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The New Face of the Lipid Droplet: Lipid Droplet Proteins

DOI: 10.1002/pmic.201700223
Proteomics, 2019, 19, e1700223.

Source: <https://exaly.com/paper-pdf/74485656/citation-report.pdf>

Version: 2024-04-27

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#	Paper	IF	Citations
52	The Adrenal Lipid Droplet is a New Site for Steroid Hormone Metabolism. <i>Proteomics</i> , 2018 , 18, e18001368	4.8	7
51	MDT-28/PLIN-1 mediates lipid droplet-microtubule interaction via DLC-1 in <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2019 , 9, 14902	4.9	8
50	Regulation of glucose and lipid metabolism in health and disease. <i>Science China Life Sciences</i> , 2019 , 62, 1420-1458	8.5	65
49	Neutral Lipid Content in Lipid Droplets: Potential Biomarker of Cordycepin Accumulation in Cordycepin-Producing Fungi. <i>Molecules</i> , 2019 , 24,	4.8	2
48	Protein Quality Control and Lipid Droplet Metabolism. <i>Annual Review of Cell and Developmental Biology</i> , 2020 , 36, 115-139	12.6	18
47	Regulation of intracellular lipid storage and utilization. 2020 , 131-156		0
46	Lignocellulosic Biomass as a Substrate for Oleaginous Microorganisms: A Review. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7698	2.6	21
45	The hypoglycemic effect of extract/fractions from Fuzhuan Brick-Tea in streptozotocin-induced diabetic mice and their active components characterized by LC-QTOF-MS/MS. <i>Journal of Food Science</i> , 2020 , 85, 2933-2942	3.4	6
44	Metabolism of Storage Lipids and the Role of Lipid Droplets in the Yeast <i>Schizosaccharomyces pombe</i> . <i>Lipids</i> , 2020 , 55, 513-535	1.6	5
43	Lipid Droplets Accumulate in the Hypothalamus of Mice and Humans with and without Metabolic Diseases. <i>Neuroendocrinology</i> , 2021 , 111, 263-272	5.6	3
42	Identification of Low-Abundance Lipid Droplet Proteins in Seeds and Seedlings. <i>Plant Physiology</i> , 2020 , 182, 1326-1345	6.6	20
41	Mechanisms of protein targeting to lipid droplets: A unified cell biological and biophysical perspective. <i>Seminars in Cell and Developmental Biology</i> , 2020 , 108, 4-13	7.5	18
40	Obscure yet Promising Oleaginous Yeasts for Fuel and Chemical Production. <i>Trends in Biotechnology</i> , 2020 , 38, 873-887	15.1	25
39	Identification and analysis of lipid droplet-related proteome in the adipose tissue of grass carp (<i>Ctenopharyngodon idella</i>) under fed and starved conditions. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020 , 36, 100710	2	1
38	The fluorescent markers based on oxazolopyridine unit for imaging organelles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 126996	2.9	4
37	The Role of Triacylglycerol in Plant Stress Response. <i>Plants</i> , 2020 , 9,	4.5	30
36	Spastin mutations impair coordination between lipid droplet dispersion and reticulum. <i>PLoS Genetics</i> , 2020 , 16, e1008665	6	9

35	Identification of noncoding RNA-encoded proteins on lipid droplets. <i>Science Bulletin</i> , 2021 , 66, 314-318	10.6	1
34	Lipid droplets and lipid mediators in viral infection and immunity. <i>FEMS Microbiology Reviews</i> , 2021 , 45,	15.1	15
33	Low temperatures induce physiological changes in lipids, fatty acids and hydrocarbons, in two rare winter scorpions of genus <i>Urophonius</i> (Scorpiones, Bothriuridae). <i>Journal of Thermal Biology</i> , 2021 , 96, 102841	2.9	0
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31	Dissecting lipid droplet biology with coherent Raman scattering microscopy. <i>Journal of Cell Science</i> , 2022 , 135,	5.3	4
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26	Rab18 binds PLIN2 and ACSL3 to mediate lipid droplet dynamics. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021 , 1866, 158923	5	3
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24	Characterization of cytoplasmic lipid droplets in each region of the small intestine of lean and diet-induced obese mice in response to dietary fat. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 321, G75-G86	5.1	1
23	Validating an artificial organelle: Studies of lipid droplet-specific proteins on adiposome platform. <i>iScience</i> , 2021 , 24, 102834	6.1	2
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18	Lipid Droplet Is an Ancient and Inheritable Organelle in Bacteria.		1

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14	The Many Faces of Lipids in Genome Stability (and How to Unmask Them). <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	0
13	Raman Spectroscopy and Its Modifications Applied to Biological and Medical Research.. <i>Cells</i> , 2022 , 11,	7.9	3
12	A Novel Fluoro-Pyrazine-Bridged Donor-Acceptor-Donor Fluorescent Probe for Lipid Droplet-Specific Imaging in Diverse Cells and Superoxide Anion Generation.. <i>Pharmaceutical Research</i> , 2022 , 1	4.5	0
11	Both full length-cholesteryl ester transfer protein and exon 9-deleted cholesteryl ester transfer protein promote triacylglycerol storage in cultured hepatocytes. <i>Lipids</i> , 2021 ,	1.6	
10	Responsive Liquid Metal Droplets: From Bulk to Nano.. <i>Nanomaterials</i> , 2022 , 12,	5.4	1
9	Use of Nanostructured Silver Substrates (Coatings) to Study the Content and Conformation of β -carotene. <i>Herald of the Bauman Moscow State Technical University, Series Natural Sciences</i> , 2022 , 112-124 ^{0.8}		
8	Capturing the liquid-crystalline phase transformation: Implications for protein targeting to sterol ester-rich lipid droplets.		
7	Lipid droplet dynamics in healthy and pyometra-affected canine endometrium. <i>BMC Veterinary Research</i> , 2022 , 18,	2.7	1
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4	Capturing the Liquid-Crystalline Phase Transformation: Implications for Protein Targeting to Sterol Ester-Rich Lipid Droplets. 2022 , 12, 949		0
3	Aggregation-Induced Emission Luminogens for Enhanced Photodynamic Therapy: From Organelle Targeting to Tumor Targeting. 2022 , 12, 1027		0
2	Cellular communication through extracellular vesicles and lipid droplets. 2023 , 2,		0
1	Hepatic Lipid Droplet-Associated Proteome Changes Distinguish Dietary-Induced Fatty Liver from Insulin Resistance in Male Mice.		0