

Parastoo Azadi

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

3,723
citations

249298

26
h-index

299063

42
g-index

46
all docs

46
docs citations

46
times ranked

6387
citing authors

#	ARTICLE	IF	CITATIONS
1	A photo-cross-linking GlcNAc analog enables covalent capture of N-linked glycoprotein-binding partners on the cell surface. <i>Cell Chemical Biology</i> , 2022, 29, 84-97.e8.	2.5	21
2	Lipopolysaccharide associated with Î²-2,6 fructan mediates TLR4-dependent immunomodulatory activity in vitro. <i>Carbohydrate Polymers</i> , 2022, 277, 118606.	5.1	14
3	Comprehensive characterization of N- and O- glycosylation of SARS-CoV-2 human receptor angiotensin converting enzyme 2. <i>Glycobiology</i> , 2021, 31, 410-424.	1.3	125
4	AtFUT4 and AtFUT6 Are Arabinofuranose-Specific Fucosyltransferases. <i>Frontiers in Plant Science</i> , 2021, 12, 589518.	1.7	8
5	Structural elucidation and immuno-stimulatory activity of a novel polysaccharide containing glucuronic acid from the fungus <i>Echinodontium tinctorium</i> . <i>Carbohydrate Polymers</i> , 2021, 258, 117700.	5.1	16
6	Variable posttranslational modifications of severe acute respiratory syndrome coronavirus 2 nucleocapsid protein. <i>Glycobiology</i> , 2021, 31, 1080-1092.	1.3	31
7	Structure of the polysaccharide sheath from the B race of the green microalga <i>Botryococcus braunii</i> . <i>Algal Research</i> , 2021, 55, 102252.	2.4	7
8	Heparan Sulfate Facilitates Spike Protein-Mediated SARS-CoV-2 Host Cell Invasion and Contributes to Increased Infection of SARS-CoV-2 G614 Mutant and in Lung Cancer. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 649575.	1.6	35
9	Glycosylation of SARS-CoV-2: structural and functional insights. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7179-7193.	1.9	56
10	L-SIGN is a receptor on liver sinusoidal endothelial cells for SARS-CoV-2 virus. <i>JCI Insight</i> , 2021, 6, .	2.3	31
11	Structure of Lipopolysaccharide from <i>Is Low Molecular Weight</i> and Offers Insight into <i>Liberibacter Biology</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, .	1.8	1
12	Structure of Lipopolysaccharide from <i>Liberibacter crescens</i> <i>Is Low Molecular Weight</i> and Offers Insight into <i>Candidatus Liberibacter Biology</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 11240.	1.8	6
13	NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 11-30.	2.5	87
14	Cytosolic Acetyl-CoA Generated by ATP-Citrate Lyase <i>Is Essential</i> for Acetylation of Cell Wall Polysaccharides. <i>Plant and Cell Physiology</i> , 2020, 61, 64-75.	1.5	11
15	Engineering orthogonal human O-linked glycoprotein biosynthesis in bacteria. <i>Nature Chemical Biology</i> , 2020, 16, 1062-1070.	3.9	30
16	Deducing the N- and O-glycosylation profile of the spike protein of novel coronavirus SARS-CoV-2. <i>Glycobiology</i> , 2020, 30, 981-988.	1.3	420
17	Conservation and Divergence in the <i>Candida</i> Species Biofilm Matrix Mannan-Glucan Complex Structure, Function, and Genetic Control. <i>MBio</i> , 2018, 9, .	1.8	52
18	Polysaccharide associated protein (PSAP) from the green microalga <i>Botryococcus braunii</i> is a unique extracellular matrix hydroxyproline-rich glycoprotein. <i>Algal Research</i> , 2018, 29, 92-103.	2.4	10

