Joost C M Holthuis

List of Publications by Year
in descending order

61	5,425	125106 35	139680 61
papers	citations	h-index	g-index

67	67	67	6219
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ca2+-activated sphingomyelin scrambling and turnover mediate ESCRT-independent lysosomal repair. Nature Communications, 2022, 13, 1875.	5.8	35
2	Short Photoswitchable Ceramides Enable Optical Control of Apoptosis. ACS Chemical Biology, 2021, 16, 452-456.	1.6	22
3	Sphingomyelin Biosynthesis Is Essential for Phagocytic Signaling during Mycobacterium tuberculosis Host Cell Entry. MBio, 2021, 12, .	1.8	20
4	A switchable ceramide transfer protein for dissecting the mechanism of ceramideâ€induced mitochondrial apoptosis. FEBS Letters, 2020, 594, 3739-3750.	1.3	9
5	Ceramides bind VDAC2 to trigger mitochondrial apoptosis. Nature Communications, 2019, 10, 1832.	5.8	144
6	Unraveling the molecular principles by which ceramides commit cells to death. Cell Stress, 2019, 3, 280-283.	1.4	11
7	Optical manipulation of sphingolipid biosynthesis using photoswitchable ceramides. ELife, 2019, 8, .	2.8	27
8	A search for ceramide binding proteins using bifunctional lipid analogs yields CERT-related protein StarD7. Journal of Lipid Research, 2018, 59, 515-530.	2.0	42
9	Defective cortex glia plasma membrane structure underlies light-induced epilepsy in cpes mutants. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8919-E8928.	3.3	31
10	Diverting CERT-mediated ceramide transport to mitochondria triggers Bax-dependent apoptosis. Journal of Cell Science, 2017, 130, 360-371.	1.2	52
11	ER residency of the ceramide phosphoethanolamine synthase SMSr relies on homotypic oligomerization mediated by its SAM domain. Scientific Reports, 2017, 7, 41290.	1.6	18
12	Membrane contact sites, ancient and central hubs of cellular lipid logistics. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 1450-1458.	1.9	67
13	Switching head group selectivity in mammalian sphingolipid biosynthesis by active-site-engineering of sphingomyelin synthases. Journal of Lipid Research, 2017, 58, 962-973.	2.0	20
14	Ceramide phosphoethanolamine synthase SMSr is a target of caspase-6 during apoptotic cell death. Bioscience Reports, 2017, 37, .	1.1	5
15	Switching head group selectivity in mammalian sphingolipid biosynthesis by active-site engineering of sphingomyelin synthases. Journal of Lipid Research, 2016, 57, 1273-1285.	2.0	6
16	Monitoring Changes in the Oligomeric State of a Candidate Endoplasmic Reticulum (ER) Ceramide Sensor by Single-molecule Photobleaching. Journal of Biological Chemistry, 2016, 291, 24735-24746.	1.6	12
17	Inner workings and biological impact of phospholipid flippases. Journal of Cell Science, 2015, 128, 2021-2032.	1.2	64
18	Functional characterization of enzymes catalyzing ceramide phosphoethanolamine biosynthesis in mice. Journal of Lipid Research, 2015, 56, 821-835.	2.0	39

#	Article	IF	Citations
19	Sphingomyelin synthase-related protein SMSr is a suppressor of ceramide-induced mitochondrial apoptosis. Journal of Cell Science, 2014, 127, 445-54.	1.2	58
20	New frontiers in sphingolipid biology. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 645-646.	1.2	0
21	Lipid landscapes and pipelines in membrane homeostasis. Nature, 2014, 510, 48-57.	13.7	697
22	Fat & fabulous: Bifunctional lipids in the spotlight. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 1022-1030.	1.2	55
23	Inâ€…Vivo Profiling and Visualization of Cellular Proteinâ€“Lipid Interactions Using Bifunctional Fatty Acids. Angewandte Chemie - International Edition, 2013, 52, 4033-4038.	7.2	114
24	Cellular microcompartments constitute general suborganellar functional units in cells. Biological Chemistry, 2013, 394, 151-161.	1.2	27
25	Ceramide Phosphoethanolamine Biosynthesis in Drosophila Is Mediated by a Unique Ethanolamine Phosphotransferase in the Golgi Lumen. Journal of Biological Chemistry, 2013, 288, 11520-11530.	1.6	60
26	Phosphatidylserine stimulation of Drs2pÂ·Cdc50p lipid translocase dephosphorylation is controlled by phosphatidylinositol-4-phosphate.. Journal of Biological Chemistry, 2012, 287, 44580.	1.6	1
27	Phosphatidylserine Stimulation of Drs2pÂ·Cdc50p Lipid Translocase Dephosphorylation Is Controlled by Phosphatidylinositol-4-phosphate. Journal of Biological Chemistry, 2012, 287, 13249-13261.	1.6	54
28	Mapping Functional Interactions in a Heterodimeric Phospholipid Pump. Journal of Biological Chemistry, 2012, 287, 30529-30540.	1.6	33
29	Pumping lipids with P4-ATPases. Biological Chemistry, 2011, 392, 67-76.	1.2	23
30	Folding defects in P-type ATP 8B1 associated with hereditary cholestasis are ameliorated by 4-phenylbutyrate. Hepatology, 2010, 51, 286-296.	3.6	65
31	A flippase-independent function of ATP8B1, the protein affected in familial intrahepatic cholestasis type 1, is required for apical protein expression and microvillus formation in polarized epithelial cells. Hepatology, 2010, 51, 2049-2060.	3.6	75
32	A brake on lipid synthesis. Nature, 2010, 463, 1028-1029.	13.7	10
33	CDC50 Proteins Are Critical Components of the Human Class-1 P4-ATPase Transport Machinery. Journal of Biological Chemistry, 2010, 285, 40562-40572.	1.6	128
34	Tales and Mysteries of the Enigmatic Sphingomyelin Synthase Family. Advances in Experimental Medicine and Biology, 2010, 688, 72-85.	0.8	38
35	A P₄-ATPase Protein Interaction Network Reveals a Link between Aminophospholipid Transport and Phosphoinositide Metabolism. Journal of Proteome Research, 2010, 9, 833-842.	1.8	16
36	Sphingomyelin synthase SMS2 displays dual activity as ceramide phosphoethanolamine synthase. Journal of Lipid Research, 2009, 50, 2270-2277.	2.0	54

