

# 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	Peroxisomal $\beta$ -oxidation—A metabolic pathway with multiple functions. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 1413-1426.	4.1	432
2	Mutational Spectrum of d-Bifunctional Protein Deficiency and Structure-Based Genotype-Phenotype Analysis. <i>American Journal of Human Genetics</i> , 2006, 78, 112-124.	6.2	80
3	Crystal structure of the liganded SCP-2-like domain of human peroxisomal multifunctional enzyme type 2 at 1.75 Å... resolution 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2001, 313, 1127-1138.	4.2	70
4	Glycosyltransferase complexes in eukaryotes: long-known, prevalent but still unrecognized. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 305-325.	5.4	64
5	A Two-domain Structure of One Subunit Explains Unique Features of Eukaryotic Hydratase 2. <i>Journal of Biological Chemistry</i> , 2004, 279, 24666-24672.	3.4	56
6	Crystal Structure of 2-Enoyl-CoA Hydratase 2 from Human Peroxisomal Multifunctional Enzyme Type 2. <i>Journal of Molecular Biology</i> , 2005, 345, 1157-1169.	4.2	52
7	Human Peroxisomal Multifunctional Enzyme Type 2. <i>Journal of Biological Chemistry</i> , 2000, 275, 4965-4972.	3.4	43
8	N-acetylglucosaminyltransferases and nucleotide sugar transporters form multi-enzyme—multi-transporter assemblies in golgi membranes in vivo. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 1821-1832.	5.4	35
9	Structural biology of the thioester-dependent degradation and synthesis of fatty acids. <i>Current Opinion in Structural Biology</i> , 2005, 15, 621-628.	5.7	34
10	Yeast Peroxisomal Multifunctional Enzyme: (3R)-Hydroxyacyl-CoA Dehydrogenase Domains A and B Are Required for Optimal Growth on Oleic Acid. <i>Journal of Biological Chemistry</i> , 1999, 274, 28619-28625.	3.4	31
11	17 $\beta$ -hydroxysteroid dehydrogenases as acyl thioester metabolizing enzymes. <i>Molecular and Cellular Endocrinology</i> , 2019, 489, 107-118.	3.2	30
12	Assembly of B4GALT1/ST6GAL1 heteromers in the Golgi membranes involves lateral interactions via highly charged surface domains. <i>Journal of Biological Chemistry</i> , 2019, 294, 14383-14393.	3.4	29
13	Binary Structure of the Two-Domain (3R)-Hydroxyacyl-CoA Dehydrogenase from Rat Peroxisomal Multifunctional Enzyme Type 2 at 2.38 Å... Resolution. <i>Structure</i> , 2003, 11, 87-97.	3.3	27
14	A Golgi-associated redox switch regulates catalytic activation and cooperative functioning of ST6Gal-I with B4Gal-T-I. <i>Redox Biology</i> , 2019, 24, 101182.	9.0	25
15	Peroxisomal multifunctional enzyme type 2 from the fruitfly: dehydrogenase and hydratase act as separate entities, as revealed by structure and kinetics. <i>Biochemical Journal</i> , 2011, 435, 771-781.	3.7	23
16	Abnormal Golgi pH Homeostasis in Cancer Cells Impairs Apical Targeting of Carcinoembryonic Antigen by Inhibiting Its Glycosyl-Phosphatidylinositol Anchor-Mediated Association with Lipid Rafts. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 5-21.	5.4	19
17	Crystal structures of eukaryote glycosyltransferases reveal biologically relevant enzyme homooligomers. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 833-848.	5.4	18
18	Crystal Structure of Yeast Peroxisomal Multifunctional Enzyme: Structural Basis for Substrate Specificity of (3R)-hydroxyacyl-CoA Dehydrogenase Units. <i>Journal of Molecular Biology</i> , 2006, 358, 1286-1295.	4.2	15

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19	The dimeric structure of wild-type human glycosyltransferase B4GalT1. PLoS ONE, 2018, 13, e0205571.	2.5	15
20	Production and purification of recombinant human alpha 2C2 adrenergic receptor using <i>Saccharomyces cerevisiae</i> . Bioseparation, 2000, 9, 167-172.	0.7	10
21	Unliganded and CMP-Neu5Ac bound structures of human $\alpha$ -2,6-sialyltransferase ST6Gal I at high resolution. Journal of Structural Biology, 2020, 212, 107628.	2.8	8
22	Assay technologies facilitating drug discovery for ADP-ribose writers, readers and erasers. BioEssays, 2022, 44, e2100240.	2.5	8
23	On the Molecular Basis of D-Bifunctional Protein Deficiency Type III. PLoS ONE, 2013, 8, e53688.	2.5	7
24	Quaternary structure of human, <i>Drosophila melanogaster</i> and <i>Caenorhabditis elegans</i> MFE2 in solution from synchrotron small-angle X-ray scattering. FEBS Letters, 2013, 587, 305-310.	2.8	5
25	Site-directed mutagenesis to enable and improve crystallizability of <i>Candida tropicalis</i> (3R)-hydroxyacyl-CoA dehydrogenase. Biochemical and Biophysical Research Communications, 2004, 324, 25-30.	2.1	3