

Christina De Castro

List of Publications by Year in descending order

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145
papers

4,808
citations

109321

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152
docs citations

152
times ranked

5870
citing authors

#	ARTICLE	IF	CITATIONS
1	A Journey from Structure to Function of Bacterial Lipopolysaccharides. <i>Chemical Reviews</i> , 2022, 122, 15767-15821.	47.7	82
2	Lipopolysaccharide lipid A: A promising molecule for new immunity-based therapies and antibiotics. , 2022, 230, 107970.		20
3	Liquid-state NMR spectroscopy for complex carbohydrate structural analysis: A hitchhiker's guide. <i>Carbohydrate Polymers</i> , 2022, 277, 118885.	10.2	49
4	Structure and Conformation Study of the O-Antigen from the Lipopolysaccharide of <i>Cupriavidus Metallidurans</i> CH34. <i>Polysaccharides</i> , 2022, 3, 188-199.	4.8	0
5	Giant viruses of the <i>Megavirinae</i> subfamily possess biosynthetic pathways to produce rare bacterial-like sugars in a clade-specific manner. <i>MicroLife</i> , 2022, 3, .	2.1	7
6	<i>N</i> -glycans from <i>Paramecium bursaria</i> chloroella virus MA-1D: Re-evaluation of the oligosaccharide common core structure. <i>Glycobiology</i> , 2022, 32, 260-273.	2.5	2
7	Peptidoglycan from <i>Akkermansia muciniphila</i> MucT: chemical structure and immunostimulatory properties of muropeptides. <i>Glycobiology</i> , 2022, 32, 712-719.	2.5	2
8	The Astounding World of Glycans from Giant Viruses. <i>Chemical Reviews</i> , 2022, 122, 15717-15766.	47.7	6
9	Structure of the O-Antigen and the Lipid A from the Lipopolysaccharide of <i>Fusobacterium nucleatum</i> ATCC 51191. <i>ChemBioChem</i> , 2021, 22, 1252-1260.	2.6	7
10	Chlorovirus PBCV-1 Multidomain Protein A111/114R Has Three Glycosyltransferase Functions Involved in the Synthesis of Atypical N-Glycans. <i>Viruses</i> , 2021, 13, 87.	3.3	7
11	Aberrant sialylation in a patient with a HNF1 α variant and liver adenomatosis. <i>IScience</i> , 2021, 24, 102323.	4.1	4
12	Structural characterisation of the oligosaccharide from <i>Moraxella bovoculi</i> type strain 237 (ATCC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.3	3
13	Structural specificities of cell surface β -glucan polysaccharides determine commensal yeast mediated immuno-modulatory activities. <i>Nature Communications</i> , 2021, 12, 3611.	12.8	34
14	Expanding the Occurrence of Polysaccharides to the Viral World: The Case of Mimivirus. <i>Angewandte Chemie</i> , 2021, 133, 20050-20057.	2.0	2
15	Expanding the Occurrence of Polysaccharides to the Viral World: The Case of Mimivirus. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19897-19904.	13.8	11
16	Siglec-7 Mediates Immunomodulation by Colorectal Cancer-Associated <i>Fusobacterium nucleatum</i> ssp. <i>animalis</i> . <i>Frontiers in Immunology</i> , 2021, 12, 744184.	4.8	10
17	Carbohydrate-based adjuvants. <i>Drug Discovery Today: Technologies</i> , 2020, 35-36, 57-68.	4.0	24
18	Selection of Exopolysaccharide-Producing <i>Lactobacillus Plantarum</i> (<i>Lactiplantibacillus Plantarum</i>) Isolated from Algerian Fermented Foods for the Manufacture of Skim-Milk Fermented Products. <i>Microorganisms</i> , 2020, 8, 1101.	3.6	18

