Christina De Castro

List of Publications by Year
in descending order

145 papers	4,808 citations	109321 35 h-index	123424 61 g-index
152 all docs	152 docs citations	152 times ranked	5870 citing authors

#	Article	IF	Citations
1	Multivalent glycoconjugates as anti-pathogenic agents. Chemical Society Reviews, 2013, 42, 4709-4727.	38.1	464
2	Functional Analysis of the Protein Machinery Required for Transport of Lipopolysaccharide to the Outer Membrane of Escherichia coli. Journal of Bacteriology, 2008, 190, 4460-4469.	2.2	218
3	Bacterial Polysaccharides Suppress Induced Innate Immunity by Calcium Chelation. Current Biology, 2008, 18, 1078-1083.	3.9	212
4	Cell surface polysaccharides of Bifidobacterium bifidum induce the generation of Foxp3 ⁺ regulatory T cells. Science Immunology, 2018, 3, .	11.9	145
5	Microbe-Associated Molecular Patterns in Innate Immunity. Methods in Enzymology, 2010, 480, 89-115.	1.0	140
6	Methicillin-resistant Staphylococcus aureus alters cell wall glycosylation to evade immunity. Nature, 2018, 563, 705-709.	27.8	137
7	Peptidoglycan and Muropeptides from Pathogens Agrobacterium and Xanthomonas Elicit Plant Innate Immunity: Structure and Activity. Chemistry and Biology, 2008, 15, 438-448.	6.0	129
8	Cellulose modulates biofilm formation by counteracting curli-mediated colonization of solid surfaces in Escherichia coli. Microbiology (United Kingdom), 2008, 154, 2017-2024.	1.8	120
9	Lipopolysaccharide structures of Gram-negative populations in the gut microbiota and effects on host interactions. FEMS Microbiology Reviews, 2019, 43, 257-272.	8.6	102
10	Structure of the K2 capsule associated with the KL2 gene cluster of Acinetobacter baumannii. Glycobiology, 2014, 24, 554-563.	2.5	88
11	Structure-Dependent Modulation of a Pathogen Response in Plants by Synthetic O-Antigen Polysaccharides. Journal of the American Chemical Society, 2005, 127, 2414-2416.	13.7	83
12	A Journey from Structure to Function of Bacterial Lipopolysaccharides. Chemical Reviews, 2022, 122, 15767-15821.	47.7	82
13	Lipopolysaccharide from Crypt-Specific Core Microbiota Modulates the Colonic Epithelial Proliferation-to-Differentiation Balance. MBio, 2017, 8, .	4.1	81
14	Muramylpeptide shedding modulates cell sensing of Shigella flexneri. Cellular Microbiology, 2008, 10, 682-695.	2.1	67
15	Lipopolysaccharide structures from Agrobacterium and Rhizobiaceae species. Carbohydrate Research, 2008, 343, 1924-1933.	2.3	61
16	A Microbiologicalâ€“Chemical Strategy to Produce Chondroitin Sulfate A,C. Angewandte Chemie - International Edition, 2011, 50, 6160-6163.	13.8	60
17	1H and 13C NMR characterization and secondary structure of the K2 polysaccharide of Klebsiella pneumoniae strain 52145. Carbohydrate Research, 2005, 340, 2212-2217.	2.3	59
18	Chemical and biological properties of the novel exopolysaccharide produced by a probiotic strain of Bifidobacterium longum. Carbohydrate Polymers, 2017, 174, 1172-1180.	10.2	59

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19	Lactobacillus crispatus L1: high cell density cultivation and exopolysaccharide structure characterization to highlight potentially beneficial effects against vaginal pathogens. BMC Microbiology, 2014, 14, 137.	3.3	57
20	5,7-di-N-acetyl-acinetaminic acid: A novel non-2-ulosonic acid found in the capsule of an Acinetobacter baumannii isolate. Glycobiology, 2015, 25, 644-654.	2.5	56
21	Structural analysis of chondroitin sulfate from Scyliorhinus canicula: A useful source of this polysaccharide. Glycobiology, 2009, 19, 1485-1491.	2.5	51
