

Domenico Garozzo

List of Publications by Year in descending order

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160
papers

5,242
citations

76326

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118850

62
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170
all docs

170
docs citations

170
times ranked

5454
citing authors

#	ARTICLE	IF	CITATIONS
1	β^2 -Amyloid Monomers Are Neuroprotective. <i>Journal of Neuroscience</i> , 2009, 29, 10582-10587.	3.6	350
2	Molecular and Structural Characterization of Polydisperse Polymers and Copolymers by Combining MALDI-TOF Mass Spectrometry with GPC Fractionation. <i>Macromolecules</i> , 1995, 28, 7983-7989.	4.8	190
3	Determination of linkage position and identification of the reducing end in linear oligosaccharides by negative ion fast atom bombardment mass spectrometry. <i>Analytical Chemistry</i> , 1990, 62, 279-286.	6.5	170
4	DPM2 α CDG: A muscular dystrophy α CDG dystroglycanopathy syndrome with severe epilepsy. <i>Annals of Neurology</i> , 2012, 72, 550-558.	5.3	121
5	Hypoglycosylation with increased fucosylation and branching of serum transferrin N-glycans in untreated galactosemia. <i>Glycobiology</i> , 2005, 15, 1268-1276.	2.5	107
6	Matrix-assisted laser desorption/ionization mass spectrometry of polysaccharides. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 937-941.	1.5	96
7	Identification of adulteration in milk by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2001, 36, 1031-1037.	1.6	95
8	New fragmentation mechanisms in matrix-assisted laser desorption/ionization time-of-flight/time-of-flight tandem mass spectrometry of carbohydrates. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 392-398.	1.5	95
9	Primary thermal decomposition processes in aliphatic polyesters investigated by chemical ionization mass spectrometry. <i>Macromolecules</i> , 1986, 19, 1643-1649.	4.8	89
10	Identification of adulteration in water buffalo mozzarella and in ewe cheese by using whey proteins as biomarkers and matrix-assisted laser desorption/ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2002, 37, 985-991.	1.6	89
11	Covalently linked hopanoid-lipid A improves outer-membrane resistance of a Bradyrhizobium symbiont of legumes. <i>Nature Communications</i> , 2014, 5, 5106.	12.8	88
12	CSF N-glycoproteomics for early diagnosis in Alzheimer's disease. <i>Journal of Proteomics</i> , 2016, 131, 29-37.	2.4	79
13	Primary thermal decomposition processes in aliphatic polyamides. <i>Polymer Degradation and Stability</i> , 1989, 23, 25-41.	5.8	74
14	Inclusion Networks of a Calix[5]arene-Based Exoditopic Receptor and Long-Chain Alkyldiammonium Ions. <i>Organic Letters</i> , 2003, 5, 4025-4028.	4.6	66
15	A Calix[5]arene-Based Heterotetrapotic Host for Molecular Recognition of Long-Chain, Ion-Paired β -Alkanediylammonium Salts. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4892-4896.	13.8	66
16	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.	1.5	64
17	MAN1B1 Deficiency: An Unexpected CDG-II. <i>PLoS Genetics</i> , 2013, 9, e1003989.	3.5	63
18	Linkage analysis in disaccharides by electrospray mass spectrometry. <i>Carbohydrate Research</i> , 1991, 221, 253-257.	2.3	61

