Christian Klose

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7298847/publications.pdf

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44	3,288	201674	254184
papers	citations	27	43
		h-index	g-index

48	48	48	5445
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Membrane lipidome of an epithelial cell line. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1903-1907.	7.1	432
2	Harmonizing lipidomics: NIST interlaboratory comparison exercise for lipidomics using SRM 1950â€“Metabolites in Frozen Human Plasma. Journal of Lipid Research, 2017, 58, 2275-2288.	4.2	312
3	Flexibility of a Eukaryotic Lipidome â€“ Insights from Yeast Lipidomics. PLoS ONE, 2012, 7, e35063.	2.5	274
4	An automated shotgun lipidomics platform for high throughput, comprehensive, and quantitative analysis of blood plasma intact lipids. European Journal of Lipid Science and Technology, 2015, 117, 1540-1549.	1.5	244
5	Control of plasma membrane lipid homeostasis by the extended synaptotagmins. Nature Cell Biology, 2016, 18, 504-515.	10.3	219
6	Cell-Type- and Brain-Region-Resolved Mouse Brain Lipidome. Cell Reports, 2020, 32, 108132.	6.4	147
7	A Lipid E-MAP Identifies Ubx2 as a Critical Regulator of Lipid Saturation and Lipid Bilayer Stress. Molecular Cell, 2013, 51, 519-530.	9.7	127
8	Organellar lipidomicsâ€”background and perspectives. Current Opinion in Cell Biology, 2013, 25, 406-413.	5.4	123
9	Genetic architecture of human plasma lipidome and its link to cardiovascular disease. Nature Communications, 2019, 10, 4329.	12.8	120
10	Ï‰-3 polyunsaturated fatty acids direct differentiation of the membrane phenotype in mesenchymal stem cells to potentiate osteogenesis. Science Advances, 2017, 3, eaao1193.	10.3	105
11	Lipid-dependent protein sorting at the trans-Golgi network. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 1059-1067.	2.4	104
12	Yeast Lipids Can Phase-separate into Micrometer-scale Membrane Domains. Journal of Biological Chemistry, 2010, 285, 30224-30232.	3.4	96
13	TREM2-dependent lipid droplet biogenesis in phagocytes is required for remyelination. Journal of Experimental Medicine, 2021, 218, .	8.5	68
14	The Clathrin Adaptor Gga2p Is a Phosphatidylinositol 4-phosphate Effector at the Golgi Exit. Molecular Biology of the Cell, 2008, 19, 1991-2002.	2.1	66
15	Nucleocytoplasmic Shuttling of the Golgi Phosphatidylinositol 4-Kinase Pik1 Is Regulated by 14-3-3 Proteins and Coordinates Golgi Function with Cell Growth. Molecular Biology of the Cell, 2008, 19, 1046-1061.	2.1	64
16	Generic Sorting of Raft Lipids into Secretory Vesicles in Yeast. Traffic, 2011, 12, 1139-1147.	2.7	63
17	Large-scale human skin lipidomics by quantitative, high-throughput shotgun mass spectrometry. Scientific Reports, 2017, 7, 43761.	3.3	53
18	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. PLoS Biology, 2019, 17, e3000443.	5.6	51

