

# Pingsheng Liu

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3640686/pingsheng-liu-publications-by-year.pdf>

**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 83 | Dietary induces supersized lipid droplets by enhancing lipogenesis and ER-LD contacts in .. <i>Gut Microbes</i> , <b>2022</b> , 14, 2013762  | 8.8  | 0         |
| 82 | Fusobacterium nucleatum Promotes Colorectal Cancer Cell to Acquire Stem Cell-Like Features by Manipulating Lipid Droplet-Mediated Numb Degradation.. <i>Advanced Science</i> , <b>2022</b> , e2105222                            | 13.6 | 1         |
| 81 | Protocol for using artificial lipid droplets to study the binding affinity of lipid droplet-associated proteins.. <i>STAR Protocols</i> , <b>2022</b> , 3, 101214  | 1.4  |           |
| 80 | mmBCFA C17iso ensures endoplasmic reticulum integrity for lipid droplet growth. <i>Journal of Cell Biology</i> , <b>2021</b> , 220,  | 7.3  | 2         |
| 79 | Rab18 binds PLIN2 and ACSL3 to mediate lipid droplet dynamics. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2021</b> , 1866, 158923  | 5    | 3         |
| 78 | Identification of noncoding RNA-encoded proteins on lipid droplets. <i>Science Bulletin</i> , <b>2021</b> , 66, 314-318  | 10.6 | 1         |
| 77 | Validating an artificial organelle: Studies of lipid droplet-specific proteins on adiposome platform. <i>IScience</i> , <b>2021</b> , 24, 102834   | 6.1  | 2         |
| 76 | Comparative proteomics reveals that lipid droplet-anchored mitochondria are more sensitive to cold in brown adipocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2021</b> , 1866, 158992 | 5    | 0         |
| 75 | Cold-Inducible Klf9 Regulates Thermogenesis of Brown and Beige Fat. <i>Diabetes</i> , <b>2020</b> , 69, 2603-2618  | 0.9  | 7         |
| 74 | Two Types of Contact Between Lipid Droplets and Mitochondria. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 618322   | 5.7  | 17        |
| 73 | Comparative proteomic study of liver lipid droplets and mitochondria in mice housed at different temperatures. <i>FEBS Letters</i> , <b>2019</b> , 593, 2118-2138  | 3.8  | 7         |
| 72 | Membrane biophysics session. <i>Biophysical Reviews</i> , <b>2019</b> , 11, 283-284  | 3.7  | 0         |
| 71 | Skeletal Muscle Lipid Droplets and the Athlete's Paradox. <i>Cells</i> , <b>2019</b> , 8,  | 7.9  | 20        |
| 70 | The ER-Localized Protein DFCP1 Modulates ER-Lipid Droplet Contact Formation. <i>Cell Reports</i> , <b>2019</b> , 27, 343-358.e5  | 10.6 | 38        |
| 69 | Perilipin 2 and lipid droplets provide reciprocal stabilization. <i>Biophysics Reports</i> , <b>2019</b> , 5, 145-160  | 3.5  | 17        |
| 68 | Dietary fatty acids promote lipid droplet diversity through seipin enrichment in an ER subdomain. <i>Nature Communications</i> , <b>2019</b> , 10, 2902  | 17.4 | 32        |
| 67 | MDT-28/PLIN-1 mediates lipid droplet-microtubule interaction via DLC-1 in <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , <b>2019</b> , 9, 14902   | 4.9  | 8         |

