Alba Silipo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4978453/publications.pdf

Version: 2024-02-01

168	5,343	76326	118850
papers	citations	40 h-index	62 g-index

178	178	178	5955
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances on smart glycoconjugate vaccines in infections and cancer. FEBS Journal, 2022, 289, 4251-4303.	4.7	39
2	A Journey from Structure to Function of Bacterial Lipopolysaccharides. Chemical Reviews, 2022, 122, 15767-15821.	47.7	82
3	Lipopolysaccharide O-antigen molecular and supramolecular modifications of plant root microbiota are pivotal for host recognition. Carbohydrate Polymers, 2022, 277, 118839.	10.2	9
4	Liquid-state NMR spectroscopy for complex carbohydrate structural analysis: A hitchhiker's guide. Carbohydrate Polymers, 2022, 277, 118885.	10.2	49
5	Conformationally Constrained Sialyl Analogues as New Potential Binders of hâ€CD22. ChemBioChem, 2022, 23, .	2.6	3
6	A chronic strain of the cystic fibrosis pathogen Pandoraea pulmonicola expresses a heterogenous hypo-acylated lipid A. Glycoconjugate Journal, 2021, 38, 135-144.	2.7	5
7	The Peculiar Structure of Acetobacter pasteurianus CIP103108 LPS Core Oligosaccharide. ChemBioChem, 2021, 22, 147-150.	2.6	1
8	Glycans in Bacterial Infections: Gram-Negative Infections in the Respiratory Tract. , 2021, , 233-249.		2
9	A hydrophilic olefin Pt(0) complex containing a glucoconjugated 2-iminopyridine ligand: Synthesis, characterization, stereochemistry and biological activity. Inorganica Chimica Acta, 2021, 516, 120092.	2.4	8
10	Understanding the Antibacterial Resistance: Computational Explorations in Bacterial Membranes. ACS Omega, 2021, 6, 6041-6054.	3.5	21
11	Lipopolysaccharide from Gutâ€Associated Lymphoidâ€Tissueâ€Resident Alcaligenes faecalis: Complete Structure Determination and Chemical Synthesis of Its Lipidâ€...A. Angewandte Chemie - International Edition, 2021, 60, 10023-10031.	13.8	26
12	Lipopolysaccharide from Gutâ€Associated Lymphoidâ€Tissueâ€Resident Alcaligenes faecalis: Complete Structure Determination and Chemical Synthesis of Its Lipidâ€...A. Angewandte Chemie, 2021, 133, 10111-10119.	2.0	1
13	Analysis of Synthetic Monodisperse Polysaccharides by Wide Mass Range Ultrahigh-Resolution MALDI Mass Spectrometry. Analytical Chemistry, 2021, 93, 4666-4675.	6.5	19
14	Investigation of protein-ligand complexes by ligand-based NMR methods. Carbohydrate Research, 2021, 503, 108313.	2.3	19
15	Solving the structural puzzle of bacterial glycome. Current Opinion in Structural Biology, 2021, 68, 74-83.	5.7	10
16	Covalently bonded hopanoid-Lipid A from Bradyrhizobium: The role of unusual molecular structure and calcium ions in regulating the lipid bilayers organization. Journal of Colloid and Interface Science, 2021, 594, 891-901.	9.4	6
17	Chemical Synthesis of Sialyl Nâ€Glycans and Analysis of Their Recognition by Neuraminidase. Angewandte Chemie - International Edition, 2021, 60, 24686-24693.	13.8	6
18	Chemical Synthesis of Sialyl Nâ€Glycans and Analysis of Their Recognition by Neuraminidase. Angewandte Chemie, 2021, 133, 24891.	2.0	0

#	Article	IF	Citations
19	Behavior of glycolylated sialoglycans in the binding pockets of murine and human CD22. IScience, 2021, 24, 101998.	4.1	8
20	Molecular recognition of sialoglycans by streptococcal Siglec-like adhesins: toward the shape of specific inhibitors. RSC Chemical Biology, 2021, 2, 1618-1630.	4.1	6
21	Characterization of Natural and Synthetic Sialoglycans Targeting the Hemagglutinin-Neuraminidase of Mumps Virus. Frontiers in Chemistry, 2021, 9, 711346.	3.6	0
22	Semisynthetic Isomers of Fucosylated Chondroitin Sulfate Polysaccharides with Fucosyl Branches at a Non-Natural Site. Biomacromolecules, 2021, 22, 5151-5161.	5.4	5