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19	Osh Proteins Control Nanoscale Lipid Organization Necessary for PI(4,5)P2 Synthesis. Molecular Cell, 2019, 75, 1043-1057.e8.	9.7	47
20	Cell Size and Growth Rate Are Modulated by TORC2-Dependent Signals. Current Biology, 2018, 28, 196-210.e4.	3.9	44
21	Cholesterol is Inefficiently Converted to Cholesteryl Esters in the Blood of Cardiovascular Disease Patients. Scientific Reports, 2018, 8, 14764.	3.3	44
22	Serine-Dependent Sphingolipid Synthesis Is a Metabolic Liability of Aneuploid Cells. Cell Reports, 2017, 21, 3807-3818.	6.4	42
23	Adipose tissue ATGL modifies the cardiac lipidome in pressure-overload-induced left ventricular failure. PLoS Genetics, 2018, 14, e1007171.	3.5	42
24	Diet-dependent regulation of TGFÎ² impairs reparative innate immune responses after demyelination. Nature Metabolism, 2021, 3, 211-227.	11.9	41
25	Heritability and responses to high fat diet of plasma lipidomics in a twin study. Scientific Reports, 2017, 7, 3750.	3.3	37
26	Comprehensive and quantitative analysis of white and brown adipose tissue by shotgun lipidomics. Molecular Metabolism, 2019, 22, 12-20.	6.5	35
27	Plasma Lipidome and Prediction of Type 2 Diabetes in the Population-Based MalmÃ¶ Diet and Cancer Cohort. Diabetes Care, 2020, 43, 366-373.	8.6	35
28	Mouse lipidomics reveals inherent flexibility of a mammalian lipidome. Scientific Reports, 2021, 11, 19364.	3.3	31
29	Integrative analysis of prognostic biomarkers derived from multiomics panels helps discrimination of chronic kidney disease trajectories in people with type 2 diabetes. Kidney International, 2019, 96, 1381-1388.	5.2	29
30	Coronary Artery Disease Risk and Lipidomic Profiles Are Similar in Hyperlipidemias With Family History and Populationâ€Ascertained Hyperlipidemias. Journal of the American Heart Association, 2019, 8, e012415.	3.7	24
31	Human epidermal stem cell differentiation is modulated by specific lipid subspecies. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22173-22182.	7.1	23
32	Lipidomic risk scores are independent of polygenic risk scores and can predict incidence of diabetes and cardiovascular disease in a large population cohort. PLoS Biology, 2022, 20, e3001561.	5.6	22
33	The anti-tumor drug 2-hydroxyoleic acid (Minerval) stimulates signaling and retrograde transport. Oncotarget, 2016, 7, 86871-86888.	1.8	21
34	Early signature in the blood lipidome associated with subsequent cognitive decline in the elderly: A case-control analysis nested within the Three-City cohort study. EBioMedicine, 2021, 64, 103216.	6.1	20
35	Shotgun Lipidomics Discovered Diurnal Regulation of Lipid Metabolism Linked to Insulin Sensitivity in Nondiabetic Men. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 1501-1514.	3.6	17
36	Identification of Shared and Unique Serum Lipid Profiles in Diabetes Mellitus and Myocardial Infarction. Journal of the American Heart Association, 2016, 5, .	3.7	12

#	Article	IF	Citations
37	Plasma lipidomics of monozygotic twins discordant for multiple sclerosis. Annals of Clinical and Translational Neurology, 2020, 7, 2461-2466.	3.7	11
38	Proteomic and lipidomic profiling of demyelinating lesions identifies fatty acids as modulators in lesion recovery. Cell Reports, 2021, 37, 109898.	6.4	11
39	Fluidity and Lipid Composition of Membranes of Peroxisomes, Mitochondria and the ER From Oleic Acid-Induced Saccharomyces cerevisiae. Frontiers in Cell and Developmental Biology, 2020, 8, 574363.	3.7	10
40	New Regulator for Energy Signaling Pathway in Plants Highlights Conservation Among Species. Science Signaling, 2010, 3, jc5.	3.6	6
41	Profiling of Yeast Lipids by Shotgun Lipidomics. Methods in Molecular Biology, 2016, 1361, 309-324.	0.9	5
42	Diacylglycerol kinase and phospholipase D inhibitors alter the cellular lipidome and endosomal sorting towards the Golgi apparatus. Cellular and Molecular Life Sciences, 2021, 78, 985-1009.	5.4	5
43	How to measure slow diffusion in yeast cell membranes. Proceedings of SPIE, 2008, , .	0.8	3
44	Lipidomics Enriches Multiomics. Genetic Engineering and Biotechnology News, 2019, 39, 36-37.	0.1	0