Michelangelo Parrilli

List of Publications by Year
in descending order

233	5,896	81900	138484
papers	citations	39 h-index	58 g-index

249	249	249	4919
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Elicitation of Plant Innate Immunity by Lipooligosaccharide of Xanthomonas campestris. Journal of Biological Chemistry, 2005, 280, 33660-33668.	3.4	168
2	Glyco-conjugates as elicitors or suppressors of plant innate immunity. Glycobiology, 2010, 20, 406-419.	2.5	162
3	Exopolysaccharides from Marine and Marine Extremophilic Bacteria: Structures, Properties, Ecological Roles and Applications. Marine Drugs, 2018, 16, 69.	4.6	156
4	Microbe-Associated Molecular Patterns in Innate Immunity. Methods in Enzymology, 2010, 480, 89-115.	1.0	140
5	Invited review: Priming, induction and modulation of plant defence responses by bacterial lipopolysaccharides. Journal of Endotoxin Research, 2007, 13, 69-84.	2.5	138
6	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
7	A review of chemical methods for the selective sulfation and desulfation of polysaccharides. Carbohydrate Polymers, 2017, 174, 1224-1239.	10.2	89
8	Ammonium hydroxide hydrolysis. Journal of Lipid Research, 2002, 43, 2188-2195.	4.2	88
9	Covalently linked hopanoid-lipid A improves outer-membrane resistance of a Bradyrhizobium symbiont of legumes. Nature Communications, 2014, 5, 5106.	12.8	88
10	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
11	Structure-activity relationship of the exopolysaccharide from a psychrophilic bacterium: A strategy for cryoprotection. Carbohydrate Polymers, 2017, 156, 364-371.	10.2	83
12	A Unique Capsular Polysaccharide Structure from the Psychrophilic Marine Bacterium Colwellia psychrerythraea 34H That Mimics Antifreeze (Glyco)proteins. Journal of the American Chemical Society, 2015, 137, 179-189.	13.7	78
13	The polysaccharide and low molecular weight components of Opuntia ficus indica cladodes: Structure and skin repairing properties. Carbohydrate Polymers, 2017, 157, 128-136.	10.2	66
14	Î²-Glycosyl Azides as Substrates for Î±-Glycosynthases: Preparation of Efficient Î±-L-Fucosynthases. Chemistry and Biology, 2009, 16, 1097-1108.	6.0	65
15	New conditions for matrix-assisted laser desorption/ionization mass spectrometry of native bacterial R-type lipopolysaccharides. Rapid Communications in Mass Spectrometry, 2005, 19, 1829-1834.	1.5	64
16	The Complete Structure and Pro-inflammatory Activity of the Lipooligosaccharide of the Highly Epidemic and Virulent Gram-Negative BacteriumBurkholderia cenocepacia ET-12 (Strain J2315). Chemistry - A European Journal, 2007, 13, 3501-3511.	3.3	61
17	Lipopolysaccharide structures from Agrobacterium and Rhizobiaceae species. Carbohydrate Research, 2008, 343, 1924-1933.	2.3	61
18	A Microbiologicalâ€“Chemical Strategy to Produce Chondroitin Sulfate A,C. Angewandte Chemie - International Edition, 2011, 50, 6160-6163.	13.8	60