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37	Cdc50p Plays a Vital Role in the ATPase Reaction Cycle of the Putative Aminophospholipid Transporter Drs2p. Journal of Biological Chemistry, 2009, 284, 17956-17967.	1.6	117
38	Sphingomyelin synthase-related protein SMSr controls ceramide homeostasis in the ER. Journal of Cell Biology, 2009, 185, 1013-1027.	2.3	141
39	Membrane Contact Sites between Apicoplast and ER in Toxoplasma gondii Revealed by Electron Tomography. Traffic, 2009, 10, 1471-1480.	1.3	55
40	Mechanism and significance of P4 ATPase-catalyzed lipid transport: Lessons from a Na+/K+-pump. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 603-611.	1.2	46
41	Both Sphingomyelin Synthases SMS1 and SMS2 Are Required for Sphingomyelin Homeostasis and Growth in Human HeLa Cells*. Journal of Biological Chemistry, 2007, 282, 17537-17547.	1.6	183
42	On the origin of lipid asymmetry: the flip side of ion transport. Current Opinion in Chemical Biology, 2007, 11, 654-661.	2.8	69
43	Loss of P4 ATPases Drs2p and Dnf3p Disrupts Aminophospholipid Transport and Asymmetry in Yeast Post-Golgi Secretory Vesicles. Molecular Biology of the Cell, 2006, 17, 1632-1642.	0.9	138
44	The CLN9 Protein, a Regulator of Dihydroceramide Synthase. Journal of Biological Chemistry, 2006, 281, 2784-2794.	1.6	76
45	The Multigenic Sphingomyelin Synthase Family. Journal of Biological Chemistry, 2006, 281, 29421-29425.	1.6	248
46	Lipid traffic: floppy drives and a superhighway. Nature Reviews Molecular Cell Biology, 2005, 6, 209-220.	16.1	442
47	HOR7, a Multicopy Suppressor of the Ca2+-induced Growth Defect in Sphingolipid Mannosyltransferase-deficient Yeast. Journal of Biological Chemistry, 2004, 279, 36390-36396.	1.6	10
48	Tracking down lipid flippases and their biological functions. Journal of Cell Science, 2004, 117, 805-813.	1.2	180
49	Protein Sorting in the Late Golgi of Saccharomyces cerevisiae Does Not Require Mannosylated Sphingolipids. Journal of Biological Chemistry, 2004, 279, 1020-1029.	1.6	32
50	Identification of a family of animal sphingomyelin synthases. EMBO Journal, 2004, 23, 33-44.	3.5	534
51	The elusive flippases. Current Biology, 2004, 14, R912-R913.	1.8	1
52	Sensing Membrane Curvature. Developmental Cell, 2003, 5, 821-822.	3.1	7
53	Drs2p-related P-type ATPases Dnf1p and Dnf2p Are Required for Phospholipid Translocation across the Yeast Plasma Membrane and Serve a Role in Endocytosis. Molecular Biology of the Cell, 2003, 14, 1240-1254.	0.9	338
54	Lipid microdomains, lipid translocation and the organization of intracellular membrane transport (Review). Molecular Membrane Biology, 2003, 20, 231-241.	2.0	84

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55	Lipid microdomains, lipid translocation and the organization of intracellular membrane transport (Review). Molecular Membrane Biology, 2003, 20, 231-41.	2.0	37
56	The Neuroendocrine Proteins Secretogranin II and III Are Regionally Conserved and Coordinately Expressed with Proopiomelanocortin in Xenopus Intermediate Pituitary. Journal of Neurochemistry, 2002, 66, 2248-2256.	2.1	40
57	The Organizing Potential of Sphingolipids in Intracellular Membrane Transport. Physiological Reviews, 2001, 81, 1689-1723.	13.1	291
58	Inhibition of the vacuolar H+-ATPase perturbs the transport, sorting, processing and release of regulated secretory proteins. FEBS Journal, 2000, 267, 5646-5654.	0.2	37
59	Biosynthesis of the vacuolar H+-ATPase accessory subunit Ac45 in Xenopus pituitary. FEBS Journal, 1999, 262, 484-491.	0.2	32
60	The Syntaxin Tlg1p Mediates Trafficking of Chitin Synthase III to Polarized Growth Sites in Yeast. Molecular Biology of the Cell, 1998, 9, 3383-3397.	0.9	106
61	Coordination of protein-DNA interactions in the promoters of human H4, H3, and H1 histone genes during the cell cycle, tumorigenesis, and development. Journal of Cellular Physiology, 1991, 148, 174-189.	2.0	30