

# Antonio Molinaro

## List of Publications by Year in Descending Order

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

325  
papers

9,244  
citations

44  
h-index

81  
g-index

350  
ext. papers

11,176  
ext. citations

6.4  
avg, IF

5.98  
L-index

#	Paper	IF	Citations
325	Structure and Conformation Study of the O-Antigen from the Lipopolysaccharide of <i>Cupriavidus Metallidurans</i> CH34. <i>Polysaccharides</i> , <b>2022</b> , 3, 188-199	3	
324	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
323	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
322	Bile acid metabolism and FXR-mediated effects in human cholestatic liver disorders.. <i>Biochemical Society Transactions</i> , <b>2022</b> ,	5.1	2
321	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
320	Characterization of Natural and Synthetic Sialoglycans Targeting the Hemagglutinin-Neuraminidase of Mumps Virus. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 711346	5	
319	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
318	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
317	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
316	Rational Vaccine Design in Times of Emerging Diseases: The Critical Choices of Immunological Correlates of Protection, Vaccine Antigen and Immunomodulation. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
315	Investigation of protein-ligand complexes by ligand-based NMR methods. <i>Carbohydrate Research</i> , <b>2021</b> , 503, 108313	2.9	9
314	Structural characterisation of the oligosaccharide from <i>Moraxella bovoculi</i> type strain 237 (ATCC BAA-1259) lipooligosaccharide. <i>Carbohydrate Research</i> , <b>2021</b> , 503, 108293	2.9	0
313	Propranolol-induced hallucinations mimicking encephalopathy in a patient with liver cirrhosis. <i>Scandinavian Journal of Gastroenterology</i> , <b>2021</b> , 56, 829-831	2.4	1
312	Solving the structural puzzle of bacterial glycome. <i>Current Opinion in Structural Biology</i> , <b>2021</b> , 68, 74-83	8.1	3
311	Structural specificities of cell surface $\beta$ -glucan polysaccharides determine commensal yeast mediated immuno-modulatory activities. <i>Nature Communications</i> , <b>2021</b> , 12, 3611	17.4	9
310	The Propensity of the Human Liver to Form Large Lipid Droplets Is Associated with PNPLA3 Polymorphism, Reduced INSIG1 and NPC1L1 Expression and Increased Fibrogenetic Capacity. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
309	A Journey from Structure to Function of Bacterial Lipopolysaccharides. <i>Chemical Reviews</i> , <b>2021</b> ,	68.1	13

308	A chronic strain of the cystic fibrosis pathogen <i>Pandora</i> pulmonicola expresses a heterogenous hypo-acylated lipid A. <i>Glycoconjugate Journal</i> , <b>2021</b> , 38, 135-144	3	1
307	Structure of the O-Antigen and the Lipid A from the Lipopolysaccharide of <i>Fusobacterium nucleatum</i> ATCC 51191. <i>ChemBioChem</i> , <b>2021</b> , 22, 1252-1260	3.8	2
306	The Peculiar Structure of <i>Acetobacter pasteurianus</i> CIP103108 LPS Core Oligosaccharide. <i>ChemBioChem</i> , <b>2021</b> , 22, 147-150	3.8	
305	Glycans in Bacterial Infections: Gram-Negative Infections in the Respiratory Tract <b>2021</b> , 233-249		1
304	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
303	Expanding the Occurrence of Polysaccharides to the Viral World: The Case of Mimivirus. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 20050-20057	3.6	0
302	Expanding the Occurrence of Polysaccharides to the Viral World: The Case of Mimivirus. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 19897-19904	16.4	1
301	Lipopolysaccharide lipid A: A promising molecule for new immunity-based therapies and antibiotics. <i>Pharmacology &amp; Therapeutics</i> , <b>2021</b> , 230, 107970	13.9	4
300	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
299	Gut microbiota depletion exacerbates cholestatic liver injury via loss of FXR signalling. <i>Nature Metabolism</i> , <b>2021</b> , 3, 1228-1241	14.6	8
298	Chemical Synthesis of Sialyl N-Glycans and Analysis of Their Recognition by Neuraminidase. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 24891	3.6	
297	Behavior of glycolylated sialoglycans in the binding pockets of murine and human CD22. <i>IScience</i> , <b>2021</b> , 24, 101998	6.1	4
296	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
295	Overexpression of Gene in Inhibits Cell Division and Causes Envelope Defects without Changing the Overall Phosphorylation Level of Lipid A. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	2
294	Adaptive defence-related changes in the metabolome of <i>Sorghum bicolor</i> cells in response to lipopolysaccharides of the pathogen <i>Burkholderia andropogonis</i> . <i>Scientific Reports</i> , <b>2020</b> , 10, 7626	4.9	10
293	Biopolymer Skeleton Produced by <i>Rhizobium radiobacter</i> : Stoichiometric Alternation of Glycosidic and Amidic Bonds in the Lipopolysaccharide O-Antigen. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6368-6374	16.4	4
292	Biopolymer Skeleton Produced by <i>Rhizobium radiobacter</i> : Stoichiometric Alternation of Glycosidic and Amidic Bonds in the Lipopolysaccharide O-Antigen. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6430-6436	3.6	2
291	Structural features and immunological perception of the cell surface glycans of <i>Lactobacillus plantarum</i> : a novel rhamnose-rich polysaccharide and teichoic acids. <i>Carbohydrate Polymers</i> , <b>2020</b> , 233, 115857	10.3	11