23	The Unusual Lipid A Structure and Immunoinhibitory Activity of LPS from Marine Bacteria Echinicola pacifica KMM 6172T and Echinicola vietnamensis KMM 6221T. Microorganisms, 2021, 9, 2552.	3.6	5
24	Characterisation of the Dynamic Interactions between Complex Nâ€Glycans and Human CD22. ChemBioChem, 2020, 21, 129-140.	2.6	16
25	The Structure of the Lipid A of Gram-Negative Cold-Adapted Bacteria Isolated from Antarctic Environments. Marine Drugs, 2020, 18, 592.	4.6	6
26	Unveiling Molecular Recognition of Sialoglycans by Human Siglec-10. IScience, 2020, 23, 101231.	4.1	24
27	Pairing Bacteroides vulgatus LPS Structure with Its Immunomodulatory Effects on Human Cellular Models. ACS Central Science, 2020, 6, 1602-1616.	11.3	55
28	Chemical synthesis of glycans up to a 128-mer relevant to the O-antigen of Bacteroides vulgatus. Nature Communications, 2020, 11, 4142.	12.8	70
29	Structure of the unusual Sinorhizobium fredii HH103 lipopolysaccharide and its role in symbiosis. Journal of Biological Chemistry, 2020, 295, 10969-10987.	3.4	11
30	Adaptive defence-related changes in the metabolome of Sorghum bicolor cells in response to lipopolysaccharides of the pathogen Burkholderia andropogonis. Scientific Reports, 2020, 10, 7626.	3.3	18
31	Structural basis for Glycan-receptor binding by mumps virus hemagglutinin-neuraminidase. Scientific Reports, 2020, 10, 1589.	3.3	19
32	Exploring the fascinating world of sialoglycans in the interplay with Siglecs. Carbohydrate Chemistry, 2020, , 31-55.	0.3	3
33	Weak Agonistic LPS Restores Intestinal Immune Homeostasis. Molecular Therapy, 2019, 27, 1974-1991.	8.2	70
34	Synthesis of Forsythenethoside A, a Neuroprotective Macrocyclic Phenylethanoid Glycoside, and NMR Analysis of Conformers. Journal of Organic Chemistry, 2019, 84, 13733-13743.	3.2	9
35	The Lipidâ€…A Structure from the Marine Sponge Symbiont Endozoicomonas sp. HEX 311. ChemBioChem, 2019, 20, 230-236.	2.6	3
36	Cancer Immunotherapy of TLR4 Agonistâ€“Antigen Constructs Enhanced with Pathogenâ€Mimicking Magnetite Nanoparticles and Checkpoint Blockade of PDâ€L1. Small, 2019, 15, e1803993.	10.0	44

#	Article	IF	Citations
37	Lipopolysaccharide structures of Gram-negative populations in the gut microbiota and effects on host interactions. FEMS Microbiology Reviews, 2019, 43, 257-272.	8.6	102
38	Convergent Synthesis of a Bisecting Nâ€Acetylglucosamine (GlcNAc)â€Containing Nâ€Glycan. Chemistry - an Asian Journal, 2018, 13, 1544-1551.	3.3	16
39	Hopanoid lipids: from membranes to plantâ€“bacteria interactions. Nature Reviews Microbiology, 2018, 16, 304-315.	28.6	147
40	Lipid A Structure and Immunoinhibitory Effect of the Marine Bacterium Cobetia pacifica KMM 3879^T. European Journal of Organic Chemistry, 2018, 2018, 2707-2716.	2.4	9
41	Bradyrhizobium Lipid A: Immunological Properties and Molecular Basis of Its Binding to the Myeloid Differentiation Protein-2/Toll-Like Receptor 4 Complex. Frontiers in Immunology, 2018, 9, 1888.	4.8	9
42	Solid State NMR Studies of Intact Lipopolysaccharide Endotoxin. ACS Chemical Biology, 2018, 13, 2106-2113.	3.4	18
43	Targeting the Bacterial Cytoskeleton of the Burkholderia cepacia Complex for Antimicrobial Development: A Cautionary Tale. International Journal of Molecular Sciences, 2018, 19, 1604.	4.1	4
44	The Structure of the Lipid A from the Halophilic Bacterium Spiribacter salinus M19-40T. Marine Drugs, 2018, 16, 124.	4.6	9
45	Zymomonas mobilis exopolysaccharide structure and role in high ethanol tolerance. Carbohydrate Polymers, 2018, 201, 293-299.	10.2	17
46	Structure and inflammatory activity of the LPS isolated from Acetobacter pasteurianus CIP103108. International Journal of Biological Macromolecules, 2018, 119, 1027-1035.	7.5	18
