

Antonio Molinaro

List of Publications by Year in descending order

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333
papers

12,609
citations

31949

53
h-index

39638

94
g-index

350
all docs

350
docs citations

350
times ranked

15152
citing authors

#	ARTICLE	IF	CITATIONS
1	European consensus conference on faecal microbiota transplantation in clinical practice. <i>Gut</i> , 2017, 66, 569-580.	6.1	793
2	Microbially Produced Imidazole Propionate Impairs Insulin Signaling through mTORC1. <i>Cell</i> , 2018, 175, 947-961.e17.	13.5	517
3	Multivalent glycoconjugates as anti-pathogenic agents. <i>Chemical Society Reviews</i> , 2013, 42, 4709-4727.	18.7	464
4	<i>Arabidopsis</i> lysin-motif proteins LYM1 LYM3 CERK1 mediate bacterial peptidoglycan sensing and immunity to bacterial infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19824-19829.	3.3	442
5	Microbiota-induced obesity requires farnesoid X receptor. <i>Gut</i> , 2017, 66, 429-437.	6.1	355
6	Role of Bile Acids in Metabolic Control. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 31-41.	3.1	299
7	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> , 2014, 111, E404-13.	3.3	271
8	Functional Analysis of the Protein Machinery Required for Transport of Lipopolysaccharide to the Outer Membrane of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2008, 190, 4460-4469.	1.0	218
9	Bacterial Polysaccharides Suppress Induced Innate Immunity by Calcium Chelation. <i>Current Biology</i> , 2008, 18, 1078-1083.	1.8	212
10	Chemistry of Lipid A: At the Heart of Innate Immunity. <i>Chemistry - A European Journal</i> , 2015, 21, 500-519.	1.7	193
11	The Elicitation of Plant Innate Immunity by Lipooligosaccharide of <i>Xanthomonas campestris</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 33660-33668.	1.6	168
12	Glyco-conjugates as elicitors or suppressors of plant innate immunity. <i>Glycobiology</i> , 2010, 20, 406-419.	1.3	162
13	Hopanoid lipids: from membranes to plant-bacteria interactions. <i>Nature Reviews Microbiology</i> , 2018, 16, 304-315.	13.6	147
14	Cell surface polysaccharides of <i>Bifidobacterium bifidum</i> induce the generation of Foxp3 ⁺ regulatory T cells. <i>Science Immunology</i> , 2018, 3, .	5.6	145
15	Human caspase-4 detects tetra-acylated LPS and cytosolic Francisella and functions differently from murine caspase-11. <i>Nature Communications</i> , 2018, 9, 242.	5.8	144
16	Microbe-Associated Molecular Patterns in Innate Immunity. <i>Methods in Enzymology</i> , 2010, 480, 89-115.	0.4	140
17	Invited review: Priming, induction and modulation of plant defence responses by bacterial lipopolysaccharides. <i>Journal of Endotoxin Research</i> , 2007, 13, 69-84.	2.5	138
18	Peptidoglycan and Muropeptides from Pathogens <i>Agrobacterium</i> and <i>Xanthomonas</i> Elicit Plant Innate Immunity: Structure and Activity. <i>Chemistry and Biology</i> , 2008, 15, 438-448.	6.2	129

