Joachim FÃ¼llekrug

List of Publications by Year
in descending order

31 papers	4,255 citations	257450 24 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	6153 citing authors

#	Article	IF	Citations
1	Deficiency of <scp>acylâ€CoA</scp> synthetase 5 is associated with a severe and treatable failure to thrive of neonatal onset. Clinical Genetics, 2021, 99, 376-383.	2.0	5
2	Grease onâ€”Perspectives in lipid droplet biology. Seminars in Cell and Developmental Biology, 2020, 108, 94-101.	5.0	6
3	Lipid droplet quantification based on iterative image processing. Journal of Lipid Research, 2019, 60, 1333-1344.	4.2	25
4	An alternative membrane topology permits lipid droplet localization of peroxisomal fatty acyl-CoA reductase 1. Journal of Cell Science, 2019, 132, .	2.0	15
5	The metabolic capacity of lipid droplet localized acyl-CoA synthetase 3 is not sufficient to support local triglyceride synthesis independent of the endoplasmic reticulum in A431 cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 614-624.	2.4	24
6	Long-chain acyl-CoA synthetase 1 interacts with key proteins that activate and direct fatty acids into niche hepatic pathways. Journal of Biological Chemistry, 2018, 293, 16724-16740.	3.4	67
7	ACSL4 dictates ferroptosis sensitivity by shaping cellular lipid composition. Nature Chemical Biology, 2017, 13, 91-98.	8.0	2,069
8	Generation and functional characterization of epithelial cells with stable expression of SLC26A9 Cl^{âˆ’} channels. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L593-L602.	2.9	36
9	Measurement of Long-Chain Fatty Acyl-CoA Synthetase Activity. Methods in Molecular Biology, 2016, 1376, 43-53.	0.9	6
10	Protein mediated fatty acid uptake: Synergy between CD36/FAT-facilitated transport and acyl-CoA synthetase-driven metabolism. Archives of Biochemistry and Biophysics, 2014, 546, 8-18.	3.0	34
11	Differentially localized acyl-CoA synthetase 4 isoenzymes mediate the metabolic channeling of fatty acids towards phosphatidylinositol. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 227-239.	2.4	102
12	Outlook: membrane junctions enable the metabolic trapping of fatty acids by intracellular acyl-CoA synthetases. Frontiers in Physiology, 2012, 3, 401.	2.8	21
13	The N-terminal region of acyl-CoA synthetase 3 is essential for both the localization on lipid droplets and the function in fatty acid uptake. Journal of Lipid Research, 2012, 53, 888-900.	4.2	107
14	Overexpressed FATP1, ACSVL4/FATP4 and ACSL1 Increase the Cellular Fatty Acid Uptake of 3T3-L1 Adipocytes but Are Localized on Intracellular Membranes. PLoS ONE, 2012, 7, e45087.	2.5	73
15	Overexpression of CD36 and Acyl-CoA Synthetases FATP2, FATP4 and ACSL1 Increases Fatty Acid Uptake in Human Hepatoma Cells. International Journal of Medical Sciences, 2011, 8, 599-614.	2.5	115
16	Silybin and dehydrosilybin decrease glucose uptake by inhibiting GLUT proteins. Journal of Cellular Biochemistry, 2011, 112, 849-859.	2.6	87
17	Adipocyte-specific Inactivation of Acyl-CoA Synthetase Fatty Acid Transport Protein 4 (Fatp4) in Mice Causes Adipose Hypertrophy and Alterations in Metabolism of Complex Lipids under High Fat Diet. Journal of Biological Chemistry, 2011, 286, 35578-35587.	3.4	44
18	FATP4 contributes as an enzyme to the basal and insulin-mediated fatty acid uptake of C₂C₁₂muscle cells. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E785-E796.	3.5	29

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19	Lipid droplets lighting up: Insights from live microscopy. FEBS Letters, 2010, 584, 2168-2175.	2.8	84
20	Acyl-CoA synthetases: fatty acid uptake and metabolic channeling. Molecular and Cellular Biochemistry, 2009, 326, 23-28.	3.1	84
21	Uptake of long chain fatty acids is regulated by dynamic interaction of FAT/CD36 with cholesterol/sphingolipid enriched microdomains (lipid rafts). BMC Cell Biology, 2008, 9, 45.	3.0	73
22	Copper-Induced Translocation of the Wilson Disease Protein ATP7B Independent of Murr1/COMMD1 and Rab7. American Journal of Pathology, 2008, 173, 1783-1794.	3.8	32
23	Anti-inflammatory Effects of Phosphatidylcholine. Journal of Biological Chemistry, 2007, 282, 27155-27164.	3.4	236
24	Identification of glycosylated marker proteins of epithelial polarity in MDCK cells by homology driven proteomics. BMC Biochemistry, 2006, 7, 8.	4.4	33
25	Cellular uptake of fatty acids driven by the ER-localized acyl-CoA synthetase FATP4. Journal of Cell Science, 2006, 119, 4678-4688.	2.0	190
26	FAPP2, cilium formation, and compartmentalization of the apical membrane in polarized Madinâ€“Darby canine kidney (MDCK) cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18556-18561.	7.1	188
27	Caveolin-1 Is Not Essential for Biosynthetic Apical Membrane Transport. Molecular and Cellular Biology, 2005, 25, 10087-10096.	2.3	43
28	Gp135/podocalyxin and NHERF-2 participate in the formation of a preapical domain during polarization of MDCK cells. Journal of Cell Biology, 2005, 168, 303-313.	5.2	173
29	Generation of single and double knockdowns in polarized epithelial cells by retrovirus-mediated RNA interference. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4912-4917.	7.1	91
30	Quantitative ER â†” Golgi Transport Kinetics and Protein Separation upon Golgi Exit Revealed by Vesicular Integral Membrane Protein 36 Dynamics in Live Cells. Molecular Biology of the Cell, 2001, 12, 1481-1498.	2.1	28
31	Localization and Recycling of gp27 (hp24Î³₃): Complex Formation with Other p24 Family Members. Molecular Biology of the Cell, 1999, 10, 1939-1955.	2.1	135