Pingsheng Liu

List of Publications by Year
in descending order

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80	6,273	87886 38	71682 76
papers	citations	h-index	g-index

89	89	89	7715
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiple Functions of Caveolin-1. Journal of Biological Chemistry, 2002, 277, 41295-41298.	3.4	505
2	Chinese Hamster Ovary K2 Cell Lipid Droplets Appear to Be Metabolic Organelles Involved in Membrane Traffic. Journal of Biological Chemistry, 2004, 279, 3787-3792.	3.4	463
3	Lipidomics reveals that adiposomes store ether lipids and mediate phospholipid traffic,. Journal of Lipid Research, 2007, 48, 837-847.	4.2	397
4	Estrogen Receptor Î± and Endothelial Nitric Oxide Synthase Are Organized Into a Functional Signaling Module in Caveolae. Circulation Research, 2000, 87, E44-52.	4.5	356
5	Dynamic Activity of Lipid Droplets:â€‰ Protein Phosphorylation and GTP-Mediated Protein Translocation. Journal of Proteome Research, 2007, 6, 3256-3265.	3.7	273
6	A role for lipid droplets in interâ€membrane lipid traffic. Proteomics, 2009, 9, 914-921.	2.2	234
7	The proteomics of lipid droplets: structure, dynamics, and functions of the organelle conserved from bacteria to humans. Journal of Lipid Research, 2012, 53, 1245-1253.	4.2	188
8	Proteome of Skeletal Muscle Lipid Droplet Reveals Association with Mitochondria and Apolipoprotein A-I. Journal of Proteome Research, 2011, 10, 4757-4768.	3.7	170
9	Comparative proteomic study reveals 17Î²-HSD13 as a pathogenic protein in nonalcoholic fatty liver disease. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11437-11442.	7.1	159
10	The ER-Localized Transmembrane Protein EPG-3/VMP1 Regulates SERCA Activity to Control ER-Isolation Membrane Contacts for Autophagosome Formation. Molecular Cell, 2017, 67, 974-989.e6.	9.7	158
11	Rab-regulated interaction of early endosomes with lipid droplets. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 784-793.	4.1	152
12	Oleate Blocks Palmitate-Induced Abnormal Lipid Distribution, Endoplasmic Reticulum Expansion and Stress, and Insulin Resistance in Skeletal Muscle. Endocrinology, 2011, 152, 2206-2218.	2.8	151
13	Proteomic Study and Marker Protein Identification of Caenorhabditis elegans Lipid Droplets. Molecular and Cellular Proteomics, 2012, 11, 317-328.	3.8	151
14	Interactomic study on interaction between lipid droplets and mitochondria. Protein and Cell, 2011, 2, 487-496.	11.0	144
15	Isolating lipid droplets from multiple species. Nature Protocols, 2013, 8, 43-51.	12.0	143
16	Lipid droplet proteins and metabolic diseases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 1968-1983.	3.8	123
17	Lipid droplet remodeling and interaction with mitochondria in mouse brown adipose tissue during cold treatment. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 918-928.	4.1	113
18	Serum exosomes mediate delivery of arginase 1 as a novel mechanism for endothelial dysfunction in diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6927-E6936.	7.1	109