47	Rhodopseudomonas palustris Strain CGA009 Produces an O-Antigen Built up by a C-4-Branched Monosaccharide: Structural and Conformational Studies. Organic Letters, 2018, 20, 3656-3660.	4.6	3
48	Synthesis of Bradyrhizose Oligosaccharides Relevant to the Bradyrhizobium Oâ€Antigen. Angewandte Chemie - International Edition, 2017, 56, 2092-2096.	13.8	22
49	Synthesis of Bradyrhizose Oligosaccharides Relevant to the Bradyrhizobium Oâ€Antigen. Angewandte Chemie, 2017, 129, 2124-2128.	2.0	4
50	Xanthomonas citri pv. citri Pathotypes: LPS Structure and Function as Microbeâ€Associated Molecular Patterns. ChemBioChem, 2017, 18, 772-781.	2.6	12
51	Gramâ€Negative Extremophile Lipopolysaccharides: Promising Source of Inspiration for a New Generation of Endotoxin Antagonists. European Journal of Organic Chemistry, 2017, 2017, 4055-4073.	2.4	26
52	Enzymatic and acidic degradation of high molecular weight dextran into low molecular weight and its characterizations using novel Diffusion-ordered NMR spectroscopy. International Journal of Biological Macromolecules, 2017, 103, 744-750.	7.5	19
53	The Lipidâ€…A fromRhodopseudomonas palustrisStrain BisA53 LPS Possesses a Unique Structure and Low Immunostimulant Properties. Chemistry - A European Journal, 2017, 23, 3637-3647.	3.3	26
54	The lipopolysaccharide core oligosaccharide of Burkholderia plays a critical role in maintaining a proper gut symbiosis with the bean bug Riptortus pedestris. Journal of Biological Chemistry, 2017, 292, 19226-19237.	3.4	24

#	Article	IF	Citations
55	A Comprehensive Study of the Interaction between Peptidoglycan Fragments and the Extracellular Domain of Mycobacterium tuberculosis Ser/Thr Kinase PknB. ChemBioChem, 2017, 18, 2094-2098.	2.6	12
56	Interaction of lipopolysaccharides at intermolecular sites of the periplasmic Lpt transport assembly. Scientific Reports, 2017, 7, 9715.	3.3	32
57	Front Cover: Gram-Negative Extremophile Lipopolysaccharides: Promising Source of Inspiration for a New Generation of Endotoxin Antagonists (Eur. J. Org. Chem. 28/2017). European Journal of Organic Chemistry, 2017, 2017, 4054-4054.	2.4	0
58	Deciphering minimal antigenic epitopes associated with Burkholderia pseudomallei and Burkholderia mallei lipopolysaccharide O-antigens. Nature Communications, 2017, 8, 115.	12.8	42
59	Structure of the Lipopolysaccharide from the Bradyrhizobium sp. ORS285 rfaL Mutant Strain. ChemistryOpen, 2017, 6, 541-553.	1.9	13
60	Structure of O-Antigen and Hybrid Biosynthetic Locus in Burkholderia cenocepacia Clonal Variants Recovered from a Cystic Fibrosis Patient. Frontiers in Microbiology, 2017, 8, 1027.	3.5	19
61	The Very Long Chain Fatty Acid (C26:25OH) Linked to the Lipid A Is Important for the Fitness of the Photosynthetic Bradyrhizobium Strain ORS278 and the Establishment of a Successful Symbiosis with Aeschynomene Legumes. Frontiers in Microbiology, 2017, 8, 1821.	3.5	17
62	The Deep-Sea Polyextremophile Halobacteroides lacunaris TB21 Rough-Type LPS: Structure and Inhibitory Activity towards Toxic LPS. Marine Drugs, 2017, 15, 201.	4.6	18
63	The LPS O-Antigen in Photosynthetic Bradyrhizobium Strains Is Dispensable for the Establishment of a Successful Symbiosis with Aeschynomene Legumes. PLoS ONE, 2016, 11, e0148884.	2.5	5
64	Structural investigation of the lipopolysaccharide O-chain isolated from Burkholderia fungorum strain DSM 17061. Carbohydrate Research, 2016, 433, 31-35.	2.3	12
65	Prevotella denticola Lipopolysaccharide from a Cystic Fibrosis Isolate Possesses a Unique Chemical Structure. European Journal of Organic Chemistry, 2016, 2016, 1732-1738.	2.4	11
66	The structure of the lipooligosaccharide from Xanthomonas oryzae pv. Oryzae: the causal agent of the bacterial leaf blight in rice. Carbohydrate Research, 2016, 427, 38-43.	2.3	26
