

Sabine Strahl

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

987
citations

516710

16
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

1022
citing authors

#	ARTICLE	IF	CITATIONS
1	Members of the Evolutionarily Conserved PMT Family of Protein O-Mannosyltransferases Form Distinct Protein Complexes among Themselves. <i>Journal of Biological Chemistry</i> , 2003, 278, 12554-12562.	3.4	130
2	Protein O-mannosylation: What we have learned from baker's yeast. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 2438-2446.	4.1	105
3	Characterization of POMT2, a novel member of the PMT protein O-mannosyltransferase family specifically localized to the acrosome of mammalian spermatids. <i>Glycobiology</i> , 2002, 12, 771-783.	2.5	103
4	Protein O-mannosylation is crucial for E-cadherin-mediated cell adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 21024-21029.	7.1	82
5	O-Mannosylation Protects Mutant Alpha-Factor Precursor from Endoplasmic Reticulum-associated Degradation. <i>Molecular Biology of the Cell</i> , 2001, 12, 1093-1101.	2.1	76
6	Mapping the O-Mannose Glycoproteome in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1323-1337.	3.8	61
7	Functional and genomic analyses of blocked protein O-mannosylation in baker's yeast. <i>Molecular Microbiology</i> , 2011, 79, 1529-1546.	2.5	55
8	Membrane association is a determinant for substrate recognition by PMT4 protein O-mannosyltransferases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7827-7832.	7.1	52
9	Arabidopsis Stromal-derived Factor2 (SDF2) Is a Crucial Target of the Unfolded Protein Response in the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2010, 285, 18113-18121.	3.4	44
10	Protein O-mannosylation in the early secretory pathway. <i>Current Opinion in Cell Biology</i> , 2016, 41, 100-108.	5.4	40
11	Protein N-glycosylation determines functionality of the <i>Saccharomyces cerevisiae</i> cell wall integrity sensor Mid2p. <i>Molecular Microbiology</i> , 2008, 68, 1438-1449.	2.5	39
12	O-mannosylation and N-glycosylation: two coordinated mechanisms regulating the tumour suppressor functions of E-cadherin in cancer. <i>Oncotarget</i> , 2016, 7, 65231-65246.	1.8	35
13	A Conserved Acidic Motif Is Crucial for Enzymatic Activity of Protein O-Mannosyltransferases. <i>Journal of Biological Chemistry</i> , 2011, 286, 39768-39775.	3.4	34
14	O-glycosylation of the non-canonical E-cadherin from rabbit skeletal muscle by single mannose residues. <i>FEBS Letters</i> , 2013, 587, 3715-3721.	2.8	28
15	Protein O-Mannosylation in the Murine Brain: Occurrence of Mono-O-Mannosyl Glycans and Identification of New Substrates. <i>PLoS ONE</i> , 2016, 11, e0166119.	2.5	23
16	Protein O-Mannosyltransferases Associate with the Translocon to Modify Translocating Polypeptide Chains. <i>Journal of Biological Chemistry</i> , 2014, 289, 8599-8611.	3.4	18
17	Cloning, recombinant production, crystallization and preliminary X-ray diffraction analysis of SDF2-like protein from <i>Arabidopsis thaliana</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 12-14.	0.7	17
18	Monitoring Protein Dynamics in Protein O-Mannosyltransferase Mutants In Vivo by Tandem Fluorescent Protein Timers. <i>Molecules</i> , 2018, 23, 2622.	3.8	10

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19	Functional Similarities between the Protein O-Mannosyltransferases Pmt4 from Bakers' Yeast and Human POMT1. <i>Journal of Biological Chemistry</i> , 2016, 291, 18006-18015.	3.4	9
20	A Bacterial Mannose Binding Lectin as a Tool for the Enrichment of C- and O-Mannosylated Peptides. <i>Analytical Chemistry</i> , 2022, 94, 7329-7338.	6.5	8
21	Cellular Consequences of Diminished Protein O-Mannosyltransferase Activity in Baker's Yeast. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1226.	4.1	6
22	Glycosyltransferase POMGNT1 deficiency strengthens N-cadherin-mediated cell-cell adhesion. <i>Journal of Biological Chemistry</i> , 2021, 296, 100433.	3.4	5
23	Translational Regulation of Pmt1 and Pmt2 by Bfr1 Affects Unfolded Protein O-Mannosylation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6220.	4.1	4
24	Functional implications of MIR domains in protein O-mannosylation. <i>ELife</i> , 2020, 9, .	6.0	3
25	The role of protein O-mannosylation during mouse development. <i>FASEB Journal</i> , 2013, 27, 85.3.	0.5	0