290	Hepatic expression of lipopolysaccharide-binding protein (Lbp) is induced by the gut microbiota through Myd88 and impairs glucose tolerance in mice independent of obesity. <i>Molecular Metabolism</i> , <b>2020</b> , 37, 100997	8.8	7
289	Structural basis for Glycan-receptor binding by mumps virus hemagglutinin-neuraminidase. <i>Scientific Reports</i> , <b>2020</b> , 10, 1589	4.9	11
288	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> , <b>2020</b> , 117, 28735-28742	11.5	6
287	Carbohydrate-based adjuvants. <i>Drug Discovery Today: Technologies</i> , <b>2020</b> , 35-36, 57-68	7.1	10
286	Imidazole propionate is increased in diabetes and associated with dietary patterns and altered microbial ecology. <i>Nature Communications</i> , <b>2020</b> , 11, 5881	17.4	29
285	Microbial Imidazole Propionate Affects Responses to Metformin through p38 $\beta$ -Dependent Inhibitory AMPK Phosphorylation. <i>Cell Metabolism</i> , <b>2020</b> , 32, 643-653.e4	24.6	36
284	Unveiling Molecular Recognition of Sialoglycans by Human Siglec-10. <i>iScience</i> , <b>2020</b> , 23, 101231	6.1	13
283	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
282	Chemical synthesis of glycans up to a 128-mer relevant to the O-antigen of <i>Bacteroides vulgatus</i> . <i>Nature Communications</i> , <b>2020</b> , 11, 4142	17.4	26
281	Characterisation of the Dynamic Interactions between Complex N-Glycans and Human CD22. <i>ChemBioChem</i> , <b>2020</b> , 21, 129-140	3.8	12
280	A two gene-based risk score predicts alcoholic cirrhosis development in males with at-risk alcohol consumption. <i>The Application of Clinical Genetics</i> , <b>2019</b> , 12, 1-10	3.1	7
279	Donor Small-Droplet Macrovesicular Steatosis Affects Liver Transplant Outcome in HCV-Negative Recipients. <i>Canadian Journal of Gastroenterology and Hepatology</i> , <b>2019</b> , 2019, 5862985	2.8	6
278	<i>Bifidobacterium bifidum</i> presents on the cell surface a complex mixture of glucans and galactans with different immunological properties. <i>Carbohydrate Polymers</i> , <b>2019</b> , 218, 269-278	10.3	22
277	<i>Novosphingobium</i> sp. PP1Y as a novel source of outer membrane vesicles. <i>Journal of Microbiology</i> , <b>2019</b> , 57, 498-508	3	1
276	Liver-specific ROR $\alpha$ deletion does not affect the metabolic susceptibility to western style diet feeding. <i>Molecular Metabolism</i> , <b>2019</b> , 23, 82-87	8.8	3
275	Insulin-Driven PI3K-AKT Signaling in the Hepatocyte Is Mediated by Redundant PI3K $\beta$ and PI3K $\delta$ Activities and Is Promoted by RAS. <i>Cell Metabolism</i> , <b>2019</b> , 29, 1400-1409.e5	24.6	23
274	The -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> , <b>2019</b> , 294, 5688-5699	5.4	8
273	Weak Agonistic LPS Restores Intestinal Immune Homeostasis. <i>Molecular Therapy</i> , <b>2019</b> , 27, 1974-1991	11.7	29