67	â€œRules of Engagementâ€•of Protein-Glycoconjugate Interactions: A Molecular View Achievable by using NMR Spectroscopy and Molecular Modeling. ChemistryOpen, 2016, 5, 274-296.	1.9	62
68	Chemical Synthesis of a Complex-Type N-Glycan Containing a Core Fucose. Journal of Organic Chemistry, 2016, 81, 10600-10616.	3.2	49
69	Structural and Conformational Study of the Oâ€Antigenic Portion of the Lipopolysaccharide Isolated from Burkholderia gladioli pv. cocovenenans. European Journal of Organic Chemistry, 2016, 2016, 748-755.	2.4	3
70	NMR analysis of the binding mode of two fungal endo-Î²-1,4-mannanases from GH5 and GH26 families. Organic and Biomolecular Chemistry, 2016, 14, 314-322.	2.8	5
71	Synthesis of bradyrhizose, a unique inositol-fused monosaccharide relevant to a Nod-factor independent nitrogen fixation. Chemical Communications, 2015, 51, 6964-6967.	4.1	39
72	Efficient synthesis of O-antigen fragments expressed by Burkholderia anthina by modular synthesis approach. Carbohydrate Research, 2015, 404, 98-107.	2.3	5

#	Article	IF	Citations
73	Structure, Genetics and Function of an Exopolysaccharide Produced by a Bacterium Living within Fungal Hyphae. ChemBioChem, 2015, 16, 387-392.	2.6	18
74	Activation of Human Toll-like Receptor 4 (TLR4)Â·Myeloid Differentiation Factor 2 (MD-2) by Hypoacylated Lipopolysaccharide from a Clinical Isolate of Burkholderia cenocepacia. Journal of Biological Chemistry, 2015, 290, 21305-21319.	3.4	47
75	A novel rhamno-mannan exopolysaccharide isolated from biofilms of Burkholderia multivorans C1576. Carbohydrate Research, 2015, 411, 42-48.	2.3	17
76	Lipopolysaccharides as Microbe-associated Molecular Patterns: A Structural Perspective. RSC Drug Discovery Series, 2015, , 38-63.	0.3	15
77	Bacterial Lipopolysaccharides: An Overview of Their Structure, Biosynthesis and Immunological Activity. , 2015, , 57-89.		4
78	Burkholderia pseudomallei Capsular Polysaccharide Recognition by a Monoclonal Antibody Reveals Key Details toward a Biodefense Vaccine and Diagnostics against Melioidosis. ACS Chemical Biology, 2015, 10, 2295-2302.	3.4	36
79	Specific Hopanoid Classes Differentially Affect Free-Living and Symbiotic States of Bradyrhizobium diazoefficiens. MBio, 2015, 6, e01251-15.	4.1	60
80	Insect Gut Symbiont Susceptibility to Host Antimicrobial Peptides Caused by Alteration of the Bacterial Cell Envelope. Journal of Biological Chemistry, 2015, 290, 21042-21053.	3.4	45
81	Synthesis and biological evaluation of 5â€²-glycyl derivatives of uridine as inhibitors of 1,4-Î²-galactosyltransferase. Bioorganic Chemistry, 2015, 58, 18-25.	4.1	3
82	Synthesis of the tetrasaccharide outer core fragment of Burkholderia multivorans lipooligosaccharide. Carbohydrate Research, 2015, 403, 182-191.	2.3	7
83	Persistent cystic fibrosis isolate Pseudomonas aeruginosa strain RP73 exhibits an under-acylated LPS structure responsible of its low inflammatory activity. Molecular Immunology, 2015, 63, 166-175.	2.2	30
84	Chemistry of Lipidâ€…A: At the Heart of Innate Immunity. Chemistry - A European Journal, 2015, 21, 500-519.	3.3	193
85	Versatility of the Burkholderia cepacia Complex for the Biosynthesis of Exopolysaccharides: A Comparative Structural Investigation. PLoS ONE, 2014, 9, e94372.	2.5	46
86	The antibacterial toxin colicin <scp>N</scp> binds to the inner core of lipopolysaccharide and close to its translocator protein. Molecular Microbiology, 2014, 92, 440-452.	2.5	40
87	Structural and conformational study of the O-polysaccharide produced by the metabolically versatile photosynthetic bacterium Rhodopseudomonas palustris strain BisA53. Carbohydrate Polymers, 2014, 114, 384-391.	10.2	13
