

# Michelangelo Parrilli

## List of Publications by Citations

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#	Paper	IF	Citations
236	The elicitation of plant innate immunity by lipooligosaccharide of <i>Xanthomonas campestris</i> . <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 33660-8	5.4	145
235	Glyco-conjugates as elicitors or suppressors of plant innate immunity. <i>Glycobiology</i> , <b>2010</b> , 20, 406-19	5.8	141
234	Priming, induction and modulation of plant defence responses by bacterial lipopolysaccharides. <i>Journal of Endotoxin Research</i> , <b>2007</b> , 13, 69-84		121
233	Microbe-associated molecular patterns in innate immunity: Extraction and chemical analysis of gram-negative bacterial lipopolysaccharides. <i>Methods in Enzymology</i> , <b>2010</b> , 480, 89-115	1.7	113
232	Peptidoglycan and mucopeptides from pathogens <i>Agrobacterium</i> and <i>Xanthomonas</i> elicit plant innate immunity: structure and activity. <i>Chemistry and Biology</i> , <b>2008</b> , 15, 438-48		113
231	Exopolysaccharides from Marine and Marine Extremophilic Bacteria: Structures, Properties, Ecological Roles and Applications. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	83
230	Structure-dependent modulation of a pathogen response in plants by synthetic O-antigen polysaccharides. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 2414-6	16.4	79
229	Ammonium hydroxide hydrolysis: a valuable support in the MALDI-TOF mass spectrometry analysis of Lipid A fatty acid distribution. <i>Journal of Lipid Research</i> , <b>2002</b> , 43, 2188-95	6.3	73
228	Covalently linked hopanoid-lipid A improves outer-membrane resistance of a <i>Bradyrhizobium</i> symbiont of legumes. <i>Nature Communications</i> , <b>2014</b> , 5, 5106	17.4	67
227	A review of chemical methods for the selective sulfation and desulfation of polysaccharides. <i>Carbohydrate Polymers</i> , <b>2017</b> , 174, 1224-1239	10.3	61
226	The complete structure and pro-inflammatory activity of the lipooligosaccharide of the highly epidemic and virulent gram-negative bacterium <i>Burkholderia cenocepacia</i> ET-12 (strain J2315). <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 3501-11	4.8	60
225	New conditions for matrix-assisted laser desorption/ionization mass spectrometry of native bacterial R-type lipopolysaccharides. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 1829-34	2.2	59
224	Structure-activity relationship of the exopolysaccharide from a psychrophilic bacterium: A strategy for cryoprotection. <i>Carbohydrate Polymers</i> , <b>2017</b> , 156, 364-371	10.3	55
223	A unique capsular polysaccharide structure from the psychrophilic marine bacterium <i>Colwellia psychrerythraea</i> 34H that mimics antifreeze (glyco)proteins. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 179-89	16.4	55
222	Lipopolysaccharide structures from <i>Agrobacterium</i> and <i>Rhizobiaceae</i> species. <i>Carbohydrate Research</i> , <b>2008</b> , 343, 1924-33	2.9	55
221	beta-Glycosyl azides as substrates for alpha-glycosynthases: preparation of efficient alpha-L-fucosynthases. <i>Chemistry and Biology</i> , <b>2009</b> , 16, 1097-108		54
220	Complete structural characterization of the lipid A fraction of a clinical strain of <i>B. cepacia</i> genomovar I lipopolysaccharide. <i>Glycobiology</i> , <b>2005</b> , 15, 561-70	5.8	53

219	A microbiological-chemical strategy to produce chondroitin sulfate A,C. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 6160-3	16.4	52
218	Influence of growth temperature on lipid and phosphate contents of surface polysaccharides from the antarctic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC 125. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 29-34	3.5	52
217	The acylation and phosphorylation pattern of lipid A from <i>Xanthomonas campestris</i> strongly influence its ability to trigger the innate immune response in <i>Arabidopsis</i> . <i>ChemBioChem</i> , <b>2008</b> , 9, 896-904	3.8	49
216	Composition of the coagulant polysaccharide fraction from <i>Strychnos potatorum</i> seeds. <i>Carbohydrate Research</i> , <b>1994</b> , 263, 103-10	2.9	46
215	Absolute configuration of homoisoflavanones from species. <i>Tetrahedron</i> , <b>1988</b> , 44, 4981-4988	2.4	46
214	The polysaccharide and low molecular weight components of <i>Opuntia ficus indica</i> cladodes: Structure and skin repairing properties. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 128-136	10.3	45
213	<sup>1</sup> H and <sup>13</sup> C NMR characterization and secondary structure of the K2 polysaccharide of <i>Klebsiella pneumoniae</i> strain 52145. <i>Carbohydrate Research</i> , <b>2005</b> , 340, 2212-7	2.9	45
212	Structural analysis of chondroitin sulfate from <i>Scyliorhinus canicula</i> : a useful source of this polysaccharide. <i>Glycobiology</i> , <b>2009</b> , 19, 1485-91	5.8	44
211	Molecular structure of endotoxins from Gram-negative marine bacteria: an update. <i>Marine Drugs</i> , <b>2007</b> , 5, 85-112	6	44
210	Determination of fatty acid positions in native lipid A by positive and negative electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2004</b> , 39, 378-83	2.2	43
209	Homoisoflavanones from <i>Muscari comosum</i> bulbs. <i>Phytochemistry</i> , <b>1985</b> , 24, 2423-2426	4	42
208	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> , <b>2013</b> , 110, 13956-60	11.5	41
207	Reflectron MALDI TOF and MALDI TOF/TOF mass spectrometry reveal novel structural details of native lipooligosaccharides. <i>Journal of Mass Spectrometry</i> , <b>2011</b> , 46, 1135-42	2.2	40
206	Structural elucidation of the O-chain of the lipopolysaccharide from <i>Xanthomonas campestris</i> strain 8004. <i>Carbohydrate Research</i> , <b>2003</b> , 338, 277-81	2.9	40
205	The ionic interaction of <i>Klebsiella pneumoniae</i> K2 capsule and core lipopolysaccharide. <i>Microbiology (United Kingdom)</i> , <b>2006</b> , 152, 1807-1818	2.9	38
204	Lipid A structure of <i>Pseudoalteromonas haloplanktis</i> TAC 125: use of electrospray ionization tandem mass spectrometry for the determination of fatty acid distribution. <i>Journal of Mass Spectrometry</i> , <b>2002</b> , 37, 481-8	2.2	38
203	Activation of Human Toll-like Receptor 4 (TLR4) by Myeloid Differentiation Factor 2 (MD-2) by Hypoacylated Lipopolysaccharide from a Clinical Isolate of <i>Burkholderia cenocepacia</i> . <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 21305-19	5.4	36
202	Chemical Fucosylation of a Polysaccharide: A Semisynthetic Access to Fucosylated Chondroitin Sulfate. <i>Biomacromolecules</i> , <b>2015</b> , 16, 2237-45	6.9	35