272	Review article: can bugs be drugs? The potential of probiotics and prebiotics as treatment for non-alcoholic fatty liver disease. <i>Alimentary Pharmacology and Therapeutics</i> , <b>2019</b> , 50, 628-639	6.1	19
271	A general protein glycosylation machinery conserved in species improves bacterial fitness and elicits glycan immunogenicity in humans. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 13248-13268	5.4	16
270	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectin-1. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18697-18702	16.4	22
269	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
268	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectin-1. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18870-18875	3.6	1
267	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
266	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
265	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
264	A Convergent Route to Enantiomers of the Bicyclic Monosaccharide Bradyrhizose Leads to Insight into the Bioactivity of an Immunologically Silent Lipopolysaccharide. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 14-41	4.2	9
263	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
262	Hopanoid lipids: from membranes to plant-bacteria interactions. <i>Nature Reviews Microbiology</i> , <b>2018</b> , 16, 304-315	22.2	91
261	Human caspase-4 detects tetra-acylated LPS and cytosolic Francisella and functions differently from murine caspase-11. <i>Nature Communications</i> , <b>2018</b> , 9, 242	17.4	82
260	Structure of the chlorovirus PBCV-1 major capsid glycoprotein determined by combining crystallographic and carbohydrate molecular modeling approaches. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E44-E52	11.5	17
259	Lipid A Structure and Immunoinhibitory Effect of the Marine Bacterium Cobetia pacifica KMM 3879T. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 2707-2716	3.2	5
258	The Structure of the Lipid A from the Halophilic Bacterium Spiribacter salinus M19-40. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	4
257	Zymomonas mobilis exopolysaccharide structure and role in high ethanol tolerance. <i>Carbohydrate Polymers</i> , <b>2018</b> , 201, 293-299	10.3	12
256	Structure and inflammatory activity of the LPS isolated from Acetobacter pasteurianus CIP103108. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 1027-1035	7.9	14
255	Rhodospseudomonas palustris 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

254	Role of Bile Acids in Metabolic Control. <i>Trends in Endocrinology and Metabolism</i> , <b>2018</b> , 29, 31-41	8.8	178
253	OscCERK1 plays a crucial role in the lipopolysaccharide-induced immune response of rice. <i>New Phytologist</i> , <b>2018</b> , 217, 1042-1049	9.8	41
252	Role of a fluid-phase PRR in fighting an intracellular pathogen: PTX3 in Shigella infection. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007469	7.6	8
251	Biophysical Approaches to Solve the Structures of the Complex Glycan Shield of Chloroviruses. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1104, 237-257	3.6	1
250	Microbially Produced Imidazole Propionate Impairs Insulin Signaling through mTORC1. <i>Cell</i> , <b>2018</b> , 175, 947-961.e17	56.2	267
249	Cell surface polysaccharides of induce the generation of Foxp3 regulatory T cells. <i>Science Immunology</i> , <b>2018</b> , 3,	28	94
248	Solid State NMR Studies of Intact Lipopolysaccharide Endotoxin. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 2106-2113	11.3	9
247	Microbiota-induced obesity requires farnesoid X receptor. <i>Gut</i> , <b>2017</b> , 66, 429-437	19.2	259
246	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
245	The 35-year odyssey of beta blockers in cirrhosis: any gender difference in sight?. <i>Pharmacological Research</i> , <b>2017</b> , 119, 20-26	10.2	4
244	Synthesis of Bradyrhizose Oligosaccharides Relevant to the Bradyrhizobium O-Antigen. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2124-2128	3.6	4
243	European consensus conference on faecal microbiota transplantation in clinical practice. <i>Gut</i> , <b>2017</b> , 66, 569-580	19.2	520
242	Xanthomonas citri pv. citri Pathotypes: LPS Structure and Function as Microbe-Associated Molecular Patterns. <i>ChemBioChem</i> , <b>2017</b> , 18, 772-781	3.8	8
241	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
240	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
239	The Lipid A from Rhodopseudomonas palustris 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
238	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
237	Lipopolysaccharide from Crypt-Specific Core Microbiota Modulates the Colonic Epithelial Proliferation-to-Differentiation Balance. <i>MBio</i> , <b>2017</b> , 8,	7.8	57

