Dynamics and functions of lipid droplets

Nature Reviews Molecular Cell Biology 20, 137-155 DOI: 10.1038/s41580-018-0085-z

Citation Report

#	ARTICLE	IF	CITATIONS
1	Lipid Droplets Grease Enterovirus Replication. Cell Host and Microbe, 2019, 26, 149-151.	11.0	15
2	Spastin joins LDs and peroxisomes in the interorganelle contact ballet. Journal of Cell Biology, 2019, 218, 2439-2441.	5.2	6
3	Clustering in the Golgi apparatus governs sorting and function of GPIâ€APs in polarized epithelial cells. FEBS Letters, 2019, 593, 2351-2365.	2.8	18
4	Deranged hepatocyte intracellular Ca2+ homeostasis and the progression of non-alcoholic fatty liver disease to hepatocellular carcinoma. Cell Calcium, 2019, 82, 102057.	2.4	40
5	Novel Fluorescence-Based Method To Characterize the Antioxidative Effects of Food Metabolites on Lipid Droplets in Cultured Hepatocytes. Journal of Agricultural and Food Chemistry, 2019, 67, 9934-9941.	5.2	13
6	Alterations in lipid metabolism of spinal cord linked to amyotrophic lateral sclerosis. Scientific Reports, 2019, 9, 11642.	3.3	98
7	Multifunctional pyrazoline based AIEgens: real-time tracking and specific protein "fishing―of lipid droplets. Chemical Science, 2019, 10, 9009-9016.	7.4	48
8	Lipid droplet–membrane contact sites – from protein binding to function. Journal of Cell Science, 2019, 132, .	2.0	55
9	Mechanisms of lipid droplet biogenesis. Biochemical Journal, 2019, 476, 1929-1942.	3.7	68
10	The biogenesis of lipid droplets: Lipids take center stage. Progress in Lipid Research, 2019, 75, 100989.	11.6	104
11	DGAT2 partially compensates for lipid-induced ER stress in human DGAT1-deficient intestinal stem cells. Journal of Lipid Research, 2019, 60, 1787-1800.	4.2	14
12	Cellular transformations in nearâ€infrared lightâ€induced apoptosis in cancer cells revealed by labelâ€free CARS imaging. Journal of Biophotonics, 2019, 12, e201900179.	2.3	7
13	Catching Lipid Droplet Contacts by Proteomics. Contact (Thousand Oaks (Ventura County, Calif)), 2019, 2, 251525641985918.	1.3	6
14	A Tense Situation: Maintaining ER Homeostasis during Lipid Droplet Budding. Developmental Cell, 2019, 50, 1-2.	7.0	19
15	MIGA2 Links Mitochondria, the ER, and Lipid Droplets and Promotes De Novo Lipogenesis in Adipocytes. Molecular Cell, 2019, 76, 811-825.e14.	9.7	136
16	Extracellular Matrix-Modified Fiber Scaffolds as a Proadipogenic Mesenchymal Stromal Cell Delivery Platform. ACS Biomaterials Science and Engineering, 2019, 5, 6655-6666.	5.2	15
17	Perilipin 5 Protects against Cellular Oxidative Stress by Enhancing Mitochondrial Function in HepG2 Cells. Cells, 2019, 8, 1241.	4.1	51
18	Structure and functions of oleosomes (oil bodies). Advances in Colloid and Interface Science, 2019, 274, 102039.	14.7	124

ATION RED

#	Article	IF	CITATIONS
19	Lipid droplets and mitochondria are anchored during brown adipocyte differentiation. Protein and Cell, 2019, 10, 921-926.	11.0	34
20	Regulation of glucose and lipid metabolism in health and disease. Science China Life Sciences, 2019, 62, 1420-1458.	4.9	134
21	Pantheric Acids A–C from a Poisonous Mushroom, <i>Amanita pantherina</i> , Promote Lipid Accumulation in Adipocytes. Journal of Natural Products, 2019, 82, 3489-3493.	3.0	25
22	Characterization of Lipid Profiles after Dietary Intake of Polyunsaturated Fatty Acids Using Integrated Untargeted and Targeted Lipidomics. Metabolites, 2019, 9, 241.	2.9	48
23	Lipid Assemblies at the Crossroads of Aging, Proteostasis, and Neurodegeneration. Trends in Cell Biology, 2019, 29, 954-963.	7.9	6
24	Neutral Lipids Are Not a Source of Arachidonic Acid for Lipid Mediator Signaling in Human Foamy Monocytes. Cells, 2019, 8, 941.	4.1	13
25	Drosophila Snazarus Regulates a Lipid Droplet Population at Plasma Membrane-Droplet Contacts in Adipocytes. Developmental Cell, 2019, 50, 557-572.e5.	7.0	72
26	Exercise regulates lipid droplet dynamics in normal and fatty liver. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 158519.	2.4	29
27	Un-phased: Lipid Droplets Modulate the Bioavailability of Antibiotics. Developmental Cell, 2019, 50, 530-532.	7.0	3
28	Lipid droplet dynamics in alcoholic fatty liver disease. Liver Research, 2019, 3, 185-190.	1.4	10
29	Cellular Uptake, Cytotoxicity and Trafficking of Supported Lipid-Bilayer-Coated Lanthanide Upconverting Nanoparticles in Alveolar Lung Cancer Cells. ACS Applied Bio Materials, 2019, 2, 4527-4536.	4.6	12
30	CDP-DAG synthase 1 and 2 regulate lipid droplet growth through distinct mechanisms. Journal of Biological Chemistry, 2019, 294, 16740-16755.	3.4	20
31	Mitochondrial lipid droplet formation as a detoxification mechanism to sequester and degrade excessive urothelial membranes. Molecular Biology of the Cell, 2019, 30, 2969-2984.	2.1	18
32	The Effect of Anticoagulants, Temperature, and Time on the Human Plasma Metabolome and Lipidome from Healthy Donors as Determined by Liquid Chromatography-Mass Spectrometry. Biomolecules, 2019, 9, 200.	4.0	33
33	Fat, fight, and beyond: The multiple roles of lipid droplets in infections and inflammation. Journal of Leukocyte Biology, 2019, 106, 563-580.	3.3	68
34	Identification of Lipid Droplet Proteomes by Proximity Labeling Proteomics Using APEX2. Methods in Molecular Biology, 2019, 2008, 57-72.	0.9	10
35	The role of lipins in innate immunity and inflammation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 1328-1337.	2.4	22
36	Membrane Asymmetry Imposes Directionality on Lipid Droplet Emergence from the ER. Developmental Cell, 2019, 50, 25-42.e7.	7.0	114