201	Identification and structural determination of the capsular polysaccharides from two <i>Acinetobacter baumannii</i> clinical isolates, MG1 and SMAL. <i>Carbohydrate Research</i> , <b>2011</b> , 346, 973-7	2.9	35
200	Chemical structure of two phytotoxic exopolysaccharides produced by <i>Phomopsis foeniculi</i> . <i>Carbohydrate Research</i> , <b>1998</b> , 308, 349-57	2.9	35
199	Caryose: a carbocyclic monosaccharide from <i>Pseudomonas caryophylli</i> . <i>Carbohydrate Research</i> , <b>1996</b> , 284, 111-118	2.9	35
198	Ichthyotoxic sesquiterpenes and xanthanolides from <i>Dittrichia graveolens</i> . <i>Phytochemistry</i> , <b>1991</b> , 30, 1121-1124	4	35
197	Lipopolysaccharides possessing two L-glycero-D-manno-heptopyranosyl-alpha-(1-->5)-3-deoxy-D-manno-oct-2-ulopyranosonic acid moieties in the core region. The structure of the core region of the lipopolysaccharides from <i>Burkholderia caryophylli</i> . <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 10058-63	5.4	33
196	Terpenoid glycosides from <i>Ophiopogon japonicus</i> roots. <i>Phytochemistry</i> , <b>1990</b> , 29, 1696-1699	4	32
195	3-Benzyl-4-chromanones from <i>Muscari comosum</i> . <i>Phytochemistry</i> , <b>1984</b> , 23, 2091-2093	4	32
194	The structures of glycolipids isolated from the highly thermophilic bacterium <i>Thermus thermophilus</i> Samu-SA1. <i>Glycobiology</i> , <b>2006</b> , 16, 766-75	5.8	31
193	Analysis of the polysaccharide components of the lipopolysaccharide fraction of <i>Pseudomonas caryophylli</i> . <i>Carbohydrate Research</i> , <b>1996</b> , 284, 119-133	2.9	31
192	Homoisoflavanones from <i>Muscari neglectum</i> . <i>Phytochemistry</i> , <b>1988</b> , 27, 921-923	4	31
191	Three 3-benzyl-4-chromanones from <i>Muscari comosum</i> . <i>Phytochemistry</i> , <b>1985</b> , 24, 624-626	4	31
190	A multi-analytical approach to better assess the keratan sulfate contamination in animal origin chondroitin sulfate. <i>Analytica Chimica Acta</i> , <b>2017</b> , 958, 59-70	6.6	30
189	Synthetic and semi-synthetic chondroitin sulfate oligosaccharides, polysaccharides, and glycomimetics. <i>Carbohydrate Research</i> , <b>2012</b> , 356, 75-85	2.9	30
188	Phytotoxic extracellular polysaccharide fractions from <i>Cryphonectria parasitica</i> (Murr.) Barr strains. <i>Carbohydrate Polymers</i> , <b>1998</b> , 37, 167-172	10.3	30
187	Highly phosphorylated core oligosaccharide structures from cold-adapted <i>Psychromonas arctica</i> . <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 9368-76	4.8	30
186	<sup>1</sup> H and <sup>13</sup> C chemical shift assignments of homoisoflavanones. <i>Magnetic Resonance in Chemistry</i> , <b>1986</b> , 24, 663-666	2.1	30
185	Structural investigation and biological activity of the lipooligosaccharide from the psychrophilic bacterium <i>Pseudoalteromonas haloplanktis</i> TAB 23. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 7053-60	4.8	29
184	The structure and proinflammatory activity of the lipopolysaccharide from <i>Burkholderia multivorans</i> and the differences between clonal strains colonizing pre and posttransplanted lungs. <i>Glycobiology</i> , <b>2008</b> , 18, 871-81	5.8	29

