, 2010, 47, 08022-08022.	1.2	6
79	Wavelength Calibration Uncertainty in Protein Circular Dichroism Data Bank Spectra. Applied Spectroscopy, 2021, 75, 1207-1211.	2.2	6
80	Impact of Imperfect Data on the Performance of Algorithms to Compare Near-Ultraviolet Circular Dichroism Spectra. Applied Spectroscopy, 2021, 75, 000370282199237.	2.2	6
81	The structure of a complex glycosylphosphatidyl inositol-anchored glucoxylan from the kinetoplastid protozoan Leptomonas samueli. FEBS Journal, 2000, 267, 5387-5396.	0.2	5
82	Glycoconjugate Vaccines: The Regulatory Framework. Methods in Molecular Biology, 2015, 1331, 229-251.	0.9	5
83	Glycoconjugate vaccine batch consistency assessed by objective comparison of circular dichroism spectra. Journal of Pharmaceutical and Biomedical Analysis, 2020, 191, 113571.	2.8	5
84	The Application of Nuclear Magnetic Resonance to Structural Studies of Polysaccharides. , 1993, 17, 149-168.		4
85	Circular dichroism of biopharmaceutical proteins in a quality-regulated environment. Journal of Pharmaceutical and Biomedical Analysis, 2022, 219, 114945.	2.8	4
86	Applications of Nuclear Magnetic Resonance, Circular Dichroism and Fluorescence Spectroscopy to the Characterization of Biological Products. Biologicals, 1993, 21, 119-124.	1.4	2
87	The Regulatory Framework for Glycoconjugate Vaccines. ACS Symposium Series, 2008, , 21-35.	0.5	2
88	Chemistry Manufacturing, Control, and Licensure for Carbohydrate-Based Vaccines. ACS Symposium Series, 2018, , 273-321.	0.5	0