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19	Biopolymer Skeleton Produced by <i>Rhizobium radiobacter</i> : Stoichiometric Alternation of Glycosidic and Amidic Bonds in the Lipopolysaccharide O-antigen. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6368-6374.	13.8	6
20	Biopolymer Skeleton Produced by <i>Rhizobium radiobacter</i> : Stoichiometric Alternation of Glycosidic and Amidic Bonds in the Lipopolysaccharide O-antigen. <i>Angewandte Chemie</i> , 2020, 132, 6430-6436.	2.0	3
21	Structural features and immunological perception of the cell surface glycans of <i>Lactobacillus plantarum</i> : a novel rhamnose-rich polysaccharide and teichoic acids. <i>Carbohydrate Polymers</i> , 2020, 233, 115857.	10.2	25
22	Chlorovirus PBCV-1 protein A064R has three of the transferase activities necessary to synthesize its capsid protein N-linked glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28735-28742.	7.1	12
23	A general protein O-glycosylation machinery conserved in Burkholderia species improves bacterial fitness and elicits glycan immunogenicity in humans. <i>Journal of Biological Chemistry</i> , 2019, 294, 13248-13268.	3.4	27
24	<i>Bifidobacterium bifidum</i> presents on the cell surface a complex mixture of glucans and galactans with different immunological properties. <i>Carbohydrate Polymers</i> , 2019, 218, 269-278.	10.2	35
25	The N-glycan structures of the antigenic variants of chlorovirus PBCV-1 major capsid protein help to identify the virus-encoded glycosyltransferases. <i>Journal of Biological Chemistry</i> , 2019, 294, 5688-5699.	3.4	15
26	Lipopolysaccharide structures of Gram-negative populations in the gut microbiota and effects on host interactions. <i>FEMS Microbiology Reviews</i> , 2019, 43, 257-272.	8.6	102
27	Structure of the chlorovirus PBCV-1 major capsid glycoprotein determined by combining crystallographic and carbohydrate molecular modeling approaches. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E44-E52.	7.1	29
28	Mutation and Suppressor Analysis of the Essential Lipopolysaccharide Transport Protein LptA Reveals Strategies To Overcome Severe Outer Membrane Permeability Defects in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	36
29	Methicillin-resistant <i>Staphylococcus aureus</i> alters cell wall glycosylation to evade immunity. <i>Nature</i> , 2018, 563, 705-709.	27.8	137
30	Biophysical Approaches to Solve the Structures of the Complex Glycan Shield of Chloroviruses. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1104, 237-257.	1.6	2
31	Cell surface polysaccharides of <i>Bifidobacterium bifidum</i> induce the generation of Foxp3 ⁺ regulatory T cells. <i>Science Immunology</i> , 2018, 3, .	11.9	145
32	The rare sugar N-acetylated viosamine is a major component of Mimivirus fibers. <i>Journal of Biological Chemistry</i> , 2017, 292, 7385-7394.	3.4	16
33	Structure of the N-glycans from the chlorovirus NE-JV-1. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 1391-1399.	1.7	14
34	Lipopolysaccharide from Crypt-Specific Core Microbiota Modulates the Colonic Epithelial Proliferation-to-Differentiation Balance. <i>MBio</i> , 2017, 8, .	4.1	81
35	<i>Acinetobacter baumannii</i> K13 and K73 capsular polysaccharides differ only in K-unit side branches of novel non-2-ulosonic acids: di-N-acetylated forms of either acinetaminic acid or 8-epiacinetaminic acid. <i>Carbohydrate Research</i> , 2017, 452, 149-155.	2.3	47
36	5,7-Di-N-acetyl-8-epiacinetaminic acid: A new non-2-ulosonic acid found in the K73 capsule produced by an <i>Acinetobacter baumannii</i> isolate from Singapore. <i>Scientific Reports</i> , 2017, 7, 11357.	3.3	30