|    |   |      |     |
|----|---|------|-----|
| 66 | Lipid droplets and mitochondria are anchored during brown adipocyte differentiation. <i>Protein and Cell</i> , <b>2019</b> , 10, 921-926  | 7.2  | 15  |
| 65 | The New Face of the Lipid Droplet: Lipid Droplet Proteins. <i>Proteomics</i> , <b>2019</b> , 19, e1700223   | 4.8  | 39  |
| 64 | Ptfr transgenic mice exhibit obesity and fatty liver. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2018</b> , 45, 704-710  | 3    | 3   |
| 63 | Hydroxysteroid dehydrogenase family proteins on lipid droplets through bacteria, <i>C. elegans</i> , and mammals. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2018</b> , 1863, 881-894         | 5    | 13  |
| 62 | Identification of small ORF-encoded peptides in mouse serum. <i>Biophysics Reports</i> , <b>2018</b> , 4, 39-49   | 3.5  | 8   |
| 61 | Vanadium(IV)-chlorodipicolinate alleviates hepatic lipid accumulation by inducing autophagy via the LKB1/AMPK signaling pathway in vitro and in vivo. <i>Journal of Inorganic Biochemistry</i> , <b>2018</b> , 183, 66-76           | 4.2  | 11  |
| 60 | Lipid droplet proteins and metabolic diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2018</b> , 1864, 1968-1983  | 6.9  | 75  |
| 59 | SILAC-based quantitative proteomic analysis of the livers of spontaneous obese and diabetic rhesus monkeys. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2018</b> , 315, E294-E306                     | 6    | 8   |
| 58 | Lysine glycation of apolipoprotein A-I impairs its anti-inflammatory function in type 2 diabetes mellitus. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2018</b> , 122, 47-57   | 5.8  | 12  |
| 57 | The Adrenal Lipid Droplet is a New Site for Steroid Hormone Metabolism. <i>Proteomics</i> , <b>2018</b> , 18, e180013   | 4.8  | 7   |
| 56 | Whole-genome RNAi screen identifies methylation-related genes influencing lipid metabolism in <i>Caenorhabditis elegans</i> . <i>Journal of Genetics and Genomics</i> , <b>2018</b> , 45, 259-272                                   | 4    | 3   |
| 55 | Serum exosomes mediate delivery of arginase 1 as a novel mechanism for endothelial dysfunction in diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E6927-E6936 | 11.5 | 64  |
| 54 | HDAC6 Suppresses Age-Dependent Ectopic Fat Accumulation by Maintaining the Proteostasis of PLIN2 in <i>Drosophila</i> . <i>Developmental Cell</i> , <b>2017</b> , 43, 99-111.e5   | 10.2 | 16  |
| 53 | The lipid droplet: A conserved cellular organelle. <i>Protein and Cell</i> , <b>2017</b> , 8, 796-800   | 7.2  | 45  |
| 52 | The ER-Localized Transmembrane Protein EPG-3/VMP1 Regulates SERCA Activity to Control ER-Isolation Membrane Contacts for Autophagosome Formation. <i>Molecular Cell</i> , <b>2017</b> , 67, 974-989.e6                              | 17.6 | 105 |
| 51 | Ceramide enhances COX-2 expression and VSMC contractile hyperreactivity via ER stress signal activation. <i>Vascular Pharmacology</i> , <b>2017</b> , 96-98, 26-32  | 5.9  | 10  |
| 50 | Bacterial lipid droplets bind to DNA via an intermediary protein that enhances survival under stress. <i>Nature Communications</i> , <b>2017</b> , 8, 15979   | 17.4 | 49  |
| 49 | Omic studies reveal the pathogenic lipid droplet proteins in non-alcoholic fatty liver disease. <i>Protein and Cell</i> , <b>2017</b> , 8, 4-13   | 7.2  | 19  |

