Peter Mattjus

List of Publications by Year
in descending order

58 papers	2,497 citations	201674 27 h-index	197818 49 g-index
61 all docs	61 docs citations	61 times ranked	2034 citing authors

#	Article	IF	Citations
1	Glycosphingolipid synthesis requires FAPP2 transfer of glucosylceramide. Nature, 2007, 449, 62-67.	27.8	359
2	Pre- and post-Golgi translocation of glucosylceramide in glycosphingolipid synthesis. Journal of Cell Biology, 2007, 179, 101-115.	5.2	257
3	Interaction of Cholesterol with Sphingomyelin in Monolayers and Vesicles. Biochemistry, 1994, 33, 11776-11781.	2.5	156
4	Vesicular and non-vesicular transport feed distinct glycosylation pathways in the Golgi. Nature, 2013, 501, 116-120.	27.8	136
5	Involvement of the Acid Sphingomyelinase Pathway in UVA-induced Apoptosis. Journal of Biological Chemistry, 2001, 276, 11775-11782.	3.4	134
6	Does cholesterol discriminate between sphingomyelin and phosphatidylcholine in mixed monolayers containing both phospholipids?. Chemistry and Physics of Lipids, 1996, 81, 69-80.	3.2	95
7	Glycolipid transfer proteins. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2007, 1771, 746-760.	2.4	73
8	Glycolipid transfer proteins and membrane interaction. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 267-272.	2.6	59
9	A Fluorescence Resonance Energy Transfer Approach for Monitoring Protein-Mediated Glycolipid Transfer between Vesicle Membranes. Analytical Biochemistry, 1999, 268, 297-304.	2.4	57
10	Involvement of Nuclear Factor of Activated T Cells Activation in UV Response. Journal of Biological Chemistry, 2000, 275, 9143-9149.	3.4	57
11	Visualization of lateral phases in cholesterol and phosphatidylcholine monolayers at the air/water interface â€" a comparative study with two different reporter molecules. Lipids and Lipid Metabolism, 1995, 1254, 22-29.	2.6	54
12	Cloning and Expression of Glycolipid Transfer Protein from Bovine and Porcine Brain. Journal of Biological Chemistry, 2000, 275, 5104-5110.	3.4	54
13	Cholesterol transport from plasma membranes to intracellular membranes is inhibited by 3Î²-[2-(diethylamino) ethoxy]androst-5-en-17-one. Lipids and Lipid Metabolism, 1994, 1211, 317-325.	2.6	49
14	Structural Evidence for Adaptive Ligand Binding of Glycolipid Transfer Protein. Journal of Molecular Biology, 2006, 355, 224-236.	4.2	49
15	Glycolipid Intermembrane Transfer Is Accelerated by HET-C2, a Filamentous Fungus Gene Product Involved in the Cellâ^'Cell Incompatibility Responseâ€. Biochemistry, 2003, 42, 535-542.	2.5	43
16	Synthesis, characterisation and theoretical calculations of 2,6-diaminopurine etheno derivatives. Organic and Biomolecular Chemistry, 2005, 3, 2924.	2.8	42
17	The UDP-glucose ceramide glycosyltransferase (UGCG) and the link to multidrug resistance protein 1 (MDR1). BMC Cancer, 2018, 18, 153.	2.6	42
18	Charged Membrane Surfaces Impede the Protein-Mediated Transfer of Glycosphingolipids between Phospholipid Bilayersâ€. Biochemistry, 2000, 39, 1067-1075.	2.5	41

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19	UDP-glucose ceramide glucosyltransferase activates AKT, promoted proliferation, and doxorubicin resistance in breast cancer cells. Cellular and Molecular Life Sciences, 2018, 75, 3393-3410.	5.4	40
20	Lateral domain formation in cholesterol/phospholipid monolayers as affected by the sterol side chain conformation. Biochimica Et Biophysica Acta - Biomembranes, 1995, 1240, 237-247.	2.6	39
21	Molecular Interaction and Lateral Domain Formation in Monolayers Containing Cholesterol and Phosphatidylcholines with Acyl- or Alkyl-Linked C16 Chains. Langmuir, 1996, 12, 1284-1290.	3.5	39
22	Sphingomyelin Modulates the Transbilayer Distribution of Galactosylceramide in Phospholipid Membranes. Journal of Biological Chemistry, 2002, 277, 19476-19481.	3.4	34
23	Identification of a glycosphingolipid transfer protein GLTP1 in Arabidopsisâ€ƒthaliana. FEBS Journal, 2008, 275, 3421-3437.	4.7	34
24	Protein mediated glycolipid transfer is inhibited FROM sphingomyelin membranes but enhanced TO sphingomyelin containing raft like membranes. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1669, 87-94.	2.6	30
25	Plants Express a Lipid Transfer Protein with High Similarity to Mammalian Sterol Carrier Protein-2. Journal of Biological Chemistry, 2004, 279, 53544-53553.	3.4	28
26	Probing for Preferential Interactions among Sphingolipids in Bilayer Vesicles Using the Glycolipid Transfer Proteinâ€. Biochemistry, 2002, 41, 266-273.	2.5	27
27	Membrane interaction and activity of the glycolipid transfer protein. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 1732-1742.	2.6	27
28	The glycolipid transfer protein interacts with the vesicle-associated membrane protein-associated protein VAP-A. Biochemical and Biophysical Research Communications, 2009, 388, 395-399.	2.1	26
29	Molecular features of phospholipids that affect glycolipid transfer protein-mediated galactosylceramide transfer between vesicles. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 807-812.	2.6	25
30	Monolayer interaction of cholesterol with phosphatidylcholines: effects of phospholipid acyl chain length. Chemistry and Physics of Lipids, 1994, 74, 195-203.	3.2	24
31	Availability for enzyme-catalyzed oxidation of cholesterol in mixed monolayers containing both phosphatidylcholine and sphingomyelin. Chemistry and Physics of Lipids, 1994, 71, 73-81.	3.2	23
32	The 3-Hydroxy Group and 4,5-trans Double Bond of Sphingomyelin Are Essential for Modulation of Galactosylceramide Transmembrane Asymmetry. Biophysical Journal, 2005, 88, 2670-2680.	0.5	23
33	Alternation in the Glycolipid Transfer Protein Expression Causes Changes in the Cellular Lipidome. PLoS ONE, 2014, 9, e97263.	2.5	23
34	Human glycolipid transfer proteinâ€"Intracellular localization and effects on the sphingolipid synthesis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2007, 1771, 1353-1363.	2.4	22
35	Membrane Curvature Effects on Glycolipid Transfer Protein Activity. Langmuir, 2007, 23, 11726-11733.	3.5	22
36	Monitoring glycolipid transfer protein activity and membrane interaction with the surface plasmon resonance technique. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 47-54.	2.6	22

