# 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 | The functional O-mannose glycan on Î±-dystroglycan contains a phospho-ribitol primed for matriglycan addition. ELife, 2016, 5, . | 6.0 | 98 |
| 2 | Recent advancements in understanding mammalian O-mannosylation. Glycobiology, 2017, 27, 806-819. | 2.5 | 86 |
| 3 | 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 |
| 4 | Rapid screening of sugar-nucleotide donor specificities of putative glycosyltransferases. Glycobiology, 2017, 27, 206-212. | 2.5 | 45 |
| 5 | Glycosylation of Skp1 Affects Its Conformation and Promotes Binding to a Model F-Box Protein. Biochemistry, 2014, 53, 1657-1669. | 2.5 | 42 |
| 6 | 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 |
| 7 | 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 |
| 8 | Cell surface glycan engineering reveals that matriglycan alone can recapitulate dystroglycan binding and function. Nature Communications, 2022, 13, . | 12.8 | 23 |
| 9 | 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 |
| 10 | Separation and Identification of Permethylated Glycan Isomers by Reversed Phase NanoLC-NSI-MSn. Molecular and Cellular Proteomics, 2021, 20, 100045. | 3.8 | 19 |
| 11 | 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 |
| 12 | 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 |
| 13 | HNK-1 sulfotransferase modulates Î±-dystroglycan glycosylation by 3-O-sulfation of glucuronic acid on matriglycan. Glycobiology, 2020, 30, 817-829. | 2.5 | 17 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | Trypanosoma cruzi 13C-labeled O-Glycan standards for mass spectrometry. Glycobiology, 2019, 29, 280-284. | 2.5 | 5 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Whoa man! Unexpected protein O-mannosylation pathways in mammals. Journal of Biological Chemistry, 2017, 292, 11599-11600. | 3.4 | 3 |