183	Structure Elucidation of the Highly Heterogeneous Lipid A from the Lipopolysaccharide of the Gram-Negative Extremophile Bacterium Halomonas Magadiensis Strain 21 M1. <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 2263-2271	3.2	29
182	Structural investigation on the lipooligosaccharide fraction of psychrophilic Pseudoalteromonas haloplanktis TAC 125 bacterium. <i>FEBS Journal</i> , <b>2001</b> , 268, 5092-7		29
181	Ten homoisoflavanones from two Muscari species. <i>Phytochemistry</i> , <b>1986</b> , 26, 285-290	4	29
180	First synthesis of the beta-D-rhamnosylated trisaccharide repeating unit of the O-antigen from Xanthomonas campestris pv. campestris 8004. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 8064-70	4.2	28
179	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. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 1542-8	4.8	28
178	Homoisoflavanones from Bellevalia romana. <i>Phytochemistry</i> , <b>1989</b> , 28, 3244-3246	4	28
177	Semi-synthesis of unusual chondroitin sulfate polysaccharides containing GlcA(3-O-sulfate) or GlcA(2,3-di-O-sulfate) units. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 2123-30	4.8	27
176	Full structural characterization of the lipid A components from the Agrobacterium tumefaciens strain C58 lipopolysaccharide fraction. <i>Glycobiology</i> , <b>2004</b> , 14, 805-15	5.8	27
175	A novel 4-C-branched sugar from the lipopolysaccharide of the bacterium Pseudomonas caryophylli. <i>Carbohydrate Research</i> , <b>1995</b> , 267, 307-311	2.9	27
174	The relative and absolute configurations of stereocenters in caryophyllose. <i>Carbohydrate Research</i> , <b>1995</b> , 274, 223-232	2.9	27
173	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> , <b>2012</b> , 19, 254-63		26
172	Structure of the Iron-Binding Exopolysaccharide Produced Anaerobically by the Gram-Negative Bacterium Klebsiella oxytoca BAS-10. <i>European Journal of Organic Chemistry</i> , <b>2007</b> , 2007, 5183-5189	3.2	25
171	Detailed characterization of the lipid A fraction from the nonpathogen Acinetobacter radioresistens strain S13. <i>Journal of Lipid Research</i> , <b>2007</b> , 48, 1045-51	6.3	25
170	A second galacturonic acid transferase is required for core lipopolysaccharide biosynthesis and complete capsule association with the cell surface in Klebsiella pneumoniae. <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 1128-37	3.5	25
169	Homoisoflavanones from Chionodoxa luciliae. <i>Phytochemistry</i> , <b>1992</b> , 31, 1395-1397	4	25
168	Insights on the conformational properties of hyaluronic acid by using NMR residual dipolar couplings and MD simulations. <i>Glycobiology</i> , <b>2010</b> , 20, 1208-16	5.8	24
167	High-performance CE of Escherichia coli K4 cell surface polysaccharides. <i>Electrophoresis</i> , <b>2009</b> , 30, 3877-3886	3.6	24
166	Full Structural Characterisation of the Lipooligosaccharide of a Burkholderia pyrrocinia Clinical Isolate. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 4874-4883	3.2	24

165	A novel type of highly negatively charged lipooligosaccharide from <i>Pseudomonas stutzeri</i> OX1 possessing two 4,6-O-(1-carboxy)-ethylidene residues in the outer core region. <i>FEBS Journal</i> , <b>2004</b> , 271, 2691-704		24
164	Lipopolysaccharides <b>2010</b> , 133-153		24
163	Structural investigation of the antagonist LPS from the cyanobacterium <i>Oscillatoria planktothrix</i> FP1. <i>Carbohydrate Research</i> , <b>2014</b> , 388, 73-80	2.9	23
162	The behaviour of deoxyhexose trihaloacetimidates in selected glycosylations. <i>Carbohydrate Research</i> , <b>2007</b> , 342, 1021-9	2.9	23
161	Structural Studies of the O-Chain Polysaccharide from <i>Plesiomonas shigelloides</i> Strain 30273 (Serotype O1). <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 3149-3155	3.2	23
160	Oligomerization of a rhamnanic trisaccharide repeating unit of O-chain polysaccharides from phytopathogenic bacteria. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 8879-8882	2	23
159	Iodohydrins and iodohydrin esters. VI. A general procedure for the preparation of trans-1,2-iodocarboxylates. <i>Tetrahedron Letters</i> , <b>1976</b> , 17, 3661-3662	2	23
158	A Modular Approach to a Library of Semi-Synthetic Fucosylated Chondroitin Sulfate Polysaccharides with Different Sulfation and Fucosylation Patterns. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 18215-18226	4.8	22
157	The complete structure of the core of the LPS from <i>Plesiomonas shigelloides</i> 302-73 and the identification of its O-antigen biological repeating unit. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 2523-8	2.9	22
156	A bianthrone C-glycoside from <i>Asphodelus ramosus</i> tubers. <i>Phytochemistry</i> , <b>1989</b> , 28, 284-288	4	22
155	The Structures of Lipopolysaccharides from Plant-Associated Gram-Negative Bacteria. <i>European Journal of Organic Chemistry</i> , <b>2009</b> , 2009, 5887-5896	3.2	21
154	Structure determination of an exopolysaccharide from an alkaliphilic bacterium closely related to <i>Bacillus</i> spp. <i>FEBS Journal</i> , <b>1999</b> , 264, 554-61		21
153	Persistent cystic fibrosis isolate <i>Pseudomonas aeruginosa</i> strain RP73 exhibits an under-acylated LPS structure responsible of its low inflammatory activity. <i>Molecular Immunology</i> , <b>2015</b> , 63, 166-75	4.3	20
152	Structural characterization of an all-aminosugar-containing capsular polysaccharide from <i>Colwellia psychrerythraea</i> 34H. <i>Antonie Van Leeuwenhoek</i> , <b>2017</b> , 110, 1377-1387	2.1	20
151	A unique bicyclic monosaccharide from the <i>Bradyrhizobium</i> lipopolysaccharide and its role in the molecular interaction with plants. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 12610-2	16.4	20
150	The complete structure of the lipooligosaccharide from the halophilic bacterium <i>Pseudoalteromonas issachenkonii</i> KMM 3549T. <i>Carbohydrate Research</i> , <b>2004</b> , 339, 1985-93	2.9	20
149	Two endoperoxide diterpenes from <i>elodea canadensis</i> . <i>Tetrahedron Letters</i> , <b>1987</b> , 28, 4609-4610	2	20
148	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> , <b>2008</b> , 43, 478-84	2.2	19