|    |  |      |     |
|----|--|------|-----|
| 48 | Comparative proteomics reveals abnormal binding of ATGL and dysferlin on lipid droplets from pressure overload-induced dysfunctional rat hearts. <i>Scientific Reports</i> , <b>2016</b> , 6, 19782                            | 4.9  | 20  |
| 47 | Inhibition of miR-200c Restores Endothelial Function in Diabetic Mice Through Suppression of COX-2. <i>Diabetes</i> , <b>2016</b> , 65, 1196-207   | 0.9  | 54  |
| 46 | Construction of Nanodroplet/Adiposome and Artificial Lipid Droplets. <i>ACS Nano</i> , <b>2016</b> , 10, 3312-22   | 16.7 | 19  |
| 45 | Morphologically and Functionally Distinct Lipid Droplet Subpopulations. <i>Scientific Reports</i> , <b>2016</b> , 6, 29532   | 4.9  | 49  |
| 44 | Comparative Proteomic Study of Fatty Acid-treated Myoblasts Reveals Role of Cox-2 in Palmitate-induced Insulin Resistance. <i>Scientific Reports</i> , <b>2016</b> , 6, 21454  | 4.9  | 20  |
| 43 | Identification of lipid droplet structure-like/resident proteins in <i>Caenorhabditis elegans</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2015</b> , 1853, 2481-91                               | 4.9  | 35  |
| 42 | Oxidovanadium(IV) sulfate-induced glucose uptake in HepG2 cells through IR/Akt pathway and hydroxyl radicals. <i>Journal of Inorganic Biochemistry</i> , <b>2015</b> , 149, 39-44  | 4.2  | 11  |
| 41 | An efficient two-step subcellular fractionation method for the enrichment of insulin granules from INS-1 cells. <i>Biophysics Reports</i> , <b>2015</b> , 1, 34-40   | 3.5  | 4   |
| 40 | Phosphorylation and function of DGAT1 in skeletal muscle cells. <i>Biophysics Reports</i> , <b>2015</b> , 1, 41-50   | 3.5  | 15  |
| 39 | Proteomic analysis of murine testes lipid droplets. <i>Scientific Reports</i> , <b>2015</b> , 5, 12070   | 4.9  | 31  |
| 38 | Lysine malonylation is elevated in type 2 diabetic mouse models and enriched in metabolic associated proteins. <i>Molecular and Cellular Proteomics</i> , <b>2015</b> , 14, 227-36   | 7.6  | 69  |
| 37 | Lipid droplet remodeling and interaction with mitochondria in mouse brown adipose tissue during cold treatment. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2015</b> , 1853, 918-28                    | 4.9  | 77  |
| 36 | Dynamics of the lipid droplet proteome of the Oleaginous yeast <i>rhodosporidium toruloides</i> . <i>Eukaryotic Cell</i> , <b>2015</b> , 14, 252-64  |      | 58  |
| 35 | Reconstitution of Adiposome and Artificial Lipid Droplets. <i>FASEB Journal</i> , <b>2015</b> , 29, LB171  | 0.9  | 0   |
| 34 | Cyclooxygenase-2-dependent oxidative stress mediates palmitate-induced impairment of endothelium-dependent relaxations in mouse arteries. <i>Biochemical Pharmacology</i> , <b>2014</b> , 91, 474-82                           | 6    | 23  |
| 33 | Comparative proteomic study reveals 17βHSD13 as a pathogenic protein in nonalcoholic fatty liver disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 11437-42 | 11.5 | 116 |
| 32 | Integrated omics study delineates the dynamics of lipid droplets in <i>Rhodococcus opacus</i> PD630. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 1052-64   | 20.1 | 67  |
| 31 | Proteomic studies of isolated lipid droplets from bacteria, <i>C. elegans</i> , and mammals. <i>Methods in Cell Biology</i> , <b>2013</b> , 116, 1-14  | 1.8  | 8   |