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37	Chemical and biological properties of the novel exopolysaccharide produced by a probiotic strain of <i>Bifidobacterium longum</i> . <i>Carbohydrate Polymers</i> , 2017, 174, 1172-1180.	10.2	59
38	Capsular Polysaccharide Interferes with Biofilm Formation by <i>Pasteurella multocida</i> Serogroup A. <i>MBio</i> , 2017, 8, .	4.1	44
39	Characterization of a new chlorovirus type with permissive and non-permissive features on phylogenetically related algal strains. <i>Virology</i> , 2017, 500, 103-113.	2.4	38
40	Chloroviruses Have a Sweet Tooth. <i>Viruses</i> , 2017, 9, 88.	3.3	39
41	N-Linked Glycans of Chloroviruses Sharing a Core Architecture without Precedent. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 654-658.	13.8	35
42	Serotype O:8 isolates in the <i>Yersinia pseudotuberculosis</i> complex have different O-antigen gene clusters and produce various forms of rough LPS. <i>Innate Immunity</i> , 2016, 22, 205-217.	2.4	4
43	Structure of repeating unit of the capsular polysaccharide from <i>Acinetobacter baumannii</i> D78 and assignment of the K4 gene cluster. <i>Carbohydrate Research</i> , 2016, 434, 12-17.	2.3	28
44	Structure of the K12 capsule containing 5,7-di-N-acetylacinetaminic acid from <i>Acinetobacter baumannii</i> isolate D36. <i>Glycobiology</i> , 2015, 25, 881-887.	2.5	35
45	Chemical Fucosylation of a Polysaccharide: A Semisynthetic Access to Fucosylated Chondroitin Sulfate. <i>Biomacromolecules</i> , 2015, 16, 2237-2245.	5.4	37
46	5,7-di-N-acetyl-acinetaminic acid: A novel non-2-ulosonic acid found in the capsule of an <i>Acinetobacter baumannii</i> isolate. <i>Glycobiology</i> , 2015, 25, 644-654.	2.5	56
47	Structure of the K6 capsular polysaccharide from <i>Acinetobacter baumannii</i> isolate RBH4. <i>Carbohydrate Research</i> , 2015, 409, 30-35.	2.3	29
48	Lipopolysaccharides as Microbe-associated Molecular Patterns: A Structural Perspective. <i>RSC Drug Discovery Series</i> , 2015, , 38-63.	0.3	15
49	Determination of the structure of the O-antigen and the lipid A from the entomopathogenic bacterium <i>Pseudomonas entomophila</i> lipopolysaccharide along with its immunological properties. <i>Carbohydrate Research</i> , 2015, 412, 20-27.	2.3	5
50	Structural determination of the K14 capsular polysaccharide from an ST25 <i>Acinetobacter baumannii</i> isolate, D46. <i>Carbohydrate Research</i> , 2015, 417, 52-56.	2.3	24
51	Synthesis of the tetrasaccharide outer core fragment of <i>Burkholderia multivorans</i> lipooligosaccharide. <i>Carbohydrate Research</i> , 2015, 403, 182-191.	2.3	7
52	Crystal structure of the HIV neutralizing antibody 2G12 in complex with a bacterial oligosaccharide analog of mammalian oligomannose. <i>Glycobiology</i> , 2015, 25, 412-419.	2.5	27
53	<i>Vibrio vulnificus</i> MO6-24/O Lipopolysaccharide Stimulates Superoxide Anion, Thromboxane B2, Matrix Metalloproteinase-9, Cytokine and Chemokine Release by Rat Brain Microglia in Vitro. <i>Marine Drugs</i> , 2014, 12, 1732-1756.	4.6	10
54	Cyclic enterobacterial common antigens from <i>Escherichia coli</i> O157 as microbe-associated molecular patterns. <i>Canadian Journal of Microbiology</i> , 2014, 60, 173-176.	1.7	1