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19	Degradation of complex carbohydrate: Immobilization of pectinase from <i>Bacillus licheniformis</i> KIBGE-IB21 using calcium alginate as a support. <i>Food Chemistry</i> , 2013, 139, 1081-1086.	4.2	128
20	Imidazole propionate is increased in diabetes and associated with dietary patterns and altered microbial ecology. <i>Nature Communications</i> , 2020, 11, 5881.	5.8	122
21	PNPLA3 Gene Polymorphism Is Associated With Predisposition to and Severity of Alcoholic Liver Disease. <i>American Journal of Gastroenterology</i> , 2015, 110, 846-856.	0.2	120
22	<i>Pseudomonas aeruginosa</i> Exploits Lipid A and Muropeptides Modification as a Strategy to Lower Innate Immunity during Cystic Fibrosis Lung Infection. <i>PLoS ONE</i> , 2009, 4, e8439.	1.1	116
23	Structural analysis and characterization of dextran produced by wild and mutant strains of <i>Leuconostoc mesenteroides</i> . <i>Carbohydrate Polymers</i> , 2014, 99, 331-338.	5.1	102
24	Lipopolysaccharide structures of Gram-negative populations in the gut microbiota and effects on host interactions. <i>FEMS Microbiology Reviews</i> , 2019, 43, 257-272.	3.9	102
25	Aminoarabinose is essential for lipopolysaccharide export and intrinsic antimicrobial peptide resistance in <i>Burkholderia cenocepacia</i> . <i>Molecular Microbiology</i> , 2012, 85, 962-974.	1.2	91
26	Chemical Basis of Peptidoglycan Discrimination by PrkC, a Key Kinase Involved in Bacterial Resuscitation from Dormancy. <i>Journal of the American Chemical Society</i> , 2011, 133, 20676-20679.	6.6	89
27	Ammonium hydroxide hydrolysis. <i>Journal of Lipid Research</i> , 2002, 43, 2188-2195.	2.0	88
28	Covalently linked hopanoid-lipid A improves outer-membrane resistance of a <i>Bradyrhizobium</i> symbiont of legumes. <i>Nature Communications</i> , 2014, 5, 5106.	5.8	88
29	Intracellular <i>Shigella</i> 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> , 2013, 110, E4345-54.	3.3	87
30	Microbial Imidazole Propionate Affects Responses to Metformin through p38 ^{Î³} -Dependent Inhibitory AMPK Phosphorylation. <i>Cell Metabolism</i> , 2020, 32, 643-653.e4.	7.2	83
31	A Journey from Structure to Function of Bacterial Lipopolysaccharides. <i>Chemical Reviews</i> , 2022, 122, 15767-15821.	23.0	82
32	Lipopolysaccharide from Crypt-Specific Core Microbiota Modulates the Colonic Epithelial Proliferation-to-Differentiation Balance. <i>MBio</i> , 2017, 8, .	1.8	81
33	Glial fibrillary acidic protein as an early marker of hepatic stellate cell activation in chronic and posttransplant recurrent hepatitis C. <i>Liver Transplantation</i> , 2008, 14, 806-814.	1.3	80
34	Microbe-associated molecular pattern (MAMP) signatures, synergy, size and charge: influences on perception or mobility and host defence responses. <i>Molecular Plant Pathology</i> , 2009, 10, 375-387.	2.0	76
35	Lignans from <i>Arum italicum</i> . <i>Phytochemistry</i> , 1994, 35, 777-779.	1.4	75
36	Review: Chemical and biological features of <i>Burkholderia cepacia</i> complex lipopolysaccharides. <i>Innate Immunity</i> , 2008, 14, 127-144.	1.1	70

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37	Weak Agonistic LPS Restores Intestinal Immune Homeostasis. <i>Molecular Therapy</i> , 2019, 27, 1974-1991.	3.7	70
38	Chemical synthesis of glycans up to a 128-mer relevant to the O-antigen of <i>Bacteroides vulgatus</i> . <i>Nature Communications</i> , 2020, 11, 4142.	5.8	70
39	Muramylpeptide shedding modulates cell sensing of <i>Shigella flexneri</i> . <i>Cellular Microbiology</i> , 2008, 10, 682-695.	1.1	67
40	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.	5.1	66
41	Gut microbiota depletion exacerbates cholestatic liver injury via loss of FXR signalling. <i>Nature Metabolism</i> , 2021, 3, 1228-1241.	5.1	65
42	New conditions for matrix-assisted laser desorption/ionization mass spectrometry of native bacterial R-type lipopolysaccharides. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1829-1834.	0.7	64
43	Identification of the Flagellin Glycosylation System in <i>Burkholderia cenocepacia</i> and the Contribution of Glycosylated Flagellin to Evasion of Human Innate Immune Responses. <i>Journal of Biological Chemistry</i> , 2014, 289, 19231-19244.	1.6	63
44	“Rules of Engagement” of Protein-Glycoconjugate Interactions: A Molecular View Achievable by using NMR Spectroscopy and Molecular Modeling. <i>ChemistryOpen</i> , 2016, 5, 274-296.	0.9	62
45	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> , 2007, 13, 3501-3511.	1.7	61
46	Lipopolysaccharide structures from <i>Agrobacterium</i> and <i>Rhizobiaceae</i> species. <i>Carbohydrate Research</i> , 2008, 343, 1924-1933.	1.1	61
47	Specific Hopanoid Classes Differentially Affect Free-Living and Symbiotic States of <i>Bradyrhizobium diazoefficiens</i> . <i>MBio</i> , 2015, 6, e01251-15.	1.8	60
48	OsCERK1 plays a crucial role in the lipopolysaccharide-induced immune response of rice. <i>New Phytologist</i> , 2018, 217, 1042-1049.	3.5	60
49	Chemical and biological properties of the novel exopolysaccharide produced by a probiotic strain of <i>Bifidobacterium longum</i> . <i>Carbohydrate Polymers</i> , 2017, 174, 1172-1180.	5.1	59
50	Molecular Structure of Endotoxins from Gram-negative Marine Bacteria: An Update. <i>Marine Drugs</i> , 2007, 5, 85-112.	2.2	58
51	Biosynthesis and Structure of the <i>Burkholderia cenocepacia</i> K56-2 Lipopolysaccharide Core Oligosaccharide. <i>Journal of Biological Chemistry</i> , 2009, 284, 21738-21751.	1.6	57
52	<i>Lactobacillus crispatus</i> L1: high cell density cultivation and exopolysaccharide structure characterization to highlight potentially beneficial effects against vaginal pathogens. <i>BMC Microbiology</i> , 2014, 14, 137.	1.3	57
53	Insulin-Driven PI3K-AKT Signaling in the Hepatocyte Is Mediated by Redundant PI3K ¹ and PI3K ² Activities and Is Promoted by RAS. <i>Cell Metabolism</i> , 2019, 29, 1400-1409.e5.	7.2	57
54	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.	1.3	56