147	A Versatile Strategy for the Synthesis of N-Acetyl-bacillosamine-Containing Disaccharide Building Blocks Related to Bacterial O-Antigens. <i>Synlett</i> , <b>2006</b> , 2006, 825-830	2.2	19
146	Structural characterization of the carbohydrate backbone of the lipooligosaccharide of the marine bacterium <i>Arenibacter certesii</i> strain KMM 3941(T). <i>Carbohydrate Research</i> , <b>2005</b> , 340, 2540-9	2.9	19
145	Complete Structural Elucidation of a Novel Lipooligosaccharide from the Outer Membrane of the Marine Bacterium <i>Shewanella pacifica</i> . <i>European Journal of Organic Chemistry</i> , <b>2005</b> , 2005, 2281-2291	3.2	19
144	A new class of anthraquinone-anthrone-C-glycosides from <i>asphodelus ramosus</i> tubers.. <i>Tetrahedron</i> , <b>1991</b> , 47, 4435-4440	2.4	19
143	Structural study and conformational behavior of the two different lipopolysaccharide O-antigens produced by the cystic fibrosis pathogen <i>Burkholderia multivorans</i> . <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 7156-66	4.8	18
142	Full structural characterization of <i>Shigella flexneri</i> M90T serotype 5 wild-type R-LPS and its delta galU mutant: glycine residue location in the inner core of the lipopolysaccharide. <i>Glycobiology</i> , <b>2008</b> , 18, 260-9	5.8	18
141	Structural Investigation of the Oligosaccharide Portion Isolated from the Lipooligosaccharide of the Permafrost Psychrophile <i>Psychrobacter arcticus</i> 273-4. <i>Marine Drugs</i> , <b>2015</b> , 13, 4539-55	6	17
140	A new, improved synthesis of the trisaccharide repeating unit of the O-antigen from <i>Xanthomonas campestris</i> pv. <i>campestris</i> 8004. <i>Tetrahedron</i> , <b>2008</b> , 64, 3381-3391	2.4	17
139	Structural elucidation of the core-lipid A backbone from the lipopolysaccharide of <i>Acinetobacter radioresistens</i> S13, an organic solvent tolerant Gram-negative bacterium. <i>Carbohydrate Research</i> , <b>2006</b> , 341, 582-90	2.9	17
138	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> . A case of unsystematic biosynthetic polymerization. <i>FEBS Journal</i> , <b>2002</b> , 269, 4185-93		17
137	Structure of the Core Region from the Lipopolysaccharide of <i>Plesiomonas shigelloides</i> Strain 302-73 (Serotype O1). <i>European Journal of Organic Chemistry</i> , <b>2009</b> , 2009, 1365-1371	3.2	16
136	The O-specific polysaccharide structure and biosynthetic gene cluster of <i>Yersinia pseudotuberculosis</i> serotype O:11. <i>Carbohydrate Research</i> , <b>2009</b> , 344, 1533-40	2.9	16
135	Structural Determination of the O-Chain Polysaccharide from the Lipopolysaccharide of the Haloalkaliphilic <i>Halomonas pantelleriensis</i> Bacterium. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 1801-1808	3.2	16
134	Structural determination of the complex exopolysaccharide from the virulent strain of <i>Cryphonectria parasitica</i> . <i>Carbohydrate Research</i> , <b>2002</b> , 337, 1707-13	2.9	16
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> , <b>2000</b> , 39, 156-160	16.4	16
132	Bianthrone -glycosides. 2. Three new compounds from tubers. <i>Tetrahedron</i> , <b>1990</b> , 46, 1287-1294	2.4	16
131	Thermophiles as potential source of novel endotoxin antagonists: the full structure and bioactivity of the lipo-oligosaccharide from <i>Thermomonas hydrothermalis</i> . <i>ChemBioChem</i> , <b>2014</b> , 15, 2146-55	3.8	15
130	Structural Characterization of the Core Oligosaccharide Isolated from the Lipopolysaccharide of the Psychrophilic Bacterium <i>Colwellia psychrerythraea</i> Strain 34H. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 3771-3779	3.2	15

129	First structural characterization of <i>Burkholderia vietnamiensis</i> lipooligosaccharide from cystic fibrosis-associated lung transplantation strains. <i>Glycobiology</i> , <b>2009</b> , 19, 1214-23	5.8	15
128	Complete Lipooligosaccharide Structure of the Clinical Isolate <i>Acinetobacter baumannii</i> , Strain SMAL. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 1345-1352	3.2	15
127	The O-specific polysaccharide structure from the lipopolysaccharide of the Gram-negative bacterium <i>Raoultella terrigena</i> . <i>Carbohydrate Research</i> , <b>2007</b> , 342, 1514-8	2.9	15
126	The O-chain structure from the LPS of the endophytic bacterium <i>Burkholderia cepacia</i> strain ASP B 2D. <i>Carbohydrate Research</i> , <b>2006</b> , 341, 2954-8	2.9	15
125	Structural Analysis of the Deep Rough Lipopolysaccharide from Gram Negative Bacterium <i>Alteromonas macleodii</i> ATCC 27126T: The First Finding of EKdo in the Inner Core of Lipopolysaccharides. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 4710-4716	3.2	15
124	Observed and calculated <sup>1</sup> H- and <sup>13</sup> C-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. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 1577-81	3.9	15
123	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> , <b>2003</b> , 2003, 1029-1034	3.2	15
122	First synthesis of an H-Fucp3NAc containing oligosaccharide: a study on d-Fucp3NAc glycosylation. <i>Tetrahedron</i> , <b>2005</b> , 61, 5439-5448	2.4	15
121	Glycosides from <i>Muscari armeniacum</i> and <i>Muscari botryoides</i> . Isolation and structure of Muscarosides G <sub>N</sub> . <i>Canadian Journal of Chemistry</i> , <b>1988</b> , 66, 2787-2793	0.9	15
120	The lipid A of <i>Burkholderia multivorans</i> C1576 smooth-type lipopolysaccharide and its pro-inflammatory activity in a cystic fibrosis airways model. <i>Innate Immunity</i> , <b>2010</b> , 16, 354-65	2.7	14
119	Synthesis of a H-GlcN-(1->4)-MurNAc building block en route to N-deacetylated peptidoglycan fragments. <i>Tetrahedron Letters</i> , <b>2010</b> , 51, 1117-1120	2	14
118	<i>Agrobacterium rubi</i> (T) DSM 6772 produces a lipophilic polysaccharide capsule whose degree of acetylation is growth modulated. <i>Biomacromolecules</i> , <b>2007</b> , 8, 1047-51	6.9	14
117	The structure of the phosphorylated carbohydrate backbone of the lipopolysaccharide of the phytopathogen bacterium <i>Pseudomonas tolaasii</i> . <i>Carbohydrate Research</i> , <b>2004</b> , 339, 2241-8	2.9	14
116	Structural determination of lipid A of the lipopolysaccharide from <i>Pseudomonas reactans</i> . A pathogen of cultivated mushrooms. <i>FEBS Journal</i> , <b>2002</b> , 269, 2498-505		14
115	O-Specific chain structure from the lipopolysaccharide fraction of <i>Pseudomonas reactans</i> : a pathogen of the cultivated mushrooms. <i>Carbohydrate Research</i> , <b>2002</b> , 337, 467-71	2.9	14
114	Structural elucidation of a novel core oligosaccharide backbone of the lipopolysaccharide from the new bacterial species <i>Agrobacterium larrymoorei</i> . <i>Carbohydrate Research</i> , <b>2003</b> , 338, 2721-30	2.9	14
113	The O-chain structure from the LPS of marine halophilic bacterium <i>Pseudoalteromonas carrageenovora</i> -type strain IAM 12662T. <i>Carbohydrate Research</i> , <b>2005</b> , 340, 2693-7	2.9	14
112	Structure elucidation of the O-chain from the major lipopolysaccharide of the <i>Xanthomonas campestris</i> strain 642. <i>Carbohydrate Research</i> , <b>2000</b> , 325, 222-9	2.9	14