|    |   |      |     |
|----|---|------|-----|
| 30 | The anti-obesity effects of EGCG in relation to oxidative stress and air-pollution in China. <i>Natural Products and Bioprospecting</i> , <b>2013</b> , 3, 256-266  | 4.9  | 3   |
| 29 | Isolating lipid droplets from multiple species. <i>Nature Protocols</i> , <b>2013</b> , 8, 43-51  | 18.8 | 112 |
| 28 | Microorganism lipid droplets and biofuel development. <i>BMB Reports</i> , <b>2013</b> , 46, 575-81   | 5.5  | 15  |
| 27 | Identification of Lipid Droplet Structure-like Proteins and Their Function on Lifespan of <i>Caenorhabditis elegans</i> . <i>FASEB Journal</i> , <b>2013</b> , 27, 585.1  | 0.9  |     |
| 26 | The proteomics of lipid droplets: structure, dynamics, and functions of the organelle conserved from bacteria to humans. <i>Journal of Lipid Research</i> , <b>2012</b> , 53, 1245-53   | 6.3  | 152 |
| 25 | Proteomic study and marker protein identification of <i>Caenorhabditis elegans</i> lipid droplets. <i>Molecular and Cellular Proteomics</i> , <b>2012</b> , 11, 317-28  | 7.6  | 117 |
| 24 | Identification of the major functional proteins of prokaryotic lipid droplets. <i>Journal of Lipid Research</i> , <b>2012</b> , 53, 399-411   | 6.3  | 86  |
| 23 | Proteome of skeletal muscle lipid droplet reveals association with mitochondria and apolipoprotein a-I. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 4757-68   | 5.6  | 144 |
| 22 | Interactomic study on interaction between lipid droplets and mitochondria. <i>Protein and Cell</i> , <b>2011</b> , 2, 487-96  | 7.2  | 102 |
| 21 | Oleate blocks palmitate-induced abnormal lipid distribution, endoplasmic reticulum expansion and stress, and insulin resistance in skeletal muscle. <i>Endocrinology</i> , <b>2011</b> , 152, 2206-18   | 4.8  | 120 |
| 20 | Molecular characterization of seipin and its mutants: implications for seipin in triacylglycerol synthesis. <i>Journal of Lipid Research</i> , <b>2011</b> , 52, 2136-2147  | 6.3  | 63  |
| 19 | 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. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 19288-98 | 5.4  | 73  |
| 18 | Endoplasmic Reticulum Stress Mediates Palmitic Acid-induced Insulin Resistance in Skeletal Muscle Cells. <i>FASEB Journal</i> , <b>2010</b> , 24, 690.4   | 0.9  |     |
| 17 | Targeting sequences of UBXD8 and AAM-B reveal that the ER has a direct role in the emergence and regression of lipid droplets. <i>Journal of Cell Science</i> , <b>2009</b> , 122, 3694-702   | 5.3  | 83  |
| 16 | A role for lipid droplets in inter-membrane lipid traffic. <i>Proteomics</i> , <b>2009</b> , 9, 914-21  | 4.8  | 206 |
| 15 | Rab-regulated membrane traffic between adiposomes and multiple endomembrane systems. <i>Methods in Enzymology</i> , <b>2008</b> , 439, 327-37   | 1.7  | 18  |
| 14 | Identification of a novel N-terminal hydrophobic sequence that targets proteins to lipid droplets. <i>Journal of Cell Science</i> , <b>2008</b> , 121, 1852-60  | 5.3  | 79  |
| 13 | Rab-regulated interaction of early endosomes with lipid droplets. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2007</b> , 1773, 784-93   | 4.9  | 133 |

|    |  |      |     |
|----|--|------|-----|
| 12 | Lipidomics reveals that adiposomes store ether lipids and mediate phospholipid traffic. <i>Journal of Lipid Research</i> , <b>2007</b> , 48, 837-47                                | 6.3  | 330 |
| 11 | Dynamic activity of lipid droplets: protein phosphorylation and GTP-mediated protein translocation. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 3256-65                 | 5.6  | 247 |
| 10 | A clean, more efficient method for in-solution digestion of protein mixtures without detergent or urea. <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 3446-52             | 5.6  | 83  |
| 9  | Chinese hamster ovary K2 cell lipid droplets appear to be metabolic organelles involved in membrane traffic. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 3787-92   | 5.4  | 425 |
| 8  | Multiple functions of caveolin-1. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 41295-8  | 5.4  | 435 |
| 7  | Multiple domains in caveolin-1 control its intracellular traffic. <i>Journal of Cell Biology</i> , <b>2000</b> , 148, 17-28  | 7.3  | 99  |
| 6  | Estrogen receptor alpha and endothelial nitric oxide synthase are organized into a functional signaling module in caveolae. <i>Circulation Research</i> , <b>2000</b> , 87, E44-52 | 15.7 | 306 |
| 5  | Identification of caveolin-1 in lipoprotein particles secreted by exocrine cells. <i>Nature Cell Biology</i> , <b>1999</b> , 1, 369-75   | 23.4 | 95  |
| 4  | Early effects of PP60v-src kinase activation on caveolae. <i>Journal of Cellular Biochemistry</i> , <b>1998</b> , 71, 524-535  | 15.7 | 39  |
| 3  | Lipid Droplet Is an Ancient and Inheritable Organelle in Bacteria  |      | 1   |
| 2  | Identification of Functional Noncoding RNA-encoded Proteins on Lipid Droplets  |      | 1   |
| 1  | Identification of Lipid Droplets in Gut Microbiota   |      | 1   |