88	Structural analysis and characterization of dextran produced by wild and mutant strains of Leuconostoc mesenteroides. Carbohydrate Polymers, 2014, 99, 331-338.	10.2	102
89	Covalently linked hopanoid-lipid A improves outer-membrane resistance of a Bradyrhizobium symbiont of legumes. Nature Communications, 2014, 5, 5106.	12.8	88
90	Chitin-induced activation of immune signaling by the rice receptor CEBiP relies on a unique sandwich-type dimerization. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E404-13.	7.1	271

#	Article	IF	Citations
91	Structure and Immunological Activity of the Lipopolysaccharide Isolated from the Species Alkalimonas delamerensis. European Journal of Organic Chemistry, 2013, 2013, 2653-2665.	2.4	3
92	Degradation of complex carbohydrate: Immobilization of pectinase from Bacillus licheniformis KIBGE-IB21 using calcium alginate as a support. Food Chemistry, 2013, 139, 1081-1086.	8.2	128
93	Chemistry and Biology of the Potent Endotoxin from a Burkholderia dolosa Clinical Isolate from a Cystic Fibrosis Patient. ChemBioChem, 2013, 14, 1105-1115.	2.6	24
94	IntracellularShigellaremodels its LPS to dampen the innate immune recognition and evade inflammasome activation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4345-54.	7.1	87
95	Unraveling the Interaction between the LPS Oâ€Antigen of Burkholderia anthina and the 5D8 Monoclonal Antibody by Using a Multidisciplinary Chemical Approach, with Synthesis, NMR, and Molecular Modeling Methods. ChemBioChem, 2013, 14, 1485-1493.	2.6	8
96	Lipopolysaccharide structure and biological activity from the cystic fibrosis pathogens Burkholderia cepacia complex. Carbohydrate Chemistry, 2012, , 13-39.	0.3	6
97	Structure of the lipopolysaccharide isolated from the novel species Uruburuella suis. Carbohydrate Research, 2012, 357, 75-82.	2.3	8
98	NMR Spectroscopic Analysis Reveals Extensive Binding Interactions of Complex Xyloglucan Oligosaccharides with the Cellvibrio japonicus Glycoside Hydrolase Family 31 Î±â€Xylosidase. Chemistry - A European Journal, 2012, 18, 13395-13404.	3.3	25
99	Structural Study of Binding of Î±â€Mannosides to Mannanâ€Binding Lectins. European Journal of Organic Chemistry, 2012, 2012, 5275-5281.	2.4	4
100	Structural Study of the Lipopolysaccharide Oâ€Antigen Produced by the Emerging Cystic Fibrosis Pathogen Pandoraea pulmonicola. European Journal of Organic Chemistry, 2012, 2012, 2243-2249.	2.4	8
101	Burkholderia cenocepacia lectin A binding to heptoses from the bacterial lipopolysaccharide. Glycobiology, 2012, 22, 1387-1398.	2.5	31
102	Structural characterization of two lipopolysaccharide O-antigens produced by the endofungal bacterium Burkholderia sp. HKI-402 (B4). Carbohydrate Research, 2012, 347, 95-98.	2.3	13
103	Lipid A Structure. , 2011, , 1-20.		15
104	Chemical Basis of Peptidoglycan Discrimination by PrkC, a Key Kinase Involved in Bacterial Resuscitation from Dormancy. Journal of the American Chemical Society, 2011, 133, 20676-20679.	13.7	89
105	Different sugar residues of the lipopolysaccharide outer core are required for early interactions of Salmonella enterica serovars Typhi and Typhimurium with epithelial cells. Microbial Pathogenesis, 2011, 50, 70-80.	2.9	19
106	New tagged naplephos ligands for asymmetric allylic substitutions under traditional and unconventional conditions. Tetrahedron, 2011, 67, 4826-4831.	1.9	15
107	Reflectron MALDI TOF and MALDI TOF/TOF mass spectrometry reveal novel structural details of native lipooligosaccharides. Journal of Mass Spectrometry, 2011, 46, 1135-1142.	1.6	43
108	Molecular Modeling Study of the Carbohydrate Region of the Endotoxin from Burkholderia cenocepacia ETâ€12. European Journal of Organic Chemistry, 2011, 2011, 5114-5122.	2.4	0