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55	Complete structural characterization of the lipid A fraction of a clinical strain of <i>B. cepacia</i> genomovar I lipopolysaccharide. <i>Glycobiology</i> , 2005, 15, 561-570.	1.3	55
56	Pairing <i>Bacteroides vulgatus</i> LPS Structure with Its Immunomodulatory Effects on Human Cellular Models. <i>ACS Central Science</i> , 2020, 6, 1602-1616.	5.3	55
57	Determination of fatty acid positions in native lipid A by positive and negative electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004, 39, 378-383.	0.7	51
58	Structural Relationship of the Lipid A Acyl Groups to Activation of Murine Toll-Like Receptor 4 by Lipopolysaccharides from Pathogenic Strains of <i>Burkholderia mallei</i> , <i>Acinetobacter baumannii</i> , and <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Immunology</i> , 2015, 6, 595.	2.2	51
59	An Unusual Galactofuranose Lipopolysaccharide That Ensures the Intracellular Survival of Toxin-Producing Bacteria in Their Fungal Host. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7476-7480.	7.2	50
60	Comparative genomics and biological characterization of sequential <i>Pseudomonas aeruginosa</i> isolates from persistent airways infection. <i>BMC Genomics</i> , 2015, 16, 1105.	1.2	50
61	Patatin-like phospholipase domain containing 3 sequence variant and hepatocellular carcinoma. <i>Hepatology</i> , 2011, 53, 1776-1776.	3.6	49
62	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, 13956-13960.	3.3	49
63	Chemical Synthesis of a Complex-Type N-Glycan Containing a Core Fucose. <i>Journal of Organic Chemistry</i> , 2016, 81, 10600-10616.	1.7	49
64	Liquid-state NMR spectroscopy for complex carbohydrate structural analysis: A hitchhiker's guide. <i>Carbohydrate Polymers</i> , 2022, 277, 118885.	5.1	49
65	X-ray structural studies of the entire extracellular region of the serine/threonine kinase PrkC from <i>Staphylococcus aureus</i> . <i>Biochemical Journal</i> , 2011, 435, 33-41.	1.7	48
66	Distinct carbohydrate and lipid-based molecular patterns within lipopolysaccharides from <i>Burkholderia cepacia</i> contribute to defense-associated differential gene expression in <i>Arabidopsis thaliana</i> . <i>Innate Immunity</i> , 2012, 18, 140-154.	1.1	48
67	Structural elucidation of the O-chain of the lipopolysaccharide from <i>Xanthomonas campestris</i> strain 8004. <i>Carbohydrate Research</i> , 2003, 338, 277-281.	1.1	47
68	Activation of Human Toll-like Receptor 4 (TLR4)-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, 21305-21319.	1.6	47
69	Separation of early and late responses to herbivory in <i>Arabidopsis</i> by changing plasmodesmal function. <i>Plant Journal</i> , 2013, 73, 14-25.	2.8	46
70	Insect Gut Symbiont Susceptibility to Host Antimicrobial Peptides Caused by Alteration of the Bacterial Cell Envelope. <i>Journal of Biological Chemistry</i> , 2015, 290, 21042-21053.	1.6	45
71	The Diversity of the Core Oligosaccharide in Lipopolysaccharides. <i>Sub-Cellular Biochemistry</i> , 2010, 53, 69-99.	1.0	44
72	Capsular Polysaccharide Interferes with Biofilm Formation by <i>Pasteurella multocida</i> Serogroup A. <i>MBio</i> , 2017, 8, .	1.8	44

