

# Alba Silipo

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4978453/alba-silipo-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

166  
papers

4,021  
citations

34  
h-index

54  
g-index

178  
ext. papers

4,762  
ext. citations

5.8  
avg. IF

5.19  
L-index

#	Paper	IF	Citations
166	Lipopolysaccharide O-antigen molecular and supramolecular modifications of plant root microbiota are pivotal for host recognition. <i>Carbohydrate Polymers</i> , <b>2022</b> , 277, 118839	10.3	1
165	Liquid-state NMR spectroscopy for complex carbohydrate structural analysis: A hitchhiker's guide. <i>Carbohydrate Polymers</i> , <b>2022</b> , 277, 118885	10.3	5
164	Molecular recognition of sialoglycans by streptococcal Siglec-like adhesins: toward the shape of specific inhibitors.. <i>RSC Chemical Biology</i> , <b>2021</b> , 2, 1618-1630	3	3
163	Characterization of Natural and Synthetic Sialoglycans Targeting the Hemagglutinin-Neuraminidase of Mumps Virus. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 711346	5	
162	Lipopolysaccharide from Gut-Associated Lymphoid-Tissue-Resident <i>Alcaligenes faecalis</i> : Complete Structure Determination and Chemical Synthesis of Its Lipid A. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 10023-10031	16.4	13
161	Lipopolysaccharide from Gut-Associated Lymphoid-Tissue-Resident <i>Alcaligenes faecalis</i> : Complete Structure Determination and Chemical Synthesis of Its Lipid A. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10111-10119	16.4	13
160	Analysis of Synthetic Monodisperse Polysaccharides by Wide Mass Range Ultrahigh-Resolution MALDI Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 4666-4675	7.8	7
159	Investigation of protein-ligand complexes by ligand-based NMR methods. <i>Carbohydrate Research</i> , <b>2021</b> , 503, 108313	2.9	9
158	Solving the structural puzzle of bacterial glycome. <i>Current Opinion in Structural Biology</i> , <b>2021</b> , 68, 74-83	8.1	3
157	Recent advances on smart glycoconjugate vaccines in infections and cancer. <i>FEBS Journal</i> , <b>2021</b> ,	5.7	8
156	A Journey from Structure to Function of Bacterial Lipopolysaccharides. <i>Chemical Reviews</i> , <b>2021</b> ,	68.1	13
155	A chronic strain of the cystic fibrosis pathogen <i>Pandoraea pulmonicola</i> expresses a heterogenous hypo-acylated lipid A. <i>Glycoconjugate Journal</i> , <b>2021</b> , 38, 135-144	3	1
154	The Peculiar Structure of <i>Acetobacter pasteurianus</i> CIP103108 LPS Core Oligosaccharide. <i>ChemBioChem</i> , <b>2021</b> , 22, 147-150	3.8	
153	Glycans in Bacterial Infections: Gram-Negative Infections in the Respiratory Tract <b>2021</b> , 233-249		1
152	A hydrophilic olefin Pt(0) complex containing a glucoconjugated 2-iminopyridine ligand: Synthesis, characterization, stereochemistry and biological activity. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 516, 120092	2.7	2
151	Understanding the Antibacterial Resistance: Computational Explorations in Bacterial Membranes. <i>ACS Omega</i> , <b>2021</b> , 6, 6041-6054	3.9	7
150	Covalently bonded hopanoid-Lipid A from <i>Bradyrhizobium</i> : The role of unusual molecular structure and calcium ions in regulating the lipid bilayers organization. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 594, 891-901	9.3	2