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19	Influence of Growth Temperature on Lipid and Phosphate Contents of Surface Polysaccharides from the Antarctic Bacterium Pseudoalteromonas haloplanktis TAC 125. Journal of Bacteriology, 2004, 186, 29-34.	2.2	59
20	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
21	Molecular Structure of Endotoxins from Gram-negative Marine Bacteria: An Update. Marine Drugs, 2007, 5, 85-112.	4.6	58
22	The Acylation and Phosphorylation Pattern of Lipid A from Xanthomonas Campestris Strongly Influence its Ability to Trigger the Innate Immune Response in Arabidopsis. ChemBioChem, 2008, 9, 896-904.	2.6	56
23	Complete structural characterization of the lipid A fraction of a clinical strain of B. cepacia genomovar I lipopolysaccharide. Glycobiology, 2005, 15, 561-570.	2.5	55
24	Composition of the coagulant polysaccharide fraction from Strychnos potatorum seeds. Carbohydrate Research, 1994, 263, 103-110.	2.3	54
25	Homoisoflavanones from Muscari comosum bulbs. Phytochemistry, 1985, 24, 2423-2426.	2.9	51
26	Determination of fatty acid positions in native lipid A by positive and negative electrospray ionization mass spectrometry. Journal of Mass Spectrometry, 2004, 39, 378-383.	1.6	51
27	Structural analysis of chondroitin sulfate from Scyliorhinus canicula: A useful source of this polysaccharide. Glycobiology, 2009, 19, 1485-1491.	2.5	51
28	Absolute configuration of homoisoflavanones from species. Tetrahedron, 1988, 44, 4981-4988.	1.9	49
29	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
30	Lipid A structure ofPseudoalteromonas haloplanktis TAC 125: use of electrospray ionization tandem mass spectrometry for the determination of fatty acid distribution. Journal of Mass Spectrometry, 2002, 37, 481-488.	1.6	47
31	Structural elucidation of the O-chain of the lipopolysaccharide from Xanthomonas campestris strain 8004. Carbohydrate Research, 2003, 338, 277-281.	2.3	47
32	Activation of Human Toll-like Receptor 4 (TLR4)Â·Myeloid Differentiation Factor 2 (MD-2) by Hypoacylated Lipopolysaccharide from a Clinical Isolate of Burkholderia cenocepacia. Journal of Biological Chemistry, 2015, 290, 21305-21319.	3.4	47
33	The ionic interaction of Klebsiella pneumoniae K2 capsule and core lipopolysaccharide. Microbiology (United Kingdom), 2006, 152, 1807-1818.	1.8	44
34	Reflectron MALDI TOF and MALDI TOF/TOF mass spectrometry reveal novel structural details of native lipooligosaccharides. Journal of Mass Spectrometry, 2011, 46, 1135-1142.	1.6	43
35	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
36	Ichthyotoxic sesquiterpenes and xanthanolides from Dittrichia graveolens. Phytochemistry, 1991, 30, 1121-1124.	2.9	40

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37	A multi-analytical approach to better assess the keratan sulfate contamination in animal origin chondroitin sulfate. Analytica Chimica Acta, 2017, 958, 59-70.	5.4	40
38	3-Benzyl-4-chromanones from Muscari comosum. Phytochemistry, 1984, 23, 2091-2093.	2.9	39
39	Caryose: a carbocyclic monosaccharide from Pseudomonas caryophylli. Carbohydrate Research, 1996, 284, 111-118.	2.3	39
40	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
41	Chemical Fucosylation of a Polysaccharide: A Semisynthetic Access to Fucosylated Chondroitin Sulfate. Biomacromolecules, 2015, 16, 2237-2245.	5.4	37
42	Three 3-benzyl-4-chromanones from Muscari comosum. Phytochemistry, 1985, 24, 624-626.	2.9	36
43	Homoisoflavanones from Muscari neglectum. Phytochemistry, 1988, 27, 921-923.	2.9	36
44	Terpenoid glycosides from Ophiopogon japonicus roots. Phytochemistry, 1990, 29, 1696-1699.	2.9	36
45	First Synthesis of the Î²-d-Rhamnosylated Trisaccharide Repeating Unit of theO-Antigen fromXanthomonascampestrispv.campestris8004. Journal of Organic Chemistry, 2005, 70, 8064-8070.	3.2	35
46	The structures of glycolipids isolated from the highly thermophilic bacterium Thermus thermophilus Samu-SA1. Glycobiology, 2006, 16, 766-775.	2.5	35
47	Ten homoisoflavanones from two Muscari species. Phytochemistry, 1986, 26, 285-290.	2.9	34
48	A novel 4-C-branched sugar from the lipopolysaccharide of the bacterium Pseudomonas caryophylli. Carbohydrate Research, 1995, 267, 307-311.	2.3	33
49	Analysis of the polysaccharide components of the lipopolysaccharide fraction of Pseudomonas caryophylli. Carbohydrate Research, 1996, 284, 119-133.	2.3	33
50	Phytotoxic extracellular polysaccharide fractions from Cryphonectria parasitica (Murr.) Barr strains. Carbohydrate Polymers, 1998, 37, 167-172.	10.2	33
51	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
52	Structural Investigation and Biological Activity of the Lipooligosaccharide from the Psychrophilic Bacterium Pseudoalteromonas haloplanktis TAB 23. Chemistry - A European Journal, 2011, 17, 7053-7060.	3.3	33
53	Synthetic and semi-synthetic chondroitin sulfate oligosaccharides, polysaccharides, and glycomimetics. Carbohydrate Research, 2012, 356, 75-85.	2.3	33
54	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