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19	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.	3.3	61
20	Sequencing bacterial poly(β -hydroxybutyrate-co- β -hydroxyvalerate) by partial methanolysis, HPLC fractionation, and fast-atom-bombardment mass spectrometry analysis. <i>Macromolecules</i> , 1989, 22, 2107-2111.	4.8	59
21	Multivalent binding of galactosylated cyclodextrin vesicles to lectin. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 957-960.	2.8	58
22	Mass spectral characterization and thermal decomposition mechanism of poly(dimethylsiloxane). <i>Macromolecules</i> , 1984, 17, 1312-1315.	4.8	57
23	Self-Assembly Dynamics of Modular Homoditopic Bis-calix[5]arenes and Long-Chain β -Alkanediyl-diammonium Components. <i>Journal of Organic Chemistry</i> , 2008, 73, 7280-7289.	3.2	57
24	Coffee enhances the expression of chaperones and antioxidant proteins in rats with nonalcoholic fatty liver disease. <i>Translational Research</i> , 2014, 163, 593-602.	5.0	57
25	The Acylation and Phosphorylation Pattern of Lipid A from <i>Xanthomonas Campestris</i> Strongly Influence its Ability to Trigger the Innate Immune Response in Arabidopsis. <i>ChemBioChem</i> , 2008, 9, 896-904.	2.6	56
26	Mutations in SLC35A3 cause autism spectrum disorder, epilepsy and arthrogyriposis. <i>Journal of Medical Genetics</i> , 2013, 50, 733-739.	3.2	55
27	Mechanism of thermal decomposition of nylon 66. <i>Macromolecules</i> , 1987, 20, 2991-2997.	4.8	52
28	Quantitative applications of matrix-assisted laser desorption/ionization with time-of-flight mass spectrometry: Determination of copolymer composition in bacterial copolyesters. <i>Rapid Communications in Mass Spectrometry</i> , 1993, 7, 1033-1036.	1.5	51
29	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.	4.8	51
30	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.	7.1	49
31	Glycomics of pediatric and adulthood diseases of the central nervous system. <i>Journal of Proteomics</i> , 2012, 75, 5123-5139.	2.4	47
32	Syntheses, Structures, and Anion-Binding Properties of Two Novel Calix[2]benzo[4]pyrroles. <i>Chemistry - A European Journal</i> , 2007, 13, 649-656.	3.3	46
33	Neuraminidases 3 and 4 regulate neuronal function by catabolizing brain gangliosides. <i>FASEB Journal</i> , 2017, 31, 3467-3483.	0.5	46
34	Microstructure of bacterial poly(β -hydroxybutyrate-co- β -hydroxyvalerate) by fast atom bombardment mass spectrometry analysis of the partial pyrolysis products. <i>Macromolecules</i> , 1991, 24, 1231-1236.	4.8	44
35	Multiplexed glycoproteomic analysis of glycosylation disorders by sequential yolk immunoglobulins immunoseparation and MALDI-TOF MS. <i>Proteomics</i> , 2008, 8, 3822-3832.	2.2	44
36	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.	1.6	43

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37	Bone Dysplasia as a Key Feature in Three Patients with a Novel Congenital Disorder of Glycosylation (CDG) Type II Due to a Deep Intronic Splice Mutation in TMEM165. <i>JIMD Reports</i> , 2012, 8, 145-152.	1.5	43
38	The impact of mass spectrometry in the diagnosis of congenital disorders of glycosylation. <i>Journal of Inherited Metabolic Disease</i> , 2011, 34, 891-899.	3.6	42
39	Structural analysis of the polysaccharides from <i>Echinacea angustifolia radix</i> . <i>Carbohydrate Polymers</i> , 2006, 65, 263-272.	10.2	41
40	Analytical degradation: An approach to the structural analysis of microbial polyesters by different methods. <i>Journal of Analytical and Applied Pyrolysis</i> , 1989, 16, 239-253.	5.5	40
41	Exopolysaccharides produced by a clinical strain of <i>Burkholderia cepacia</i> isolated from a cystic fibrosis patient. <i>Carbohydrate Research</i> , 2003, 338, 2687-2695.	2.3	40
42	Identification of human tear fluid biomarkers in vernal keratoconjunctivitis using iTRAQ quantitative proteomics. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2014, 69, 254-260.	5.7	40
43	A nationwide survey of PMM2-CDG in Italy: high frequency of a mild neurological variant associated with the L32R mutation. <i>Journal of Neurology</i> , 2015, 262, 154-164.	3.6	40
44	The structure of the exocellular polysaccharide from the cyanobacterium <i>Cyanospira capsulata</i> . <i>Carbohydrate Research</i> , 1998, 307, 113-124.	2.3	39
45	SLC35A2-CDG: Functional characterization, expanded molecular, clinical, and biochemical phenotypes of 30 unreported Individuals. <i>Human Mutation</i> , 2019, 40, 908-925.	2.5	39
46	Thermal decomposition processes in aliphatic-aromatic polyamides investigated by mass spectrometry. <i>Macromolecules</i> , 1986, 19, 2693-2699.	4.8	38
47	Study of the inclusion complexes of aromatic molecules with cyclodextrins using ionspray mass spectrometry. <i>Carbohydrate Research</i> , 1996, 290, 105-115.	2.3	38
48	Mutation and Suppressor Analysis of the Essential Lipopolysaccharide Transport Protein LptA Reveals Strategies To Overcome Severe Outer Membrane Permeability Defects in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	36
49	Proteomics of gluten: mapping of subunit 1 Ax2* in Cheyenne cultivar by matrix-assisted laser desorption/ionization. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1129-1135.	1.5	35
50	Guest-induced capsular assembly of calix[5]arenes. <i>Tetrahedron Letters</i> , 2002, 43, 7663-7667.	1.4	35
51	N-Linked Glycans of Chloroviruses Sharing a Core Architecture without Precedent. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 654-658.	13.8	35
52	Structure of underivatized branched oligosaccharides by negative-ion fast-atom bombardment mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 550-552.	1.5	34
53	New results on matrix-assisted laser desorption/ionization mass spectrometry of widely polydisperse hydrosoluble polymers. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1599-1603.	1.5	34
54	A new mutation in COG7 extends the spectrum of COG subunit deficiencies. <i>European Journal of Medical Genetics</i> , 2009, 52, 303-305.	1.3	34