#	Article	IF	CITATIONS
37	Omega 3-DHA and Delta-Tocotrienol Modulate Lipid Droplet Biogenesis and Lipophagy in Breast Cancer Cells: the Impact in Cancer Aggressiveness. Nutrients, 2019, 11, 1199.	4.1	20
38	The cell biology of the hepatocyte: A membrane trafficking machine. Journal of Cell Biology, 2019, 218, 2096-2112.	5.2	106
39	Lipid Droplet and Peroxisome Biogenesis: Do They Go Hand-in-Hand?. Frontiers in Cell and Developmental Biology, 2019, 7, 92.	3.7	30
40	Lipid droplet biogenesis. Current Opinion in Cell Biology, 2019, 59, 88-96.	5.4	93
41	A34 EFFECT OF AUTOPHAGY INDUCTION VIA TRPML1 ACTIVATION ON HEPATIC STEATOSIS. Journal of the Canadian Association of Gastroenterology, 2019, 2, 68-69.	0.3	2
42	Getting a handle on lipid droplets: Insights into ER–lipid droplet tethering. Journal of Cell Biology, 2019, 218, 1089-1091.	5.2	14
43	Mitochondria Bound to Lipid Droplets: Where Mitochondrial Dynamics Regulate Lipid Storage and Utilization. Cell Metabolism, 2019, 29, 827-835.	16.2	179
44	A GPX4-dependent cancer cell state underlies the clear-cell morphology and confers sensitivity to ferroptosis. Nature Communications, 2019, 10, 1617.	12.8	499
45	The triglyceride synthesis enzymes DGAT1 and DGAT2 have distinct and overlapping functions in adipocytes. Journal of Lipid Research, 2019, 60, 1112-1120.	4.2	106
46	Duo in a Mystical Realm—Nuclear Lipid Droplets and the Inner Nuclear Membrane. Contact (Thousand) Tj ETQq1	1 0.7843 1.3	14 rgBT /0
47	In vitro tissue-engineered adipose constructs for modeling disease. BMC Biomedical Engineering, 2019, 1, .	2.6	22
48	Monocytes and macrophages in atherogenesis. Current Opinion in Lipidology, 2019, 30, 401-408.	2.7	27
49	Lipid Trafficking at Membrane Contact Sites During Plant Development and Stress Response. Frontiers in Plant Science, 2019, 10, 2.	3.6	64
50	Organelle interplay—peroxisome interactions in health and disease. Journal of Inherited Metabolic Disease, 2020, 43, 71-89.	3.6	85
51	Arabidopsis LDIP protein locates at a confined area within the lipid droplet surface and favors lipid droplet formation. Biochimie, 2020, 169, 29-40.	2.6	16
52	Hedgehog signaling promotes lipolysis in adipose tissue through directly regulating Bmm/ATGL lipase. Developmental Biology, 2020, 457, 128-139.	2.0	18
53	Microbial production of vitamin K2: current status and future prospects. Biotechnology Advances, 2020, 39, 107453.	11.7	40
54	Spatial compartmentalization of lipid droplet biogenesis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158499.	2.4	33

#	Article	IF	CITATIONS
55	Dynamic cyclic behaviors of lipid droplets monitored by two-photon fluorescence probe with high photostability. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117766.	3.9	11
56	Synthetic Protein Scaffolding at Biological Membranes. Trends in Biotechnology, 2020, 38, 432-446.	9.3	27
57	The functional universe of membrane contact sites. Nature Reviews Molecular Cell Biology, 2020, 21, 7-24.	37.0	386
58	Lipid Droplets Define a Sub-Population of Breast Cancer Stem Cells. Journal of Clinical Medicine, 2020, 9, 87.	2.4	36
59	Eicosapentaenoic acidâ€enriched phospholipids suppressed lipid accumulation by specific inhibition of lipid dropletâ€associated protein FSP27 in mice. Journal of the Science of Food and Agriculture, 2020, 100, 2244-2251.	3.5	12
60	Lipid droplets can promote drug accumulation and activation. Nature Chemical Biology, 2020, 16, 206-213.	8.0	45
61	Going through a phase. Nature Chemical Biology, 2020, 16, 111-112.	8.0	2
62	Highly selective staining and quantification of intracellular lipid droplets with a compact push–pull fluorophore based on benzothiadiazole. Organic and Biomolecular Chemistry, 2020, 18, 495-499.	2.8	24
63	Staying in Healthy Contact: How Peroxisomes Interact with Other Cell Organelles. Trends in Molecular Medicine, 2020, 26, 201-214.	6.7	28
64	Integrative assessment of low-dose gamma radiation effects on Daphnia magna reproduction: Toxicity pathway assembly and AOP development. Science of the Total Environment, 2020, 705, 135912.	8.0	36
65	Reprogramming of fatty acid metabolism in cancer. British Journal of Cancer, 2020, 122, 4-22.	6.4	810
66	Toward a Spatiotemporal Model of Oxidation in Lipid Dispersions: A Hypothesisâ€Driven Review. European Journal of Lipid Science and Technology, 2020, 122, 1900209.	1.5	43
67	Tumor Microenvironment following Gemcitabine Treatment Favors Differentiation of Immunosuppressive Ly6Chigh Myeloid Cells. Journal of Immunology, 2020, 204, 212-223.	0.8	42
68	Greasing the Wheels of the Cancer Machine: The Role of Lipid Metabolism in Cancer. Cell Metabolism, 2020, 31, 62-76.	16.2	493
69	CIDE family proteins control lipid homeostasis and the development of metabolic diseases. Traffic, 2020, 21, 94-105.	2.7	51
70	A twist of FATe: Lipid droplets and inflammatory lipid mediators. Biochimie, 2020, 169, 69-87.	2.6	90
71	Playing Jekyll and Hyde—The Dual Role of Lipids in Fatty Liver Disease. Cells, 2020, 9, 2244.	4.1	4
72	A multi-photon fluorescent probe based on quinoline groups for the highly selective and sensitive detection of lipid droplets. Analyst, The, 2020, 145, 7941-7945.	3.5	10