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19	Identification of caveolin-1 in lipoprotein particles secreted by exocrine cells. Nature Cell Biology, 1999, 1, 369-375.	10.3	106
20	Multiple Domains in Caveolin-1 Control Its Intracellular Traffic. Journal of Cell Biology, 2000, 148, 17-28.	5.2	106
21	Identification of the major functional proteins of prokaryotic lipid droplets. Journal of Lipid Research, 2012, 53, 399-411.	4.2	103
22	Lysine Malonylation Is Elevated in Type 2 Diabetic Mouse Models and Enriched in Metabolic Associated Proteins. Molecular and Cellular Proteomics, 2015, 14, 227-236.	3.8	101
23	Targeting sequences of UBXD8 and AAM-B reveal that the ER has a direct role in the emergence and regression of lipid droplets. Journal of Cell Science, 2009, 122, 3694-3702.	2.0	98
24	Identification of a novel N-terminal hydrophobic sequence that targets proteins to lipid droplets. Journal of Cell Science, 2008, 121, 1852-1860.	2.0	89
25	A Clean, More Efficient Method for In-Solution Digestion of Protein Mixtures without Detergent or Urea. Journal of Proteome Research, 2006, 5, 3446-3452.	3.7	88
26	Sterol-induced Dislocation of 3-Hydroxy-3-methylglutaryl Coenzyme A Reductase from Endoplasmic Reticulum Membranes into the Cytosol through a Subcellular Compartment Resembling Lipid Droplets. Journal of Biological Chemistry, 2010, 285, 19288-19298.	3.4	82
27	Integrated omics study delineates the dynamics of lipid droplets in Rhodococcus opacus PD630. Nucleic Acids Research, 2014, 42, 1052-1064.	14.5	79
28	Molecular characterization of seipin and its mutants: implications for seipin in triacylglycerol synthesis. Journal of Lipid Research, 2011, 52, 2136-2147.	4.2	77
29	The ER-Localized Protein DFCP1 Modulates ER-Lipid Droplet Contact Formation. Cell Reports, 2019, 27, 343-358.e5.	6.4	74
30	Dynamics of the Lipid Droplet Proteome of the Oleaginous Yeast Rhodosporidium toruloides. Eukaryotic Cell, 2015, 14, 252-264.	3.4	71
31	Bacterial lipid droplets bind to DNA via an intermediary protein that enhances survival under stress. Nature Communications, 2017, 8, 15979.	12.8	71
32	Morphologically and Functionally Distinct Lipid Droplet Subpopulations. Scientific Reports, 2016, 6, 29539.	3.3	68
33	Inhibition of miR-200c Restores Endothelial Function in Diabetic Mice Through Suppression of COX-2. Diabetes, 2016, 65, 1196-1207.	0.6	68
34	The lipid droplet: A conserved cellular organelle. Protein and Cell, 2017, 8, 796-800.	11.0	63
35	The New Face of the Lipid Droplet: Lipid Droplet Proteins. Proteomics, 2019, 19, e1700223.	2.2	61
36	Two Types of Contact Between Lipid Droplets and Mitochondria. Frontiers in Cell and Developmental Biology, 2020, 8, 618322.	3.7	57

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37	Dietary fatty acids promote lipid droplet diversity through seipin enrichment in an ER subdomain. Nature Communications, 2019, 10, 2902.	12.8	53
38	Identification of lipid droplet structure-like/resident proteins in Caenorhabditis elegans. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2481-2491.	4.1	50
39	Construction of Nanodroplet/Adiposome and Artificial Lipid Droplets. ACS Nano, 2016, 10, 3312-3322.	14.6	42
40	Early effects of PP60v-src kinase activation on caveolae. Journal of Cellular Biochemistry, 1998, 71, 524-535.	2.6	40
41	Proteomic analysis of murine testes lipid droplets. Scientific Reports, 2015, 5, 12070.	3.3	40
42	Skeletal Muscle Lipid Droplets and the Athleteâ€™s Paradox. Cells, 2019, 8, 249.	4.1	37
43	Perilipin 2 and lipid droplets provide reciprocal stabilization. Biophysics Reports, 2019, 5, 145-160.	0.8	35
44	Lipid droplets and mitochondria are anchored during brown adipocyte differentiation. Protein and Cell, 2019, 10, 921-926.	11.0	34
45	Cyclooxygenase-2-dependent oxidative stress mediates palmitate-induced impairment of endothelium-dependent relaxations in mouse arteries. Biochemical Pharmacology, 2014, 91, 474-482.	4.4	29
46	HDAC6 Suppresses Age-Dependent Ectopic Fat Accumulation by Maintaining the Proteostasis of PLIN2 in Drosophila. Developmental Cell, 2017, 43, 99-111.e5.	7.0	28
47	Fusobacterium nucleatum Promotes Colorectal Cancer Cell to Acquire Stem Cellâ€Like Features by Manipulating Lipid Dropletâ€Mediated Numb Degradation. Advanced Science, 2022, 9, e2105222.	11.2	28
48	Comparative proteomics reveals abnormal binding of ATGL and dysferlin on lipid droplets from pressure overload-induced dysfunctional rat hearts. Scientific Reports, 2016, 6, 19782.	3.3	26
49	Cold-Inducible Klf9 Regulates Thermogenesis of Brown and Beige Fat. Diabetes, 2020, 69, 2603-2618.	0.6	26
50	Hydroxysteroid dehydrogenase family proteins on lipid droplets through bacteria, C. elegans, and mammals. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 881-894.	2.4	25
51	Comparative Proteomic Study of Fatty Acid-treated Myoblasts Reveals Role of Cox-2 in Palmitate-induced Insulin Resistance. Scientific Reports, 2016, 6, 21454.	3.3	24
52	Omic studies reveal the pathogenic lipid droplet proteins in non-alcoholic fatty liver disease. Protein and Cell, 2017, 8, 4-13.	11.0	23
53	Lysine glycation of apolipoprotein A-I impairs its anti-inflammatory function in type 2 diabetes mellitus. Journal of Molecular and Cellular Cardiology, 2018, 122, 47-57.	1.9	22
54	Rabâ€Regulated Membrane Traffic between Adiposomes and Multiple Endomembrane Systems. Methods in Enzymology, 2008, 439, 327-337.	1.0	19