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73	Cancer Immunotherapy of TLR4 Agonistâ€“Antigen Constructs Enhanced with Pathogenâ€“Mimicking Magnetite Nanoparticles and Checkpoint Blockade of PDâ€“L1. <i>Small</i> , 2019, 15, e1803993.	5.2	44
74	Reflectron MALDI TOF and MALDI TOF/TOF mass spectrometry reveal novel structural details of native lipooligosaccharides. <i>Journal of Mass Spectrometry</i> , 2011, 46, 1135-1142.	0.7	43
75	Cytotoxic 9,10-Dihydrophenanthrenes from <i>Juncus effusus</i> L.. <i>Tetrahedron</i> , 1993, 49, 3425-3432.	1.0	42
76	<i>PNPLA3</i> (rs738409) genetic variant and age at onset of alcohol consumption are independent risk factors for alcoholic cirrhosis. <i>Liver International</i> , 2014, 34, 514-520.	1.9	41
77	The antibacterial toxin colicin <i>N</i> binds to the inner core of lipopolysaccharide and close to its translocator protein. <i>Molecular Microbiology</i> , 2014, 92, 440-452.	1.2	40
78	Caryose: a carbocyclic monosaccharide from <i>Pseudomonas caryophylli</i> . <i>Carbohydrate Research</i> , 1996, 284, 111-118.	1.1	39
79	Chemical structure of two phytotoxic exopolysaccharides produced by <i>Phomopsis foeniculi</i> Presented at the 18th International Carbohydrate Symposium, Milan, Italy, 1996.. <i>Carbohydrate Research</i> , 1998, 308, 349-357.	1.1	39
80	The <i>Pleurotus ostreatus</i> hydrophobin Vmh2 and its interaction with glucans. <i>Glycobiology</i> , 2010, 20, 594-602.	1.3	39
81	Synthesis of bradyrhizose, a unique inositol-fused monosaccharide relevant to a Nod-factor independent nitrogen fixation. <i>Chemical Communications</i> , 2015, 51, 6964-6967.	2.2	39
82	Review article: can bugs be drugs? The potential of probiotics and prebiotics as treatment for nonâ€“alcoholic fatty liver disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2019, 50, 628-639.	1.9	39
83	Giant DNA Virus Mimivirus Encodes Pathway for Biosynthesis of Unusual Sugar 4-Amino-4,6-dideoxy-d-glucose (Viosamine). <i>Journal of Biological Chemistry</i> , 2012, 287, 3009-3018.	1.6	38
84	A novel lipid A from <i>Halomonas magadiensis</i> inhibits enteric LPS-induced human monocyte activation. <i>European Journal of Immunology</i> , 2006, 36, 354-360.	1.6	37
85	Comparative Genomics of Early-Diverging <i>Brucella</i> Strains Reveals a Novel Lipopolysaccharide Biosynthesis Pathway. <i>MBio</i> , 2012, 3, e00246-12.	1.8	37
86	<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> , 2015, 10, 2295-2302.	1.6	36
87	The structures of glycolipids isolated from the highly thermophilic bacterium <i>Thermus thermophilus</i> Samu-SA1. <i>Glycobiology</i> , 2006, 16, 766-775.	1.3	35
88	â€“Linked Glycans of Chloroviruses Sharing a Core Architecture without Precedent. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 654-658.	7.2	35
89	<i>Bifidobacterium bifidum</i> presents on the cell surface a complex mixture of glucans and galactans with different immunological properties. <i>Carbohydrate Polymers</i> , 2019, 218, 269-278.	5.1	35
90	Phenylene metabolites from <i>eichhornia crassipes</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 1992, 2, 311-314.	1.0	34