149	Chemical Synthesis of Sialyl N-Glycans and Analysis of Their Recognition by Neuraminidase. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 24686-24693	16.4	1
148	Chemical Synthesis of Sialyl N-Glycans and Analysis of Their Recognition by Neuraminidase. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 24891	3.6	
147	Behavior of glycolylated sialoglycans in the binding pockets of murine and human CD22. <i>IScience</i> , <b>2021</b> , 24, 101998	6.1	4
146	Structure of the unusual HH103 lipopolysaccharide and its role in symbiosis. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 10969-10987	5.4	8
145	Adaptive defence-related changes in the metabolome of Sorghum bicolor cells in response to lipopolysaccharides of the pathogen Burkholderia andropogonis. <i>Scientific Reports</i> , <b>2020</b> , 10, 7626	4.9	10
144	Structural basis for Glycan-receptor binding by mumps virus hemagglutinin-neuraminidase. <i>Scientific Reports</i> , <b>2020</b> , 10, 1589	4.9	11
143	Exploring the fascinating world of sialoglycans in the interplay with Siglecs. <i>Carbohydrate Chemistry</i> , <b>2020</b> , 31-55	3	2
142	Unveiling Molecular Recognition of Sialoglycans by Human Siglec-10. <i>IScience</i> , <b>2020</b> , 23, 101231	6.1	13
141	Pairing LPS Structure with Its Immunomodulatory Effects on Human Cellular Models. <i>ACS Central Science</i> , <b>2020</b> , 6, 1602-1616	16.8	23
140	Chemical synthesis of glycans up to a 128-mer relevant to the O-antigen of Bacteroides vulgatus. <i>Nature Communications</i> , <b>2020</b> , 11, 4142	17.4	26
139	Characterisation of the Dynamic Interactions between Complex N-Glycans and Human CD22. <i>ChemBioChem</i> , <b>2020</b> , 21, 129-140	3.8	12
138	Weak Agonistic LPS Restores Intestinal Immune Homeostasis. <i>Molecular Therapy</i> , <b>2019</b> , 27, 1974-1991	11.7	29
137	Synthesis of Forsythenethoside A, a Neuroprotective Macrocyclic Phenylethanoid Glycoside, and NMR Analysis of Conformers. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 13733-13743	4.2	5
136	The Lipid A Structure from the Marine Sponge Symbiont Endozoicomonas sp. HEX 311. <i>ChemBioChem</i> , <b>2019</b> , 20, 230-236	3.8	1
135	Cancer Immunotherapy of TLR4 Agonist-Antigen Constructs Enhanced with Pathogen-Mimicking Magnetite Nanoparticles and Checkpoint Blockade of PD-L1. <i>Small</i> , <b>2019</b> , 15, e1803993	11	30
134	Lipopolysaccharide structures of Gram-negative populations in the gut microbiota and effects on host interactions. <i>FEMS Microbiology Reviews</i> , <b>2019</b> , 43, 257-272	15.1	51
133	Convergent Synthesis of a Bisecting N-Acetylglucosamine (GlcNAc)-Containing N-Glycan. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 1544-1551	4.5	11
132	Hopanoid lipids: from membranes to plant-bacteria interactions. <i>Nature Reviews Microbiology</i> , <b>2018</b> , 16, 304-315	22.2	91

131	Lipid A Structure and Immunoinhibitory Effect of the Marine Bacterium <i>Cobetia pacifica</i> KMM 3879T. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 2707-2716	3.2	5
130	Targeting the Bacterial Cytoskeleton of the Complex for Antimicrobial Development: A Cautionary Tale. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	3
129	The Structure of the Lipid A from the Halophilic Bacterium <i>Spiribacter salinus</i> M19-40. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	4
128	<i>Zymomonas mobilis</i> exopolysaccharide structure and role in high ethanol tolerance. <i>Carbohydrate Polymers</i> , <b>2018</b> , 201, 293-299	10.3	12
127	Structure and inflammatory activity of the LPS isolated from <i>Acetobacter pasteurianus</i> CIP103108. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 1027-1035	7.9	14
126	<i>Rhodopseudomonas palustris</i> Strain CGA009 Produces an O-Antigen Built up by a C-4-Branched Monosaccharide: Structural and Conformational Studies. <i>Organic Letters</i> , <b>2018</b> , 20, 3656-3660	6.2	1
125	Lipid A: Immunological Properties and Molecular Basis of Its Binding to the Myeloid Differentiation Protein-2/Toll-Like Receptor 4 Complex. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1888	8.4	6
124	Solid State NMR Studies of Intact Lipopolysaccharide Endotoxin. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 2106-2113	11.3	9
123	Synthesis of Bradyrhizose Oligosaccharides Relevant to the Bradyrhizobium O-Antigen. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2092-2096	16.4	18
122	Synthesis of Bradyrhizose Oligosaccharides Relevant to the Bradyrhizobium O-Antigen. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2124-2128	3.6	4
121	<i>Xanthomonas citri</i> pv. <i>citri</i> Pathotypes: LPS Structure and Function as Microbe-Associated Molecular Patterns. <i>ChemBioChem</i> , <b>2017</b> , 18, 772-781	3.8	8
120	Gram-Negative Extremophile Lipopolysaccharides: Promising Source of Inspiration for a New Generation of Endotoxin Antagonists. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 4055-4073	3.2	18
119	Enzymatic and acidic degradation of high molecular weight dextran into low molecular weight and its characterizations using novel Diffusion-ordered NMR spectroscopy. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 103, 744-750	7.9	13
118	The Lipid A from <i>Rhodopseudomonas palustris</i> Strain BisA53 LPS Possesses a Unique Structure and Low Immunostimulant Properties. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 3637-3647	4.8	19
117	The lipopolysaccharide core oligosaccharide of plays a critical role in maintaining a proper gut symbiosis with the bean bug. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 19226-19237	5.4	16
116	The Deep-Sea Polyextremophile <i>Halobacteroides lacunaris</i> TB21 Rough-Type LPS: Structure and Inhibitory Activity towards Toxic LPS. <i>Marine Drugs</i> , <b>2017</b> , 15,	6	11
115	A Comprehensive Study of the Interaction between Peptidoglycan Fragments and the Extracellular Domain of <i>Mycobacterium tuberculosis</i> Ser/Thr Kinase PknB. <i>ChemBioChem</i> , <b>2017</b> , 18, 2094-2098	3.8	9
114	Interaction of lipopolysaccharides at intermolecular sites of the periplasmic Lpt transport assembly. <i>Scientific Reports</i> , <b>2017</b> , 7, 9715	4.9	22

