

Michelangelo Parrilli

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

236
papers

5,014
citations

35
h-index

53
g-index

249
ext. papers

5,496
ext. citations

4
avg, IF

5.07
L-index

#	Paper	IF	Citations
236	Exopolysaccharides From Marine and Marine Extremophilic Bacteria: Structures, Properties, Ecological Roles and Applications. <i>Marine Drugs</i> , 2018 , 16,	6	83
235	A multi-analytical approach to better assess the keratan sulfate contamination in animal origin chondroitin sulfate. <i>Analytica Chimica Acta</i> , 2017 , 958, 59-70	6.6	30
234	Structural characterization of an all-aminosugar-containing capsular polysaccharide from <i>Colwellia psychrerythraea</i> 34H. <i>Antonie Van Leeuwenhoek</i> , 2017 , 110, 1377-1387	2.1	20
233	A review of chemical methods for the selective sulfation and desulfation of polysaccharides. <i>Carbohydrate Polymers</i> , 2017 , 174, 1224-1239	10.3	61
232	Structure-activity relationship of the exopolysaccharide from a psychrophilic bacterium: A strategy for cryoprotection. <i>Carbohydrate Polymers</i> , 2017 , 156, 364-371	10.3	55
231	The polysaccharide and low molecular weight components of <i>Opuntia ficus indica</i> cladodes: Structure and skin repairing properties. <i>Carbohydrate Polymers</i> , 2017 , 157, 128-136	10.3	45
230	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> , 2016 , 22, 18215-18226	4.8	22
229	Structural characterization of the lipid A from the LPS of the haloalkaliphilic bacterium <i>Halomonas pantelleriensis</i> . <i>Extremophiles</i> , 2016 , 20, 687-94	3	4
228	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> , 2016 , 22, 11053-63	4.8	9
227	Chemical Fucosylation of a Polysaccharide: A Semisynthetic Access to Fucosylated Chondroitin Sulfate. <i>Biomacromolecules</i> , 2015 , 16, 2237-45	6.9	35
226	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> , 2015 , 290, 21305-19	5.4	36
225	Chapter 3: Lipopolysaccharides as Microbe-associated Molecular Patterns: A Structural Perspective. <i>RSC Drug Discovery Series</i> , 2015 , 38-63	0.6	12
224	Determination of the structure of the O-antigen and the lipid A from the entomopathogenic bacterium <i>Pseudomonas entomophila</i> lipopolysaccharide along with its immunological properties. <i>Carbohydrate Research</i> , 2015 , 412, 20-7	2.9	5
223	Bacterial Lipopolysaccharides: An Overview of Their Structure, Biosynthesis and Immunological Activity 2015 , 57-89		3
222	Synthesis of the tetrasaccharide outer core fragment of <i>Burkholderia multivorans</i> lipooligosaccharide. <i>Carbohydrate Research</i> , 2015 , 403, 182-91	2.9	6
221	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> , 2015 , 63, 166-75	4.3	20
220	Structural Investigation of the Oligosaccharide Portion Isolated from the Lipooligosaccharide of the Permafrost Psychrophile <i>Psychrobacter arcticus</i> 273-4. <i>Marine Drugs</i> , 2015 , 13, 4539-55	6	17

