Christian Klose

List of Publications by Year
in descending order

44 papers	3,288 citations	201674 27 h-index	254184 43 g-index
48 all docs	48 docs citations	48 times ranked	5445 citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Diet-dependent regulation of TGFβ impairs reparative innate immune responses after demyelination. Nature Metabolism, 2021, 3, 211-227.	11.9	41
3	TREM2-dependent lipid droplet biogenesis in phagocytes is required for remyelination. Journal of Experimental Medicine, 2021, 218, .	8.5	68
4	Mouse lipidomics reveals inherent flexibility of a mammalian lipidome. Scientific Reports, 2021, 11, 19364.	3.3	31
5	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
6	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
7	Proteomic and lipidomic profiling of demyelinating lesions identifies fatty acids as modulators in lesion recovery. Cell Reports, 2021, 37, 109898.	6.4	11
8	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
9	Plasma Lipidome and Prediction of Type 2 Diabetes in the Population-Based Malmö Diet and Cancer Cohort. Diabetes Care, 2020, 43, 366-373.	8.6	35
10	Plasma lipidomics of monozygotic twins discordant for multiple sclerosis. Annals of Clinical and Translational Neurology, 2020, 7, 2461-2466.	3.7	11
11	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
12	Cell-Type- and Brain-Region-Resolved Mouse Brain Lipidome. Cell Reports, 2020, 32, 108132.	6.4	147
13	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
14	Lipidomics Enriches Multiomics. Genetic Engineering and Biotechnology News, 2019, 39, 36-37.	0.1	0
15	Osh Proteins Control Nanoscale Lipid Organization Necessary for PI(4,5)P2 Synthesis. Molecular Cell, 2019, 75, 1043-1057.e8.	9.7	47
16	Coronary Artery Disease Risk and Lipidomic Profiles Are Similar in Hyperlipidemias With Family History and Population‐Ascertained Hyperlipidemias. Journal of the American Heart Association, 2019, 8, e012415.	3.7	24
17	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. PLoS Biology, 2019, 17, e3000443.	5.6	51
18	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

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19	Genetic architecture of human plasma lipidome and its link to cardiovascular disease. Nature Communications, 2019, 10, 4329.	12.8	120
20	Comprehensive and quantitative analysis of white and brown adipose tissue by shotgun lipidomics. Molecular Metabolism, 2019, 22, 12-20.	6.5	35
21	Cell Size and Growth Rate Are Modulated by TORC2-Dependent Signals. Current Biology, 2018, 28, 196-210.e4.	3.9	44
22	Cholesterol is Inefficiently Converted to Cholesteryl Esters in the Blood of Cardiovascular Disease Patients. Scientific Reports, 2018, 8, 14764.	3.3	44
23	Adipose tissue ATGL modifies the cardiac lipidome in pressure-overload-induced left ventricular failure. PLoS Genetics, 2018, 14, e1007171.	3.5	42
24	Heritability and responses to high fat diet of plasma lipidomics in a twin study. Scientific Reports, 2017, 7, 3750.	3.3	37
25	Large-scale human skin lipidomics by quantitative, high-throughput shotgun mass spectrometry. Scientific Reports, 2017, 7, 43761.	3.3	53
26	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
27	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
28	Serine-Dependent Sphingolipid Synthesis Is a Metabolic Liability of Aneuploid Cells. Cell Reports, 2017, 21, 3807-3818.	6.4	42
29	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
30	Control of plasma membrane lipid homeostasis by the extended synaptotagmins. Nature Cell Biology, 2016, 18, 504-515.	10.3	219
31	Profiling of Yeast Lipids by Shotgun Lipidomics. Methods in Molecular Biology, 2016, 1361, 309-324.	0.9	5
32	The anti-tumor drug 2-hydroxyoleic acid (Minerval) stimulates signaling and retrograde transport. Oncotarget, 2016, 7, 86871-86888.	1.8	21
33	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
34	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
35	Organellar lipidomicsâ€"background and perspectives. Current Opinion in Cell Biology, 2013, 25, 406-413.	5.4	123
36	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

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37	Flexibility of a Eukaryotic Lipidome â€" Insights from Yeast Lipidomics. PLoS ONE, 2012, 7, e35063.	2.5	274
38	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
39	Generic Sorting of Raft Lipids into Secretory Vesicles in Yeast. Traffic, 2011, 12, 1139-1147.	2.7	63
40	New Regulator for Energy Signaling Pathway in Plants Highlights Conservation Among Species. Science Signaling, 2010, 3, jc5.	3.6	6
41	Yeast Lipids Can Phase-separate into Micrometer-scale Membrane Domains. Journal of Biological Chemistry, 2010, 285, 30224-30232.	3.4	96
42	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
43	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
44	How to measure slow diffusion in yeast cell membranes. Proceedings of SPIE, 2008, , .	0.8	3