#	Article	IF	Citations
109	A Unique Bicyclic Monosaccharide from the Bradyrhizobium Lipopolysaccharide and Its Role in the Molecular Interaction with Plants. Angewandte Chemie - International Edition, 2011, 50, 12610-12612.	13.8	24
110	Expression, Purification, Crystallization and Preliminary X-Ray Crystallographic Analysis of the Peptidoglycan Binding Region of the Ser/Thr Kinase PrkC from Staphylococcus aureus. Protein and Peptide Letters, 2010, 17, 1296-1299.	0.9	2
111	The Diversity of the Core Oligosaccharide in Lipopolysaccharides. Sub-Cellular Biochemistry, 2010, 53, 69-99.	2.4	44
112	Structural Elucidation of a Novel B. cenocepacia ETâ€12 Lipooligosaccharide Isolated from a Cystic Fibrosis Patient after Lung Transplantation. European Journal of Organic Chemistry, 2010, 2010, 1299-1306.	2.4	7
113	A Ureaâ€Linked Glucosamine Dimer as a Building Block for the Synthesis of Linear and Cyclic Neosaccharides. European Journal of Organic Chemistry, 2010, 2010, 4062-4074.	2.4	3
114	Full Structural Characterization of an Extracellular Polysaccharide Produced by the Freshwater Cyanobacterium Oscillatoria planktothrix FP1. European Journal of Organic Chemistry, 2010, 2010, 5594-5600.	2.4	15
115	An Unusual Galactofuranose Lipopolysaccharide That Ensures the Intracellular Survival of Toxinâ€Producing Bacteria in Their Fungal Host. Angewandte Chemie, 2010, 122, 7638-7642.	2.0	13
116	An Unusual Galactofuranose Lipopolysaccharide That Ensures the Intracellular Survival of Toxinâ€Producing Bacteria in Their Fungal Host. Angewandte Chemie - International Edition, 2010, 49, 7476-7480.	13.8	50
117	The structure of the carbohydrate backbone of the lipooligosaccharide from the halophilic bacterium Arcobacter halophilus. Carbohydrate Research, 2010, 345, 850-853.	2.3	11
118	The structure of the carbohydrate backbone of the lipooligosaccharide from an alkaliphilic Halomonas sp.. Carbohydrate Research, 2010, 345, 1971-1975.	2.3	8
119	Against the rules: A marine bacterium, Loktanella rosea, possesses a unique lipopolysaccharide. Glycobiology, 2010, 20, 586-593.	2.5	11
120	Insights on the conformational properties of hyaluronic acid by using NMR residual dipolar couplings and MD simulations. Glycobiology, 2010, 20, 1208-1216.	2.5	25
121	Glyco-conjugates as elicitors or suppressors of plant innate immunity. Glycobiology, 2010, 20, 406-419.	2.5	162
122	The Pleurotus ostreatus hydrophobin Vmh2 and its interaction with glucans. Glycobiology, 2010, 20, 594-602.	2.5	39
123	The lipid A of Burkholderia multivorans C1576 smooth-type lipopolysaccharide and its pro-inflammatory activity in a cystic fibrosis airways model. Innate Immunity, 2010, 16, 354-365.	2.4	16
124	Characterization of liposomes formed by lipopolysaccharides from Burkholderia cenocepacia, Burkholderia multivorans and Agrobacterium tumefaciens: from the molecular structure to the aggregate architecture. Physical Chemistry Chemical Physics, 2010, 12, 13574.	2.8	32
125	Lipopolysaccharides. , 2010, , 133-153.		25
126	Bacteriophage-Resistant Staphylococcus aureus Mutant Confers Broad Immunity against Staphylococcal Infection in Mice. PLoS ONE, 2010, 5, e11720.	2.5	91

#	Article	IF	Citations
127	Biosynthesis and Structure of the Burkholderia cenocepacia K56-2 Lipopolysaccharide Core Oligosaccharide. Journal of Biological Chemistry, 2009, 284, 21738-21751.	3.4	57
128	First structural characterization of Burkholderia vietnamiensis lipooligosaccharide from cystic fibrosis-associated lung transplantation strains. Glycobiology, 2009, 19, 1214-1223.	2.5	16
129	Structural Study and Conformational Behavior of the Two Different Lipopolysaccharide Oâ€Antigens Produced by the Cystic Fibrosis Pathogen Burkholderia multivorans. Chemistry - A European Journal, 2009, 15, 7156-7166.	3.3	19