111	Reaction of dopamine with D-glyceraldehyde under biomimetic conditions: stereoselective formation of tetrahydroisoquinolines and rate-accelerating effects of transition metal ions. <i>Bioorganic and Medicinal Chemistry</i> , <b>1999</b> , 7, 2525-30	3.4	14
110	Biotechnological transformation of hydrocortisone to 16 $\beta$ -hydroxy hydrocortisone by <i>Streptomyces roseochromogenes</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 1291-9	5.7	13
109	Full Structural Characterization of an Extracellular Polysaccharide Produced by the Freshwater Cyanobacterium <i>Oscillatoria planktothrix</i> FP1. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 5594-5600	3.2	13
108	Structural Characterization of the Core Region of the Lipopolysaccharide from the Haloalkaliphilic <i>Halomonas pantelleriensis</i> : Identification of the Biological O-Antigen Repeating Unit. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 721-728	3.2	13
107	Synthetic oligorhamnans related to the most common O-chain backbone from phytopathogenic bacteria. <i>Tetrahedron</i> , <b>2006</b> , 62, 8474-8483	2.4	13
106	The incorporation of glucosamine into enterobacterial core lipopolysaccharide: two enzymatic steps are required. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 36648-56	5.4	13
105	Chapter 3: Lipopolysaccharides as Microbe-associated Molecular Patterns: A Structural Perspective. <i>RSC Drug Discovery Series</i> , <b>2015</b> , 38-63	0.6	12
104	Inter vs. intraglycosidic acetal linkages control sulfation pattern in semi-synthetic chondroitin sulfate. <i>Carbohydrate Polymers</i> , <b>2014</b> , 112, 546-55	10.3	12
103	Structural determination of the O-chain polysaccharide from the haloalkaliphilic <i>Halomonas alkaliantarctica</i> bacterium strain CRSS. <i>Carbohydrate Research</i> , <b>2009</b> , 344, 2051-5	2.9	12
102	Bacterial lipopolysaccharides in plant and mammalian innate immunity. <i>Protein and Peptide Letters</i> , <b>2012</b> , 19, 1040-4	1.9	12
101	The Outer Membrane of the Marine Gram-Negative Bacterium <i>Alteromonas addita</i> is Composed of a Very Short-Chain Lipopolysaccharide with a High Negative Charge Density. <i>European Journal of Organic Chemistry</i> , <b>2007</b> , 2007, 1113-1122	3.2	12
100	Structural elucidation of the capsular polysaccharide isolated from <i>Kaistella flava</i> . <i>Carbohydrate Research</i> , <b>2008</b> , 343, 2401-5	2.9	12
99	Structural determination of the O-chain polysaccharide from <i>Agrobacterium tumefaciens</i> , strain DSM 30205. <i>FEBS Journal</i> , <b>2002</b> , 269, 2885-8		12
98	The structure of the O-polysaccharide from <i>Pseudomonas stutzeri</i> OX1 containing two different 4-acylamido-4,6-dideoxy-residues, tomosamine and perosamine. <i>Carbohydrate Research</i> , <b>2005</b> , 340, 651-6	2.9	12
97	The complete structure of the core carbohydrate backbone from the LPS of marine halophilic bacterium <i>Pseudoalteromonas carrageenovora</i> type strain IAM 12662T. <i>Carbohydrate Research</i> , <b>2005</b> , 340, 1475-82	2.9	12
96	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> , <b>2001</b> , 123, 12605-10	16.4	12
95	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> , <b>2013</b> , 370, 9-12	2.9	11
94	Characterization of the core oligosaccharide and the O-antigen biological repeating unit from <i>Halomonas stevensii</i> lipopolysaccharide: the first case of O-antigen linked to the inner core. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 3729-35	4.8	11