#	Article	IF	CITATIONS
73	Protein Quality Control and Lipid Droplet Metabolism. Annual Review of Cell and Developmental Biology, 2020, 36, 115-139.	9.4	55
74	Lipid Droplets in Cancer. Reviews of Physiology, Biochemistry and Pharmacology, 2020, , 53-86.	1.6	58
75	Immunometabolism in the Brain: How Metabolism Shapes Microglial Function. Trends in Neurosciences, 2020, 43, 854-869.	8.6	110
76	Emerging Microglia Biology Defines Novel Therapeutic Approaches for Alzheimer's Disease. Neuron, 2020, 108, 801-821.	8.1	132
77	Degradation of Lipid Droplets in Plants and Algae—Right Time, Many Paths, One Goal. Frontiers in Plant Science, 2020, 11, 579019.	3.6	36
78	Lipid Droplets Maintain Energy Homeostasis and Glioblastoma Growth via Autophagic Release of Stored Fatty Acids. IScience, 2020, 23, 101569.	4.1	62
79	Protein Arginine Methyltransferase PRMT5 Regulates Fatty Acid Metabolism and Lipid Droplet Biogenesis in White Adipose Tissues. Advanced Science, 2020, 7, 2002602.	11.2	22
80	Married at Birth: Regulation of Cellular Fat Metabolism by ER–Lipid Droplet Crosstalk. Contact (Thousand Oaks (Ventura County, Calif)), 2020, 3, 251525642093467.	1.3	3
81	Seipin-Mediated Contacts as Gatekeepers of Lipid Flux at the Endoplasmic Reticulum–Lipid Droplet NexusÂ. Contact (Thousand Oaks (Ventura County, Calif)), 2020, 3, 251525642094582.	1.3	13
82	Adipose Morphology: a Critical Factor in Regulation of Human Metabolic Diseases and Adipose Tissue Dysfunction. Obesity Surgery, 2020, 30, 5086-5100.	2.1	50
83	Membrane dynamics and protein targets of lipid droplet microautophagy during ER stress-induced proteostasis in the budding yeast, <i>Saccharomyces cerevisiae</i> . Autophagy, 2021, 17, 2363-2383.	9.1	27
84	Light-triggered switching of liposome surface charge directs delivery of membrane impermeable payloads in vivo. Nature Communications, 2020, 11, 3638.	12.8	62
85	Screening of Drug-Induced Steatosis and Phospholipidosis Using Lipid Droplet-Selective Two-Photon Probes. Analytical Chemistry, 2020, 92, 11223-11231.	6.5	40
86	The cell biology of lipid droplets: More than just a phase. Seminars in Cell and Developmental Biology, 2020, 108, 1-3.	5.0	6
87	Trafficking of cholesterol from lipid droplets to mitochondria in bovine luteal cells: Acute control of progesterone synthesis. FASEB Journal, 2020, 34, 10731-10750.	0.5	10
88	Odorant binding proteins promote flight activity in the migratory insect, <i>Helicoverpa armigera</i> . Molecular Ecology, 2020, 29, 3795-3808.	3.9	22
89	High-dimensional super-resolution imaging reveals heterogeneity and dynamics of subcellular lipid membranes. Nature Communications, 2020, 11, 5890.	12.8	56
90	Lipid Regulatory Proteins as Potential Therapeutic Targets for Ovarian Cancer in Obese Women. Cancers, 2020, 12, 3469.	3.7	21

#	Article	IF	CITATIONS
91	The dynamic behavior of lipid droplets in the pre-metastatic niche. Cell Death and Disease, 2020, 11, 990.	6.3	9
92	Regulation of intracellular lipid storage and utilization. , 2020, , 131-156.		1
93	Membrane and lipid metabolism plays an important role in desiccation resistance in the yeast Saccharomyces cerevisiae. BMC Microbiology, 2020, 20, 338.	3.3	8
94	Modulation of Host Lipid Pathways by Pathogenic Intracellular Bacteria. Pathogens, 2020, 9, 614.	2.8	15
95	Regulation Mechanism of Bubbling Deformation and Fracture Toughness of the Membrane by Asymmetric Phospholipids: A Model System Study. Langmuir, 2020, 36, 10138-10146.	3.5	0
96	Apolipoprotein L1-Specific Antibodies Detect Endogenous APOL1 inside the Endoplasmic Reticulum and on the Plasma Membrane of Podocytes. Journal of the American Society of Nephrology: JASN, 2020, 31, 2044-2064.	6.1	33
97	Triacylglycerols sequester monotopic membrane proteins to lipid droplets. Nature Communications, 2020, 11, 3944.	12.8	46
98	Maintaining social contacts: The physiological relevance of organelle interactions. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118800.	4.1	52
99	Bothrops erythromelas venom and its action on isolated murine macrophages. Toxicon, 2020, 185, 156-163.	1.6	5
100	Lipid Droplets in Neurodegenerative Disorders. Frontiers in Neuroscience, 2020, 14, 742.	2.8	131
101	MBOAT7 down-regulation by genetic and environmental factors predisposes to MAFLD. EBioMedicine, 2020, 57, 102866.	6.1	38
102	Determinants of Endoplasmic Reticulum-to-Lipid Droplet Protein Targeting. Developmental Cell, 2020, 54, 471-487.e7.	7.0	42
103	Lipid Metabolism in Macrophages: Focus on Atherosclerosis. Biomedicines, 2020, 8, 262.	3.2	57
104	Partitioning of MLX-Family Transcription Factors to Lipid Droplets Regulates Metabolic Gene Expression. Molecular Cell, 2020, 77, 1251-1264.e9.	9.7	78
105	The ins-and-outs of podocyte lipid metabolism. Kidney International, 2020, 98, 1087-1090.	5.2	15
106	Two-tier supramolecular encapsulation of small molecules in a protein cage. Nature Communications, 2020, 11, 5410.	12.8	42
107	Metabolic and functional connections between cytoplasmic and chloroplast triacylglycerol storage. Progress in Lipid Research, 2020, 80, 101069.	11.6	32
108	ORP5 localizes to ER–lipid droplet contacts and regulates the level of PI(4)P on lipid droplets. Journal of Cell Biology, 2020, 219,	5.2	75

