Kai Simons

List of Publications by Year
in descending order

46	12,084	218677	302126
papers	citations	26 h-index	39 g-index

51	51	51	16035
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lipid rafts and signal transduction. Nature Reviews Molecular Cell Biology, 2000, 1, 31-39.	37.0	5,519
2	Global analysis of the yeast lipidome by quantitative shotgun mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2136-2141.	7.1	932
3	Membrane Organization and Lipid Rafts. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004697-a004697.	5.5	841
4	Lipidomics: coming to grips with lipid diversity. Nature Reviews Molecular Cell Biology, 2010, 11, 593-598.	37.0	703
5	Modulation of Myelopoiesis Progenitors Is an Integral Component of Trained Immunity. Cell, 2018, 172, 147-161.e12.	28.9	702
6	Cholesterol, lipid rafts, and disease. Journal of Clinical Investigation, 2002, 110, 597-603.	8.2	468
7	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
8	Clusters of glycolipid and glycosylphosphatidylinositol-anchored proteins in lymphoid cellsâ€‰: accumulation of actin regulated by local tyrosine phosphorylation. European Journal of Immunology, 1999, 29, 556-562.	2.9	312
9	Flexibility of a Eukaryotic Lipidome â€“ Insights from Yeast Lipidomics. PLoS ONE, 2012, 7, e35063.	2.5	274
10	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
11	Hopanoids as functional analogues of cholesterol in bacterial membranes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11971-11976.	7.1	197
12	Membrane raft association is a determinant of plasma membrane localization. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8500-8505.	7.1	178
13	Fusion of Constitutive Membrane Traffic with the Cell Surface Observed by Evanescent Wave Microscopy. Journal of Cell Biology, 2000, 149, 33-40.	5.2	151
14	N -Glycosylation as determinant of epidermal growth factor receptor conformation in membranes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4334-4339.	7.1	135
15	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
16	Genetic architecture of human plasma lipidome and its link to cardiovascular disease. Nature Communications, 2019, 10, 4329.	12.8	120
17	Glycosylphosphatidylinositol-anchored proteins: Membrane organization and transport. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 632-639.	2.6	106
18	Adaptive Lipid Packing and Bioactivity in Membrane Domains. PLoS ONE, 2015, 10, e0123930.	2.5	96

#	Article	IF	Citations
19	Specific Inhibition of Î²-Secretase Processing of the Alzheimer Disease Amyloid Precursor Protein. Cell Reports, 2016, 14, 2127-2141.	6.4	87
20	Large-scale human skin lipidomics by quantitative, high-throughput shotgun mass spectrometry. Scientific Reports, 2017, 7, 43761.	3.3	53
21	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. PLoS Biology, 2019, 17, e3000443.	5.6	51
22	Replication and cross-validation of type 2 diabetes subtypes based on clinical variables: an IMI-RHAPSODY study. Diabetologia, 2021, 64, 1982-1989.	6.3	44
23	Comprehensive and quantitative analysis of white and brown adipose tissue by shotgun lipidomics. Molecular Metabolism, 2019, 22, 12-20.	6.5	35
24	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
25	Lipidomic approach for stratification of acute myeloid leukemia patients. PLoS ONE, 2017, 12, e0168781.	2.5	33
26	Mouse lipidomics reveals inherent flexibility of a mammalian lipidome. Scientific Reports, 2021, 11, 19364.	3.3	31
27	A plasma lipid signature predicts incident coronary artery disease. International Journal of Cardiology, 2021, 331, 249-254.	1.7	30
28	Cholesterol depletion reduces apical transport capacity in epithelial Madinâ€“Darby canine kidney cells. Biochemical Journal, 2001, 357, 11-15.	3.7	26
29	Distinct Molecular Signatures of Clinical Clusters in People With Type 2 Diabetes: An IMI-RHAPSODY Study. Diabetes, 2021, 70, 2683-2693.	0.6	26
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	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
32	Lipidomimetic Compounds Act as HIV-1 Entry Inhibitors by Altering Viral Membrane Structure. Frontiers in Immunology, 2018, 9, 1983.	4.8	14
33	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
34	Adverse Effects of Refeeding on the Plasma Lipidome inÂYoung Individuals With Anorexia Nervosa?. Journal of the American Academy of Child and Adolescent Psychiatry, 2021, 60, 1479-1490.	0.5	11
35	A set of gene knockouts as a resource for global lipidomic changes. Scientific Reports, 2022, 12, .	3.3	4
36	The European Research Council on the Brink. Cell, 2005, 123, 747-750.	28.9	3

#	Article	IF	Citations
37	Coming to grips with cell surface polarity. Nature Reviews Molecular Cell Biology, 2017, 18, 278-278.	37.0	1
38	Suzanne Eaton (1959â€“2019): A pioneer in quantitative tissue morphogenesis. Journal of Cell Biology, 2019, 218, 2819-2821.	5.2	1
39	Visualization of Membrane Sorting and Fusion in Living Cells using Total Internal Reflection (TIR) and Multicolor Video Microscopy. Microscopy and Microanalysis, 2001, 7, 34-35.	0.4	1
40	Lennart Philipson (1929â€“2011). Science, 2011, 333, 711-711.	12.6	0
41	My Early Days with Ari Helenius: Detergents and Viruses. Traffic, 2016, 17, 305-307.	2.7	0
42	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. , 2019, 17, e3000443.		0
43	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. , 2019, 17, e3000443.		0
44	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. , 2019, 17, e3000443.		0
45	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. , 2019, 17, e3000443.		0
46	Machine learning of human plasma lipidomes for obesity estimation in a large population cohort. , 2019, 17, e3000443.		0