219	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> , 2015 , 137, 179-89	16.4	55
218	Structural investigation of the antagonist LPS from the cyanobacterium <i>Oscillatoria planktothrix</i> FP1. <i>Carbohydrate Research</i> , 2014 , 388, 73-80	2.9	23
217	Covalently linked hopanoid-lipid A improves outer-membrane resistance of a <i>Bradyrhizobium</i> symbiont of legumes. <i>Nature Communications</i> , 2014 , 5, 5106	17.4	67
216	A combined fermentative-chemical approach for the scalable production of pure <i>E. coli</i> monophosphoryl lipid A. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 7781-91	5.7	8
215	Conversion of yeast mannan polysaccharide in mannose oligosaccharides with a thiopropargyl linker at the pseudo-reducing end. <i>Carbohydrate Research</i> , 2014 , 383, 43-9	2.9	2
214	Inter vs. intraglycosidic acetal linkages control sulfation pattern in semi-synthetic chondroitin sulfate. <i>Carbohydrate Polymers</i> , 2014 , 112, 546-55	10.3	12
213	Synthesis of Partially N-Acetylated Chitooligosaccharides and Muropeptides. <i>Synlett</i> , 2014 , 25, 365-370	2.2	5
212	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> , 2014 , 15, 2146-55	3.8	15
211	Structural and conformational study of the O-polysaccharide produced by the metabolically versatile photosynthetic bacterium <i>Rhodospseudomonas palustris</i> strain BisA53. <i>Carbohydrate Polymers</i> , 2014 , 114, 384-391	10.3	10
210	Biotechnological transformation of hydrocortisone to 16 β -hydroxy hydrocortisone by <i>Streptomyces roseochromogenes</i> . <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 1291-9	5.7	13
209	A route to oligosaccharide-appended salicylaldehydes: useful building blocks for the synthesis of metal-salophen complexes. <i>Journal of Organic Chemistry</i> , 2013 , 78, 7962-9	4.2	9
208	Structural identification of the O-antigen fraction from the lipopolysaccharide of the <i>Burkholderia ambifaria</i> strain 19182. <i>Carbohydrate Research</i> , 2013 , 379, 95-9	2.9	9
207	Versatile and self-assembling urea-linked neosaccharides from sugar aminoalcohols. <i>Tetrahedron</i> , 2013 , 69, 1285-1296	2.4	3
206	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> , 2013 , 368, 61-7	2.9	4
205	The structural elucidation of the <i>Salmonella enterica</i> subsp. <i>enterica</i> , reveals that it contains both O-factors 4 and 5 on the LPS antigen. <i>Carbohydrate Research</i> , 2013 , 370, 9-12	2.9	11
204	Structure and Immunological Activity of the Lipopolysaccharide Isolated from the Species <i>Alkalimonas delamerensis</i> . <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 2653-2665	3.2	3
203	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> , 2013 , 2013, 3771-3779	3.2	15
202	Structure of N-linked oligosaccharides attached to chlorovirus PBCV-1 major capsid protein reveals unusual class of complex N-glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13956-60	11.5	41