#	Article	IF	CITATIONS
109	Neutral lipids regulate amphipathic helix affinity for model lipid droplets. Journal of Cell Biology, 2020, 219, .	5.2	57
110	Lipophagy and Lipolysis Status in Lipid Storage and Lipid Metabolism Diseases. International Journal of Molecular Sciences, 2020, 21, 6113.	4.1	37
111	Deciphering the Dynamics of Organic Nanoaggregates with AIEE Effect and Excited States: Lipophilic Benzothiadiazole Derivatives as Selective Cell Imaging Probes. Journal of Organic Chemistry, 2020, 85, 12614-12634.	3.2	31
112	Raman-guided subcellular pharmaco-metabolomics for metastatic melanoma cells. Nature Communications, 2020, 11, 4830.	12.8	88
113	Lipid Players of Cellular Senescence. Metabolites, 2020, 10, 339.	2.9	28
114	Adenovirus Reveals New Pathway for Cholesterol Egress from the Endolysosomal System. International Journal of Molecular Sciences, 2020, 21, 5808.	4.1	4
115	The phosphatidylethanolamine-binding protein DTH1 mediates degradation of lipid droplets in <i>Chlamydomonas reinhardtii</i> . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23131-23139.	7.1	14
116	Metabolism of Storage Lipids and the Role of Lipid Droplets in the Yeast Schizosaccharomyces pombe. Lipids, 2020, 55, 513-535.	1.7	8
117	Observation of the changes in the chemical composition of lipid droplets using Raman microscopy. Physical Chemistry Chemical Physics, 2020, 22, 21646-21650.	2.8	9
118	A Molecular Logic Gate Enables Single-Molecule Imaging and Tracking of Lipids in Intracellular Domains. ACS Chemical Biology, 2020, 15, 2597-2604.	3.4	11
119	An overview of deregulated lipid metabolism in nonalcoholic fatty liver disease with special focus on lysosomal acid lipase. American Journal of Physiology - Renal Physiology, 2020, 319, G469-G480.	3.4	26
120	KRAS Controls Pancreatic Cancer Cell Lipid Metabolism and Invasive Potential through the Lipase HSL. Cancer Research, 2020, 80, 4932-4945.	0.9	72
121	Acclimation temperature affects thermal reaction norms for energy reserves in Drosophila. Scientific Reports, 2020, 10, 21681.	3.3	5
122	Snx14 proximity labeling reveals a role in saturated fatty acid metabolism and ER homeostasis defective in SCAR20 disease. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 33282-33294.	7.1	17
123	Direct lysosome-based autophagy of lipid droplets in hepatocytes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32443-32452.	7.1	141
124	SEIPIN: A Key Factor for Nuclear Lipid Droplet Generation and Lipid Homeostasis. International Journal of Molecular Sciences, 2020, 21, 8208.	4.1	17
125	Morphological Evolution of Strongly Fluorescent Water Soluble AIEEgen-Triblock Copolymer Mixed Aggregates with Shape-Dependent Cell Permeability. Journal of Physical Chemistry B, 2020, 124, 10282-10291.	2.6	10
126	Nanotherapeutic Modulation of Human Neural Cells and Glioblastoma in Organoids and Monocultures. Cells, 2020, 9, 2434.	4.1	10