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55	Iodohydrins and iodohydrin esters. VI. A general procedure for the preparation of trans-1,2-iodocarboxylates. Tetrahedron Letters, 1976, 17, 3661-3662.	1.4	32
56	1H and13C chemical shift assignments of homoisoflavanones. Magnetic Resonance in Chemistry, 1986, 24, 663-666.	1.9	32
57	Highly Phosphorylated Core Oligosaccaride Structures from Coldâ€Adapted Psychromonas arctica. Chemistry - A European Journal, 2008, 14, 9368-9376.	3.3	32
58	Homoisoflavanones from Chionodoxa luciliae. Phytochemistry, 1992, 31, 1395-1397.	2.9	31
59	Structural investigation on the lipooligosaccharide fraction of psychrophilic Pseudoalteromonas haloplanktis TAC 125 bacterium. FEBS Journal, 2001, 268, 5092-5097.	0.2	31
60	Structure Elucidation of the Highly Heterogeneous Lipid A from the Lipopolysaccharide of the Gram-Negative Extremophile BacteriumHalomonas Magadiensis Strain 21 M1. European Journal of Organic Chemistry, 2004, 2004, 2263-2271.	2.4	31
61	A Second Galacturonic Acid Transferase Is Required for Core Lipopolysaccharide Biosynthesis and Complete Capsule Association with the Cell Surface in Klebsiella pneumoniae. Journal of Bacteriology, 2007, 189, 1128-1137.	2.2	31
62	The relative and absolute configurations of stereocenters in caryophyllose. Carbohydrate Research, 1995, 274, 223-232.	2.3	30
63	The structure and proinflammatory activity of the lipopolysaccharide fromÂBurkholderiaÂmultivoransÂandÂthe differences between clonal strains colonizingÂpreÂandÂposttransplantedÂlungs. Glycobiology, 2008, 18, 871-881.	2.5	30
64	Highâ€performance CE of Escherichia coli K4 cell surface polysaccharides. Electrophoresis, 2009, 30, 3877-3883.	2.4	30
65	Persistent cystic fibrosis isolate Pseudomonas aeruginosa strain RP73 exhibits an under-acylated LPS structure responsible of its low inflammatory activity. Molecular Immunology, 2015, 63, 166-175.	2.2	30
66	Homoisoflavanones from Bellevalia romana. Phytochemistry, 1989, 28, 3244-3246.	2.9	29
67	A bianthrone C-glycoside from Asphodelus ramosus tubers. Phytochemistry, 1989, 28, 284-288.	2.9	29
68	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
69	Structure of the Ironâ€Binding Exopolysaccharide Produced Anaerobically by the Gramâ€Negative Bacterium Klebsiella oxytoca BAS†10. European Journal of Organic Chemistry, 2007, 2007, 5183-5189.	2.4	29
70	Full structural characterization of the lipid A components from the Agrobacterium tumefaciens strain C58 lipopolysaccharide fraction. Glycobiology, 2004, 14, 805-815.	2.5	28
71	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
72	A new class of anthraquinone-anthrone-C-glycosides from asphodelus ramosus tubers.. Tetrahedron, 1991, 47, 4435-4440.	1.9	26