201	The Lipid A from the haloalkaliphilic bacterium <i>Salinivibrio sharmensis</i> strain BAG(T). <i>Marine Drugs</i> , 2013 , 11, 184-93	6	6
200	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> , 2012 , 18, 2123-30	4.8	27
199	Occurrence and structure of cyclic Enterobacterial Common Antigen in <i>Escherichia coli</i> O157:H?. <i>Carbohydrate Research</i> , 2012 , 363, 29-32	2.9	7
198	Preparation and NMR characterization of glucosamine oligomers bearing an azide function using chitosan. <i>Carbohydrate Polymers</i> , 2012 , 90, 847-52	10.3	7
197	Structure of the lipopolysaccharide isolated from the novel species <i>Uruburuella suis</i> . <i>Carbohydrate Research</i> , 2012 , 357, 75-82	2.9	6
196	Structural Study of the Lipopolysaccharide O-Antigen Produced by the Emerging Cystic Fibrosis Pathogen <i>Pandora pulmonicola</i> . <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 2243-2249	3.2	7
195	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> , 2012 , 18, 3729-35	4.8	11
194	Structural characterization of two lipopolysaccharide O-antigens produced by the endofungal bacterium <i>Burkholderia</i> sp. HKI-402 (B4). <i>Carbohydrate Research</i> , 2012 , 347, 95-8	2.9	11
193	Synthesis of the trisaccharide outer core fragment of <i>Burkholderia cepacia</i> pv. <i>vietnamiensis</i> lipooligosaccharide. <i>Carbohydrate Research</i> , 2012 , 349, 24-32	2.9	10
192	Synthetic and semi-synthetic chondroitin sulfate oligosaccharides, polysaccharides, and glycomimetics. <i>Carbohydrate Research</i> , 2012 , 356, 75-85	2.9	30
191	A bacterial lipooligosaccharide that naturally mimics the epitope of the HIV-neutralizing antibody 2G12 as a template for vaccine design. <i>Chemistry and Biology</i> , 2012 , 19, 254-63		26
190	Bacterial lipopolysaccharides in plant and mammalian innate immunity. <i>Protein and Peptide Letters</i> , 2012 , 19, 1040-4	1.9	12
189	Structural characterization of the O-chain polysaccharide from an environmentally beneficial bacterium <i>Pseudomonas chlororaphis</i> subsp. <i>aureofaciens</i> strain M71. <i>Carbohydrate Research</i> , 2011 , 346, 2705-9	2.9	10
188	Structural determination of the O-specific polysaccharide from <i>Aeromonas hydrophila</i> strain A19 (serogroup O:14) with S-layer. <i>Carbohydrate Research</i> , 2011 , 346, 2519-22	2.9	7
187	Identification and structural determination of the capsular polysaccharides from two <i>Acinetobacter baumannii</i> clinical isolates, MG1 and SMAL. <i>Carbohydrate Research</i> , 2011 , 346, 973-7	2.9	35
186	Reflectron MALDI TOF and MALDI TOF/TOF mass spectrometry reveal novel structural details of native lipooligosaccharides. <i>Journal of Mass Spectrometry</i> , 2011 , 46, 1135-42	2.2	40
185	Molecular Modeling Study of the Carbohydrate Region of the Endotoxin from <i>Burkholderia cenocepacia</i> ET-12. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 5114-5122	3.2	
184	A Microbiological-Chemical Strategy to Produce Chondroitin Sulfate A,C. <i>Angewandte Chemie</i> , 2011 , 123, 6284-6287	3.6	6

183	A Unique Bicyclic Monosaccharide from the Bradyrhizobium Lipopolysaccharide and Its Role in the Molecular Interaction with Plants. <i>Angewandte Chemie</i> , 2011 , 123, 12818-12820	3.6	7
182	A microbiological-chemical strategy to produce chondroitin sulfate A,C. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6160-3	16.4	52
181	A unique bicyclic monosaccharide from the Bradyrhizobium lipopolysaccharide and its role in the molecular interaction with plants. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12610-2	16.4	20
180	Structural investigation and biological activity of the lipooligosaccharide from the psychrophilic bacterium <i>Pseudoalteromonas haloplanktis</i> TAB 23. <i>Chemistry - A European Journal</i> , 2011 , 17, 7053-60	4.8	29
179	O-chain structure from the lipopolysaccharide of the human pathogen <i>Halomonas stevensii</i> strain S18214. <i>Carbohydrate Research</i> , 2011 , 346, 362-5	2.9	10
178	Against the rules: a marine bacterium, <i>Loktanella rosea</i> , possesses a unique lipopolysaccharide. <i>Glycobiology</i> , 2010 , 20, 586-93	5.8	10
177	Insights on the conformational properties of hyaluronic acid by using NMR residual dipolar couplings and MD simulations. <i>Glycobiology</i> , 2010 , 20, 1208-16	5.8	24
176	Glyco-conjugates as elicitors or suppressors of plant innate immunity. <i>Glycobiology</i> , 2010 , 20, 406-19	5.8	141
175	Microbe-associated molecular patterns in innate immunity: Extraction and chemical analysis of gram-negative bacterial lipopolysaccharides. <i>Methods in Enzymology</i> , 2010 , 480, 89-115	1.7	113
174	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> , 2010 , 16, 354-65	2.7	14
173	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> , 2010 , 8, 5404-10	3.9	6
172	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> , 2010 , 345, 2523-8	2.9	22
171	Structural Elucidation of a Novel <i>B. cenocepacia</i> ET-12 Lipooligosaccharide Isolated from a Cystic Fibrosis Patient after Lung Transplantation. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 1299-1306	3.2	6
170	Complete Lipooligosaccharide Structure of the Clinical Isolate <i>Acinetobacter baumannii</i> , Strain SMAL. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 1345-1352	3.2	15
169	A Urea-Linked Glucosamine Dimer as a Building Block for the Synthesis of Linear and Cyclic Neosaccharides. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 4062-4074	3.2	3
168	Full Structural Characterization of an Extracellular Polysaccharide Produced by the Freshwater Cyanobacterium <i>Oscillatoria planktothrix</i> FP1. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 5594-5600	3.2	13
167	Synthesis of a β GlcN-(1 \rightarrow 4)-MurNAc building block en route to N-deacetylated peptidoglycan fragments. <i>Tetrahedron Letters</i> , 2010 , 51, 1117-1120	2	14
166	The structure of the carbohydrate backbone of the lipooligosaccharide from the halophilic bacterium <i>Arcobacter halophilus</i> . <i>Carbohydrate Research</i> , 2010 , 345, 850-3	2.9	10