236	Host-microbiota interaction induces bi-phasic inflammation and glucose intolerance in mice. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 1371-1380	8.8	22
235	The Deep-Sea Polyextremophile Halobacteroides lacunaris TB21 Rough-Type LPS: Structure and Inhibitory Activity towards Toxic LPS. <i>Marine Drugs</i> , <b>2017</b> , 15,	6	11
234	A Comprehensive Study of the Interaction between Peptidoglycan Fragments and the Extracellular Domain of Mycobacterium tuberculosis Ser/Thr Kinase PknB. <i>ChemBioChem</i> , <b>2017</b> , 18, 2094-2098	3.8	9
233	Interaction of lipopolysaccharides at intermolecular sites of the periplasmic Lpt transport assembly. <i>Scientific Reports</i> , <b>2017</b> , 7, 9715	4.9	22
232	Chemical and biological properties of the novel exopolysaccharide produced by a probiotic strain of Bifidobacterium longum. <i>Carbohydrate Polymers</i> , <b>2017</b> , 174, 1172-1180	10.3	43
231	Structure of the Lipopolysaccharide from the sp. ORS285 Mutant Strain. <i>ChemistryOpen</i> , <b>2017</b> , 6, 541-553.	3	9
230	Capsular Polysaccharide Interferes with Biofilm Formation by Serogroup A. <i>MBio</i> , <b>2017</b> , 8,	7.8	24
229	Why Doesn't Primary Biliary Cholangitis Respond to Immunosuppressive Medications?. <i>Current Hepatology Reports</i> , <b>2017</b> , 16, 119-123	1	11
228	The polysaccharide and low molecular weight components of Opuntia ficus indica cladodes: Structure and skin repairing properties. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 128-136	10.3	45
227	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
226	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
225	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
224	Structural and Conformational Study of the O-Antigenic Portion of the Lipopolysaccharide Isolated from Burkholderia gladioli pv. cocovenenans. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 748-755	3.2	3
223	Modification biological activity of S and R forms of Proteus mirabilis and Burkholderia cepacia lipopolysaccharides by carrageenans. <i>Carbohydrate Polymers</i> , <b>2016</b> , 149, 408-14	10.3	1
222	NMR analysis of the binding mode of two fungal endo- $\alpha$ 1,4-mannanases from GH5 and GH26 families. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 314-22	3.9	5
221	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
220	Structural investigation of the lipopolysaccharide O-chain isolated from Burkholderia fungorum strain DSM 17061. <i>Carbohydrate Research</i> , <b>2016</b> , 433, 31-5	2.9	4
219	Prevotella denticola 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

218	N-Linked Glycans of Chloroviruses Sharing a Core Architecture without Precedent. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 664-668	3.6	4
217	N-Linked Glycans of Chloroviruses Sharing a Core Architecture without Precedent. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 654-8	16.4	26
216	Multivalent ligand mimetics of LecA from <i>P. aeruginosa</i> : synthesis and NMR studies. <i>Carbohydrate Research</i> , <b>2016</b> , 429, 23-8	2.9	4
215	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
214	Serotype O:8 isolates in the <i>Yersinia pseudotuberculosis</i> complex have different O-antigen gene clusters and produce various forms of rough LPS. <i>Innate Immunity</i> , <b>2016</b> , 22, 205-17	2.7	3
213	"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
212	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
211	Continuous degradation of maltose: improvement in stability and catalytic properties of maltase ( $\alpha$ -glucosidase) through immobilization using agar-agar gel as a support. <i>Bioprocess and Biosystems Engineering</i> , <b>2015</b> , 38, 631-8	3.7	18
210	Chapter 2: NMR as a Tool to Unveil the Molecular Basis of Glycan-mediated Host-Pathogen Interactions. <i>RSC Drug Discovery Series</i> , <b>2015</b> , 21-37	0.6	1
209	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
208	Determination of the structure of the O-antigen and the lipid A from the entomopathogenic bacterium <i>Pseudomonas entomophila</i> lipopolysaccharide along with its immunological properties. <i>Carbohydrate Research</i> , <b>2015</b> , 412, 20-7	2.9	5
207	Bacterial Lipopolysaccharides: An Overview of Their Structure, Biosynthesis and Immunological Activity <b>2015</b> , 57-89		3
206	<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
205	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
204	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
203	Synthesis and biological evaluation of 5'-phosphorylated derivatives of uridine as inhibitors of 1,4- $\beta$ -galactosyltransferase. <i>Bioorganic Chemistry</i> , <b>2015</b> , 58, 18-25	5.1	3
202	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
201	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

200	Chemistry of Lipid A: At the Heart of Innate Immunity. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 477-477	4.8	0
199	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
198	Comparative genomics and biological characterization of sequential <i>Pseudomonas aeruginosa</i> isolates from persistent airways infection. <i>BMC Genomics</i> , <b>2015</b> , 16, 1105	4.5	27
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- 1 Novel ACE2-Independent Carbohydrate-Binding of SARS-CoV-2 Spike Protein to Host Lectins and Lung Microbiota 36