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73	A novel type of highly negatively charged lipooligosaccharide from Pseudomonas stutzeri OX1 possessing two 4,6-O-(1-carboxy)-ethylidene residues in the outer core region. FEBS Journal, 2004, 271, 2691-2704.	0.2	26
74	Structural Studies of the Oâ€Chain Polysaccharide from Plesiomonas shigelloides Strain 302â€“73 (Serotype O1). European Journal of Organic Chemistry, 2008, 2008, 3149-3155.	2.4	26
75	The Structures of Lipopolysaccharides from Plantâ€Associated Gramâ€Negative Bacteria. European Journal of Organic Chemistry, 2009, 2009, 5887-5896.	2.4	26
76	Structural characterization of an all-aminosugar-containing capsular polysaccharide from Colwellia psychrerythraea 34H. Antonie Van Leeuwenhoek, 2017, 110, 1377-1387.	1.7	26
77	Full Structural Characterisation of the Lipooligosaccharide of aBurkholderiapyrrocinia Clinical Isolate. European Journal of Organic Chemistry, 2006, 2006, 4874-4883.	2.4	25
78	Detailed characterization of the lipid A fraction from the nonpathogen Acinetobacter radioresistens strain S13. Journal of Lipid Research, 2007, 48, 1045-1051.	4.2	25
79	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
80	Structural investigation of the antagonist LPS from the cyanobacterium Oscillatoria planktothrix FP1. Carbohydrate Research, 2014, 388, 73-80.	2.3	25
81	Lipopolysaccharides. , 2010, , 133-153.		25
82	Structure determination of an exopolysaccharide from an alkaliphilic bacterium closely related to Bacillus spp.. FEBS Journal, 1999, 264, 554-561.	0.2	24
83	Oligomerization of a rhamnanic trisaccharide repeating unit of O-chain polysaccharides from phytopathogenic bacteria. Tetrahedron Letters, 2002, 43, 8879-8882.	1.4	24
84	The behaviour of deoxyhexose trihaloacetimidates in selected glycosylations. Carbohydrate Research, 2007, 342, 1021-1029.	2.3	24
85	The complete structure of the core of the LPS from Plesiomonas shigelloides 302â€“73 and the identification of its O-antigen biological repeating unit. Carbohydrate Research, 2010, 345, 2523-2528.	2.3	24
86	A Unique Bicyclic Monosaccharide from the Bradyrhizobium Lipopolysaccharide and Its Role in the Molecular Interaction with Plants. Angewandte Chemie - International Edition, 2011, 50, 12610-12612.	13.8	24
87	A Modular Approach to a Library of Semiâ€Synthetic Fucosylated Chondroitin Sulfate Polysaccharides with Different Sulfation and Fucosylation Patterns. Chemistry - A European Journal, 2016, 22, 18215-18226.	3.3	24
88	Two endoperoxide diterpenes from elodea canadensis. Tetrahedron Letters, 1987, 28, 4609-4610.	1.4	22
89	A Versatile Strategy for the Synthesis of N-Acetyl-bacillosamine-Containing Disaccharide Building Blocks Related to Bacterial O-Antigens. Synlett, 2006, 2006, 825-830.	1.8	22
90	The complete structure of the lipooligosaccharide from the halophilic bacterium Pseudoalteromonas issachenkonii KMM 3549T. Carbohydrate Research, 2004, 339, 1985-1993.	2.3	21

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91	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
92	Complete Lipooligosaccharide Structure of the Clinical Isolate Acinetobacter baumannii, Strain SMAL. European Journal of Organic Chemistry, 2010, 2010, 1345-1352.	2.4	21
93	Glycosides from Muscari armeniacum and Muscari botryoides. Isolation and structure of Muscarosides Gâ€“N. Canadian Journal of Chemistry, 1988, 66, 2787-2793.	1.1	20
94	Bianthrone -glycosides. 2. Three new compounds from tubers. Tetrahedron, 1990, 46, 1287-1294.	1.9	20
95	Structural determination of lipid A of the lipopolysaccharide from Pseudomonas reactans. FEBS Journal, 2002, 269, 2498-2505.	0.2	20
96	Complete Structural Elucidation of a Novel Lipooligosaccharide from the Outer Membrane of the Marine BacteriumShewanella pacifica. European Journal of Organic Chemistry, 2005, 2005, 2281-2291.	2.4	20
97	Structural elucidation of the core-lipid A backbone from the lipopolysaccharide of Acinetobacter radioresistens S13, an organic solvent tolerant Gram-negative bacterium. Carbohydrate Research, 2006, 341, 582-590.	2.3	20
98	A new, improved synthesis of the trisaccharide repeating unit of the O-antigen from Xanthomonas campestris pv. campestris 8004. Tetrahedron, 2008, 64, 3381-3391.	1.9	20
99	Thermophiles as Potential Source of Novel Endotoxin Antagonists: the Full Structure and Bioactivity of theLipoâ€oligosaccharide from Thermomonas hydrothermalis. ChemBioChem, 2014, 15, 2146-2155.	2.6	20
100	Structural Investigation of the Oligosaccharide Portion Isolated from the Lipooligosaccharide of the Permafrost Psychrophile Psychrobacter arcticus 273-4. Marine Drugs, 2015, 13, 4539-4555.	4.6	20
101	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
102	Structural characterization of the carbohydrate backbone of the lipooligosaccharide of the marine bacterium Arenibacter certesii strain KMM 3941T. Carbohydrate Research, 2005, 340, 2540-2549.	2.3	19
103	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
104	Structural Study and Conformational Behavior of the Two Different Lipopolysaccharide Oâ€Antigens Produced by the Cystic Fibrosis Pathogen Burkholderia multivorans. Chemistry - A European Journal, 2009, 15, 7156-7166.	3.3	19
105	Structure of the Core Region from the Lipopolysaccharide of Plesiomonas shigelloides Strain 302â€73 (Serotype O1). European Journal of Organic Chemistry, 2009, 2009, 1365-1371.	2.4	19
106	Biotechnological transformation of hydrocortisone to 16Î±-hydroxy hydrocortisone by Streptomyces roseochromogenes. Applied Microbiology and Biotechnology, 2014, 98, 1291-1299.	3.6	19
107	Structural Determination of the O-Chain Polysaccharide from the Lipopolysaccharide of the HaloalkaliphilicHalomonas pantelleriensis Bacterium. European Journal of Organic Chemistry, 2006, 2006, 1801-1808.	2.4	18
108	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