165	The structure of the carbohydrate backbone of the lipooligosaccharide from an alkaliphilic Halomonas sp. <i>Carbohydrate Research</i> , 2010 , 345, 1971-5	2.9	8
164	Lipopolysaccharides 2010 , 133-153		24
163	Structural analysis of chondroitin sulfate from Scyliorhinus canicula: a useful source of this polysaccharide. <i>Glycobiology</i> , 2009 , 19, 1485-91	5.8	44
162	First structural characterization of Burkholderia vietnamiensis lipooligosaccharide from cystic fibrosis-associated lung transplantation strains. <i>Glycobiology</i> , 2009 , 19, 1214-23	5.8	15
161	The presence of OMP inclusion bodies in a Escherichia coli K-12 mutated strain is not related to lipopolysaccharide structure. <i>Journal of Biochemistry</i> , 2009 , 146, 231-40	3.1	3
160	Structural study and conformational behavior of the two different lipopolysaccharide O-antigens produced by the cystic fibrosis pathogen Burkholderia multivorans. <i>Chemistry - A European Journal</i> , 2009 , 15, 7156-66	4.8	18
159	Structure of the Core Region from the Lipopolysaccharide of Plesiomonas shigelloides Strain 302-73 (Serotype O1). <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 1365-1371	3.2	16
158	The Structures of Lipopolysaccharides from Plant-Associated Gram-Negative Bacteria. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 5887-5896	3.2	21
157	High-performance CE of Escherichia coli K4 cell surface polysaccharides. <i>Electrophoresis</i> , 2009 , 30, 3877-3886	3.3	24
156	The structure of the O-specific polysaccharide from the lipopolysaccharide of Burkholderia anthina. <i>Carbohydrate Research</i> , 2009 , 344, 1697-700	2.9	11
155	Structural determination of the O-chain polysaccharide from the haloalkaliphilic Halomonas alkaliantarctica bacterium strain CRSS. <i>Carbohydrate Research</i> , 2009 , 344, 2051-5	2.9	12
154	beta-Glycosyl azides as substrates for alpha-glycosynthases: preparation of efficient alpha-L-fucosynthases. <i>Chemistry and Biology</i> , 2009 , 16, 1097-108		54
153	The O-specific polysaccharide structure and biosynthetic gene cluster of Yersinia pseudotuberculosis serotype O:11. <i>Carbohydrate Research</i> , 2009 , 344, 1533-40	2.9	16
152	The role of sugar configuration in the acetolysis of 6-deoxyhexose methyl glycosides. <i>Carbohydrate Research</i> , 2009 , 344, 2406-11	2.9	3
151	Use of chitosan for chromium removal from exhausted tanning baths. <i>Water Science and Technology</i> , 2008 , 58, 735-9	2.2	8
150	The structure and proinflammatory activity of the lipopolysaccharide from Burkholderia multivorans and the differences between clonal strains colonizing pre and posttransplanted lungs. <i>Glycobiology</i> , 2008 , 18, 871-81	5.8	29
149	A novel capsular polysaccharide from Rhizobium rubi strain DSM 30149. <i>Carbohydrate Research</i> , 2008 , 343, 1482-5	2.9	3
148	Structural elucidation of the capsular polysaccharide isolated from Kaistella flava. <i>Carbohydrate Research</i> , 2008 , 343, 2401-5	2.9	12