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55	Determination of linkage position in disaccharides by negative-ion fast-atom bombardment mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1989, 3, 302-304.	1.5	33
56	Quantitative determination of Î²(1-2) cyclic glucans by matrix-assisted laser desorption mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 358-360.	1.5	33
57	Sequencing of oligosaccharides by collision-induced dissociation matrix-assisted laser desorption/ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2000, 35, 1042-1048.	1.6	33
58	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.	2.4	31
59	Mass spectrometry in the characterization of human genetic N-glycosylation defects. <i>Mass Spectrometry Reviews</i> , 2009, 28, 517-542.	5.4	31
60	COG5-CDG with a Mild Neurohepatic Presentation. <i>JIMD Reports</i> , 2011, 3, 67-70.	1.5	31
61	From calixfurans to heterocyclophanes containing isopyrazole units. <i>Tetrahedron</i> , 2004, 60, 1895-1902.	1.9	30
62	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.	2.5	30
63	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.	2.2	30
64	Matrix-assisted laser desorption/ionization mass spectrometric peptide mapping of high molecular weight glutenin subunits 1Bx7 and 1Dy10 in Cheyenne cultivar. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 778-787.	1.5	29
65	Deficiency of Subunit 6 of the Conserved Oligomeric Golgi Complex (COG6-CDG): Second Patient, Different Phenotype. <i>JIMD Reports</i> , 2011, 4, 103-108.	1.5	29
66	Identification of the ions produced by fast atom bombardment mass spectrometry in some polyesters and polyamides. <i>Analytical Chemistry</i> , 1987, 59, 2024-2027.	6.5	28
67	Discrimination of isomeric oligosaccharides and sequencing of unknowns by post source decay matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1997, 11, 1561-1566.	1.5	27
68	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> , 2004, 271, 2691-2704.	0.2	26
69	Lower rim arylation of calix[n]arenes with extended perfluorinated domains. <i>Tetrahedron Letters</i> , 2006, 47, 9049-9052.	1.4	26
70	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> , 2016, 427, 38-43.	2.3	26
71	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> , 2017, 23, 3637-3647.	3.3	26
72	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> , 2021, 60, 10023-10031.	13.8	26