93	Structural characterization of two lipopolysaccharide O-antigens produced by the endofungal bacterium Burkholderia sp. HKI-402 (B4). <i>Carbohydrate Research</i> , <b>2012</b> , 347, 95-8	2.9	11
92	The structure of the O-specific polysaccharide from the lipopolysaccharide of Burkholderia anthina. <i>Carbohydrate Research</i> , <b>2009</b> , 344, 1697-700	2.9	11
91	The biofilm matrix of Pseudomonas sp. OX1 grown on phenol is mainly constituted by alginate oligosaccharides. <i>Carbohydrate Research</i> , <b>2006</b> , 341, 2456-61	2.9	11
90	Structural Analysis of a Novel Polysaccharide of the Lipopolysaccharide-Deficient Extremophile Gram-Negative Bacterium Thermus thermophilus HB8. <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 5047-5054	3.2	11
89	Determination of the Structure of the Lipid A Fraction from the Lipopolysaccharide of Pseudomonas Cichorii by Means of NMR and MALDI-TOF Mass Spectrometry. <i>European Journal of Organic Chemistry</i> , <b>2002</b> , 2002, 3119-3125	3.2	11
88	The O-specific chain structure of the major component from the lipopolysaccharide fraction of Halomonas magadii strain 21 MI (NCIMB 13595). <i>Carbohydrate Research</i> , <b>2003</b> , 338, 567-70	2.9	11
87	Structural determination of the O-specific chain of the lipopolysaccharide from the mushrooms pathogenic bacterium Pseudomonas tolaasii. <i>Carbohydrate Research</i> , <b>2003</b> , 338, 1251-7	2.9	11
86	Isolation and characterisation of the lipopolysaccharide from Xanthomonas hortorum pv. vitians. <i>FEMS Microbiology Letters</i> , <b>1999</b> , 181, 49-53	2.9	11
85	Structural and conformational study of the O-polysaccharide produced by the metabolically versatile photosynthetic bacterium Rhodospseudomonas palustris strain BisA53. <i>Carbohydrate Polymers</i> , <b>2014</b> , 114, 384-391	10.3	10
84	Synthesis of the trisaccharide outer core fragment of Burkholderia cepacia pv. vietnamiensis lipooligosaccharide. <i>Carbohydrate Research</i> , <b>2012</b> , 349, 24-32	2.9	10
83	Structural characterization of the O-chain polysaccharide from an environmentally beneficial bacterium Pseudomonas chlororaphis subsp. aureofaciens strain M71. <i>Carbohydrate Research</i> , <b>2011</b> , 346, 2705-9	2.9	10
82	Against the rules: a marine bacterium, Loktanella rosea, possesses a unique lipopolysaccharide. <i>Glycobiology</i> , <b>2010</b> , 20, 586-93	5.8	10
81	O-chain structure from the lipopolysaccharide of the human pathogen Halomonas stevensii strain S18214. <i>Carbohydrate Research</i> , <b>2011</b> , 346, 362-5	2.9	10
80	The structure of the carbohydrate backbone of the lipooligosaccharide from the halophilic bacterium Arcobacter halophilus. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 850-3	2.9	10
79	Core oligosaccharide structure from the highly phytopathogenic Agrobacterium tumefaciens TT111 and conformational analysis of the putative rhamnan epitope. <i>Glycobiology</i> , <b>2006</b> , 16, 1272-80	5.8	10
78	Elucidation of two O-chain structures from the lipopolysaccharide fraction of Agrobacterium tumefaciens F/1. <i>Carbohydrate Research</i> , <b>2004</b> , 339, 2451-5	2.9	10
77	Structural Determination of the O-Specific Chain of the Lipopolysaccharide from Pseudomonas cichorii. <i>European Journal of Organic Chemistry</i> , <b>2002</b> , 2002, 1770-1775	3.2	10
76	The linkage between O-specific caryan and core region in the lipopolysaccharide of Burkholderia caryophylli is furnished by a primer monosaccharide. <i>Carbohydrate Research</i> , <b>2005</b> , 340, 1802-7	2.9	10

75	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> , <b>2001</b> , 335, 205-11	2.9	10
74	A route to oligosaccharide-appended salicylaldehydes: useful building blocks for the synthesis of metal-salophen complexes. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 7962-9	4.2	9
73	Structural identification of the O-antigen fraction from the lipopolysaccharide of the <i>Burkholderia ambifaria</i> strain 19182. <i>Carbohydrate Research</i> , <b>2013</b> , 379, 95-9	2.9	9
72	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> , <b>2007</b> , 70, 1624-7	4.9	9
71	The Structure of the O-Chain Polysaccharide from the Gram-Negative Endophytic Bacterium <i>Burkholderia phytofirmans</i> Strain PsJN. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 2303-2308	3.2	9
70	Acetolysis of 6-Deoxysugar Disaccharide Building Blocks: exo versus endo Activation. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 5704-5714	3.2	9
69	The structure of the O-specific polysaccharide from the lipopolysaccharide of <i>Pseudomonas</i> sp. OX1 cultivated in the presence of the azo dye Orange II. <i>Carbohydrate Research</i> , <b>2008</b> , 343, 674-84	2.9	9
68	The Structures of the Lipid A Moieties from the Lipopolysaccharides of Two Phytopathogenic Bacteria, <i>Xanthomonas campestris</i> pv. <i>pruni</i> and <i>Xanthomonas fragariae</i> . <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 1336-1343	3.2	9
67	Reaction of cyclic ketals with ceric ammonium nitrate in acetonitrile/water. <i>Tetrahedron</i> , <b>2002</b> , 58, 129-133	3.2	9
66	Elucidation of the O-chain structure from the lipopolysaccharide of <i>Agrobacterium tumefaciens</i> strain C58. <i>Carbohydrate Research</i> , <b>2003</b> , 338, 1891-4	2.9	9
65	Nortriterpenoid oligoglycosides from <i>Chionodoxa luciliae</i> . <i>Phytochemistry</i> , <b>1993</b> , 33, 431-6	4	9
64	A biogenetically new tetraterpene alcohol from <i>elodea canadensis</i> . <i>Tetrahedron Letters</i> , <b>1984</b> , 25, 2597-2600	3.2	9
63	A Semisynthetic Approach to New Immunoadjuvant Candidates: Site-Selective Chemical Manipulation of <i>Escherichia coli</i> Monophosphoryl Lipid A. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 11053-63	4.8	9
62	A combined fermentative-chemical approach for the scalable production of pure <i>E. coli</i> monophosphoryl lipid A. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 7781-91	5.7	8
61	The structure of the carbohydrate backbone of the lipooligosaccharide from an alkaliphilic <i>Halomonas</i> sp. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 1971-5	2.9	8
60	Presence of $\beta$ glycosyl linkages in caryophyllan: the main polysaccharide from the <i>Pseudomonas caryophylli</i> LPS fraction. <i>Carbohydrate Research</i> , <b>1998</b> , 307, 167-172	2.9	8
59	Use of chitosan for chromium removal from exhausted tanning baths. <i>Water Science and Technology</i> , <b>2008</b> , 58, 735-9	2.2	8
58	Preparation of a glycosynthase from the $\beta$ glycosidase of the Archaeon <i>Pyrococcus horikoshii</i> . <i>Biocatalysis and Biotransformation</i> , <b>2006</b> , 24, 23-29	2.5	8