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55	Structural and conformational study of the O-polysaccharide produced by the metabolically versatile photosynthetic bacterium <i>Rhodospseudomonas palustris</i> strain BisA53. <i>Carbohydrate Polymers</i> , 2014, 114, 384-391.	10.2	13
56	Elucidation of the structure of the oligosaccharide from wild type <i>Moraxella bovis</i> Epp63 lipooligosaccharide. <i>Carbohydrate Research</i> , 2014, 388, 81-86.	2.3	8
57	Biotechnological transformation of hydrocortisone to 16 β -hydroxy hydrocortisone by <i>Streptomyces roseochromogenes</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1291-1299.	3.6	19
58	Giant Virus <i>Megavirus chilensis</i> Encodes the Biosynthetic Pathway for Uncommon Acetamido Sugars. <i>Journal of Biological Chemistry</i> , 2014, 289, 24428-24439.	3.4	24
59	<i>Lactobacillus crispatus</i> L1: high cell density cultivation and exopolysaccharide structure characterization to highlight potentially beneficial effects against vaginal pathogens. <i>BMC Microbiology</i> , 2014, 14, 137.	3.3	57
60	Structure of the K2 capsule associated with the KL2 gene cluster of <i>Acinetobacter baumannii</i> . <i>Glycobiology</i> , 2014, 24, 554-563.	2.5	88
61	Conversion of yeast mannan polysaccharide in mannose oligosaccharides with a thiopropargyl linker at the pseudo-reducing end. <i>Carbohydrate Research</i> , 2014, 383, 43-49.	2.3	2
62	Inter vs. intraglycosidic acetal linkages control sulfation pattern in semi-synthetic chondroitin sulfate. <i>Carbohydrate Polymers</i> , 2014, 112, 546-555.	10.2	15
63	A Route to Oligosaccharide-Appended Salicylaldehydes: Useful Building Blocks for the Synthesis of Metal-Salophen Complexes. <i>Journal of Organic Chemistry</i> , 2013, 78, 7962-7969.	3.2	9
64	Structural identification of the O-antigen fraction from the lipopolysaccharide of the <i>Burkholderia ambifaria</i> strain 19182. <i>Carbohydrate Research</i> , 2013, 379, 95-99.	2.3	10
65	The O-specific polysaccharide structure and gene cluster of serotype O:12 of the <i>Yersinia pseudotuberculosis</i> complex, and the identification of a novel L-quinovose biosynthesis gene. <i>Glycobiology</i> , 2013, 23, 346-353.	2.5	18
66	Multivalent glycoconjugates as anti-pathogenic agents. <i>Chemical Society Reviews</i> , 2013, 42, 4709-4727.	38.1	464
67	The structural elucidation of the <i>Salmonella enterica</i> subsp. <i>enterica</i> , reveals that it contains both O-factors 4 and 5 on the LPS antigen. <i>Carbohydrate Research</i> , 2013, 370, 9-12.	2.3	11
68	Separation of early and late responses to herbivory in <i>Arabidopsis</i> by changing plasmodesmal function. <i>Plant Journal</i> , 2013, 73, 14-25.	5.7	46
69	Structure of N-linked oligosaccharides attached to chlorovirus PBCV-1 major capsid protein reveals unusual class of complex N-glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13956-13960.	7.1	49
70	Giant DNA Virus <i>Mimivirus</i> Encodes Pathway for Biosynthesis of Unusual Sugar 4-Amino-4,6-dideoxy-d-glucose (Viosamine). <i>Journal of Biological Chemistry</i> , 2012, 287, 3009-3018.	3.4	38
71	Comparative Genomics of Early-Diverging <i>Brucella</i> Strains Reveals a Novel Lipopolysaccharide Biosynthesis Pathway. <i>MBio</i> , 2012, 3, e00246-12.	4.1	37
72	Bacterial Lipopolysaccharides in Plant and Mammalian Innate Immunity. <i>Protein and Peptide Letters</i> , 2012, 19, 1040-1044.	0.9	17