113	Front Cover: Gram-Negative Extremophile Lipopolysaccharides: Promising Source of Inspiration for a New Generation of Endotoxin Antagonists (Eur. J. Org. Chem. 28/2017). <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 4054-4054	3.2	
112	Deciphering minimal antigenic epitopes associated with <i>Burkholderia pseudomallei</i> and <i>Burkholderia mallei</i> lipopolysaccharide O-antigens. <i>Nature Communications</i> , <b>2017</b> , 8, 115	17.4	29
111	Structure of the Lipopolysaccharide from the sp. ORS285 Mutant Strain. <i>ChemistryOpen</i> , <b>2017</b> , 6, 541-553.	3.3	9
110	Structure of O-Antigen and Hybrid Biosynthetic Locus in Clonal Variants Recovered from a Cystic Fibrosis Patient. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1027	5.7	9
109	The Very Long Chain Fatty Acid (C:25OH) Linked to the Lipid A Is Important for the Fitness of the Photosynthetic Strain ORS278 and the Establishment of a Successful Symbiosis with Legumes. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1821	5.7	11
108	Chemical Synthesis of a Complex-Type N-Glycan Containing a Core Fucose. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 10600-10616	4.2	39
107	Structural and Conformational Study of the O-Antigenic Portion of the Lipopolysaccharide Isolated from <i>Burkholderia gladioli</i> pv. <i>cocovenenans</i> . <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 748-755.	3.2	3
106	NMR analysis of the binding mode of two fungal endo- $\beta$ -1,4-mannanases from GH5 and GH26 families. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 314-22	3.9	5
105	The LPS O-Antigen in Photosynthetic Bradyrhizobium Strains Is Dispensable for the Establishment of a Successful Symbiosis with Aeschynomene Legumes. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148884	3.7	3
104	Structural investigation of the lipopolysaccharide O-chain isolated from <i>Burkholderia fungorum</i> strain DSM 17061. <i>Carbohydrate Research</i> , <b>2016</b> , 433, 31-5	2.9	4
103	<i>Prevotella denticola</i> Lipopolysaccharide from a Cystic Fibrosis Isolate Possesses a Unique Chemical Structure. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 1732-1738	3.2	5
102	The structure of the lipooligosaccharide from <i>Xanthomonas oryzae</i> pv. <i>Oryzae</i> : the causal agent of the bacterial leaf blight in rice. <i>Carbohydrate Research</i> , <b>2016</b> , 427, 38-43	2.9	23
101	"Rules of Engagement" of Protein-Glycoconjugate Interactions: A Molecular View Achievable by using NMR Spectroscopy and Molecular Modeling. <i>ChemistryOpen</i> , <b>2016</b> , 5, 274-96	2.3	49
100	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
99	A novel rhamno-mannan exopolysaccharide isolated from biofilms of <i>Burkholderia multivorans</i> C1576. <i>Carbohydrate Research</i> , <b>2015</b> , 411, 42-8	2.9	14
98	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
97	Bacterial Lipopolysaccharides: An Overview of Their Structure, Biosynthesis and Immunological Activity <b>2015</b> , 57-89		3
96	<i>Burkholderia pseudomallei</i> Capsular Polysaccharide Recognition by a Monoclonal Antibody Reveals Key Details toward a Biodefense Vaccine and Diagnostics against Melioidosis. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 2295-302	4.9	27