22	A Second Outer-Core Region in Klebsiella pneumoniae Lipopolysaccharide. Journal of Bacteriology, 2005, 187, 4198-4206.	2.2	50
23	Structure of N-linked oligosaccharides attached to chlorovirus PBCV-1 major capsid protein reveals unusual class of complex N-glycans. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13956-13960.	7.1	49
24	Liquid-state NMR spectroscopy for complex carbohydrate structural analysis: A hitchhiker's guide. Carbohydrate Polymers, 2022, 277, 118885.	10.2	49
25	Acinetobacter baumannii 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. Carbohydrate Research, 2017, 452, 149-155.	2.3	47
26	Separation of early and late responses to herbivory in Arabidopsis by changing plasmodesmal function. Plant Journal, 2013, 73, 14-25.	5.7	46
27	The ionic interaction of Klebsiella pneumoniae K2 capsule and core lipopolysaccharide. Microbiology (United Kingdom), 2006, 152, 1807-1818.	1.8	44
28	Capsular Polysaccharide Interferes with Biofilm Formation byPasteurella multocidaSerogroup A. MBio, 2017, 8, .	4.1	44
29	Identification and structural determination of the capsular polysaccharides from two Acinetobacter baumannii clinical isolates, MG1 and SMAL. Carbohydrate Research, 2011, 346, 973-977.	2.3	41
30	Caryose: a carbocyclic monosaccharide from Pseudomonas caryophylli. Carbohydrate Research, 1996, 284, 111-118.	2.3	39
31	Chemical structure of two phytotoxic exopolysaccharides produced by Phomopsis foeniculi11Presented at the 18th International Carbohydrate Symposium, Milan, Italy, 1996.. Carbohydrate Research, 1998, 308, 349-357.	2.3	39
32	Chloroviruses Have a Sweet Tooth. Viruses, 2017, 9, 88.	3.3	39
33	Giant DNA Virus Mimivirus Encodes Pathway for Biosynthesis of Unusual Sugar 4-Amino-4,6-dideoxy-d-glucose (Viosamine). Journal of Biological Chemistry, 2012, 287, 3009-3018.	3.4	38
34	Characterization of a new chlorovirus type with permissive and non-permissive features on phylogenetically related algal strains. Virology, 2017, 500, 103-113.	2.4	38
35	Comparative Genomics of Early-Diverging Brucella Strains Reveals a Novel Lipopolysaccharide Biosynthesis Pathway. MBio, 2012, 3, e00246-12.	4.1	37
36	Chemical Fucosylation of a Polysaccharide: A Semisynthetic Access to Fucosylated Chondroitin Sulfate. Biomacromolecules, 2015, 16, 2237-2245.	5.4	37

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37	Mutation and Suppressor Analysis of the Essential Lipopolysaccharide Transport Protein LptA Reveals Strategies To Overcome Severe Outer Membrane Permeability Defects in Escherichia coli. Journal of Bacteriology, 2018, 200, .	2.2	36
38	Structure of the K12 capsule containing 5,7-di-N-acetylacinetaminic acid fromAcinetobacter baumanniiisolate D36. Glycobiology, 2015, 25, 881-887.	2.5	35
39	Nâ€Linked Glycans of Chloroviruses Sharing a Core Architecture without Precedent. Angewandte Chemie - International Edition, 2016, 55, 654-658.	13.8	35
40	Bifidobacterium bifidum presents on the cell surface a complex mixture of glucans and galactans with different immunological properties. Carbohydrate Polymers, 2019, 218, 269-278.	10.2	35
41	Structural specificities of cell surface Î²-glucan polysaccharides determine commensal yeast mediated immuno-modulatory activities. Nature Communications, 2021, 12, 3611.	12.8	34
42	A novel 4-C-branched sugar from the lipopolysaccharide of the bacterium Pseudomonas caryophylli. Carbohydrate Research, 1995, 267, 307-311.	2.3	33
43	Analysis of the polysaccharide components of the lipopolysaccharide fraction of Pseudomonas caryophylli. Carbohydrate Research, 1996, 284, 119-133.	2.3	33