57	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> , <b>2004</b> , 339, 1907-15	2.9	8
56	Occurrence and structure of cyclic Enterobacterial Common Antigen in <i>Escherichia coli</i> O157:H?. <i>Carbohydrate Research</i> , <b>2012</b> , 363, 29-32	2.9	7
55	Preparation and NMR characterization of glucosamine oligomers bearing an azide function using chitosan. <i>Carbohydrate Polymers</i> , <b>2012</b> , 90, 847-52	10.3	7
54	Structural Study of the Lipopolysaccharide O-Antigen Produced by the Emerging Cystic Fibrosis Pathogen <i>Pandora</i> pulmonicola. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 2243-2249	3.2	7
53	Structural determination of the O-specific polysaccharide from <i>Aeromonas hydrophila</i> strain A19 (serogroup O:14) with S-layer. <i>Carbohydrate Research</i> , <b>2011</b> , 346, 2519-22	2.9	7
52	A Unique Bicyclic Monosaccharide from the Bradyrhizobium Lipopolysaccharide and Its Role in the Molecular Interaction with Plants. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 12818-12820	3.6	7
51	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> , <b>1998</b> , 307, 333-41	2.9	7
50	An antagonist of lipid A action in mammals has complex effects on lipid A induction of defence responses in the model plant <i>Arabidopsis thaliana</i> . <i>Microbes and Infection</i> , <b>2008</b> , 10, 571-4	9.3	7
49	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> , <b>2004</b> , 2004, 3842-3849	3.2	7
48	Synthesis of the pentasaccharide repeating unit of the major O-antigen component from <i>Pseudomonas syringae</i> pv. <i>ribicola</i> NVPPB 1010. <i>Carbohydrate Research</i> , <b>2004</b> , 339, 393-400	2.9	7
47	Structure of minor oligosaccharides from the lipopolysaccharide fraction from <i>Pseudomonas stutzeri</i> OX1. <i>Carbohydrate Research</i> , <b>2004</b> , 339, 2657-65	2.9	7
46	5,7-Diamino-5,7,9-trideoxynon-2-ulosonic acid: a novel sugar from a phytopathogenic <i>Pseudomonas</i> lipopolysaccharide. <i>Carbohydrate Research</i> , <b>2002</b> , 337, 955-9	2.9	7
45	O-specific polysaccharide structure of the aqueous lipopolysaccharide fraction from <i>Xanthomonas campestris</i> pv. <i>vitians</i> strain 1839. <i>Carbohydrate Research</i> , <b>2000</b> , 328, 435-9	2.9	7
44	Structural investigation of the polysaccharide fraction from the mucilage of <i>Diceroaryum zanguebaricum</i> Merr. <i>Carbohydrate Research</i> , <b>1996</b> , 280, 111-9	2.9	7
43	Triterpenoid oligoglycosides from <i>Chionodoxa luciliae</i> . <i>Phytochemistry</i> , <b>1993</b> , 34, 773-8	4	7
42	Disulfides by reduction of thiosulfonic S-esters. <i>Tetrahedron Letters</i> , <b>1982</b> , 23, 2391-2394	2	7
41	Synthesis of the tetrasaccharide outer core fragment of <i>Burkholderia multivorans</i> lipooligosaccharide. <i>Carbohydrate Research</i> , <b>2015</b> , 403, 182-91	2.9	6
40	Structure of the lipopolysaccharide isolated from the novel species <i>Uruburuella suis</i> . <i>Carbohydrate Research</i> , <b>2012</b> , 357, 75-82	2.9	6

39	The Lipid A from the haloalkaliphilic bacterium <i>Salinivibrio sharmensis</i> strain BAG(T). <i>Marine Drugs</i> , <b>2013</b> , 11, 184-93	6	6
38	A Microbiological-Chemical Strategy to Produce Chondroitin Sulfate A,C. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 6284-6287	3.6	6
37	Structural characterization of the core region from the lipopolysaccharide of the haloalkaliphilic bacterium <i>Halomonas alkaliantarctica</i> strain CRSS. <i>Organic and Biomolecular Chemistry</i> , <b>2010</b> , 8, 5404-10	3.9	6
36	Structural Elucidation of a Novel B. cenocepacia ET-12 Lipooligosaccharide Isolated from a Cystic Fibrosis Patient after Lung Transplantation. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 1299-1306	3.2	6
35	Brønsted acidity of ceric ammonium nitrate in anhydrous DMF. The role of salt and solvent in sucrose cleavage. <i>Tetrahedron</i> , <b>2006</b> , 62, 2350-2356	2.4	6
34	Structural Determination of a Novel O-Chain Polysaccharide of the Lipopolysaccharide from the Bacterium <i>Xanthomonas campestris</i> pv. <i>pruni</i> . <i>European Journal of Organic Chemistry</i> , <b>2003</b> , 2003, 2254-2259	2.2	6
33	Structure of the O-chain polysaccharide of three strains of <i>Pseudomonas syringae</i> ssp. <i>savastanoi</i> . <i>Canadian Journal of Chemistry</i> , <b>1994</b> , 72, 1839-1843	0.9	6
32	Studies of an acidic polysaccharide from <i>Encephalartos friderici guilielmi</i> . <i>Carbohydrate Research</i> , <b>1991</b> , 222, 215-21	2.9	6
31	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> , <b>2015</b> , 412, 20-7	2.9	5
30	Synthesis of Partially N-Acetylated Chitooligosaccharides and Muropeptides. <i>Synlett</i> , <b>2014</b> , 25, 365-370	2.2	5
29	O-allyl decoration on alpha-glucan isolated from the haloalkaliphilic <i>Halomonas pantelleriensis</i> bacterium. <i>Carbohydrate Research</i> , <b>2007</b> , 342, 1271-4	2.9	5
28	Selective acetolysis of 6-deoxy-sugar oligosaccharide building blocks governed by the armed-disarmed effect. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 2546-2551	2	5
27	Structural characterisation of the core oligosaccharides isolated from the lipooligosaccharide fraction of <i>Agrobacterium tumefaciens</i> A1. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 4668-74	4.8	5
26	A Novel Core Region, Lacking Heptose and Phosphate, of the Lipopolysaccharide from the Gram-Negative Bacterium <i>Pseudomonas cichorii</i> (Pseudomonadaceae RNA Group 1). <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 2427-2435	3.2	5
25	First preparative synthesis of a 3-acetamido-3,6-dideoxy-d-galactopyranose glycosyl donor via intramolecular cyclization of an epoxytrichloroacetimidate. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 4445-4448	2	5
24	Structural Determination of the O-Specific Polysaccharide from the <i>Xanthomonas fragariae</i> Lipopolysaccharide Fraction. <i>European Journal of Organic Chemistry</i> , <b>2001</b> , 2001, 927-931	3.2	5
23	Die Acetylierung des O-spezifischen Caryans des Lipopolysaccharids aus <i>Pseudomonas</i> (Burkholderia) <i>caryophylli</i> führt zu Blockmustern. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 160-165	3.6	5
22	Structural investigation of <i>Ceratozamia spinosa</i> mucilage. <i>Carbohydrate Research</i> , <b>1994</b> , 260, 259-70	2.9	5