130	The structure of the O-specific polysaccharide from the lipopolysaccharide of Burkholderia anthina. Carbohydrate Research, 2009, 344, 1697-1700.	2.3	13
131	Mesoscopic and microstructural characterization of liposomes formed by the lipooligosaccharide from Salmonella minnesota strain 595 (Re mutant). Physical Chemistry Chemical Physics, 2009, 11, 2314.	2.8	18
132	Pseudomonas aeruginosa Exploits Lipid A and Muropeptides Modification as a Strategy to Lower Innate Immunity during Cystic Fibrosis Lung Infection. PLoS ONE, 2009, 4, e8439.	2.5	116
133	Structural characterizations of lipids A by MS/MS of doubly charged ions on a hybrid linear ion trap/orbitrap mass spectrometer. Journal of Mass Spectrometry, 2008, 43, 478-484.	1.6	21
134	Conformational Analysis of a Dermatan Sulfateâ€Derived Tetrasaccharide by NMR, Molecular Modeling, and Residual Dipolar Couplings. ChemBioChem, 2008, 9, 240-252.	2.6	34
135	The Acylation and Phosphorylation Pattern of Lipid A from Xanthomonas Campestris Strongly Influence its Ability to Trigger the Innate Immune Response in Arabidopsis. ChemBioChem, 2008, 9, 896-904.	2.6	56
136	The Structure of the Oâ€Chain Polysaccharide from the Gramâ€Negative Endophytic Bacterium Burkholderia phytofirmans Strain PsJN. European Journal of Organic Chemistry, 2008, 2008, 2303-2308.	2.4	10
137	Lipopolysaccharide structures from Agrobacterium and Rhizobiaceae species. Carbohydrate Research, 2008, 343, 1924-1933.	2.3	61
138	Peptidoglycan and Muropeptides from Pathogens Agrobacterium and Xanthomonas Elicit Plant Innate Immunity: Structure and Activity. Chemistry and Biology, 2008, 15, 438-448.	6.0	129
139	An antagonist of lipid A action in mammals has complex effects on lipid A induction of defence responses in the model plant Arabidopsis thaliana. Microbes and Infection, 2008, 10, 571-574.	1.9	7
140	Review: Chemical and biological features ofBurkholderia cepaciacomplex lipopolysaccharides. Innate Immunity, 2008, 14, 127-144.	2.4	70
141	The structure and proinflammatory activity of the lipopolysaccharide fromÂBurkholderiaÂmultivoransÂandÂthe differences between clonal strains colonizingÂpreÂandÂposttransplantedÂlungs. Glycobiology, 2008, 18, 871-881.	2.5	30
142	Full structural characterization of Shigella flexneri M90T serotype 5 wild-type R-LPS and its ÂgalU mutant: glycine residue location in the inner core of the lipopolysaccharide. Glycobiology, 2007, 18, 260-269.	2.5	19
143	Molecular Structure of Endotoxins from Gram-negative Marine Bacteria: An Update. Marine Drugs, 2007, 5, 85-112.	4.6	58
144	The Complete Structure and Pro-inflammatory Activity of the Lipooligosaccharide of the Highly Epidemic and Virulent Gram-Negative BacteriumBurkholderia cenocepacia ET-12 (Strain J2315). Chemistry - A European Journal, 2007, 13, 3501-3511.	3.3	61

#	Article	IF	Citations
145	The O-chain structure from the LPS of the bacterium Naxibacter alkalitolerans YIM 31775T. Carbohydrate Research, 2007, 342, 757-761.	2.3	3
146	Current analytical methods to study plant water extracts: the example of two mushrooms species,Inonotus hispidus andSparassis crispa. Phytochemical Analysis, 2007, 18, 33-41.	2.4	9
147	A novel lipidâ€„A fromHalomonas magadiensis inhibits enteric LPS-induced human monocyte activation. European Journal of Immunology, 2006, 36, 354-360.	2.9	37
148	Full Structural Characterisation of the Lipooligosaccharide of aBurkholderiapyrrocinia Clinical Isolate. European Journal of Organic Chemistry, 2006, 2006, 4874-4883.	2.4	25
149	Structural characterization of the carbohydrate backbone of the lipooligosaccharide of the marine bacterium Arenibacter certesii strain KMM 3941T. Carbohydrate Research, 2005, 340, 2540-2549.	2.3	19