95	Specific hopanoid classes differentially affect free-living and symbiotic states of <i>Bradyrhizobium diazoefficiens</i> . <i>MBio</i> , <b>2015</b> , 6, e01251-15	7.8	44
94	Insect Gut Symbiont Susceptibility to Host Antimicrobial Peptides Caused by Alteration of the Bacterial Cell Envelope. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 21042-21053	5.4	32
93	Synthesis and biological evaluation of 5'glycyl derivatives of uridine as inhibitors of 1,4-galactosyltransferase. <i>Bioorganic Chemistry</i> , <b>2015</b> , 58, 18-25	5.1	3
92	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
91	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
90	Chemistry of lipid A: at the heart of innate immunity. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 500-19	4.8	147
89	Synthesis of bradyrhizose, a unique inositol-fused monosaccharide relevant to a Nod-factor independent nitrogen fixation. <i>Chemical Communications</i> , <b>2015</b> , 51, 6964-7	5.8	29
88	Efficient synthesis of O-antigen fragments expressed by <i>Burkholderia anthina</i> by modular synthesis approach. <i>Carbohydrate Research</i> , <b>2015</b> , 404, 98-107	2.9	5
87	Structure, genetics and function of an exopolysaccharide produced by a bacterium living within fungal hyphae. <i>ChemBioChem</i> , <b>2015</b> , 16, 387-92	3.8	12
86	Structural analysis and characterization of dextran produced by wild and mutant strains of <i>Leuconostoc mesenteroides</i> . <i>Carbohydrate Polymers</i> , <b>2014</b> , 99, 331-8	10.3	76
85	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
84	Chitin-induced activation of immune signaling by the rice receptor CEBiP relies on a unique sandwich-type dimerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E404-13	11.5	212
83	Versatility of the <i>Burkholderia cepacia</i> complex for the biosynthesis of exopolysaccharides: a comparative structural investigation. <i>PLoS ONE</i> , <b>2014</b> , 9, e94372	3.7	33
82	The antibacterial toxin colicin N binds to the inner core of lipopolysaccharide and close to its translocator protein. <i>Molecular Microbiology</i> , <b>2014</b> , 92, 440-52	4.1	37
81	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> , <b>2014</b> , 114, 384-391	10.3	10
80	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
79	Degradation of complex carbohydrate: immobilization of pectinase from <i>Bacillus licheniformis</i> KIBGE-IB21 using calcium alginate as a support. <i>Food Chemistry</i> , <b>2013</b> , 139, 1081-6	8.5	107
78	Chemistry and biology of the potent endotoxin from a <i>Burkholderia dolosa</i> clinical isolate from a cystic fibrosis patient. <i>ChemBioChem</i> , <b>2013</b> , 14, 1105-15	3.8	17



