

# Joachim FÃ¼llekrug

## List of Publications by Year in descending order

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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	ACSL4 dictates ferroptosis sensitivity by shaping cellular lipid composition. <i>Nature Chemical Biology</i> , 2017, 13, 91-98.	8.0	2,069
2	Anti-inflammatory Effects of Phosphatidylcholine. <i>Journal of Biological Chemistry</i> , 2007, 282, 27155-27164.	3.4	236
3	Cellular uptake of fatty acids driven by the ER-localized acyl-CoA synthetase FATP4. <i>Journal of Cell Science</i> , 2006, 119, 4678-4688.	2.0	190
4	FAPP2, cilium formation, and compartmentalization of the apical membrane in polarized Madinã€“Darby canine kidney (MDCK) cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18556-18561.	7.1	188
5	Gp135/podocalyxin and NHERF-2 participate in the formation of a preapical domain during polarization of MDCK cells. <i>Journal of Cell Biology</i> , 2005, 168, 303-313.	5.2	173
6	Localization and Recycling of gp27 (hp24î³<sub>3</sub>): Complex Formation with Other p24 Family Members. <i>Molecular Biology of the Cell</i> , 1999, 10, 1939-1955.	2.1	135
7	Overexpression of CD36 and Acyl-CoA Synthetases FATP2, FATP4 and ACSL1 Increases Fatty Acid Uptake in Human Hepatoma Cells. <i>International Journal of Medical Sciences</i> , 2011, 8, 599-614.	2.5	115
8	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. <i>Journal of Lipid Research</i> , 2012, 53, 888-900.	4.2	107
9	Differentially localized acyl-CoA synthetase 4 isoenzymes mediate the metabolic channeling of fatty acids towards phosphatidylinositol. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 227-239.	2.4	102
10	Generation of single and double knockdowns in polarized epithelial cells by retrovirus-mediated RNA interference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4912-4917.	7.1	91
11	Silybin and dehydrosilybin decrease glucose uptake by inhibiting GLUT proteins. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 849-859.	2.6	87
12	Acyl-CoA synthetases: fatty acid uptake and metabolic channeling. <i>Molecular and Cellular Biochemistry</i> , 2009, 326, 23-28.	3.1	84
13	Lipid droplets lighting up: Insights from live microscopy. <i>FEBS Letters</i> , 2010, 584, 2168-2175.	2.8	84
14	Uptake of long chain fatty acids is regulated by dynamic interaction of FAT/CD36 with cholesterol/sphingolipid enriched microdomains (lipid rafts). <i>BMC Cell Biology</i> , 2008, 9, 45.	3.0	73
15	Overexpressed FATP1, ACSVL4/FATP4 and ACSL1 Increase the Cellular Fatty Acid Uptake of 3T3-L1 Adipocytes but Are Localized on Intracellular Membranes. <i>PLoS ONE</i> , 2012, 7, e45087.	2.5	73
16	Long-chain acyl-CoA synthetase 1 interacts with key proteins that activate and direct fatty acids into niche hepatic pathways. <i>Journal of Biological Chemistry</i> , 2018, 293, 16724-16740.	3.4	67
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. <i>Journal of Biological Chemistry</i> , 2011, 286, 35578-35587.	3.4	44
18	Caveolin-1 Is Not Essential for Biosynthetic Apical Membrane Transport. <i>Molecular and Cellular Biology</i> , 2005, 25, 10087-10096.	2.3	43

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19	Generation and functional characterization of epithelial cells with stable expression of SLC26A9 Cl <sup>&gt;sup&gt;âˆ“&lt;/sup&gt; channels. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L593-L602.</sup>	2.9	36
20	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
21	Identification of glycosylated marker proteins of epithelial polarity in MDCK cells by homology driven proteomics. BMC Biochemistry, 2006, 7, 8.	4.4	33
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	FATP4 contributes as an enzyme to the basal and insulin-mediated fatty acid uptake of C<sub>2</sub>C<sub>12</sub> muscle cells. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E785-E796.	3.5	29
24	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
25	Lipid droplet quantification based on iterative image processing. Journal of Lipid Research, 2019, 60, 1333-1344.	4.2	25
26	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
27	Outlook: membrane junctions enable the metabolic trapping of fatty acids by intracellular acyl-CoA synthetases. Frontiers in Physiology, 2012, 3, 401.	2.8	21
28	An alternative membrane topology permits lipid droplet localization of peroxisomal fatty acyl-CoA reductase 1. Journal of Cell Science, 2019, 132, .	2.0	15
29	Grease onâ€”Perspectives in lipid droplet biology. Seminars in Cell and Developmental Biology, 2020, 108, 94-101.	5.0	6
30	Measurement of Long-Chain Fatty Acyl-CoA Synthetase Activity. Methods in Molecular Biology, 2016, 1376, 43-53.	0.9	6
31	Deficiency of <sc>acylâ€CoA</sc> synthetase 5 is associated with a severe and treatable failure to thrive of neonatal onset. Clinical Genetics, 2021, 99, 376-383.	2.0	5