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19	A bacterial pioneer produces cellulase complexes that persist through community succession. <i>Nature Microbiology</i> , 2018, 3, 99-107.	5.9	38
20	<i>Candida albicans</i> biofilm-induced vesicles confer drug resistance through matrix biogenesis. <i>PLoS Biology</i> , 2018, 16, e2006872.	2.6	173
21	Glycomic and glycoproteomic analysis of glycoproteins—a tutorial. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4483-4505.	1.9	102
22	A library of chemically defined human N-glycans synthesized from microbial oligosaccharide precursors. <i>Scientific Reports</i> , 2017, 7, 15907.	1.6	22
23	<i>Kingella kingae</i> Expresses Four Structurally Distinct Polysaccharide Capsules That Differ in Their Correlation with Invasive Disease. <i>PLoS Pathogens</i> , 2016, 12, e1005944.	2.1	19
24	Mass Spectrometric Quantification of N-Linked Glycans by Reference to Exogenous Standards. <i>Journal of Proteome Research</i> , 2016, 15, 2969-2980.	1.8	36
25	Immunization with Outer Membrane Vesicles Displaying Designer Glycotopes Yields Class-Switched, Glycan-Specific Antibodies. <i>Cell Chemical Biology</i> , 2016, 23, 655-665.	2.5	48
26	Comparison of analytical methods for profiling N- and O-linked glycans from cultured cell lines. <i>Glycoconjugate Journal</i> , 2016, 33, 405-415.	1.4	25
27	<i>Listeria monocytogenes</i> exopolysaccharide: origin, structure, biosynthetic machinery and GMP-dependent regulation. <i>Molecular Microbiology</i> , 2015, 96, 728-743.	1.2	80
28	Glycogen Phosphomonoester Distribution in Mouse Models of the Progressive Myoclonic Epilepsy, Lafora Disease. <i>Journal of Biological Chemistry</i> , 2015, 290, 841-850.	1.6	40
29	Pbx Proteins in <i>Cryptococcus neoformans</i> Cell Wall Remodeling and Capsule Assembly. <i>Eukaryotic Cell</i> , 2014, 13, 560-571.	3.4	20
30	Enzymatic Basis for N-Glycan Sialylation. <i>Journal of Biological Chemistry</i> , 2013, 288, 34680-34698.	1.6	116
31	Unusual Galactofuranose Modification of a Capsule Polysaccharide in the Pathogenic Yeast <i>Cryptococcus neoformans</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 10994-11003.	1.6	32
32	Characterization of the <i>Kingella kingae</i> Polysaccharide Capsule and Exopolysaccharide. <i>PLoS ONE</i> , 2013, 8, e75409.	1.1	41
33	Colony Organization in the Green Alga <i>Botryococcus braunii</i> (Race B) Is Specified by a Complex Extracellular Matrix. <i>Eukaryotic Cell</i> , 2012, 11, 1424-1440.	3.4	151
34	An engineered eukaryotic protein glycosylation pathway in <i>Escherichia coli</i> . <i>Nature Chemical Biology</i> , 2012, 8, 434-436.	3.9	232
35	Global metabolic inhibitors of sialyl- and fucosyltransferases remodel the glycome. <i>Nature Chemical Biology</i> , 2012, 8, 661-668.	3.9	347
36	Phosphate Incorporation during Glycogen Synthesis and Lafora Disease. <i>Cell Metabolism</i> , 2011, 13, 274-282.	7.2	101

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37	Comparison of Methods for Profiling O-Glycosylation. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 719-727.	2.5	136
38	Structure of Compositionally Simple Lipopolysaccharide from Marine <i>Synechococcus</i> . <i>Journal of Bacteriology</i> , 2009, 191, 5499-5509.	1.0	62
39	The structure of <i>Cryptococcus neoformans</i> galactoxylomannan contains β -D-glucuronic acid. <i>Carbohydrate Research</i> , 2009, 344, 915-920.	1.1	107
40	Comparison of the methods for profiling glycoprotein glycans—HUPO Human Disease Glycomics/Proteome Initiative multi-institutional study. <i>Glycobiology</i> , 2007, 17, 411-422.	1.3	382
41	Structure of a capsular polysaccharide isolated from <i>Salmonella enteritidis</i> . <i>Carbohydrate Research</i> , 2006, 341, 2388-2397.	1.1	33
42	Alginate is not a significant component of the extracellular polysaccharide matrix of PA14 and PAO1 <i>Pseudomonas aeruginosa</i> biofilms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7907-7912.	3.3	395