77	Intracellular Shigella remodels its LPS to dampen the innate immune recognition and evade inflammasome activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E4345-54	11.5	71
76	Unraveling the interaction between the LPS O-antigen of Burkholderia anthina and the 5D8 monoclonal antibody by using a multidisciplinary chemical approach, with synthesis, NMR, and molecular modeling methods. <i>ChemBioChem</i> , <b>2013</b> , 14, 1485-93	3.8	8
75	Structure of the lipopolysaccharide isolated from the novel species Uruburuella suis. <i>Carbohydrate Research</i> , <b>2012</b> , 357, 75-82	2.9	6
74	NMR spectroscopic analysis reveals extensive binding interactions of complex xyloglucan oligosaccharides with the Cellvibrio japonicus glycoside hydrolase family 31 $\beta$ -xylosidase. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 13395-404	4.8	21
73	Structural Study of Binding of $\beta$ -Mannosides to Mannan-Binding Lectins. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 5275-5281	3.2	4
72	Structural Study of the Lipopolysaccharide O-Antigen Produced by the Emerging Cystic Fibrosis Pathogen Pandoraea pulmonicola. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 2243-2249	3.2	7
71	Burkholderia cenocepacia lectin A binding to heptoses from the bacterial lipopolysaccharide. <i>Glycobiology</i> , <b>2012</b> , 22, 1387-98	5.8	28
70	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
69	Lipopolysaccharide structure and biological activity from the cystic fibrosis pathogens Burkholderia cepacia complex. <i>Carbohydrate Chemistry</i> , <b>2012</b> , 13-39	3	6
68	Lipid A Structure <b>2011</b> , 1-20		11
67	Chemical basis of peptidoglycan discrimination by PrkC, a key kinase involved in bacterial resuscitation from dormancy. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 20676-9	16.4	79
66	Different sugar residues of the lipopolysaccharide outer core are required for early interactions of Salmonella enterica serovars Typhi and Typhimurium with epithelial cells. <i>Microbial Pathogenesis</i> , <b>2011</b> , 50, 70-80	3.8	14
65	New tagged naplephos ligands for asymmetric allylic substitutions under traditional and unconventional conditions. <i>Tetrahedron</i> , <b>2011</b> , 67, 4826-4831	2.4	15
64	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
63	Molecular Modeling Study of the Carbohydrate Region of the Endotoxin from Burkholderia cenocepacia ET-12. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 5114-5122	3.2	
62	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
61	A unique bicyclic monosaccharide from the Bradyrhizobium 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
60	Against the rules: a marine bacterium, Loktanella rosea, possesses a unique lipopolysaccharide. <i>Glycobiology</i> , <b>2010</b> , 20, 586-93	5.8	10

59	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
58	Glyco-conjugates as elicitors or suppressors of plant innate immunity. <i>Glycobiology</i> , <b>2010</b> , 20, 406-19	5.8	141
57	The Pleurotus ostreatus hydrophobin Vmh2 and its interaction with glucans. <i>Glycobiology</i> , <b>2010</b> , 20, 594-602	5.8	35
56	The lipid A of Burkholderia multivorans 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
55	Characterization of liposomes formed by lipopolysaccharides from Burkholderia cenocepacia, Burkholderia multivorans and Agrobacterium tumefaciens: from the molecular structure to the aggregate architecture. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 13574-85	3.6	28
54	Expression, purification, crystallization and preliminary X-ray crystallographic analysis of the peptidoglycan binding region of the Ser/Thr kinase PrkC from Staphylococcus aureus. <i>Protein and Peptide Letters</i> , <b>2010</b> , 17, 1296-9	1.9	2
53	The diversity of the core oligosaccharide in lipopolysaccharides. <i>Sub-Cellular Biochemistry</i> , <b>2010</b> , 53, 69-99.5	3.5	34
52	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
51	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
50	Full Structural Characterization of an Extracellular Polysaccharide Produced by the Freshwater Cyanobacterium Oscillatoria planktothrix FP1. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 5594-5600	3.2	13
49	An Unusual Galactofuranose Lipopolysaccharide That Ensures the Intracellular Survival of Toxin-Producing Bacteria in Their Fungal Host. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 7638-7642	3.6	13
48	An unusual galactofuranose lipopolysaccharide that ensures the intracellular survival of toxin-producing bacteria in their fungal host. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 7476-80	16.4	40
47	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
46	The structure of the carbohydrate backbone of the lipooligosaccharide from an alkaliphilic Halomonas sp. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 1971-5	2.9	8
45	Bacteriophage-resistant Staphylococcus aureus mutant confers broad immunity against staphylococcal infection in mice. <i>PLoS ONE</i> , <b>2010</b> , 5, e11720	3.7	68
44	Lipopolysaccharides <b>2010</b> , 133-153		24
43	Biosynthesis and structure of the Burkholderia cenocepacia K56-2 lipopolysaccharide core oligosaccharide: truncation of the core oligosaccharide leads to increased binding and sensitivity to polymyxin B. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 21738-51	5.4	50
42	First structural characterization of Burkholderia vietnamiensis lipooligosaccharide from cystic fibrosis-associated lung transplantation strains. <i>Glycobiology</i> , <b>2009</b> , 19, 1214-23	5.8	15



