M Osman Sheikh

List of Publications by Year
in descending order

19	527	759233 12	794594 19
papers	citations	h-index	g-index

23	23	23	648
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cell surface glycan engineering reveals that matriglycan alone can recapitulate dystroglycan binding and function. Nature Communications, 2022, 13, .	12.8	23
2	Separation and Identification of Permethylated Glycan Isomers by Reversed Phase NanoLC-NSI-MSn. Molecular and Cellular Proteomics, 2021, 20, 100045.	3.8	19
3	Endolysosomal N-glycan processing is critical to attain the most active form of the enzyme acid alpha-glucosidase. Journal of Biological Chemistry, 2021, 296, 100769.	3.4	5
4	A terminal Î±3-galactose modification regulates an E3 ubiquitin ligase subunit in Toxoplasma gondii. Journal of Biological Chemistry, 2020, 295, 9223-9243.	3.4	6
5	HNK-1 sulfotransferase modulates Î±-dystroglycan glycosylation by 3-O-sulfation of glucuronic acid on matriglycan. Glycobiology, 2020, 30, 817-829.	2.5	17
6	Proteomics-based screening of the endothelial heparan sulfate interactome reveals that C-type lectin 14a (CLEC14A) is a heparin-binding protein. Journal of Biological Chemistry, 2020, 295, 2804-2821.	3.4	18
7	Trypanosoma cruzi13C-labeledO-Glycan standards for mass spectrometry. Glycobiology, 2019, 29, 280-284.	2.5	5
8	Correlations Between LC-MS/MS-Detected Glycomics and NMR-Detected Metabolomics in Caenorhabditis elegans Development. Frontiers in Molecular Biosciences, 2019, 6, 49.	3.5	8
9	Glycosylation Promotes the Random Coil to Helix Transition in a Region of a Protist Skp1 Associated with F-Box Binding. Biochemistry, 2018, 57, 511-515.	2.5	12
10	Rapid screening of sugar-nucleotide donor specificities of putative glycosyltransferases. Glycobiology, 2017, 27, 206-212.	2.5	45
11	Cell-Surface Glyco-Engineering by Exogenous Enzymatic Transfer Using a Bifunctional CMP-Neu5Ac Derivative. Journal of the American Chemical Society, 2017, 139, 13342-13348.	13.7	50
12	O2 sensingâ€“associated glycosylation exposes the F-boxâ€“combining site of the Dictyostelium Skp1 subunit in E3 ubiquitin ligases. Journal of Biological Chemistry, 2017, 292, 18897-18915.	3.4	25
13	Characterization of a cytoplasmic glucosyltransferase that extends the core trisaccharide of the Toxoplasma Skp1 E3 ubiquitin ligase subunit. Journal of Biological Chemistry, 2017, 292, 18644-18659.	3.4	19
14	Whoa man! Unexpected protein O-mannosylation pathways in mammals. Journal of Biological Chemistry, 2017, 292, 11599-11600.	3.4	3
15	Recent advancements in understanding mammalian O-mannosylation. Glycobiology, 2017, 27, 806-819.	2.5	86
16	The functional O-mannose glycan on Î±-dystroglycan contains a phospho-ribitol primed for matriglycan addition. ELife, 2016, 5, .	6.0	98
17	Glycosylation of Skp1 Promotes Formation of Skp1â€“Cullin-1â€“F-box Protein Complexes in Dictyostelium. Molecular and Cellular Proteomics, 2015, 14, 66-80.	3.8	26
18	Novel Regulation of Skp1 by the Dictyostelium AgtA Î±-Galactosyltransferase Involves the Skp1-binding Activity of Its WD40 Repeat Domain. Journal of Biological Chemistry, 2014, 289, 9076-9088.	3.4	17

#	Article	IF	Citations
19	Glycosylation of Skp1 Affects Its Conformation and Promotes Binding to a Model F-Box Protein. Biochemistry, 2014, 53, 1657-1669.	2.5	42