Pingsheng Liu

List of Publications by Citations

83 papers	4,901 citations	36 h-index	69 g-index
89 ext. papers	5,585 ext. citations	6.5 avg, IF	5.35 L-index

#	Paper	IF	Citations
83	Multiple functions of caveolin-1. *Journal of Biological Chemistry*, **2002**, 277, 41295-8	5.4	435
82	Chinese hamster ovary K2 cell lipid droplets appear to be metabolic organelles involved in membrane traffic. *Journal of Biological Chemistry*, **2004**, 279, 3787-92	5.4	425
81	Lipidomics reveals that adiposomes store ether lipids and mediate phospholipid traffic. *Journal of Lipid Research*, **2007**, 48, 837-47	6.3	330
80	Estrogen receptor alpha and endothelial nitric oxide synthase are organized into a functional signaling module in caveolae. *Circulation Research*, **2000**, 87, E44-52	15.7	306
79	Dynamic activity of lipid droplets: protein phosphorylation and GTP-mediated protein translocation. *Journal of Proteome Research*, **2007**, 6, 3256-65	5.6	247
78	A role for lipid droplets in inter-membrane lipid traffic. *Proteomics*, **2009**, 9, 914-21	4.8	206
77	The proteomics of lipid droplets: structure, dynamics, and functions of the organelle conserved from bacteria to humans. *Journal of Lipid Research*, **2012**, 53, 1245-53	6.3	152
76	Proteome of skeletal muscle lipid droplet reveals association with mitochondria and apolipoprotein a-I. *Journal of Proteome Research*, **2011**, 10, 4757-68	5.6	144
75	Rab-regulated interaction of early endosomes with lipid droplets. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2007**, 1773, 784-93	4.9	133
74	Oleate blocks palmitate-induced abnormal lipid distribution, endoplasmic reticulum expansion and stress, and insulin resistance in skeletal muscle. *Endocrinology*, **2011**, 152, 2206-18	4.8	120
73	Proteomic study and marker protein identification of Caenorhabditis elegans lipid droplets. *Molecular and Cellular Proteomics*, **2012**, 11, 317-28	7.6	117
72	Comparative proteomic study reveals 17□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, 11437-42	11.5	116
71	Isolating lipid droplets from multiple species. *Nature Protocols*, **2013**, 8, 43-51	18.8	112
70	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	17.6	105
69	Interactomic study on interaction between lipid droplets and mitochondria. *Protein and Cell*, **2011**, 2, 487-96	7.2	102
68	Multiple domains in caveolin-1 control its intracellular traffic. *Journal of Cell Biology*, **2000**, 148, 17-28	7.3	99
67	Identification of caveolin-1 in lipoprotein particles secreted by exocrine cells. *Nature Cell Biology*, **1999**, 1, 369-75	23.4	95

66	Identification of the major functional proteins of prokaryotic lipid droplets. *Journal of Lipid Research*, **2012**, 53, 399-411	6.3	86
65	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, 3694-702	5.3	83
64	A clean, more efficient method for in-solution digestion of protein mixtures without detergent or urea. *Journal of Proteome Research*, **2006**, 5, 3446-52	5.6	83
63	Identification of a novel N-terminal hydrophobic sequence that targets proteins to lipid droplets. *Journal of Cell Science*, **2008**, 121, 1852-60	5.3	79
62	Lipid droplet remodeling and interaction with mitochondria in mouse brown adipose tissue during cold treatment. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2015**, 1853, 918-28	4.9	77
61	Lipid droplet proteins and metabolic diseases. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 1968-1983	6.9	75
60	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, 19288-98	5.4	73
59	Lysine malonylation is elevated in type 2 diabetic mouse models and enriched in metabolic associated proteins. *Molecular and Cellular Proteomics*, **2015**, 14, 227-36	7.6	69
58	Integrated omics study delineates the dynamics of lipid droplets in Rhodococcus opacus PD630. *Nucleic Acids Research*, **2014**, 42, 1052-64	20.1	67
57	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	11.5	64
56	Molecular characterization of seipin and its mutants: implications for seipin in triacylglycerol synthesis. *Journal of Lipid Research*, **2011**, 52, 2136-2147	6.3	63
55	Dynamics of the lipid droplet proteome of the Oleaginous yeast rhodosporidium toruloides. *Eukaryotic Cell*, **2015**, 14, 252-64		58
54	Inhibition of miR-200c Restores Endothelial Function in Diabetic Mice Through Suppression of COX-2. *Diabetes*, **2016**, 65, 1196-207	0.9	54
53	Bacterial lipid droplets bind to DNA via an intermediary protein that enhances survival under stress. *Nature Communications*, **2017**, 8, 15979	17.4	49
52	Morphologically and Functionally Distinct Lipid Droplet Subpopulations. *Scientific Reports*, **2016**, 6, 29539	4.9	49
51	The lipid droplet: A conserved cellular organelle. *Protein and Cell*, **2017**, 8, 796-800	7.2	45
50	Early effects of PP60v-src kinase activation on caveolae. *Journal of Cellular Biochemistry*, **1998**, 71, 524-535	4.7	39
49	The New Face of the Lipid Droplet: Lipid Droplet Proteins. *Proteomics*, **2019**, 19, e1700223	4.8	39