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109	Structural determination of the complex exopolysaccharide from the virulent strain of Cryphonectria parasitica. Carbohydrate Research, 2002, 337, 1707-1713.	2.3	17
110	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
111	The biofilm matrix of Pseudomonas sp. OX1 grown on phenol is mainly constituted by alginate oligosaccharides. Carbohydrate Research, 2006, 341, 2456-2461.	2.3	17
112	The O-specific polysaccharide structure and biosynthetic gene cluster of Yersinia pseudotuberculosis serotype O:11. Carbohydrate Research, 2009, 344, 1533-1540.	2.3	17
113	Bacterial Lipopolysaccharides in Plant and Mammalian Innate Immunity. Protein and Peptide Letters, 2012, 19, 1040-1044.	0.9	17
114	Reaction of dopamine with d-glyceraldehyde under biomimetic conditions: stereoselective formation of tetrahydroisoquinolines and rate-accelerating effects of transition metal ions. Bioorganic and Medicinal Chemistry, 1999, 7, 2525-2530.	3.0	16
115	Structural determination of the O-chain polysaccharide from Agrobacterium tumefaciens , strain DSMâ€ƒ30205. FEBS Journal, 2002, 269, 2885-2888.	0.2	16
116	O-Specific chain structure from the lipopolysaccharide fraction of Pseudomonas reactans: a pathogen of the cultivated mushrooms. Carbohydrate Research, 2002, 337, 467-471.	2.3	16
117	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
118	Observed and calculated1H- and13C-NMR chemical shifts of substituted 5H-pyrido[3,2-a]- and 5H-pyrido[2,3-a]phenoxazin-5-ones and of some 3H-phenoxazin-3-one derivatives. Organic and Biomolecular Chemistry, 2004, 2, 1577-1581.	2.8	16
119	Structural Analysis of the Deep Rough Lipopolysaccharide from Gram Negative BacteriumAlteromonas macleodii ATCC 27126T: The First Finding of Î²-Kdo in the Inner Core of Lipopolysaccharides. European Journal of Organic Chemistry, 2006, 2006, 4710-4716.	2.4	16
120	Agrobacterium rubiTDSM 6772 Produces a Lipophilic Polysaccharide Capsule whose Degree of Acetylation is Growth Modulated. Biomacromolecules, 2007, 8, 1047-1051.	5.4	16
121	The O-specific polysaccharide structure from the lipopolysaccharide of the Gram-negative bacterium Raoultella terrigena. Carbohydrate Research, 2007, 342, 1514-1518.	2.3	16
122	First structural characterization of Burkholderia vietnamiensis lipooligosaccharide from cystic fibrosis-associated lung transplantation strains. Glycobiology, 2009, 19, 1214-1223.	2.5	16
123	Synthesis of a Î²-GlcN-(1â†'4)-MurNAc building block en route to N-deacetylated peptidoglycan fragments. Tetrahedron Letters, 2010, 51, 1117-1120.	1.4	16
124	The lipid A of Burkholderia multivorans C1576 smooth-type lipopolysaccharide and its pro-inflammatory activity in a cystic fibrosis airways model. Innate Immunity, 2010, 16, 354-365.	2.4	16
125	Structural Characterization of the Core Oligosaccharide Isolated from the LipoÂpolysaccharide of the Psychrophilic Bacterium Colwellia psychrerythraea Strain 34H. European Journal of Organic Chemistry, 2013, 2013, 3771-3779.	2.4	16
126	Structural Determination of the O-Specific Chain of the Lipopolysaccharide fromPseudomonas cichorii. European Journal of Organic Chemistry, 2002, 2002, 1770-1775.	2.4	15