44	Phytotoxic extracellular polysaccharide fractions from Cryphonectria parasitica (Murr.) Barr strains. Carbohydrate Polymers, 1998, 37, 167-172.	10.2	33
45	Lipopolysaccharides Possessing Twol-Glycero-d-manno-heptopyranosyl-Î±-(1â†'5)-3-deoxy-d-manno-oct-2-ulopyranosonic Acid Moieties in the Core Region. Journal of Biological Chemistry, 2002, 277, 10058-10063.	3.4	33
46	A Bacterial Lipooligosaccharide that Naturally Mimics the Epitope of the HIV-Neutralizing Antibody 2G12 as a Template for Vaccine Design. Chemistry and Biology, 2012, 19, 254-263.	6.0	33
47	Burkholderia cenocepacia lectin A binding to heptoses from the bacterial lipopolysaccharide. Glycobiology, 2012, 22, 1387-1398.	2.5	31
48	The relative and absolute configurations of stereocenters in caryophyllose. Carbohydrate Research, 1995, 274, 223-232.	2.3	30
49	Highâ€performance CE of Escherichia coli K4 cell surface polysaccharides. Electrophoresis, 2009, 30, 3877-3883.	2.4	30
50	Identification, structure, and characterization of an exopolysaccharide produced by Histophilus somniduring biofilm formation. BMC Microbiology, 2011, 11, 186.	3.3	30
51	5,7-Di-N-acetyl-8-epiacinetaminic acid: A new non-2-ulosonic acid found in the K73 capsule produced by an Acinetobacter baumannii isolate from Singapore. Scientific Reports, 2017, 7, 11357.	3.3	30
52	The Structure of Lipid A of the Lipopolysaccharide from Burkholderia caryophylli with a 4-Amino-4-deoxy-L-arabinopyranose 1-Phosphate Residue Exclusively in Glycosidic Linkage. Chemistry - A European Journal, 2003, 9, 1542-1548.	3.3	29
53	Structure of the Ironâ€Binding Exopolysaccharide Produced Anaerobically by the Gramâ€Negative Bacterium Klebsiella oxytoca BASâ€10. European Journal of Organic Chemistry, 2007, 2007, 5183-5189.	2.4	29
54	Structure of the K6 capsular polysaccharide from Acinetobacter baumannii isolate RBH4. Carbohydrate Research, 2015, 409, 30-35.	2.3	29

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55	Structure of the chlorovirus PBCV-1 major capsid glycoprotein determined by combining crystallographic and carbohydrate molecular modeling approaches. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E44-E52.	7.1	29
56	Full structural characterization of the lipid A components from the Agrobacterium tumefaciens strain C58 lipopolysaccharide fraction. Glycobiology, 2004, 14, 805-815.	2.5	28
57	Semiâ€Synthesis of Unusual Chondroitin Sulfate Polysaccharides Containing GlcA(3â€Oâ€sulfate) or GlcA(2,3â€diâ€Oâ€sulfate) Units. Chemistry - A European Journal, 2012, 18, 2123-2130.	3.3	28
58	Structure of repeating unit of the capsular polysaccharide from Acinetobacter baumannii D78 and assignment of the K4 gene cluster. Carbohydrate Research, 2016, 434, 12-17.	2.3	28
59	Crystal structure of the HIV neutralizing antibody 2G12 in complex with a bacterial oligosaccharide analog of mammalian oligomannose. Glycobiology, 2015, 25, 412-419.	2.5	27
60	A general protein O-glycosylation machinery conserved in Burkholderia species improves bacterial fitness and elicits glycan immunogenicity in humans. Journal of Biological Chemistry, 2019, 294, 13248-13268.	3.4	27
61	Insights on the conformational properties of hyaluronic acid by using NMR residual dipolar couplings and MD simulations. Glycobiology, 2010, 20, 1208-1216.	2.5	25
62	Structural features and immunological perception of the cell surface glycans of Lactobacillus plantarum: a novel rhamnose-rich polysaccharide and teichoic acids. Carbohydrate Polymers, 2020, 233, 115857.	10.2	25
63	Lipopolysaccharides. , 2010, , 133-153.		25
64	Giant Virus Megavirus chilensis Encodes the Biosynthetic Pathway for Uncommon Acetamido Sugars. Journal of Biological Chemistry, 2014, 289, 24428-24439.	3.4	24
