

# Maju Joe

## List of Publications by Year in descending order

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26  
papers

974  
citations

516561

16  
h-index

580701

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of the Docosanasaccharide Arabinan Domain of Mycobacterial Arabinogalactan and a Proposed Octadecasaccharide Biosynthetic Precursor. <i>Journal of the American Chemical Society</i> , 2007, 129, 9885-9901.	6.6	136
2	Association of Human Antibodies to Arabinomannan With Enhanced Mycobacterial Opsonophagocytosis and Intracellular Growth Reduction. <i>Journal of Infectious Diseases</i> , 2016, 214, 300-310.	1.9	110
3	Enhanced control of Mycobacterium tuberculosis extrapulmonary dissemination in mice by an arabinomannan-protein conjugate vaccine. <i>PLoS Pathogens</i> , 2017, 13, e1006250.	2.1	74
4	Insights into Interactions of Mycobacteria with the Host Innate Immune System from a Novel Array of Synthetic Mycobacterial Glycans. <i>ACS Chemical Biology</i> , 2017, 12, 2990-3002.	1.6	66
5	The 5-Deoxy-5-methylthio-xylofuranose Residue in Mycobacterial Lipoarabinomannan. Absolute Stereochemistry, Linkage Position, Conformation, and Immunomodulatory Activity. <i>Journal of the American Chemical Society</i> , 2006, 128, 5059-5072.	6.6	64
6	Characterization of the Antigenic Heterogeneity of Lipoarabinomannan, the Major Surface Glycolipid of <i>Mycobacterium tuberculosis</i> , and Complexity of Antibody Specificities toward This Antigen. <i>Journal of Immunology</i> , 2018, 200, 3053-3066.	0.4	58
7	The Three Mycobacterium tuberculosis Antigen 85 Isoforms Have Unique Substrates and Activities Determined by Non-active Site Regions. <i>Journal of Biological Chemistry</i> , 2014, 289, 25041-25053.	1.6	52
8	Structural Insights into Antibody Recognition of Mycobacterial Polysaccharides. <i>Journal of Molecular Biology</i> , 2009, 392, 381-392.	2.0	48
9	Detection of lipoarabinomannan in urine and serum of HIV-positive and HIV-negative TB suspects using an improved capture-enzyme linked immuno absorbent assay and gas chromatography/mass spectrometry. <i>Tuberculosis</i> , 2018, 111, 178-187.	0.8	48
10	Synthetic UDP-Furanoses as Potent Inhibitors of Mycobacterial Galactan Biogenesis. <i>Chemistry and Biology</i> , 2010, 17, 1356-1366.	6.2	46
11	Lcp1 Is a Phosphotransferase Responsible for Ligating Arabinogalactan to Peptidoglycan in Mycobacterium tuberculosis. <i>MBio</i> , 2016, 7, .	1.8	42
12	Capsular glycan recognition provides antibody-mediated immunity against tuberculosis. <i>Journal of Clinical Investigation</i> , 2020, 130, 1808-1822.	3.9	38
13	Synthesis and antitumor activity of goniofufurone analogues. <i>Bioorganic and Medicinal Chemistry</i> , 1999, 7, 2095-2103.	1.4	25
14	Biosynthesis of the Methylthioxylose Capping Motif of Lipoarabinomannan in <i>Mycobacterium tuberculosis</i> . <i>ACS Chemical Biology</i> , 2017, 12, 682-691.	1.6	23
15	Synthesis of harzialactone A and its isomers from d-glucose and assignment of absolute stereochemistry. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 4071-4081.	1.8	22
16	Synthesis of 2-deoxy-2-fluoro analogs of polyprenyl $\hat{1}$ -d-arabinofuranosyl phosphates. <i>Carbohydrate Research</i> , 2006, 341, 2723-2730.	1.1	19
17	Disruption of the SucT acyltransferase in Mycobacterium smegmatis abrogates succinylation of cell envelope polysaccharides. <i>Journal of Biological Chemistry</i> , 2019, 294, 10325-10335.	1.6	19
18	Oligosaccharides and Peptide Displayed on an Amphiphilic Polymer Enable Solid Phase Assay of Hapten Specific Antibodies. <i>Bioconjugate Chemistry</i> , 2014, 25, 685-697.	1.8	14

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19	Genetically-encoded fragment-based discovery (GE-FBD) of glycopeptide ligands with differential selectivity for antibodies related to mycobacterial infections. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 223-227.	1.5	14
20	The endogenous galactofuranosidase GlfH1 hydrolyzes mycobacterial arabinogalactan. <i>Journal of Biological Chemistry</i> , 2020, 295, 5110-5123.	1.6	14
21	Monoclonal antibodies from humans with <i>Mycobacterium tuberculosis</i> exposure or latent infection recognize distinct arabinomannan epitopes. <i>Communications Biology</i> , 2021, 4, 1181.	2.0	12
22	Mycobacteriophage cell binding proteins for the capture of mycobacteria. <i>Bacteriophage</i> , 2014, 4, e960346.	1.9	10
23	The singular <i>Corynebacterium glutamicum</i> Emb arabinofuranosyltransferase polymerises the $\hat{\pm}(1\hat{\epsilon}\hat{+}\hat{\epsilon}^{-5})$ arabinan backbone in the early stages of cell wall arabinan biosynthesis. <i>Cell Surface</i> , 2018, 2, 38-53.	1.5	8
24	Synthesis of a homologous series of galactofuranose-containing mycobacterial arabinogalactan fragments. <i>Canadian Journal of Chemistry</i> , 2016, 94, 976-988.	0.6	7
25	Use of Synthetic Glycolipids to Probe the Number and Position of Arabinan Chains on Mycobacterial Arabinogalactan. <i>ACS Chemical Biology</i> , 2021, 16, 20-26.	1.6	5
26	Microbial Glycan Arrays. , 2021, , 168-179.		0