147	Structural characterizations of lipids A by MS/MS of doubly charged ions on a hybrid linear ion trap/orbitrap mass spectrometer. <i>Journal of Mass Spectrometry</i> , 2008 , 43, 478-84	2.2	19
146	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> , 2008 , 9, 896-904	3.8	49
145	<i>Rhizobium rubi</i> (T): a gram-negative phytopathogenic bacterium expressing the Lewis B epitope on the outer core of its lipooligosaccharide fraction. <i>ChemBioChem</i> , 2008 , 9, 1830-5	3.8	3
144	Highly phosphorylated core oligosaccharide structures from cold-adapted <i>Psychromonas arctica</i> . <i>Chemistry - A European Journal</i> , 2008 , 14, 9368-76	4.8	30
143	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> , 2008 , 2008, 721-728	3.2	13
142	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> , 2008 , 2008, 2303-2308	3.2	9
141	Structural Studies of the O-Chain Polysaccharide from <i>Plesiomonas shigelloides</i> Strain 30273 (Serotype O1). <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 3149-3155	3.2	23
140	Acetolysis of 6-Deoxysugar Disaccharide Building Blocks: exo versus endo Activation. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 5704-5714	3.2	9
139	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> , 2008 , 343, 674-84	2.9	9
138	Lipopolysaccharide structures from <i>Agrobacterium</i> and <i>Rhizobiaceae</i> species. <i>Carbohydrate Research</i> , 2008 , 343, 1924-33	2.9	55
137	Peptidoglycan and mucopeptides from pathogens <i>Agrobacterium</i> and <i>Xanthomonas</i> elicit plant innate immunity: structure and activity. <i>Chemistry and Biology</i> , 2008 , 15, 438-48		113
136	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> , 2008 , 64, 3381-3391	2.4	17
135	Selective acetolysis of 6-deoxy-sugar oligosaccharide building blocks governed by the armed/disarmed effect. <i>Tetrahedron Letters</i> , 2008 , 49, 2546-2551	2	5
134	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> , 2008 , 10, 571-4	9.3	7
133	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> , 2008 , 18, 260-9	5.8	18
132	Absolute configuration of 8-Amino-3,8-dideoxyoct-2-ulosonic acid, the chemical hallmark of lipopolysaccharides of the genus <i>Shewanella</i> . <i>Journal of Natural Products</i> , 2007 , 70, 1624-7	4.9	9
131	<i>Agrobacterium rubi</i> (T) DSM 6772 produces a lipophilic polysaccharide capsule whose degree of acetylation is growth modulated. <i>Biomacromolecules</i> , 2007 , 8, 1047-51	6.9	14
130	Molecular structure of endotoxins from Gram-negative marine bacteria: an update. <i>Marine Drugs</i> , 2007 , 5, 85-112	6	44