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55	Phosphorylation and function of DGAT1 in skeletal muscle cells. Biophysics Reports, 2015, 1, 41-50.	0.8	19
56	Vanadium(IV)-chlorodipicolinate alleviates hepatic lipid accumulation by inducing autophagy via the LKB1/AMPK signaling pathway in vitro and in vivo. Journal of Inorganic Biochemistry, 2018, 183, 66-76.	3.5	19
57	MDT-28/PLIN-1 mediates lipid droplet-microtubule interaction via DLC-1 in Caenorhabditis elegans. Scientific Reports, 2019, 9, 14902.	3.3	17
58	Rab18 binds PLIN2 and ACSL3 to mediate lipid droplet dynamics. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158923.	2.4	17
59	Microorganism lipid droplets and biofuel development. BMB Reports, 2013, 46, 575-581.	2.4	16
60	The Adrenal Lipid Droplet is a New Site for Steroid Hormone Metabolism. Proteomics, 2018, 18, e1800136.	2.2	13
61	Comparative proteomic study of liver lipid droplets and mitochondria in mice housed at different temperatures. FEBS Letters, 2019, 593, 2118-2138.	2.8	13
62	Oxidovanadium(IV) sulfate-induced glucose uptake in HepG2 cells through IR/Akt pathway and hydroxyl radicals. Journal of Inorganic Biochemistry, 2015, 149, 39-44.	3.5	12
63	Ceramide enhances COX-2 expression and VSMC contractile hyperreactivity via ER stress signal activation. Vascular Pharmacology, 2017, 96-98, 26-32.	2.1	12
64	SILAC-based quantitative proteomic analysis of the livers of spontaneous obese and diabetic rhesus monkeys. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E294-E306.	3.5	12
65	Validating an artificial organelle: Studies of lipid droplet-specific proteins on adiposome platform. IScience, 2021, 24, 102834.	4.1	12
66	mmBCFA C17iso ensures endoplasmic reticulum integrity for lipid droplet growth. Journal of Cell Biology, 2021, 220, .	5.2	12
67	Identification of small ORF-encoded peptides in mouse serum. Biophysics Reports, 2018, 4, 39-49.	0.8	11
68	Proteomic Studies of Isolated Lipid Droplets from Bacteria, C. elegans, and Mammals. Methods in Cell Biology, 2013, 116, 1-14.	1.1	9
69	Whole-genome RNAi screen identifies methylation-related genes influencing lipid metabolism in Caenorhabditis elegans. Journal of Genetics and Genomics, 2018, 45, 259-272.	3.9	7
70	Dietary S. maltophilia induces supersized lipid droplets by enhancing lipogenesis and ER-LD contacts in C. elegans. Gut Microbes, 2022, 14, 2013762.	9.8	7
71	Comparative proteomics reveals that lipid droplet-anchored mitochondria are more sensitive to cold in brown adipocytes. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158992.	2.4	6
72	An efficient two-step subcellular fractionation method for the enrichment of insulin granules from INS-1 cells. Biophysics Reports, 2015, 1, 34-40.	0.8	5

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73	Ptrf transgenic mice exhibit obesity and fatty liver. Clinical and Experimental Pharmacology and Physiology, 2018, 45, 704-710.	1.9	4
74	The anti-obesity effects of EGCG in relation to oxidative stress and air-pollution in China. Natural Products and Bioprospecting, 2013, 3, 256-266.	4.3	3
75	Protocol for using artificial lipid droplets to study the binding affinity of lipid droplet-associated proteins. STAR Protocols, 2022, 3, 101214.	1.2	3
76	Identification of noncoding RNA-encoded proteins on lipid droplets. Science Bulletin, 2021, 66, 314-318.	9.0	2
77	Membrane biophysics session. Biophysical Reviews, 2019, 11, 283-284.	3.2	1
78	Reconstitution of Adiposome and Artificial Lipid Droplets. FASEB Journal, 2015, 29, LB171.	0.5	1
79	Endoplasmic Reticulum Stress Mediates Palmitic Acidâ€induced Insulin Resistance in Skeletal Muscle Cells. FASEB Journal, 2010, 24, 690.4.	0.5	0
80	Identification of Lipid Droplet Structureâ€like Proteins and Their Function on Lifespan of Caenorhabitis elegans. FASEB Journal, 2013, 27, 585.1.	0.5	0