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73	Occurrence and structure of cyclic Enterobacterial Common Antigen in <i>Escherichia coli</i> O157:H ₇ . <i>Carbohydrate Research</i> , 2012, 363, 29-32.	2.3	9
74	Preparation and NMR characterization of glucosamine oligomers bearing an azide function using chitosan. <i>Carbohydrate Polymers</i> , 2012, 90, 847-852.	10.2	9
75	Structure of the lipopolysaccharide isolated from the novel species <i>Uruburuella suis</i> . <i>Carbohydrate Research</i> , 2012, 357, 75-82.	2.3	8
76	<i>Burkholderia cenocepacia</i> lectin A binding to heptoses from the bacterial lipopolysaccharide. <i>Glycobiology</i> , 2012, 22, 1387-1398.	2.5	31
77	A Bacterial Lipooligosaccharide that Naturally Mimics the Epitope of the HIV-Neutralizing Antibody 2G12 as a Template for Vaccine Design. <i>Chemistry and Biology</i> , 2012, 19, 254-263.	6.0	33
78	Semi-synthesis of Unusual Chondroitin Sulfate Polysaccharides Containing GlcA(3 <i>→</i> 6) or GlcA(2,3 <i>→</i> 6) Units. <i>Chemistry - A European Journal</i> , 2012, 18, 2123-2130.	3.3	28
79	Identification and structural determination of the capsular polysaccharides from two <i>Acinetobacter baumannii</i> clinical isolates, MG1 and SMAL. <i>Carbohydrate Research</i> , 2011, 346, 973-977.	2.3	41
80	Identification, structure, and characterization of an exopolysaccharide produced by <i>Histophilus somni</i> during biofilm formation. <i>BMC Microbiology</i> , 2011, 11, 186.	3.3	30
81	A Microbiological "Chemical Strategy to Produce Chondroitin Sulfate A,C. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6160-6163.	13.8	60
82	The genetics and structure of the O-specific polysaccharide of <i>Yersinia pseudotuberculosis</i> serotype O:10 and its relationship with <i>Escherichia coli</i> O111 and <i>Salmonella enterica</i> O35. <i>Glycobiology</i> , 2011, 21, 1131-1139.	2.5	14
83	Genetic characterisation and structural analysis of the O-specific polysaccharide of <i>Yersinia pseudotuberculosis</i> serotype O:1c. <i>Innate Immunity</i> , 2011, 17, 183-190.	2.4	13
84	Complete Lipooligosaccharide Structure of the Clinical Isolate <i>Acinetobacter baumannii</i> , Strain SMAL. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1345-1352.	2.4	21
85	The structure of the carbohydrate backbone of the lipooligosaccharide from an alkaliphilic <i>Halomonas</i> sp.. <i>Carbohydrate Research</i> , 2010, 345, 1971-1975.	2.3	8
86	Insights on the conformational properties of hyaluronic acid by using NMR residual dipolar couplings and MD simulations. <i>Glycobiology</i> , 2010, 20, 1208-1216.	2.5	25
87	Microbe-Associated Molecular Patterns in Innate Immunity. <i>Methods in Enzymology</i> , 2010, 480, 89-115.	1.0	140
88	Lipopolysaccharides. , 2010, , 133-153.		25
89	Characterization of the specific O-polysaccharide structure and biosynthetic gene cluster of <i>Yersinia pseudotuberculosis</i> serotype O:15. <i>Innate Immunity</i> , 2009, 15, 351-359.	2.4	17
90	Structural analysis of chondroitin sulfate from <i>Scyliorhinus canicula</i> : A useful source of this polysaccharide. <i>Glycobiology</i> , 2009, 19, 1485-1491.	2.5	51