41	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> , <b>2009</b> , 15, 7156-66	4.8	18
40	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
39	Mesoscopic and microstructural characterization of liposomes formed by the lipooligosaccharide from Salmonella minnesota strain 595 (Re mutant). <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 2314-22	3.6	17
38	Pseudomonas aeruginosa exploits lipid A and muropeptides modification as a strategy to lower innate immunity during cystic fibrosis lung infection. <i>PLoS ONE</i> , <b>2009</b> , 4, e8439	3.7	93
37	Chemical and biological features of Burkholderia cepacia complex lipopolysaccharides. <i>Innate Immunity</i> , <b>2008</b> , 14, 127-44	2.7	65
36	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> , <b>2008</b> , 18, 871-81	5.8	29
35	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
34	Conformational analysis of a dermatan sulfate-derived tetrasaccharide by NMR, molecular modeling, and residual dipolar couplings. <i>ChemBioChem</i> , <b>2008</b> , 9, 240-52	3.8	31
33	The acylation and phosphorylation pattern of lipid A from Xanthomonas campestris strongly influence its ability to trigger the innate immune response in Arabidopsis. <i>ChemBioChem</i> , <b>2008</b> , 9, 896-904	3.8	49
32	The Structure of the O-Chain Polysaccharide from the Gram-Negative Endophytic Bacterium Burkholderia phytofirmans Strain PsJN. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 2303-2308	3.2	9
31	Lipopolysaccharide structures from Agrobacterium and Rhizobiaceae species. <i>Carbohydrate Research</i> , <b>2008</b> , 343, 1924-33	2.9	55
30	Peptidoglycan and muropeptides from pathogens Agrobacterium and Xanthomonas elicit plant innate immunity: structure and activity. <i>Chemistry and Biology</i> , <b>2008</b> , 15, 438-48		113
29	An antagonist of lipid A action in mammals has complex effects on lipid A induction of defence responses in the model plant Arabidopsis thaliana. <i>Microbes and Infection</i> , <b>2008</b> , 10, 571-4	9.3	7
28	Full structural characterization of Shigella flexneri 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
27	Molecular structure of endotoxins from Gram-negative marine bacteria: an update. <i>Marine Drugs</i> , <b>2007</b> , 5, 85-112	6	44
26	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> , <b>2007</b> , 13, 3501-11	4.8	60
25	The O-chain structure from the LPS of the bacterium Naxibacter alkalitolerans YIM 31775T. <i>Carbohydrate Research</i> , <b>2007</b> , 342, 757-61	2.9	1
24	Current analytical methods to study plant water extracts: the example of two mushrooms species, Inonotus hispidus and Sparassis crispa. <i>Phytochemical Analysis</i> , <b>2007</b> , 18, 33-41	3.4	5

23	A novel lipid A from <i>Halomonas magadiensis</i> inhibits enteric LPS-induced human monocyte activation. <i>European Journal of Immunology</i> , <b>2006</b> , 36, 354-60	6.1	26
22	Full Structural Characterisation of the Lipooligosaccharide of a <i>Burkholderia pyrrocinia</i> Clinical Isolate. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 4874-4883	3.2	24
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	Full structural characterization of the lipid A components from the <i>Agrobacterium tumefaciens</i> strain C58 lipopolysaccharide fraction. <i>Glycobiology</i> , <b>2004</b> , 14, 805-15	5.8	27
13	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
12	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
11	Structure Elucidation of the Highly Heterogeneous Lipid A from the Lipopolysaccharide of the Gram-Negative Extremophile Bacterium <i>Halomonas Magadiensis</i> Strain 21 M1. <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 2263-2271	3.2	29
10	Structural Analysis of a Novel Polysaccharide of the Lipopolysaccharide-Deficient Extremophile Gram-Negative Bacterium <i>Thermus thermophilus</i> HB8. <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 5047-5054	3.2	11
9	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
8	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
7	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
6	The structure of lipid A of the lipopolysaccharide from <i>Burkholderia caryophylli</i> with a 4-amino-4-deoxy-L-arabinopyranose 1-phosphate residue exclusively in glycosidic linkage. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 1542-8	4.8	28

5	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
4	Determination of the Structure of the Lipid A Fraction from the Lipopolysaccharide of <i>Pseudomonas Cichorii</i> 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
3	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
2	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
1	Novel ACE2-Independent Carbohydrate-Binding of SARS-CoV-2 Spike Protein to Host Lectins and Lung Microbiota		36