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73	Synthesis of 5,5â€-Bicalix[6]arene and 5,5â€-Bicalix[8]arene Systems. Journal of Organic Chemistry, 1999, 64, 8018-8020.	3.2	25
74	Full Structural Characterisation of the Lipooligosaccharide of aBurkholderiapyrrocinia Clinical Isolate. European Journal of Organic Chemistry, 2006, 2006, 4874-4883.	2.4	25
75	Detailed characterization of the lipid A fraction from the nonpathogen Acinetobacter radioresistens strain S13. Journal of Lipid Research, 2007, 48, 1045-1051.	4.2	25
76	CSF Nâ€glycan profile reveals sialylation deficiency in a patient with GM2 gangliosidosis presenting as childhood disintegrative disorder. Autism Research, 2016, 9, 423-428.	3.8	25
77	Hypoacylated LPS from Foodborne Pathogen Campylobacter jejuni Induces Moderate TLR4-Mediated Inflammatory Response in Murine Macrophages. Frontiers in Cellular and Infection Microbiology, 2018, 8, 58.	3.9	25
78	Thermal decomposition processes in aromatic-aliphatic polyamides investigated by mass spectrometry. Journal of Polymer Science Part A, 1987, 25, 1049-1063.	2.3	24
79	Studies on the primary structure of short polysaccharides using SEC MALDI mass spectrometry. Carbohydrate Research, 1999, 323, 139-146.	2.3	24
80	Chemistry and Biology of the Potent Endotoxin from a <i>Burkholderia dolosa</i> Clinical Isolate from a Cystic Fibrosis Patient. ChemBioChem, 2013, 14, 1105-1115.	2.6	24
81	Proteomics of gluten: mapping of the 1Bx7 glutenin subunit in Chinese Spring cultivar by matrix-assisted laser desorption/ionization. Rapid Communications in Mass Spectrometry, 2005, 19, 2069-2074.	1.5	22
82	<scp>MALDIâ€MS</scp> profiling of serum <i>O</i>-glycosylation and <i>N</i>-glycosylation in <scp>COG5â€CDG</scp>. Journal of Mass Spectrometry, 2017, 52, 372-377.	1.6	22
83	Effect of methylation of Î²-cyclodextrin on the formation of inclusion complexes with aromatic compounds. An ionspray mass spectrometry investigation. Carbohydrate Research, 1997, 302, 1-6.	2.3	21
84	The complete structure of the lipooligosaccharide from the halophilic bacterium Pseudoalteromonas issachenkonii KMM 3549T. Carbohydrate Research, 2004, 339, 1985-1993.	2.3	21
85	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
86	Structural determination of lipid A of the lipopolysaccharide from Pseudomonas reactans. FEBS Journal, 2002, 269, 2498-2505.	0.2	20
87	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
88	Structural elucidation of the core-lipid A backbone from the lipopolysaccharide of Acinetobacter radioresistens S13, an organic solvent tolerant Gram-negative bacterium. Carbohydrate Research, 2006, 341, 582-590.	2.3	20
89	Thermophiles as Potential Source of Novel Endotoxin Antagonists: the Full Structure and Bioactivity of theLipoâ€oligosaccharide from <i>Thermomonas hydrothermalis</i>. ChemBioChem, 2014, 15, 2146-2155.	2.6	20
90	HILIC-UPLC-MS for high throughput and isomeric N-glycan separation and characterization in Congenital Disorders Glycosylation and human diseases. Glycoconjugate Journal, 2021, 38, 201-211.	2.7	20