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91	High-performance CE of <i>Escherichia coli</i> K4 cell surface polysaccharides. <i>Electrophoresis</i> , 2009, 30, 3877-3883.	2.4	30
92	The O-specific polysaccharide structure and biosynthetic gene cluster of <i>Yersinia pseudotuberculosis</i> serotype O:11. <i>Carbohydrate Research</i> , 2009, 344, 1533-1540.	2.3	17
93	A novel capsular polysaccharide from <i>Rhizobium rubi</i> strain DSM 30149. <i>Carbohydrate Research</i> , 2008, 343, 1482-1485.	2.3	3
94	Structural elucidation of the capsular polysaccharide isolated from <i>Kaistella flava</i> . <i>Carbohydrate Research</i> , 2008, 343, 2401-2405.	2.3	12
95	Structural characterizations of lipids A by MS/MS of doubly charged ions on a hybrid linear ion trap/orbitrap mass spectrometer. <i>Journal of Mass Spectrometry</i> , 2008, 43, 478-484.	1.6	21
96	<i>Rhizobium rubi</i> T: A Gram-Negative Phytopathogenic Bacterium Expressing the Lewis B Epitope on the Outer Core of its Lipooligosaccharide Fraction. <i>ChemBioChem</i> , 2008, 9, 1830-1835.	2.6	3
97	Lipopolysaccharide structures from <i>Agrobacterium</i> and <i>Rhizobiaceae</i> species. <i>Carbohydrate Research</i> , 2008, 343, 1924-1933.	2.3	61
98	Peptidoglycan and Muropeptides from Pathogens <i>Agrobacterium</i> and <i>Xanthomonas</i> Elicit Plant Innate Immunity: Structure and Activity. <i>Chemistry and Biology</i> , 2008, 15, 438-448.	6.0	129
99	Muramylpeptide shedding modulates cell sensing of <i>Shigella flexneri</i> . <i>Cellular Microbiology</i> , 2008, 10, 682-695.	2.1	67
100	Bacterial Polysaccharides Suppress Induced Innate Immunity by Calcium Chelation. <i>Current Biology</i> , 2008, 18, 1078-1083.	3.9	212
101	Cellulose modulates biofilm formation by counteracting curli-mediated colonization of solid surfaces in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2008, 154, 2017-2024.	1.8	120
102	Functional Analysis of the Protein Machinery Required for Transport of Lipopolysaccharide to the Outer Membrane of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2008, 190, 4460-4469.	2.2	218
103	Full structural characterization of <i>Shigella flexneri</i> M90T serotype 5 wild-type R-LPS and its Δ galU mutant: glycine residue location in the inner core of the lipopolysaccharide. <i>Glycobiology</i> , 2007, 18, 260-269.	2.5	19
104	Absolute Configuration of 8-Amino-3,8-dideoxyoct-2-ulosonic Acid, the Chemical Hallmark of Lipopolysaccharides of the Genus <i>Shewanella</i> . <i>Journal of Natural Products</i> , 2007, 70, 1624-1627.	3.0	9
105	<i>Agrobacterium rubi</i> DSM 6772 Produces a Lipophilic Polysaccharide Capsule whose Degree of Acetylation is Growth Modulated. <i>Biomacromolecules</i> , 2007, 8, 1047-1051.	5.4	16
106	Structure of the Iron-Binding Exopolysaccharide Produced Anaerobically by the Gram-Negative Bacterium <i>Klebsiella oxytoca</i> BAS 10. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5183-5189.	2.4	29
107	Brønsted acidity of ceric ammonium nitrate in anhydrous DMF. The role of salt and solvent in sucrose cleavage. <i>Tetrahedron</i> , 2006, 62, 2350-2356.	1.9	9
108	Synthetic oligorhamnans related to the most common O-chain backbone from phytopathogenic bacteria. <i>Tetrahedron</i> , 2006, 62, 8474-8483.	1.9	13