65	Structural determination of the K14 capsular polysaccharide from an ST25 Acinetobacter baumannii isolate, D46. Carbohydrate Research, 2015, 417, 52-56.	2.3	24
66	Carbohydrate-based adjuvants. Drug Discovery Today: Technologies, 2020, 35-36, 57-68.	4.0	24
67	Structural characterizations of lipids A by MS/MS of doubly charged ions on a hybrid linear ion trap/orbitrap mass spectrometer. Journal of Mass Spectrometry, 2008, 43, 478-484.	1.6	21
68	Complete Lipooligosaccharide Structure of the Clinical Isolate Acinetobacter baumannii, Strain SMAL. European Journal of Organic Chemistry, 2010, 2010, 1345-1352.	2.4	21
69	Lipopolysaccharide lipid A: A promising molecule for new immunity-based therapies and antibiotics. , 2022, 230, 107970.		20
70	NMR and MS evidences for a random assembled O-specific chain structure in the LPS of the bacterium Xanthomonas campestris pv. Vitians. FEBS Journal, 2002, 269, 4185-4193.	0.2	19
71	Full structural characterization of Shigella flexneri M90T serotype 5 wild-type R-LPS and its ÂgalU mutant: glycine residue location in the inner core of the lipopolysaccharide. Glycobiology, 2007, 18, 260-269.	2.5	19
72	Biotechnological transformation of hydrocortisone to 16Î±-hydroxy hydrocortisone by Streptomyces roseochromogenes. Applied Microbiology and Biotechnology, 2014, 98, 1291-1299.	3.6	19

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73	The O-specific polysaccharide structure and gene cluster of serotype O:12 of the Yersinia pseudotuberculosis complex, and the identification of a novel L-quinovose biosynthesis gene. Glycobiology, 2013, 23, 346-353.	2.5	18
74	Selection of Exopolysaccharide-Producing Lactobacillus Plantarum (Lactiplantibacillus Plantarum) Isolated from Algerian Fermented Foods for the Manufacture of Skim-Milk Fermented Products. Microorganisms, 2020, 8, 1101.	3.6	18
75	Acetyl Substitution of the O-Specific Caryan from the Lipopolysaccharide ofPseudomonas (Burkholderia) caryophylli Leads to a Block Pattern. Angewandte Chemie - International Edition, 2000, 39, 156-160.	13.8	17
76	Structural Determination of the O-Specific Chain of the Lipopolysaccharide Fraction from the Alkaliphilic Bacterium Halomonas magadii Strain 21 MI. European Journal of Organic Chemistry, 2003, 2003, 1029-1034.	2.4	17
77	Characterization of the specific O-polysaccharide structure and biosynthetic gene cluster of Yersinia pseudotuberculosis serotype O:15. Innate Immunity, 2009, 15, 351-359.	2.4	17
78	The O-specific polysaccharide structure and biosynthetic gene cluster of Yersinia pseudotuberculosis serotype O:11. Carbohydrate Research, 2009, 344, 1533-1540.	2.3	17
79	Bacterial Lipopolysaccharides in Plant and Mammalian Innate Immunity. Protein and Peptide Letters, 2012, 19, 1040-1044.	0.9	17
80	Structural determination of the O-chain polysaccharide from Agrobacterium tumefaciens , strain DSMâ€ƒ30205. FEBS Journal, 2002, 269, 2885-2888.	0.2	16
81	The O-specific chain structure of the major component from the lipopolysaccharide fraction of Halomonas magadii strain 21 MI (NCIMB 13595). Carbohydrate Research, 2003, 338, 567-570.	2.3	16
82	Agrobacterium rubiTDSM 6772 Produces a Lipophilic Polysaccharide Capsule whose Degree of Acetylation is Growth Modulated. Biomacromolecules, 2007, 8, 1047-1051.	5.4	16
83	The rare sugar N-acetylated viosamine is a major component of Mimivirus fibers. Journal of Biological Chemistry, 2017, 292, 7385-7394.	3.4	16