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37	Membranes and mammalian glycolipid transferring proteins. Chemistry and Physics of Lipids, 2014, 178, 27-37.	3.2	21
38	Topovectorial mechanisms control the juxtamembrane proteolytic processing of Nrf1 to remove its N-terminal polypeptides during maturation of the CNC-bZIP factor. Toxicology and Applied Pharmacology, 2018, 360, 160-184.	2.8	21
39	The intermembrane ceramide transport catalyzed by CERT is sensitive to the lipid environment. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 229-235.	2.6	18
40	Glycolipid Transfer Protein Expression Is Affected by Glycosphingolipid Synthesis. PLoS ONE, 2013, 8, e70283.	2.5	17
41	Crystallization and X-ray analysis of bovine glycolipid transfer protein. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 703-705.	2.5	16
42	Characterization of SCP-2 from Euphorbiaâ€ƒlagascae reveals that a single Leu/Met exchange enhances sterol transfer activity. FEBS Journal, 2006, 273, 5641-5655.	4.7	14
43	Specificity of the mammalian glycolipid transfer proteins. Chemistry and Physics of Lipids, 2016, 194, 72-78.	3.2	14
44	Nach Is a Novel Subgroup at an Early Evolutionary Stage of the CNC-bZIP Subfamily Transcription Factors from the Marine Bacteria to Humans. International Journal of Molecular Sciences, 2018, 19, 2927.	4.1	14
45	Metabolic Conversion of Ceramides in HeLa Cells - A Cholesteryl Phosphocholine Delivery Approach. PLoS ONE, 2015, 10, e0143385.	2.5	13
46	Glucosylceramide acyl chain length is sensed by the glycolipid transfer protein. PLoS ONE, 2018, 13, e0209230.	2.5	12
47	Ether lipid and sphingolipid expression patterns are estrogen receptor-dependently altered in breast cancer cells. International Journal of Biochemistry and Cell Biology, 2020, 127, 105834.	2.8	11
48	The influence of hydrophobic mismatch on androsterol/phosphatidylcholine interactions in model membranes. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1372, 331-338.	2.6	9
49	ProLIF: quantitative integrin protein-protein interactions and synergistic membrane effects on proteoliposomes. Journal of Cell Science, 2018, 132, .	2.0	9
50	New nucleoside analogs from 2-amino-9-(Î²-d-ribofuranosyl)purine. Organic and Biomolecular Chemistry, 2004, 2, 821-827.	2.8	8
51	LAPTM4B controls the sphingolipid and ether lipid signature of small extracellular vesicles. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158855.	2.4	8
52	Galactose oxidase action on galactose containing glycolipidsâ€”a fluorescence method. Chemistry and Physics of Lipids, 2006, 142, 103-110.	3.2	6
53	Effects of bile salts on glucosylceramide containing membranes. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2886-2893.	2.6	4
54	Indirect Lipid Transfer Protein Activity Measurements Using Quantification of Glycosphingolipid Production. Methods in Molecular Biology, 2019, 1949, 105-114.	0.9	4

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55	Purification and Validation of Lipid Transfer Proteins. Methods in Molecular Biology, 2017, 1609, 231-239.	0.9	3
56	Who moves the sphinx? An overview of intracellular sphingolipid transport. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 159021.	2.4	2
57	The Effect of Sterol Side Chain Conformation on Lateral Lipid Domain Formation in Monolayer Membranes. , 1996, , 255-264.		0
58	Special issue entitled Lipid transporters edited by Shamshad Cockcroft and Padinjat Raghu. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2022, 1867, 159152.	2.4	0