150	The O-chain structure from the LPS of marine halophilic bacterium Pseudoalteromonas carrageenovora-type strain IAM 12662T. Carbohydrate Research, 2005, 340, 2693-2697.	2.3	14
151	Complete Structural Elucidation of a Novel Lipooligosaccharide from the Outer Membrane of the Marine BacteriumShewanella pacifica. European Journal of Organic Chemistry, 2005, 2005, 2281-2291.	2.4	20
152	The complete structure of the core carbohydrate backbone from the LPS of marine halophilic bacterium Pseudoalteromonas carrageenovora type strain IAM 12662T. Carbohydrate Research, 2005, 340, 1475-1482.	2.3	13
153	New conditions for matrix-assisted laser desorption/ionization mass spectrometry of native bacterial R-type lipopolysaccharides. Rapid Communications in Mass Spectrometry, 2005, 19, 1829-1834.	1.5	64
154	Complete structural characterization of the lipid A fraction of a clinical strain of B. cepacia genomovar I lipopolysaccharide. Glycobiology, 2005, 15, 561-570.	2.5	55
155	The Elicitation of Plant Innate Immunity by Lipooligosaccharide of Xanthomonas campestris. Journal of Biological Chemistry, 2005, 280, 33660-33668.	3.4	168
156	Full structural characterization of the lipid A components from the Agrobacterium tumefaciens strain C58 lipopolysaccharide fraction. Glycobiology, 2004, 14, 805-815.	2.5	28
157	A novel type of highly negatively charged lipooligosaccharide from Pseudomonas stutzeri OX1 possessing two 4,6-O-(1-carboxy)-ethylidene residues in the outer core region. FEBS Journal, 2004, 271, 2691-2704.	0.2	26
158	The Structures of the Lipid A Moieties from the Lipopolysaccharides of Two Phytopathogenic Bacteria,Xanthomonas campestris pv.pruni andXanthomonas fragariae. European Journal of Organic Chemistry, 2004, 2004, 1336-1343.	2.4	12
159	Structure Elucidation of the Highly Heterogeneous Lipid A from the Lipopolysaccharide of the Gram-Negative Extremophile BacteriumHalomonas Magadiensis Strain 21 M1. European Journal of Organic Chemistry, 2004, 2004, 2263-2271.	2.4	31
160	Structural Analysis of a Novel Polysaccharide of the Lipopolysaccharide-Deficient Extremophile Gram-Negative BacteriumThermus thermophilus HB8. European Journal of Organic Chemistry, 2004, 2004, 5047-5054.	2.4	12
161	Determination of fatty acid positions in native lipid A by positive and negative electrospray ionization mass spectrometry. Journal of Mass Spectrometry, 2004, 39, 378-383.	1.6	51
162	The complete structure of the lipooligosaccharide from the halophilic bacterium Pseudoalteromonas issachenkonii KMM 3549T. Carbohydrate Research, 2004, 339, 1985-1993.	2.3	21

#	Article	IF	Citations
163	The structure of the phosphorylated carbohydrate backbone of the lipopolysaccharide of the phytopathogen bacterium Pseudomonas tolaasii. Carbohydrate Research, 2004, 339, 2241-2248.	2.3	15
164	The Structure of Lipid A of the Lipopolysaccharide from Burkholderia caryophylli with a 4-Amino-4-deoxy-L-arabinopyranose 1-Phosphate Residue Exclusively in Glycosidic Linkage. Chemistry - A European Journal, 2003, 9, 1542-1548.	3.3	29
165	Structural elucidation of the O-chain of the lipopolysaccharide from Xanthomonas campestris strain 8004. Carbohydrate Research, 2003, 338, 277-281.	2.3	47
166	Ammonium hydroxide hydrolysis. Journal of Lipid Research, 2002, 43, 2188-2195.	4.2	88
167	Determination of the Structure of the Lipid A Fraction from the Lipopolysaccharide of Pseudomonas Cichorii by Means of NMR and MALDI-TOF Mass Spectrometry. European Journal of Organic Chemistry, 2002, 2002, 3119-3125.	2.4	14
168	Structural determination of lipid A of the lipopolysaccharide from Pseudomonas reactans. FEBS Journal, 2002, 269, 2498-2505.	0.2	20