84	Structural elucidation of a novel core oligosaccharide backbone of the lipopolysaccharide from the new bacterial species Agrobacterium larrymoorei. Carbohydrate Research, 2003, 338, 2721-2730.	2.3	15
85	Inter vs. intraglycosidic acetal linkages control sulfation pattern in semi-synthetic chondroitin sulfate. Carbohydrate Polymers, 2014, 112, 546-555.	10.2	15
86	Lipopolysaccharides as Microbe-associated Molecular Patterns: A Structural Perspective. RSC Drug Discovery Series, 2015, , 38-63.	0.3	15
87	The N-glycan structures of the antigenic variants of chlorovirus PBCV-1 major capsid protein help to identify the virus-encoded glycosyltransferases. Journal of Biological Chemistry, 2019, 294, 5688-5699.	3.4	15
88	Solvent Effect on the Isomeric Equilibrium of Carbohydrates:â€‰ The Superior Ability of 2,2,2-Trifluoroethanol for Intramolecular Hydrogen Bond Stabilization. Journal of the American Chemical Society, 2001, 123, 12605-12610.	13.7	14
89	The genetics and structure of the O-specific polysaccharide of Yersinia pseudotuberculosis serotype O:10 and its relationship with Escherichia coli O111 and Salmonella enterica O35. Glycobiology, 2011, 21, 1131-1139.	2.5	14
90	Structure of the N-glycans from the chlorovirus NE-JV-1. Antonie Van Leeuwenhoek, 2017, 110, 1391-1399.	1.7	14

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91	Synthetic oligorhamnans related to the most common O-chain backbone from phytopathogenic bacteria. Tetrahedron, 2006, 62, 8474-8483.	1.9	13
92	Genetic characterisation and structural analysis of the O-specific polysaccharide of Yersinia pseudotuberculosis serotype O:1c. Innate Immunity, 2011, 17, 183-190.	2.4	13
93	Structural and conformational study of the O-polysaccharide produced by the metabolically versatile photosynthetic bacterium Rhodopseudomonas palustris strain BisA53. Carbohydrate Polymers, 2014, 114, 384-391.	10.2	13
94	Elucidation of two O-chain structures from the lipopolysaccharide fraction of Agrobacterium tumefaciens F/1. Carbohydrate Research, 2004, 339, 2451-2455.	2.3	12
95	Structural Analysis of a Novel Polysaccharide of the Lipopolysaccharide-Deficient Extremophile Gram-Negative BacteriumThermus thermophilus HB8. European Journal of Organic Chemistry, 2004, 2004, 5047-5054.	2.4	12
96	Structural elucidation of the capsular polysaccharide isolated from Kaistella flava. Carbohydrate Research, 2008, 343, 2401-2405.	2.3	12
97	Chlorovirus PBCV-1 protein A064R has three of the transferase activities necessary to synthesize its capsid protein N-linked glycans. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28735-28742.	7.1	12
98	Acetyl substitution of the O-specific polysaccharide caryophyllan from the phenol phase of Pseudomonas (Burkholderia) caryophylli. Carbohydrate Research, 2001, 335, 205-211.	2.3	11
99	Core oligosaccharide structure from the highly phytopathogenic Agrobacterium tumefaciens TT111 and conformational analysis of the putative rhamnan epitope. Glycobiology, 2006, 16, 1272-1280.	2.5	11
100	The structural elucidation of the Salmonella enterica subsp. enterica, reveals that it contains both O-factors 4 and 5 on the LPS antigen. Carbohydrate Research, 2013, 370, 9-12.	2.3	11
101	Expanding the Occurrence of Polysaccharides to the Viral World: The Case of Mimivirus. Angewandte Chemie - International Edition, 2021, 60, 19897-19904.	13.8	11
102	Structural determination of the O-deacetylated O-chain of lipopolysaccharide from Burkholderia (Pseudomonas) cepacia strain PVFi-5A. Carbohydrate Research, 1998, 307, 333-341.	2.3	10
103	The linkage between O-specific caryan and core region in the lipopolysaccharide of Burkholderia caryophylli is furnished by a primer monosaccharide. Carbohydrate Research, 2005, 340, 1802-1807.	2.3	10