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91	Odd-electron molecular ion and loss of toluene in fast atom bombardment mass spectra of some carotenoids. <i>Organic Mass Spectrometry</i> , 1990, 25, 137-140.	1.3	19
92	Identification of N-acetylglucosamine and 4-O-[1-carboxyethyl]mannose in the exopolysaccharide from <i>Cyanospira capsulata</i> . <i>Carbohydrate Research</i> , 1995, 270, 97-106.	2.3	19
93	Structural characterization of the carbohydrate backbone of the lipooligosaccharide of the marine bacterium <i>Arenibacter certesii</i> strain KMM 3941T. <i>Carbohydrate Research</i> , 2005, 340, 2540-2549.	2.3	19
94	Full structural characterization of <i>Shigella flexneri</i> M90T serotype 5 wild-type R-LPS and its Δ galU mutant: glycine residue location in the inner core of the lipopolysaccharide. <i>Glycobiology</i> , 2007, 18, 260-269.	2.5	19
95	Investigation of bacterial resistance to the immune system response: Cepacian depolymerisation by reactive oxygen species. <i>Innate Immunity</i> , 2012, 18, 661-671.	2.4	19
96	Mass spectrometric characterization of poly(ethylene terephthalate-co-p-oxybenzoate). <i>Journal of Polymer Science Part A</i> , 1987, 25, 271-284.	2.3	18
97	The Deep-Sea Polyextremophile <i>Halobacteroides lacunaris</i> TB21 Rough-Type LPS: Structure and Inhibitory Activity towards Toxic LPS. <i>Marine Drugs</i> , 2017, 15, 201.	4.6	18
98	Structural Analysis of the Deep Rough Lipopolysaccharide from Gram Negative Bacterium <i>Alteromonas macleodii</i> ATCC 27126T: The First Finding of β -Kdo in the Inner Core of Lipopolysaccharides. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4710-4716.	2.4	16
99	Clinical phenotype correlates to glycoprotein phenotype in a sib pair with CDG. <i>American Journal of Medical Genetics, Part A</i> , 2008, 146A, 2103-2108.	1.2	16
100	First structural characterization of <i>Burkholderia vietnamiensis</i> lipooligosaccharide from cystic fibrosis-associated lung transplantation strains. <i>Glycobiology</i> , 2009, 19, 1214-1223.	2.5	16
101	Recessive mutations in <i>SLC35A3</i> cause early onset epileptic encephalopathy with skeletal defects. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, 1119-1123.	1.2	16
102	ALG12-CDG: novel glyco-phenotype insights endorse the molecular defect. <i>Glycoconjugate Journal</i> , 2019, 36, 461-472.	2.7	16
103	Chemically modified tetranitro-oxalix[4]arenes: Synthesis and conformational preferences of tetra-N-(1-octyl)ureido-oxalix[4]arenes. <i>Arkivoc</i> , 2009, 2009, 199-211.	0.5	16
104	Fast atom bombardment mass spectrometry identification of oligomers contained in poly(ϵ -caprolactam) and poly(butylene isophthalate). <i>Macromolecules</i> , 1987, 20, 1029-1032.	4.8	15
105	The N-glycan structures of the antigenic variants of chlorovirus PBCV-1 major capsid protein help to identify the virus-encoded glycosyltransferases. <i>Journal of Biological Chemistry</i> , 2019, 294, 5688-5699.	3.4	15
106	Identification of polymers by library search of pyrolysis mass spectra and pattern recognition analysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 1985, 9, 1-17.	5.5	14
107	Primary thermal fragmentation processes in poly(lactic acid) investigated by positive and negative chemical ionization mass spectrometry. <i>Polymer Degradation and Stability</i> , 1986, 15, 143-149.	5.8	14
108	Borderline mental development in a congenital disorder of glycosylation (CDG) type Ia patient with multisystemic involvement (intermediate phenotype). <i>Journal of Inherited Metabolic Disease</i> , 2007, 30, 107-107.	3.6	14