48	The ER-Localized Protein DFCP1 Modulates ER-Lipid Droplet Contact Formation. *Cell Reports*, **2019**, 27, 343-358.e5	10.6	38
47	Identification of lipid droplet structure-like/resident proteins in Caenorhabditis elegans. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2015**, 1853, 2481-91	4.9	35
46	Dietary fatty acids promote lipid droplet diversity through seipin enrichment in an ER subdomain. *Nature Communications*, **2019**, 10, 2902	17.4	32
45	Proteomic analysis of murine testes lipid droplets. *Scientific Reports*, **2015**, 5, 12070	4.9	31
44	Cyclooxygenase-2-dependent oxidative stress mediates palmitate-induced impairment of endothelium-dependent relaxations in mouse arteries. *Biochemical Pharmacology*, **2014**, 91, 474-82	6	23
43	Skeletal Muscle Lipid Droplets and the Athlete¥s Paradox. *Cells*, **2019**, 8,	7.9	20
42	Comparative proteomics reveals abnormal binding of ATGL and dysferlin on lipid droplets from pressure overload-induced dysfunctional rat hearts. *Scientific Reports*, **2016**, 6, 19782	4.9	20
41	Comparative Proteomic Study of Fatty Acid-treated Myoblasts Reveals Role of Cox-2 in Palmitate-induced Insulin Resistance. *Scientific Reports*, **2016**, 6, 21454	4.9	20
40	Construction of Nanodroplet/Adiposome and Artificial Lipid Droplets. *ACS Nano*, **2016**, 10, 3312-22	16.7	19
39	Omic studies reveal the pathogenic lipid droplet proteins in non-alcoholic fatty liver disease. *Protein and Cell*, **2017**, 8, 4-13	7.2	19
38	Rab-regulated membrane traffic between adiposomes and multiple endomembrane systems. *Methods in Enzymology*, **2008**, 439, 327-37	1.7	18
37	Perilipin 2 and lipid droplets provide reciprocal stabilization. *Biophysics Reports*, **2019**, 5, 145-160	3.5	17
36	Two Types of Contact Between Lipid Droplets and Mitochondria. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 618322	5.7	17
35	HDAC6 Suppresses Age-Dependent Ectopic Fat Accumulation by Maintaining the Proteostasis of PLIN2 in Drosophila. *Developmental Cell*, **2017**, 43, 99-111.e5	10.2	16
34	Lipid droplets and mitochondria are anchored during brown adipocyte differentiation. *Protein and Cell*, **2019**, 10, 921-926	7.2	15
33	Phosphorylation and function of DGAT1 in skeletal muscle cells. *Biophysics Reports*, **2015**, 1, 41-50	3.5	15
32	Microorganism lipid droplets and biofuel development. *BMB Reports*, **2013**, 46, 575-81	5.5	15
31	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	5	13