ARTICLE IF CITATIONS Hijacking of Lipid Droplets by Hepatitis C, Dengue and Zika Virusesâ€"From Viral Protein Moonlighting 127 4.1 48 to Extracellular Release. International Journal of Molecular Sciences, 2020, 21, 7901. Friend or Foe: Lipid Droplets as Organelles for Protein and Lipid Storage in Cellular Stress Response, 3.8 39 Aging and Disease. Molecules, 2020, 25, 5053. Pemafibrate, a selective PPARI± modulator, prevents non-alcoholic steatohepatitis development without 129 3.3 60 reducing the hepatic triglyceride content. Scientific Reports, 2020, 10, 7818. New friends for seipin $\hat{a} \in$ "Implications of seipin partner proteins in the life cycle of lipid droplets. Seminars in Cell and Developmental Biology, 2020, 108, 24-32. Dietary lipids accumulate in macrophages and stromal cells and change the microarchitecture of 131 9.5 8 mesenteric lymph nodes. Journal of Advanced Research, 2020, 24, 291-300. Membrane Curvature Catalyzes Lipid Droplet Assembly. Current Biology, 2020, 30, 2481-2494.e6. The more the merrier: effects of macromolecular crowding on the structure and dynamics of 133 4.7 48 biological membranes. FEBS Journal, 2020, 287, 5039-5067. Manipulation of selective macroautophagy by pathogens at a glance. Journal of Cell Science, 2020, 133, 2.0 Metabolic reprogramming by Zika virus provokes inflammation in human placenta. Nature 135 12.8 68 Communications, 2020, 11, 2967. Fusionâ€Induced Structural and Functional Evolution in Binary Emulsion Communities. Angewandte Chemie, 2020, 132, 17101-17108. Fusionâ€Induced Structural and Functional Evolution in Binary Emulsion Communities. Angewandte 137 13.8 23 Chemie - International Edition, 2020, 59, 16953-16960. Endoplasmic Reticulum Membrane and Contact Site Dynamics in Autophagy Regulation and Stress 138 24 Response. Frontiers in Cell and Developmental Biology, 2020, 8, 343. Dysregulation of Lipid Metabolism in Macrophages Is Responsible for Severe Endotoxin Tolerance in 139 4.8 31 FcgRIIB-Deficient Lupus Mice. Frontiers in Immunology, 2020, 11, 959. Lipids in the Physiopathology of Hereditary Spastic Paraplegias. Frontiers in Neuroscience, 2020, 14, 74. 140 2.8 Targeting ferroptosis alleviates methionineâ€choline deficient (MCD)â€diet induced NASH by suppressing 141 3.9 135 liver lipotoxicity. Liver International, 2020, 40, 1378-1394. The Role of Hypoxia-Inducible Factor $1\hat{l}_{\pm}$ in the Regulation of Human Meibomian Gland Epithelial Cells., 142 2020, 61, 1. Lipid droplets in plants and algae: Distribution, formation, turnover and function. Seminars in Cell 143 5.063 and Developmental Biology, 2020, 108, 82-93. Modulation of aryl hydrocarbon receptor (AHR) and the NAD+-consuming enzyme CD38: Searches of

therapeutic options for nonalcoholic fatty liver disease (NAFLD). Biochemical Pharmacology, 2020,

CITATION REPORT

4.4

175, 113905.

ARTICLE IF CITATIONS # Multifarious roles of lipid droplets in autophagy â€" Target, product, and what else?. Seminars in Cell 145 5.0 21 and Developmental Biology, 2020, 108, 47-54. Mutations in the Vâ€ATPase Assembly Factor VMA21 Cause a Congenital Disorder of Glycosylation With 146 Autophagic Liver Disease. Hepatologý, 2020, 72, 1968-1986. 147 Pharmacological targets of metabolism in disease: Opportunities from macrophages., 2020, 210, 107521. 45 Lipid droplets, bioenergetic fluxes, and metabolic flexibility. Seminars in Cell and Developmental 148 Biology, 2020, 108, 33-46. Lipid droplet biogenesis: A mystery "unmixing�. Seminars in Cell and Developmental Biology, 2020, 108, 149 5.0 47 14-23. Mechanisms of protein targeting to lipid droplets: A unified cell biological and biophysical 5.0 44 perspective. Seminars in Cell and Developmental Biology, 2020, 108, 4-13. Crotalus neutralising factor and its role in human leukocyte modulation. Immunobiology, 2020, 225, 151 1.9 2 151932. Stepwise Biogenesis of Subpopulations of Lipid Droplets in Nitrogen Starved Phaeodactylum 3.6 16 tricornutum Čells. Frontiers in Plant Science, 2020, 11, 48. Visualization of Lipid Droplets in Living Cells and Fatty Livers of Mice Based on the Fluorescence of 153 I€-Extended Coumarin Using Fluorescence Lifetime Imaging Microscopy. Analytical Chemistry, 2020, 92, 6.5 63 4996-5003. Organelle Biogenesis: ER Shape Influences Lipid Droplet Nucleation. Current Biology, 2020, 30, 154 R770-R773. Faster and More Specific: Excited-State Intramolecular Proton Transfer-Based Dyes for High-Fidelity 155 6.5 40 Dynamic Imaging of Lipid Droplets within Cells and Tissues. Analytical Chemistry, 2020, 92, 10342-10349. Density Field Thermodynamic Integration (DFTI): A "Soft―Approach to Calculate the Free Energy of Surfactant Self-Assemblies. Journal of Physical Chemistry B, 2020, 124, 6775-6785. Identification and analysis of lipid droplet-related proteome in the adipose tissue of grass carp (Ctenopharyngodon idella) under fed and starved conditions. Comparative Biochemistry and 157 1.0 4 Physiology Part D: Genomics and Proteomics, 2020, 36, 100710. Towards model-driven characterization and manipulation of plant lipid metabolism. Progress in Lipid 11.6 28 Research, 2020, 80, 101051. Light-Up Lipid Droplets Dynamic Behaviors Using a Red-Emitting Fluorogenic Probe. Analytical 159 104 6.5 Chemistry, 2020, 92, 3613-3619. Rosmarinic acid alleviates ethanol-induced lipid accumulation by repressing fatty acid biosynthesis. Food and Function, 2020, 11, 2094-2106. Pathogens MenTORing Macrophages and Dendritic Cells: Manipulation of mTOR and Cellular 161 4.1 25 Metabolism to Promote Immune Escape. Cells, 2020, 9, 161. Hybridization of Triphenylamine and Salicylaldehyde: A Facile Strategy to Construct Aggregationâ€Induced Émission Luminogens with Excitedâ€State Intramolecular Proton Transfer for 54 Specific Lipid Droplets and Gramâ€Positive Bacteria Imaging. Advanced Optical Materials, 2020, 8, 1902027.

