Tuomo Glumoff

List of Publications by Year
in descending order

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Version: 2024-02-01

25 papers	1,140 citations	516710 16 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	1810 citing authors

#	Article	IF	Citations
1	Assay technologies facilitating drug discovery for ADPâ€ribosyl writers, readers and erasers. BioEssays, 2022, 44, e2100240.	2.5	8
2	Unliganded and CMP-Neu5Ac bound structures of human Î±-2,6-sialyltransferase ST6Gal I at high resolution. Journal of Structural Biology, 2020, 212, 107628.	2.8	8
3	Assembly of B4GALT1/ST6GAL1 heteromers in the Golgi membranes involves lateral interactions via highly charged surface domains. Journal of Biological Chemistry, 2019, 294, 14383-14393.	3.4	29
4	A Golgi-associated redox switch regulates catalytic activation and cooperative functioning of ST6Gal-I with B4GalT-I. Redox Biology, 2019, 24, 101182.	9.0	25
5	N-acetylglucosaminyltransferases and nucleotide sugar transporters form multi-enzymeâ€“multi-transporter assemblies in golgi membranes in vivo. Cellular and Molecular Life Sciences, 2019, 76, 1821-1832.	5.4	35
6	17B-hydroxysteroid dehydrogenases as acyl thioester metabolizing enzymes. Molecular and Cellular Endocrinology, 2019, 489, 107-118.	3.2	30
7	Abnormal Golgi pH Homeostasis in Cancer Cells Impairs Apical Targeting of Carcinoembryonic Antigen by Inhibiting Its Glycosyl-Phosphatidylinositol Anchor-Mediated Association with Lipid Rafts. Antioxidants and Redox Signaling, 2019, 30, 5-21.	5.4	19
8	Crystal structures of eukaryote glycosyltransferases reveal biologically relevant enzyme homooligomers. Cellular and Molecular Life Sciences, 2018, 75, 833-848.	5.4	18
9	The dimeric structure of wild-type human glycosyltransferase B4GalT1. PLoS ONE, 2018, 13, e0205571.	2.5	15
10	Glycosyltransferase complexes in eukaryotes: long-known, prevalent but still unrecognized. Cellular and Molecular Life Sciences, 2016, 73, 305-325.	5.4	64
11	Quaternary structure of human, Drosophila melanogaster and Caenorhabditis elegans MFEâ€2 in solution from synchrotron smallâ€angle Xâ€ray scattering. FEBS Letters, 2013, 587, 305-310.	2.8	5
12	On the Molecular Basis of D-Bifunctional Protein Deficiency Type III. PLoS ONE, 2013, 8, e53688.	2.5	7
13	Peroxisomal multifunctional enzyme typeÂ2 from the fruitfly: dehydrogenase and hydratase act as separate entities, as revealed by structure and kinetics. Biochemical Journal, 2011, 435, 771-781.	3.7	23
14	Mutational Spectrum of d-Bifunctional Protein Deficiency and Structure-Based Genotype-Phenotype Analysis. American Journal of Human Genetics, 2006, 78, 112-124.	6.2	80
15	Crystal Structure of Yeast Peroxisomal Multifunctional Enzyme: Structural Basis for Substrate Specificity of (3R)-hydroxyacyl-CoA Dehydrogenase Units. Journal of Molecular Biology, 2006, 358, 1286-1295.	4.2	15
16	Peroxisomal Î²-oxidationâ€”A metabolic pathway with multiple functions. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1413-1426.	4.1	432
17	Structural biology of the thioester-dependent degradation and synthesis of fatty acids. Current Opinion in Structural Biology, 2005, 15, 621-628.	5.7	34
18	Crystal Structure of 2-Enoyl-CoA Hydratase 2 from Human Peroxisomal Multifunctional Enzyme Type 2. Journal of Molecular Biology, 2005, 345, 1157-1169.	4.2	52

#	Article	IF	Citations
19	A Two-domain Structure of One Subunit Explains Unique Features of Eukaryotic Hydratase 2. Journal of Biological Chemistry, 2004, 279, 24666-24672.	3.4	56
20	Site-directed mutagenesis to enable and improve crystallizability of Candida tropicalis (3R)-hydroxyacyl-CoA dehydrogenase. Biochemical and Biophysical Research Communications, 2004, 324, 25-30.	2.1	3
21	Binary Structure of the Two-Domain (3R)-Hydroxyacyl-CoA Dehydrogenase from Rat Peroxisomal Multifunctional Enzyme Type 2 at 2.38 Ã... Resolution. Structure, 2003, 11, 87-97.	3.3	27
22	Crystal structure of the liganded SCP-2-like domain of human peroxisomal multifunctional enzyme type 2 at 1.75 Ã... resolution 1 1Edited by R. Huber. Journal of Molecular Biology, 2001, 313, 1127-1138.	4.2	70
23	Production and purification of recombinant human alpha 2C2 adrenergic receptor using Saccharomyces cerevisiae. Bioseparation, 2000, 9, 167-172.	0.7	10
24	Human Peroxisomal Multifunctional Enzyme Type 2. Journal of Biological Chemistry, 2000, 275, 4965-4972.	3.4	43
25	Yeast Peroxisomal Multifunctional Enzyme: (3R)-Hydroxyacyl-CoA Dehydrogenase Domains A and B Are Required for Optimal Growth on Oleic Acid. Journal of Biological Chemistry, 1999, 274, 28619-28625.	3.4	31