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109	Structural Characterisation of the Core Oligosaccharides Isolated from the Lipooligosaccharide Fraction of <i>Agrobacterium tumefaciens</i> A1. <i>Chemistry - A European Journal</i> , 2006, 12, 4668-4674.	3.3	5
110	Core oligosaccharide structure from the highly phytopathogenic <i>Agrobacterium tumefaciens</i> TT111 and conformational analysis of the putative rhamnan epitope. <i>Glycobiology</i> , 2006, 16, 1272-1280.	2.5	11
111	The ionic interaction of <i>Klebsiella pneumoniae</i> K2 capsule and core lipopolysaccharide. <i>Microbiology (United Kingdom)</i> , 2006, 152, 1807-1818.	1.8	44
112	¹ H and ¹³ C NMR characterization and secondary structure of the K2 polysaccharide of <i>Klebsiella pneumoniae</i> strain 52145. <i>Carbohydrate Research</i> , 2005, 340, 2212-2217.	2.3	59
113	The linkage between O-specific caryan and core region in the lipopolysaccharide of <i>Burkholderia caryophylli</i> is furnished by a primer monosaccharide. <i>Carbohydrate Research</i> , 2005, 340, 1802-1807.	2.3	10
114	A Second Outer-Core Region in <i>Klebsiella pneumoniae</i> Lipopolysaccharide. <i>Journal of Bacteriology</i> , 2005, 187, 4198-4206.	2.2	50
115	Structure-Dependent Modulation of a Pathogen Response in Plants by Synthetic O-Antigen Polysaccharides. <i>Journal of the American Chemical Society</i> , 2005, 127, 2414-2416.	13.7	83
116	Full structural characterization of the lipid A components from the <i>Agrobacterium tumefaciens</i> strain C58 lipopolysaccharide fraction. <i>Glycobiology</i> , 2004, 14, 805-815.	2.5	28
117	Elucidation of two O-chain structures from the lipopolysaccharide fraction of <i>Agrobacterium tumefaciens</i> F/1. <i>Carbohydrate Research</i> , 2004, 339, 2451-2455.	2.3	12
118	Structural Determination of the O-Chain Moieties of the Lipopolysaccharide Fraction from <i>Agrobacterium radiobacter</i> DSM 30147. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 3842-3849.	2.4	9
119	Structural Analysis of a Novel Polysaccharide of the Lipopolysaccharide-Deficient Extremophile Gram-Negative Bacterium <i>Thermus thermophilus</i> HB8. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 5047-5054.	2.4	12
120	Synthesis of a d-rhamnose branched tetrasaccharide, repeating unit of the O-chain from <i>Pseudomonas syringae</i> pv. <i>Syringae</i> (cerasi) 435. <i>Carbohydrate Research</i> , 2004, 339, 1907-1915.	2.3	9
121	Structural Determination of the O-Specific Chain of the Lipopolysaccharide Fraction from the Alkaliphilic Bacterium <i>Halomonas magadii</i> Strain 21 MI. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1029-1034.	2.4	17
122	The Structure of Lipid A of the Lipopolysaccharide from <i>Burkholderia caryophylli</i> with a 4-Amino-4-deoxy-L-arabinopyranose 1-Phosphate Residue Exclusively in Glycosidic Linkage. <i>Chemistry - A European Journal</i> , 2003, 9, 1542-1548.	3.3	29
123	Elucidation of the O-chain structure from the lipopolysaccharide of <i>Agrobacterium tumefaciens</i> strain C58. <i>Carbohydrate Research</i> , 2003, 338, 1891-1894.	2.3	9
124	Structural elucidation of a novel core oligosaccharide backbone of the lipopolysaccharide from the new bacterial species <i>Agrobacterium larrymoorei</i> . <i>Carbohydrate Research</i> , 2003, 338, 2721-2730.	2.3	15
125	The O-specific chain structure of the major component from the lipopolysaccharide fraction of <i>Halomonas magadii</i> strain 21 MI (NCIMB 13595). <i>Carbohydrate Research</i> , 2003, 338, 567-570.	2.3	16
126	Lipopolysaccharides Possessing Two 1-Glycero-d-manno-heptopyranosyl-(1→5)-3-deoxy-d-manno-oct-2-ulopyranosonic Acid Moieties in the Core Region. <i>Journal of Biological Chemistry</i> , 2002, 277, 10058-10063.	3.4	33