104	Structural identification of the O-antigen fraction from the lipopolysaccharide of the Burkholderia ambifaria strain 19182. Carbohydrate Research, 2013, 379, 95-99.	2.3	10
105	Vibrio vulnificus MO6-24/O Lipopolysaccharide Stimulates Superoxide Anion, Thromboxane B2, Matrix Metalloproteinase-9, Cytokine and Chemokine Release by Rat Brain Microglia in Vitro. Marine Drugs, 2014, 12, 1732-1756.	4.6	10
106	Siglec-7 Mediates Immunomodulation by Colorectal Cancer-Associated Fusobacterium nucleatum ssp. animalis. Frontiers in Immunology, 2021, 12, 744184.	4.8	10
107	Chiral induction based on carbohydrate ligands in olefin platinum(0) complexes. Carbohydrate Research, 2002, 337, 651-656.	2.3	9
108	Elucidation of the O-chain structure from the lipopolysaccharide of Agrobacterium tumefaciens strain C58. Carbohydrate Research, 2003, 338, 1891-1894.	2.3	9

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109	Structural Determination of the O-Chain Moieties of the Lipopolysaccharide Fraction fromAgrobacterium radiobacter DSM 30147. European Journal of Organic Chemistry, 2004, 2004, 3842-3849.	2.4	9
110	Synthesis of a d-rhamnose branched tetrasaccharide, repeating unit of the O-chain from Pseudomonas syringae pv. Syringae (cerasi) 435. Carbohydrate Research, 2004, 339, 1907-1915.	2.3	9
111	BrÃ¸nsted acidity of ceric ammonium nitrate in anhydrous DMF. The role of salt and solvent in sucrose cleavage. Tetrahedron, 2006, 62, 2350-2356.	1.9	9
112	Absolute Configuration of 8-Amino-3,8-dideoxyoct-2-ulosonic Acid, the Chemical Hallmark of Lipopolysaccharides of the GenusShewanellaÂ§. Journal of Natural Products, 2007, 70, 1624-1627.	3.0	9
113	Occurrence and structure of cyclic Enterobacterial Common Antigen in Escherichia coli O157:Hâ˜. Carbohydrate Research, 2012, 363, 29-32.	2.3	9
114	Preparation and NMR characterization of glucosamine oligomers bearing an azide function using chitosan. Carbohydrate Polymers, 2012, 90, 847-852.	10.2	9
115	A Route to Oligosaccharide-Appended Salicylaldehydes: Useful Building Blocks for the Synthesis of Metalâ€“Salophen Complexes. Journal of Organic Chemistry, 2013, 78, 7962-7969.	3.2	9
116	Presence of Î²-glycosyl linkages in caryophyllan: the main polysaccharide from the Pseudomonas caryophylli LPS fraction. Carbohydrate Research, 1998, 307, 167-172.	2.3	8
117	The structure of the carbohydrate backbone of the lipooligosaccharide from an alkaliphilic Halomonas sp.. Carbohydrate Research, 2010, 345, 1971-1975.	2.3	8
118	Structure of the lipopolysaccharide isolated from the novel species Uruburuella suis. Carbohydrate Research, 2012, 357, 75-82.	2.3	8
119	Elucidation of the structure of the oligosaccharide from wild type Moraxella bovis Epp63 lipooligosaccharide. Carbohydrate Research, 2014, 388, 81-86.	2.3	8
120	Structural investigation of Ceratozamia spinosa mucilage. Carbohydrate Research, 1994, 260, 259-270.	2.3	7
121	Synthesis of the tetrasaccharide outer core fragment of Burkholderia multivorans lipooligosaccharide. Carbohydrate Research, 2015, 403, 182-191.	2.3	7
122	Structure of the Oâ€Antigen and the Lipidâ€…A from the Lipopolysaccharide of Fusobacterium nucleatum ATCC 51191. ChemBioChem, 2021, 22, 1252-1260.	2.6	7
123	Chlorovirus PBCV-1 Multidomain Protein A111/114R Has Three Glycosyltransferase Functions Involved in the Synthesis of Atypical N-Glycans. Viruses, 2021, 13, 87.	3.3	7
124	Giant viruses of theMegavirinaesubfamily possess biosynthetic pathways to produce rare bacterial-like sugars in a clade-specific manner. MicroLife, 2022, 3, .	2.1	7