30	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	5.8	12
29	Oxidovanadium(IV) sulfate-induced glucose uptake in HepG2 cells through IR/Akt pathway and hydroxyl radicals. *Journal of Inorganic Biochemistry*, **2015**, 149, 39-44	4.2	11
28	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	4.2	11
27	Ceramide enhances COX-2 expression and VSMC contractile hyperreactivity via ER stress signal activation. *Vascular Pharmacology*, **2017**, 96-98, 26-32	5.9	10
26	Identification of small ORF-encoded peptides in mouse serum. *Biophysics Reports*, **2018**, 4, 39-49	3.5	8
25	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	6	8
24	MDT-28/PLIN-1 mediates lipid droplet-microtubule interaction via DLC-1 in Caenorhabditis elegans. *Scientific Reports*, **2019**, 9, 14902	4.9	8
23	Proteomic studies of isolated lipid droplets from bacteria, C. elegans, and mammals. *Methods in Cell Biology*, **2013**, 116, 1-14	1.8	8
22	Comparative proteomic study of liver lipid droplets and mitochondria in mice housed at different temperatures. *FEBS Letters*, **2019**, 593, 2118-2138	3.8	7
21	Cold-Inducible Klf9 Regulates Thermogenesis of Brown and Beige Fat. *Diabetes*, **2020**, 69, 2603-2618	0.9	7
20	The Adrenal Lipid Droplet is a New Site for Steroid Hormone Metabolism. *Proteomics*, **2018**, 18, e1800136	4.8	7
19	An efficient two-step subcellular fractionation method for the enrichment of insulin granules from INS-1 cells. *Biophysics Reports*, **2015**, 1, 34-40	3.5	4
18	Ptrf transgenic mice exhibit obesity and fatty liver. *Clinical and Experimental Pharmacology and Physiology*, **2018**, 45, 704-710	3	3
17	The anti-obesity effects of EGCG in relation to oxidative stress and air-pollution in China. *Natural Products and Bioprospecting*, **2013**, 3, 256-266	4.9	3
16	Rab18 binds PLIN2 and ACSL3 to mediate lipid droplet dynamics. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2021**, 1866, 158923	5	3
15	Whole-genome RNAi screen identifies methylation-related genes influencing lipid metabolism in Caenorhabditis elegans. *Journal of Genetics and Genomics*, **2018**, 45, 259-272	4	3
14	mmBCFA C17iso ensures endoplasmic reticulum integrity for lipid droplet growth. *Journal of Cell Biology*, **2021**, 220,	7.3	2
13	Validating an artificial organelle: Studies of lipid droplet-specific proteins on adiposome platform. *IScience*, **2021**, 24, 102834	6.1	2

12	Lipid Droplet Is an Ancient and Inheritable Organelle in Bacteria		1
11	Identification of Functional Noncoding RNA-encoded Proteins on Lipid Droplets		1
10	Identification of Lipid Droplets in Gut Microbiota		1
9	Identification of noncoding RNA-encoded proteins on lipid droplets. *Science Bulletin*, **2021**, 66, 314-318	10.6	1
8	Fusobacterium nucleatum Promotes Colorectal Cancer Cell to Acquire Stem Cell-Like Features by Manipulating Lipid Droplet-Mediated Numb Degradation.. *Advanced Science*, **2022**, e2105222	13.6	1
7	Membrane biophysics session. *Biophysical Reviews*, **2019**, 11, 283-284	3.7	0
6	Dietary induces supersized lipid droplets by enhancing lipogenesis and ER-LD contacts in .. *Gut Microbes*, **2022**, 14, 2013762	8.8	0
5	Reconstitution of Adiposome and Artificial Lipid Droplets. *FASEB Journal*, **2015**, 29, LB171	0.9	0
4	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	5	0
3	Endoplasmic Reticulum Stress Mediates Palmitic Acid-induced Insulin Resistance in Skeletal Muscle Cells. *FASEB Journal*, **2010**, 24, 690.4	0.9	
2	Identification of Lipid Droplet Structure-like Proteins and Their Function on Lifespan of Caenorhabitis elegans. *FASEB Journal*, **2013**, 27, 585.1	0.9	
1	Protocol for using artificial lipid droplets to study the binding affinity of lipid droplet-associated proteins.. *STAR Protocols*, **2022**, 3, 101214	1.4	