		CITATION REPORT		
#	Article		IF	CITATIONS
163	Lipid droplets throughout the evolutionary tree. Progress in Lipid Research, 2020, 78, 10102	29.	11.6	55
164	Lipid Droplet Contacts With Autophagosomes, Lysosomes, and Other Degradative Vesicles. (Thousand Oaks (Ventura County, Calif)), 2020, 3, 251525642091089.	Contact	1.3	16
165	Squalene monooxygenase: a journey to the heart of cholesterol synthesis. Progress in Lipid I 2020, 79, 101033.	Research,	11.6	47
166	Fatty acid induced lipolysis influences embryo development, gene expression and lipid dropl formation in the porcine cumulus cellsâ€. Biology of Reproduction, 2020, 103, 36-48.	et	2.7	22
167	Duality of iron (III) doped nano hydroxyapatite in triple negative breast cancer monitoring ar drug-free therapeutic agent. Ceramics International, 2020, 46, 16590-16597.	ıd as a	4.8	24
168	New Microglia on the Block. Cell Metabolism, 2020, 31, 664-666.		16.2	6
169	Nanoemulsions to support exÂvivo cell culture of breast cancer circulating tumor cells. Mate Today Chemistry, 2020, 16, 100265.	erials	3.5	4
170	Roles of VMP1 in Autophagy and ER–Membrane Contact: Potential Implications in Neuroc Disorders. Frontiers in Molecular Neuroscience, 2020, 13, 42.	legenerative	2.9	25
171	Orotic acid-treated hepatocellular carcinoma cells resist steatosis by modification of fatty ac metabolism. Lipids in Health and Disease, 2020, 19, 70.	id	3.0	4
172	Lipotoxicity and Diabetic Nephropathy: Novel Mechanistic Insights and Therapeutic Opportu International Journal of Molecular Sciences, 2020, 21, 2632.	inities.	4.1	159
173	Pickering particles as interfacial reservoirs of antioxidants. Journal of Colloid and Interface So 2020, 575, 489-498.	cience,	9.4	33
174	Current and Emerging Approaches for Studying Inter-Organelle Membrane Contact Sites. Fr Cell and Developmental Biology, 2020, 8, 195.	ontiers in	3.7	35
175	Novel role of dynaminâ€relatedâ€protein 1 in dynamics of ERâ€lipid droplets in adipose tiss 2020, 34, 8265-8282.	ue. FASEB Journal,	0.5	20
176	Perilipin LDP1 coordinates lipid droplets formation and utilization for appressoriumâ€media infection in Magnaporthe oryzae. Environmental Microbiology, 2020, 22, 2843-2857.	ted	3.8	5
177	Spastin mutations impair coordination between lipid droplet dispersion and reticulum. PLoS 2020, 16, e1008665.	Genetics,	3.5	21
178	Tethering Fat: Tethers in Lipid Droplet Contact Sites. Contact (Thousand Oaks (Ventura Cou	ınty, Calif) Tj ETQq1 1	0.784314 1.3	4 rgβT /Overl
179	The Molecular Era of Lipid Droplets. Contact (Thousand Oaks (Ventura County, Calif)), 2020 251525642091209.	0, 3,	1.3	7
180	Are endoplasmic reticulum subdomains shaped by asymmetric distribution of phospholipids from aC. elegansmodel system. BioEssays, 2021, 43, 2000199.	? Evidence	2.5	3

#	Article	IF	CITATIONS
181	Microglia and lipids: how metabolism controls brain innate immunity. Seminars in Cell and Developmental Biology, 2021, 112, 137-144.	5.0	75
182	Phase-selective staining of model and cell membranes, lipid droplets and lipoproteins with fluorescent solvatochromic pyrene probes. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183470.	2.6	10
183	Leading the way in the nervous system: Lipid Droplets as new players in health and disease. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158820.	2.4	25
184	Fluorescent probes for the imaging of lipid droplets in live cells. Coordination Chemistry Reviews, 2021, 427, 213577.	18.8	123
185	A benzothiadiazole-quinoline hybrid sensor for specific bioimaging and surgery procedures in mice. Sensors and Actuators B: Chemical, 2021, 328, 128998.	7.8	14
186	Fat and Furious: Lipid Metabolism in Antitumoral Therapy Response and Resistance. Trends in Cancer, 2021, 7, 198-213.	7.4	79
187	Fused Thiophene- <i>S</i> , <i>S</i> -dioxide-Based Super-Photostable Fluorescent Marker for Lipid Droplets. , 2021, 3, 42-49.		25
188	Lipid Droplet Nucleation. Trends in Cell Biology, 2021, 31, 108-118.	7.9	88
189	CG32803 is the fly homolog of LDAF1 and influences lipid storage in vivo. Insect Biochemistry and Molecular Biology, 2021, 133, 103512.	2.7	6
190	Hypoxic Induction of Exosome Uptake through Proteoglycan-Dependent Endocytosis Fuels the Lipid Droplet Phenotype in Glioma. Molecular Cancer Research, 2021, 19, 528-540.	3.4	20
191	Plasma membrane staining with fluorescent hybrid benzothiadiazole and coumarin derivatives: Tuning the cellular selection by molecular design. Dyes and Pigments, 2021, 186, 109005.	3.7	12
192	An overview of the innate and adaptive immune system in atherosclerosis. IUBMB Life, 2021, 73, 64-91.	3.4	10
193	A near-infrared AIE probe for super-resolution imaging and nuclear lipid droplet dynamic study. Materials Chemistry Frontiers, 2021, 5, 3043-3049.	5.9	37
194	Whole-genome sequencing reveals sex determination and liver high-fat storage mechanisms of yellowstripe goby (Mugilogobius chulae). Communications Biology, 2021, 4, 15.	4.4	11
195	Lipids Biogenesis of Lipid Droplets. , 2021, , 719-731.		0
196	Neutral lipids as early biomarkers of cellular fate: the case of α-synuclein overexpression. Cell Death and Disease, 2021, 12, 52.	6.3	9
198	PPARα-Selective Antagonist GW6471 Inhibits Cell Growth in Breast Cancer Stem Cells Inducing Energy Imbalance and Metabolic Stress. Biomedicines, 2021, 9, 127.	3.2	19
199	Bringing naturally-occurring saturated fatty acids into biomedical research. Journal of Materials Chemistry B, 2021, 9, 6973-6987.	5.8	13