125	Synthesis and NMR Characterisation of Methyl Mono- and Di-O-Î±-L-Rhamnopyranosyl-Î±-D-Glucopyranosiduronic Acids. Journal of Carbohydrate Chemistry, 1999, 18, 69-86.	1.1	6
126	Biopolymer Skeleton Produced by Rhizobium radiobacter: Stoichiometric Alternation of Glycosidic and Amidic Bonds in the Lipopolysaccharide Oâ€Antigen. Angewandte Chemie - International Edition, 2020, 59, 6368-6374.	13.8	6

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127	The Astounding World of Glycans from Giant Viruses. Chemical Reviews, 2022, 122, 15717-15766.	47.7	6
128	Structural Characterisation of the Core Oligosaccharides Isolated from the Lipooligosaccharide Fraction ofAgrobacterium tumefaciens A1. Chemistry - A European Journal, 2006, 12, 4668-4674.	3.3	5
129	Determination of the structure of the O-antigen and the lipid A from the entomopathogenic bacterium Pseudomonas entomophila lipopolysaccharide along with its immunological properties. Carbohydrate Research, 2015, 412, 20-27.	2.3	5
130	Structural analysis of a novel putative capsular polysaccharide from Pseudomonas (Burkholderia) caryophylli strain 2151. FEBS Journal, 2001, 259, 887-891.	0.2	4
131	Serotype O:8 isolates in the Yersinia pseudotuberculosis complex have different O-antigen gene clusters and produce various forms of rough LPS. Innate Immunity, 2016, 22, 205-217.	2.4	4
132	Aberrant sialylation in a patient with a HNF1Î± variant and liver adenomatosis. IScience, 2021, 24, 102323.	4.1	4
133	A novel capsular polysaccharide from Rhizobium rubi strain DSM 30149. Carbohydrate Research, 2008, 343, 1482-1485.	2.3	3
134	Rhizobium rubi^T: A Gramâ€Negative Phytopathogenic Bacterium Expressing the Lewis B Epitope on the Outer Core of its Lipooligosaccharide Fraction. ChemBioChem, 2008, 9, 1830-1835.	2.6	3
135	Biopolymer Skeleton Produced by Rhizobium radiobacter : Stoichiometric Alternation of Glycosidic and Amidic Bonds in the Lipopolysaccharide Oâ€Antigen. Angewandte Chemie, 2020, 132, 6430-6436.	2.0	3
136	Structural characterisation of the oligosaccharide from Moraxella bovoculi type strain 237 (ATCC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.3	3
137	Applicability of the Mosher MPTA-Ester Methodology to Monosaccharides. Journal of Carbohydrate Chemistry, 1998, 17, 987-992.	1.1	2
138	Conversion of yeast mannan polysaccharide in mannose oligosaccharides with a thiopropargyl linker at the pseudo-reducing end. Carbohydrate Research, 2014, 383, 43-49.	2.3	2
139	Biophysical Approaches to Solve the Structures of the Complex Glycan Shield of Chloroviruses. Advances in Experimental Medicine and Biology, 2018, 1104, 237-257.	1.6	2
140	Expanding the Occurrence of Polysaccharides to the Viral World: The Case of Mimivirus. Angewandte Chemie, 2021, 133, 20050-20057.	2.0	2
141	N-glycans from Paramecium bursaria chlorella virus MA-1D: Re-evaluation of the oligosaccharide common core structure. Glycobiology, 2022, 32, 260-273.	2.5	2
142	Peptidoglycan from Akkermansia muciniphila MucT: chemical structure and immunostimulatory properties of muropeptides. Glycobiology, 2022, 32, 712-719.	2.5	2
143	Lipopolysaccharides from three phytopathogenic pseudomonads. Phytochemistry, 1997, 46, 289-292.	2.9	1
144	Cyclic enterobacterial common antigens fromEscherichia coliO157 as microbe-associated molecular patterns. Canadian Journal of Microbiology, 2014, 60, 173-176.	1.7	1

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145	Structure and Conformation Study of the O-Antigen from the Lipopolysaccharide of Cupriavidus Metallidurans CH34. Polysaccharides, 2022, 3, 188-199.	4.8	0