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91	Conformational Analysis of a Dermatan Sulfate-Derived Tetrasaccharide by NMR, Molecular Modeling, and Residual Dipolar Couplings. <i>ChemBioChem</i> , 2008, 9, 240-252.	1.3	34
92	Structural specificities of cell surface β -glucan polysaccharides determine commensal yeast mediated immuno-modulatory activities. <i>Nature Communications</i> , 2021, 12, 3611.	5.8	34
93	Phytotoxic extracellular polysaccharide fractions from <i>Cryphonectria parasitica</i> (Murr.) Barr strains. <i>Carbohydrate Polymers</i> , 1998, 37, 167-172.	5.1	33
94	Lipopolysaccharides Possessing Two-Glycero-d-manno-heptopyranosyl-(1 \rightarrow 5)-3-deoxy-d-manno-oct-2-ulopyranosonic Acid Moieties in the Core Region. <i>Journal of Biological Chemistry</i> , 2002, 277, 10058-10063.	1.6	33
95	Deciphering the structural and biological properties of the lipid A moiety of lipopolysaccharides from <i>Burkholderia cepacia</i> strain ASP B 2D, in <i>Arabidopsis thaliana</i> . <i>Glycobiology</i> , 2011, 21, 184-194.	1.3	33
96	Comparative Genomics of Early-Diverging <i>Brucella</i> Strains Reveals a Novel Lipopolysaccharide Biosynthesis Pathway. <i>MBio</i> , 2012, 3, e00246-11.	1.8	33
97	Three biologically active phenylpropanoid glucosides from <i>Myriophyllum verticillatum</i> . <i>Phytochemistry</i> , 1992, 31, 109-111.	1.4	32
98	Characterization of liposomes formed by lipopolysaccharides from <i>Burkholderia cenocepacia</i> , <i>Burkholderia multivorans</i> and <i>Agrobacterium tumefaciens</i> : from the molecular structure to the aggregate architecture. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13574.	1.3	32
99	Interaction of lipopolysaccharides at intermolecular sites of the periplasmic Lpt transport assembly. <i>Scientific Reports</i> , 2017, 7, 9715.	1.6	32
100	Structural determination of the phytotoxic mannan exopolysaccharide from <i>Pseudomonas syringae</i> pv. <i>ciccaronei</i> . <i>Carbohydrate Research</i> , 2001, 330, 271-277.	1.1	31
101	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> , 2004, 2004, 2263-2271.	1.2	31
102	<i>Burkholderia cenocepacia</i> lectin A binding to heptoses from the bacterial lipopolysaccharide. <i>Glycobiology</i> , 2012, 22, 1387-1398.	1.3	31
103	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> , 2008, 18, 871-881.	1.3	30
104	Identification, structure, and characterization of an exopolysaccharide produced by <i>Histophilus somni</i> during biofilm formation. <i>BMC Microbiology</i> , 2011, 11, 186.	1.3	30
105	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, 166-175.	1.0	30
106	Host-microbiota interaction induces bi-phasic inflammation and glucose intolerance in mice. <i>Molecular Metabolism</i> , 2017, 6, 1371-1380.	3.0	30
107	A bioactive dihydrodibenzoxepin from <i>Juncus effusus</i> . <i>Phytochemistry</i> , 1993, 34, 1182-1184.	1.4	29
108	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> , 2003, 9, 1542-1548.	1.7	29