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127	Structural determination of the O-chain polysaccharide from <i>Agrobacterium tumefaciens</i> , strain DSM 30205. <i>FEBS Journal</i> , 2002, 269, 2885-2888.	0.2	16
128	NMR and MS evidences for a random assembled O-specific chain structure in the LPS of the bacterium <i>Xanthomonas campestris</i> pv. <i>Vitians</i> . <i>FEBS Journal</i> , 2002, 269, 4185-4193.	0.2	19
129	Chiral induction based on carbohydrate ligands in olefin platinum(0) complexes. <i>Carbohydrate Research</i> , 2002, 337, 651-656.	2.3	9
130	Solvent Effect on the Isomeric Equilibrium of Carbohydrates: The Superior Ability of 2,2,2-Trifluoroethanol for Intramolecular Hydrogen Bond Stabilization. <i>Journal of the American Chemical Society</i> , 2001, 123, 12605-12610.	13.7	14
131	Acetyl substitution of the O-specific polysaccharide caryophyllan from the phenol phase of <i>Pseudomonas</i> (<i>Burkholderia</i>) <i>caryophylli</i> . <i>Carbohydrate Research</i> , 2001, 335, 205-211.	2.3	11
132	Structural analysis of a novel putative capsular polysaccharide from <i>Pseudomonas</i> (<i>Burkholderia</i>) <i>caryophylli</i> strain 2151. <i>FEBS Journal</i> , 2001, 259, 887-891.	0.2	4
133	Acetyl Substitution of the O-Specific Caryan from the Lipopolysaccharide of <i>Pseudomonas</i> (<i>Burkholderia</i>) <i>caryophylli</i> Leads to a Block Pattern. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 156-160.	13.8	17
134	Synthesis and NMR Characterisation of Methyl Mono- and Di-O- α -L-Rhamnopyranosyl- β -D-Glucopyranosiduronic Acids. <i>Journal of Carbohydrate Chemistry</i> , 1999, 18, 69-86.	1.1	6
135	Presence of β -glycosyl linkages in caryophyllan: the main polysaccharide from the <i>Pseudomonas caryophylli</i> LPS fraction. <i>Carbohydrate Research</i> , 1998, 307, 167-172.	2.3	8
136	Structural determination of the O-deacetylated O-chain of lipopolysaccharide from <i>Burkholderia</i> (<i>Pseudomonas</i>) <i>cepacia</i> strain PVFi-5A. <i>Carbohydrate Research</i> , 1998, 307, 333-341.	2.3	10
137	Chemical structure of two phytotoxic exopolysaccharides produced by <i>Phomopsis foeniculi</i> Presented at the 18th International Carbohydrate Symposium, Milan, Italy, 1996.. <i>Carbohydrate Research</i> , 1998, 308, 349-357.	2.3	39
138	Phytotoxic extracellular polysaccharide fractions from <i>Cryphonectria parasitica</i> (Murr.) Barr strains. <i>Carbohydrate Polymers</i> , 1998, 37, 167-172.	10.2	33
139	Applicability of the Mosher MPTA-Ester Methodology to Monosaccharides. <i>Journal of Carbohydrate Chemistry</i> , 1998, 17, 987-992.	1.1	2
140	Lipopolysaccharides from three phytopathogenic pseudomonads. <i>Phytochemistry</i> , 1997, 46, 289-292.	2.9	1
141	Caryose: a carbocyclic monosaccharide from <i>Pseudomonas caryophylli</i> . <i>Carbohydrate Research</i> , 1996, 284, 111-118.	2.3	39
142	Analysis of the polysaccharide components of the lipopolysaccharide fraction of <i>Pseudomonas caryophylli</i> . <i>Carbohydrate Research</i> , 1996, 284, 119-133.	2.3	33
143	A novel 4-C-branched sugar from the lipopolysaccharide of the bacterium <i>Pseudomonas caryophylli</i> . <i>Carbohydrate Research</i> , 1995, 267, 307-311.	2.3	33
144	The relative and absolute configurations of stereocenters in caryophyllose. <i>Carbohydrate Research</i> , 1995, 274, 223-232.	2.3	30

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145	Structural investigation of Ceratozamia spinosa mucilage. Carbohydrate Research, 1994, 260, 259-270.	2.3	7