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109	CSF N-Glycomics Using MALDI MS Techniques in Alzheimer's Disease. <i>Methods in Molecular Biology</i> , 2018, 1750, 75-91.	0.9	14
110	Use of hydroxyacetophenones as matrices for the analysis of high molecular weight glutenin mixtures by matrix-assisted laser desorption/ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1999, 13, 2084-2089.		13
111	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> , 2005, 340, 1475-1482.	2.3	13
112	Structure of the Lipopolysaccharide from the <i>Bradyrhizobium</i> sp. ORS285 <i>rfaL</i> Mutant Strain. <i>ChemistryOpen</i> , 2017, 6, 541-553.	1.9	13
113	Mixtures of cyclic oligomers of poly(lactic acid) analyzed by negative chemical ionization and thermospray mass spectrometry. <i>Polymer Bulletin</i> , 1986, 15, 353.	3.3	12
114	Primary thermal fragmentation processes in poly(ethylene oxalate) investigated by mass spectrometry. <i>Polymer Degradation and Stability</i> , 1988, 21, 311-321.	5.8	12
115	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.	2.4	12
116	<i>Xanthomonas citri</i> pv. <i>citri</i> Pathotypes: LPS Structure and Function as Microbe-Associated Molecular Patterns. <i>ChemBioChem</i> , 2017, 18, 772-781.	2.6	12
117	Chlorovirus PBCV-1 protein A064R has three of the transferase activities necessary to synthesize its capsid protein N-linked glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28735-28742.	7.1	12
118	Direct mass spectrometry of polymers. XIV. Thermal fragmentation processes in poly-schiff bases. <i>Journal of Polymer Science Part A</i> , 1986, 24, 331-346.	2.3	11
119	Thermal decomposition processes in polyhydrazides and polyoxamides investigated by mass spectrometry. <i>Polymer</i> , 1987, 28, 139-146.	3.8	11
120	Sequence distribution of β -hydroxyalkanoate units in bacterial copolyesters determined by desorption chemical ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 702-706.	1.5	11
121	Synthesis and characterization of poly(amidoamine)-platinum(II) complexes. Detailed speciation by Matrix-Assisted Laser Desorption Ionization Mass Spectrometry. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 1978-1985.	1.8	11
122	Long-standing mild hypertransaminasaemia caused by congenital disorder of glycosylation (CDG) type IIX. <i>Journal of Inherited Metabolic Disease</i> , 2008, 31, 437-440.	3.6	11
123	The structure of the carbohydrate backbone of the lipooligosaccharide from the halophilic bacterium <i>Arcobacter halophilus</i> . <i>Carbohydrate Research</i> , 2010, 345, 850-853.	2.3	11
124	Against the rules: A marine bacterium, <i>Loktanella rosea</i> , possesses a unique lipopolysaccharide. <i>Glycobiology</i> , 2010, 20, 586-593.	2.5	11
125	<i>Prevotella denticola</i> Lipopolysaccharide from a Cystic Fibrosis Isolate Possesses a Unique Chemical Structure. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1732-1738.	2.4	11
126	Structure of the unusual <i>Sinorhizobium fredii</i> HH103 lipopolysaccharide and its role in symbiosis. <i>Journal of Biological Chemistry</i> , 2020, 295, 10969-10987.	3.4	11

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127	Thermal degradation processes of polyamides investigated by collision activated decomposition mass spectrometry/mass spectrometry. <i>Polymer Degradation and Stability</i> , 1986, 16, 337-346.	5.8	10
128	Self-assembly of a nucleotide-calixarene hybrid in a triangular supramolecule. <i>Tetrahedron Letters</i> , 2007, 48, 7974-7977.	1.4	10
129	O-Acetyl location on Cepacian, the principal exopolysaccharide of <i>Burkholderia cepacia</i> complex bacteria. <i>Carbohydrate Research</i> , 2011, 346, 2905-2912.	2.3	10
130	Tear glycomics in vernal and atopic keratoconjunctivitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 2500-2509.	5.7	10
131	Microstructure of Bacterial Poly(¹² -Hydroxybutyrate-co- ¹² -Hydroxyvalerate) by Fast Atom Bombardment Mass Spectrometry Analysis of Their Partial Degradation Products. , 1990, , 49-64.		9
132	Structural Determination of the O-Chain Moieties of the Lipopolysaccharide Fraction from <i>Agrobacterium radiobacter</i> DSM 30147. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 3842-3849.	2.4	9
133	Lipid A Structure and Immunoinhibitory Effect of the Marine Bacterium <i>Cobetia pacifica</i> KMM 3879. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2707-2716.	2.4	9
134	The structure of the carbohydrate backbone of the lipooligosaccharide from an alkaliphilic <i>Halomonas</i> sp.. <i>Carbohydrate Research</i> , 2010, 345, 1971-1975.	2.3	8
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