# 200	ARTICLE Monoethanolamine-induced glucose deprivation promotes apoptosis through metabolic rewiring in prostate cancer. Theranostics, 2021, 11, 9089-9106.	IF 10.0	CITATIONS 8
201	Bright near-infrared α-tetraphenyletheneBODIPY nanoprobes with high aggregated state emission quantum yields in aqueous system for lipid droplet-specific imaging. Materials Chemistry Frontiers, 2021, 5, 3664-3672.	5.9	14
202	Size and ligand effects of gold nanoclusters in alteration of organellar state and translocation of transcription factors in human primary astrocytes. Nanoscale, 2021, 13, 3173-3183.	5.6	11
203	Lipid Droplets as Regulators of Metabolism and Immunity. Immunometabolism, 2021, , .	1.6	10
204	Turn-on fluorescent probe for lipid droplet specific imaging of fatty liver and atherosclerosis. Journal of Materials Chemistry B, 2021, 9, 4050-4055.	5.8	28
205	Lipid droplets and lipid mediators in viral infection and immunity. FEMS Microbiology Reviews, 2021, 45, .	8.6	52
206	Glutaminolysis is a metabolic route essential for survival and growth of prostate cancer cells and a target of 51±-dihydrotestosterone regulation. Cellular Oncology (Dordrecht), 2021, 44, 385-403.	4.4	10
207	Liquid-Crystalline Lipid Phase Transitions in Lipid Droplets Selectively Remodel the Ld Proteome. SSRN Electronic Journal, 0, , .	0.4	1
208	ApoE4 Impairs Neuron-Astrocyte Coupling of Fatty Acid Metabolism. Cell Reports, 2021, 34, 108572.	6.4	137
209	Energy and Dynamics of Caveolae Trafficking. Frontiers in Cell and Developmental Biology, 2020, 8, 614472.	3.7	40
210	The diversity and breadth of cancer cell fatty acid metabolism. Cancer & Metabolism, 2021, 9, 2.	5.0	107
211	Lipid droplet membrane proteome remodeling parallels ethanol-induced hepatic steatosis and its resolution. Journal of Lipid Research, 2021, 62, 100049.	4.2	8
212	Metabolic reprogramming of cancer-associated fibroblasts and its effect on cancer cell reprogramming. Theranostics, 2021, 11, 8322-8336.	10.0	100
213	Recent Advances in Organelle-Targeted Fluorescent Probes. Molecules, 2021, 26, 217.	3.8	43
214	Strategies for organelle targeting of fluorescent probes. Organic and Biomolecular Chemistry, 2021, 19, 9339-9357.	2.8	32
215	Lipid droplets and autophagy—links and regulations from yeast to humans. Journal of Cellular Biochemistry, 2021, 122, 602-611.	2.6	22
216	Deciphering the evolution of supramolecular nanofibers in solution and solid-state: a combined microscopic and spectroscopic approach. Chemical Science, 2021, 12, 5874-5882.	7.4	25
217	<i>Drosophila</i> Sex Peptide controls the assembly of lipid microcarriers in seminal fluid. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16

ARTICLE IF CITATIONS # An ESCRT-dependent step in fatty acid transfer from lipid droplets to mitochondria through 218 12.8 62 VPS13Da[^]TSG101 interactions. Nature Communications, 2021, 12, 1252. Astrocytes in stress accumulate lipid droplets. Glia, 2021, 69, 1540-1562. Identification of novel lipid droplet factors that regulate lipophagy and cholesterol efflux in 220 9.1 90 macrophage foam cells. Autophagy, 2021, 17, 3671-3689. Therapeutic Targeting of DGKA-Mediated Macropinocytosis Leads to Phospholipid Reprogramming in 0.9 Tuberous Sclerosis Complex. Cancer Research, 2021, 81, 2086-2100. Fat inclusions strongly alter membrane mechanics. Biophysical Journal, 2021, 120, 607-617. 223 0.5 22 New perspective toward nutritional support for malnourished cancer patients: Role of lipids. 11.7 Comprehensive Reviews in Food Science and Food Safety, 2021, 20, 1381-1421. Analysis of Neutral Lipid Synthesis in Saccharomyces cerevisiae by Metabolic Labeling and 225 0.3 2 Thin Layer Chromatography. Journal of Visualized Experiments, 2021, , . Loss of NPC1 enhances phagocytic uptake and impairs lipid trafficking in microglia. Nature 12.8 58 Communications, 2021, 12, 1158. Pre-existing bilayer stresses modulate triglyceride accumulation in the ER versus lipid droplets. ELife, 227 6.0 55 2021, 10, . In Vivo Threeâ€Photon Imaging of Lipids using Ultrabright Fluorogens with Aggregationâ€Induced 21.0 58 Emission. Advanced Materials, 2021, 33, e2007490. Perfluoroundecanoic acid inhibits Leydig cell development in pubertal male rats via inducing 229 9 2.8 oxidative stress and autophagy. Toxicology and Applied Pharmacology, 2021, 415, 115440. Aryl hydrocarbon receptor promotes lipid droplet biogenesis and metabolic shift in respiratory Club cells. Human Cell, 2021, 34, 785-799. Morphological and molecular characterization of GALNT2-mediated adipogenesis. International 231 3.4 3 Journal of Obesity, 2021, 45, 1362-1366. Picornaviruses: A View from 3A. Viruses, 2021, 13, 456. 3.3 Revealing lipid droplets evolution at nanoscale under proteohormone stimulation by a BODIPY-233 10.1 16 hexylcarbazole derivative. Biosensors and Bioelectronics, 2021, 175, 112871. CL316243 treatment mitigates the inflammation in white adipose tissues of juvenile adipocyte-specific 234 Nfe2l1 knockout mice. Free Radical Biology and Medicine, 2021, 165, 289-298. A Distinct Cytokine Profile and Stromal Vascular Fraction Metabolic Status without Significant 235 Changes in the Lipid Composition Characterizes Lipedema. International Journal of Molecular 4.1 18 Sciences, 2021, 22, 3313. Role of Aberrant Lipid Metabolism of Cancer Stem Cells in Cancer Progression. Current Cancer Drug 1.6 Targets, 2021, 21, 631-639.