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127	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
128	The structure of the phosphorylated carbohydrate backbone of the lipopolysaccharide of the phytopathogen bacterium Pseudomonas tolaasii. Carbohydrate Research, 2004, 339, 2241-2248.	2.3	15
129	First synthesis of an Î±-d-Fucp3NAc containing oligosaccharide: a study on d-Fucp3NAc glycosylation. Tetrahedron, 2005, 61, 5439-5448.	1.9	15
130	The O-chain structure from the LPS of the endophytic bacterium Burkholderia cepacia strain ASP B 2D. Carbohydrate Research, 2006, 341, 2954-2958.	2.3	15
131	Full Structural Characterization of an Extracellular Polysaccharide Produced by the Freshwater Cyanobacterium Oscillatoria planktothrix FP1. European Journal of Organic Chemistry, 2010, 2010, 5594-5600.	2.4	15
132	Inter vs. intraglycosidic acetal linkages control sulfation pattern in semi-synthetic chondroitin sulfate. Carbohydrate Polymers, 2014, 112, 546-555.	10.2	15
133	Lipopolysaccharides as Microbe-associated Molecular Patterns: A Structural Perspective. RSC Drug Discovery Series, 2015, , 38-63.	0.3	15
134	Structure elucidation of the O-chain from the major lipopolysaccharide of the Xanthomonas campestris strain 642. Carbohydrate Research, 2000, 325, 222-229.	2.3	14
135	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
136	Determination of the Structure of the Lipid A Fraction from the Lipopolysaccharide of Pseudomonas Cichorii by Means of NMR and MALDI-TOF Mass Spectrometry. European Journal of Organic Chemistry, 2002, 2002, 3119-3125.	2.4	14
137	The O-chain structure from the LPS of marine halophilic bacterium Pseudoalteromonas carrageenovora-type strain IAM 12662T. Carbohydrate Research, 2005, 340, 2693-2697.	2.3	14
138	The Incorporation of Glucosamine into Enterobacterial Core Lipopolysaccharide. Journal of Biological Chemistry, 2005, 280, 36648-36656.	3.4	14
139	Structural Characterization of the Core Region of the Lipopolysaccharide from the HaloalkaliphilicHalomonas pantelleriensis: Identification of the Biological O-Antigen Repeating Unit. European Journal of Organic Chemistry, 2008, 2008, 721-728.	2.4	14
140	Structural determination of the O-chain polysaccharide from the haloalkaliphilic Halomonas alkaliantarctica bacterium strain CRSS. Carbohydrate Research, 2009, 344, 2051-2055.	2.3	14
141	Structural determination of the O-specific chain of the lipopolysaccharide from the mushrooms pathogenic bacterium Pseudomonas tolaasii. Carbohydrate Research, 2003, 338, 1251-1257.	2.3	13
142	The structure of the O-polysaccharide from Pseudomonas stutzeri OX1 containing two different 4-acylamido-4,6-dideoxy-residues, tomosamine and perosamine. Carbohydrate Research, 2005, 340, 651-656.	2.3	13
143	The complete structure of the core carbohydrate backbone from the LPS of marine halophilic bacterium Pseudoalteromonas carrageenovora type strain IAM 12662T. Carbohydrate Research, 2005, 340, 1475-1482.	2.3	13
144	Synthetic oligorhamnans related to the most common O-chain backbone from phytopathogenic bacteria. Tetrahedron, 2006, 62, 8474-8483.	1.9	13

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145	The structure of the O-specific polysaccharide from the lipopolysaccharide of Burkholderia anthina. Carbohydrate Research, 2009, 344, 1697-1700.	2.3	13
146	Structural characterization of two lipopolysaccharide O-antigens produced by the endofungal bacterium Burkholderia sp. HKI-402 (B4). Carbohydrate Research, 2012, 347, 95-98.	2.3	13
147	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
148	Isolation and characterisation of the lipopolysaccharide fromXanthomonas hortorumpv.vitians. FEMS Microbiology Letters, 1999, 181, 49-53.	1.8	12
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