129	The complete structure and pro-inflammatory activity of the lipooligosaccharide of the highly epidemic and virulent gram-negative bacterium Burkholderia cenocepacia ET-12 (strain J2315). <i>Chemistry - A European Journal</i> , 2007 , 13, 3501-11	4.8	60
128	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> , 2007 , 2007, 1113-1122	3.2	12
127	Structure of the Iron-Binding Exopolysaccharide Produced Anaerobically by the Gram-Negative Bacterium <i>Klebsiella oxytoca</i> BAS-10. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 5183-5189	3.2	25
126	The O-chain structure from the LPS of the bacterium <i>Naxibacter alkalitolerans</i> YIM 31775T. <i>Carbohydrate Research</i> , 2007 , 342, 757-61	2.9	1
125	O-allyl decoration on alpha-glucan isolated from the haloalkaliphilic <i>Halomonas pantelleriensis</i> bacterium. <i>Carbohydrate Research</i> , 2007 , 342, 1271-4	2.9	5
124	The O-specific polysaccharide structure from the lipopolysaccharide of the Gram-negative bacterium <i>Raoultella terrigena</i> . <i>Carbohydrate Research</i> , 2007 , 342, 1514-8	2.9	15
123	The behaviour of deoxyhexose trihaloacetimidates in selected glycosylations. <i>Carbohydrate Research</i> , 2007 , 342, 1021-9	2.9	23
122	Detailed characterization of the lipid A fraction from the nonpathogen <i>Acinetobacter radioresistens</i> strain S13. <i>Journal of Lipid Research</i> , 2007 , 48, 1045-51	6.3	25
121	A second galacturonic acid transferase is required for core lipopolysaccharide biosynthesis and complete capsule association with the cell surface in <i>Klebsiella pneumoniae</i> . <i>Journal of Bacteriology</i> , 2007 , 189, 1128-37	3.5	25
120	Priming, induction and modulation of plant defence responses by bacterial lipopolysaccharides. <i>Journal of Endotoxin Research</i> , 2007 , 13, 69-84		121
119	The O-chain structure from the LPS of the endophytic bacterium <i>Burkholderia cepacia</i> strain ASP B 2D. <i>Carbohydrate Research</i> , 2006 , 341, 2954-8	2.9	15
118	Structural characterisation of the core oligosaccharides isolated from the lipooligosaccharide fraction of <i>Agrobacterium tumefaciens</i> A1. <i>Chemistry - A European Journal</i> , 2006 , 12, 4668-74	4.8	5
117	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> , 2006 , 2006, 1801-1808	3.2	16
116	Structural Analysis of the Deep Rough Lipopolysaccharide from Gram Negative Bacterium <i>Alteromonas macleodii</i> ATCC 27126T: The First Finding of Kdo in the Inner Core of Lipopolysaccharides. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 4710-4716	3.2	15
115	Full Structural Characterisation of the Lipooligosaccharide of a <i>Burkholderia pyrrocinia</i> Clinical Isolate. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 4874-4883	3.2	24
114	A Versatile Strategy for the Synthesis of N-Acetyl-bacillosamine-Containing Disaccharide Building Blocks Related to Bacterial O-Antigens. <i>Synlett</i> , 2006 , 2006, 825-830	2.2	19
113	Core oligosaccharide structure from the highly phytopathogenic <i>Agrobacterium tumefaciens</i> TT111 and conformational analysis of the putative rhamnan epitope. <i>Glycobiology</i> , 2006 , 16, 1272-80	5.8	10
112	The structures of glycolipids isolated from the highly thermophilic bacterium <i>Thermus thermophilus</i> Samu-SA1. <i>Glycobiology</i> , 2006 , 16, 766-75	5.8	31

111	The ionic interaction of <i>Klebsiella pneumoniae</i> K2 capsule and core lipopolysaccharide. <i>Microbiology (United Kingdom)</i> , 2006 , 152, 1807-1818	2.9	38
110	Preparation of a glycosynthase from the β -glycosidase of the Archaeon <i>Pyrococcus horikoshii</i> . <i>Biocatalysis and Biotransformation</i> , 2006 , 24, 23-29	2.5	8
109	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> , 2006 , 341, 582-90	2.9	17
108	The biofilm matrix of <i>Pseudomonas</i> sp. OX1 grown on phenol is mainly constituted by alginate oligosaccharides. <i>Carbohydrate Research</i> , 2006 , 341, 2456-61	2.9	11
107	The structures of the cell wall teichoic acids from the thermophilic microorganism <i>Geobacillus thermoleovorans</i> strain Fango. <i>Carbohydrate Research</i> , 2006 , 341, 2613-8	2.9	3
106	Brønsted acidity of ceric ammonium nitrate in anhydrous DMF. The role of salt and solvent in sucrose cleavage. <i>Tetrahedron</i> , 2006 , 62, 2350-2356	2.4	6
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