21	Structural characterization of the lipid A from the LPS of the haloalkaliphilic bacterium <i>Halomonas pantelleriensis</i> . <i>Extremophiles</i> , <b>2016</b> , 20, 687-94	3	4
20	Structural characterization of the core oligosaccharide isolated from the lipopolysaccharide of the haloalkaliphilic bacterium <i>Salinivibrio sharmensis</i> strain BAG(T). <i>Carbohydrate Research</i> , <b>2013</b> , 368, 61-7	2.9	4
19	Structural analysis of a novel putative capsular polysaccharide from <i>Pseudomonas</i> ( <i>Burkholderia</i> ) <i>caryophylli</i> strain 2151. <i>FEBS Journal</i> , <b>1999</b> , 259, 887-91		4
18	<sup>1</sup> H and <sup>13</sup> C Chemical Shift Data of Some Ommochrome Models: Substituted Benzo[3,2-a]-5H-phenoxazin-5-one. <i>Heterocycles</i> , <b>1992</b> , 34, 1829	0.8	4
17	Bacterial Lipopolysaccharides: An Overview of Their Structure, Biosynthesis and Immunological Activity <b>2015</b> , 57-89		3
16	Versatile and self-assembling urea-linked neosaccharides from sugar aminoalcohols. <i>Tetrahedron</i> , <b>2013</b> , 69, 1285-1296	2.4	3
15	Structure and Immunological Activity of the Lipopolysaccharide Isolated from the Species <i>Alkalimonas delamerensis</i> . <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 2653-2665	3.2	3
14	The presence of OMP inclusion bodies in a <i>Escherichia coli</i> K-12 mutated strain is not related to lipopolysaccharide structure. <i>Journal of Biochemistry</i> , <b>2009</b> , 146, 231-40	3.1	3
13	The role of sugar configuration in the acetolysis of 6-deoxyhexose methyl glycosides. <i>Carbohydrate Research</i> , <b>2009</b> , 344, 2406-11	2.9	3
12	A Urea-Linked Glucosamine Dimer as a Building Block for the Synthesis of Linear and Cyclic Neosaccharides. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 4062-4074	3.2	3
11	A novel capsular polysaccharide from <i>Rhizobium rubi</i> strain DSM 30149. <i>Carbohydrate Research</i> , <b>2008</b> , 343, 1482-5	2.9	3
10	<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> , <b>2008</b> , 9, 1830-5	3.8	3
9	The structures of the cell wall teichoic acids from the thermophilic microorganism <i>Geobacillus thermoleovorans</i> strain Fango. <i>Carbohydrate Research</i> , <b>2006</b> , 341, 2613-8	2.9	3
8	Characterisation of the $\beta$ (1 $\rightarrow$ 3) Homopolymer of L-glycero-D-manno-Heptose Units Isolated from the O-Chain Polysaccharide of <i>Agrobacterium radiobacter</i> . <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 2436-2440	3.2	3
7	Hyaluronate tetrasaccharide- Cu(II) interaction: a NMR study. <i>Biopolymers</i> , <b>2003</b> , 70, 260-9	2.2	3
6	The steric course of iodine halogenide addition to 1-methyl-4- <i>t</i> -butylcyclohexene: Influence of iodinating species. <i>Tetrahedron</i> , <b>1984</b> , 40, 2183-2187	2.4	3
5	Conversion of yeast mannan polysaccharide in mannose oligosaccharides with a thiopropargyl linker at the pseudo-reducing end. <i>Carbohydrate Research</i> , <b>2014</b> , 383, 43-9	2.9	2
4	Lipopolysaccharides from three phytopathogenic pseudomonads. <i>Phytochemistry</i> , <b>1997</b> , 46, 289-92	4	1

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| 3 | The O-chain structure from the LPS of the bacterium <i>Naxibacter alkalitolerans</i> YIM 31775T. <i>Carbohydrate Research</i> , <b>2007</b> , 342, 757-61                                     | 2.9 | 1 |
| 2 | A preparation of 3 $\alpha$ -methyl-5 $\alpha$ -cholestane-2 $\beta$ ,3 $\beta$ -diol. <i>Steroids</i> , <b>1975</b> , 26, 169-73   | 2.8 | 1 |
| 1 | Molecular Modeling Study of the Carbohydrate Region of the Endotoxin from <i>Burkholderia cenocepacia</i> ET-12. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 5114-5122 | 3.2 |   |