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109	Structure of the chlorovirus PBCV-1 major capsid glycoprotein determined by combining crystallographic and carbohydrate molecular modeling approaches. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E44-E52.	3.3	29
110	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectin-1. Angewandte Chemie - International Edition, 2019, 58, 18697-18702.	7.2	29
111	Full structural characterization of the lipid A components from the Agrobacterium tumefaciens strain C58 lipopolysaccharide fraction. Glycobiology, 2004, 14, 805-815.	1.3	28
112	A general protein O-glycosylation machinery conserved in Burkholderia species improves bacterial fitness and elicits glycan immunogenicity in humans. Journal of Biological Chemistry, 2019, 294, 13248-13268.	1.6	27
113	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
114	The Structures of Lipopolysaccharides from Plant-Associated Gram-Negative Bacteria. European Journal of Organic Chemistry, 2009, 2009, 5887-5896.	1.2	26
115	Neutrophil elastase-mediated increase in airway temperature during inflammation. Journal of Cystic Fibrosis, 2014, 13, 623-631.	0.3	26
116	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.	1.1	26
117	Gram-Negative Extremophile Lipopolysaccharides: Promising Source of Inspiration for a New Generation of Endotoxin Antagonists. European Journal of Organic Chemistry, 2017, 2017, 4055-4073.	1.2	26
118	The Lipid A from Rhodopseudomonas palustris Strain BisA53 LPS Possesses a Unique Structure and Low Immunostimulant Properties. Chemistry - A European Journal, 2017, 23, 3637-3647.	1.7	26
119	Lipopolysaccharide from Gut-Associated Lymphoid Tissue Resident <i>Alcaligenes faecalis</i> : Complete Structure Determination and Chemical Synthesis of Its Lipid A. Angewandte Chemie - International Edition, 2021, 60, 10023-10031.	7.2	26
120	Full Structural Characterisation of the Lipooligosaccharide of a Burkholderia pyrrocinia Clinical Isolate. European Journal of Organic Chemistry, 2006, 2006, 4874-4883.	1.2	25
121	Detailed characterization of the lipid A fraction from the nonpathogen Acinetobacter radioresistens strain S13. Journal of Lipid Research, 2007, 48, 1045-1051.	2.0	25
122	NMR Spectroscopic Analysis Reveals Extensive Binding Interactions of Complex Xyloglucan Oligosaccharides with the <i>Cellvibrio japonicus</i> Glycoside Hydrolase Family 31 α -Xylosidase. Chemistry - A European Journal, 2012, 18, 13395-13404.	1.7	25
123	Structural features and immunological perception of the cell surface glycans of Lactobacillus plantarum: a novel rhamnose-rich polysaccharide and teichoic acids. Carbohydrate Polymers, 2020, 233, 115857.	5.1	25
124	Lipopolysaccharides. , 2010, , 133-153.		25
125	Improvement of nutritional status in malnourished cirrhotic patients one year after liver transplantation. European E-journal of Clinical Nutrition and Metabolism, 2011, 6, e142-e147.	0.4	24
126	A Unique Bicyclic Monosaccharide from the <i>Bradyrhizobium</i> Lipopolysaccharide and Its Role in the Molecular Interaction with Plants. Angewandte Chemie - International Edition, 2011, 50, 12610-12612.	7.2	24

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127	Chemistry and Biology of the Potent Endotoxin from a <i>Burkholderia dolosa</i> Clinical Isolate from a Cystic Fibrosis Patient. <i>ChemBioChem</i> , 2013, 14, 1105-1115.	1.3	24
128	Giant Virus Megavirus chilensis Encodes the Biosynthetic Pathway for Uncommon Acetamido Sugars. <i>Journal of Biological Chemistry</i> , 2014, 289, 24428-24439.	1.6	24
129	The lipopolysaccharide core oligosaccharide of <i>Burkholderia</i> plays a critical role in maintaining a proper gut symbiosis with the bean bug <i>Riptortus pedestris</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 19226-19237.	1.6	24
130	Carbohydrate-based adjuvants. <i>Drug Discovery Today: Technologies</i> , 2020, 35-36, 57-68.	4.0	24
131	Unveiling Molecular Recognition of Sialoglycans by Human Siglec-10. <i>IScience</i> , 2020, 23, 101231.	1.9	24
132	(20S)-4-methyl-24-methylenecholest-7-en-3-ol, an allelopathic sterol from <i>Typha latifolia</i> . <i>Phytochemistry</i> , 1990, 29, 1797-1798.	1.4	23
133	Synthesis of Bradyrhizose Oligosaccharides Relevant to the <i>Bradyrhizobium</i> Antigen. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2092-2096.	7.2	22
134	The complete structure of the lipooligosaccharide from the halophilic bacterium <i>Pseudoalteromonas issachenkonii</i> KMM 3549T. <i>Carbohydrate Research</i> , 2004, 339, 1985-1993.	1.1	21
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