#	Article	IF	CITATIONS
237	Tumor tissues diagnosis with PIEE lipid droplet vesicles. Sensors and Actuators B: Chemical, 2021, 330, 129269.	7.8	3
238	Insights into the lipidome and primary metabolome of the uterus from day 14 cyclic and pregnant sheep. Biology of Reproduction, 2021, 105, 87-99.	2.7	5
241	Seipin accumulates and traps diacylglycerols and triglycerides in its ring-like structure. Proceedings of the United States of America, 2021, 118, .	7.1	52
242	<i>APOE4</i> disrupts intracellular lipid homeostasis in human iPSC-derived glia. Science Translational Medicine, 2021, 13, .	12.4	141
245	Small Molecule Screen Reveals Joint Regulation of Stress Granule Formation and Lipid Droplet Biogenesis. Frontiers in Cell and Developmental Biology, 2020, 8, 606111.	3.7	7
246	A Unique Junctional Interface at Contact Sites Between the Endoplasmic Reticulum and Lipid Droplets. Frontiers in Cell and Developmental Biology, 2021, 9, 650186.	3.7	23
247	The Unity of Redox and Structural Remodeling of Brown Adipose Tissue in Hypothyroidism. Antioxidants, 2021, 10, 591.	5.1	2
248	Tracking lipid droplet dynamics for the discrimination of cancer cells by a solvatochromic fluorescent probe. Sensors and Actuators B: Chemical, 2021, 333, 129541.	7.8	27
249	Multifunctional aggregation-induced emission nanoparticle for high-fidelity imaging of lipid droplets in living cells and its application in photodynamic therapy. Chemical Engineering Journal, 2021, 410, 128186.	12.7	22
250	A family of lipotropic AIEgens for high-fidelity dynamic tracking of lipid droplets in living cells. Dyes and Pigments, 2021, 188, 109167.	3.7	7
251	Stimulated Emission Depletion (STED) Super-Resolution Imaging with an Advanced Organic Fluorescent Probe: Visualizing the Cellular Lipid Droplets at the Unprecedented Nanoscale Resolution. , 2021, 3, 516-524.		22
252	Lipid composition dictates the rate of lipid peroxidation in artificial lipid droplets. Free Radical Research, 2021, 55, 469-480.	3.3	11
253	Celia's Encephalopathy (BSCL2-Gene-Related): Current Understanding. Journal of Clinical Medicine, 2021, 10, 1435.	2.4	5
255	TMEM41B and VMP1 are scramblases and regulate the distribution of cholesterol and phosphatidylserine. Journal of Cell Biology, 2021, 220, .	5.2	100
257	Detecting lipid droplets polarity: Silicone-based unique fluorescent probe for cancer diagnosis in living cells. Talanta, 2021, 225, 122059.	5.5	27
259	Exceptional stability of a perilipin on lipid droplets depends on its polar residues, suggesting multimeric assembly. ELife, 2021, 10, .	6.0	21
260	Isolated Plin5-deficient cardiomyocytes store less lipid droplets than normal, but without increased sensitivity to hypoxia. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158873.	2.4	2
261	Lipid droplets and their interactions with other organelles in liver diseases. International Journal of Biochemistry and Cell Biology, 2021, 133, 105937.	2.8	8

#	Article	IF	CITATIONS
262	Morphological Heterogeneity of the Endoplasmic Reticulum within Neurons and Its Implications in Neurodegeneration. Cells, 2021, 10, 970.	4.1	11
263	The ménage à trois of autophagy, lipid droplets and liver disease. Autophagy, 2022, 18, 50-72.	9.1	113
264	Brain lipidomics as a rising field in neurodegenerative contexts: Perspectives with Machine Learning approaches. Frontiers in Neuroendocrinology, 2021, 61, 100899.	5.2	33
265	Arabidopsis thaliana EARLY RESPONSIVE TO DEHYDRATION 7 Localizes to Lipid Droplets via Its Senescence Domain. Frontiers in Plant Science, 2021, 12, 658961.	3.6	16
266	A narrative review of urinary phospholipids: from biochemical aspect towards clinical application. Translational Andrology and Urology, 2021, 10, 1829-1849.	1.4	4
267	In vitro cytotoxicity study of superparamagnetic iron oxide and silica nanoparticles on pneumocyte organelles. Toxicology in Vitro, 2021, 72, 105071.	2.4	6
268	Rediscovering Potential Molecular Targets for Glioma Therapy Through the Analysis of the Cell of Origin, Microenvironment and Metabolism. Current Cancer Drug Targets, 2021, 21, 558-574.	1.6	7
269	Medium-Chain Acyl-CoA Dehydrogenase Protects Mitochondria from Lipid Peroxidation in Glioblastoma. Cancer Discovery, 2021, 11, 2904-2923.	9.4	23
270	Adipose triglyceride lipase protects renal cell endocytosis in a Drosophila dietary model of chronic kidney disease. PLoS Biology, 2021, 19, e3001230.	5.6	26
271	Stressed Lipid Droplets: How Neutral Lipids Relieve Surface Tension and Membrane Expansion Drives Protein Association. Journal of Physical Chemistry B, 2021, 125, 5572-5586.	2.6	18
272	Adipocyteâ€Đerived Anticancer Lipid Droplets. Advanced Materials, 2021, 33, e2100629.	21.0	32
273	Regression plane concept for analysing continuous cellular processes with machine learning. Nature Communications, 2021, 12, 2532.	12.8	8
274	The surface of lipid droplets constitutes a barrier for endoplasmic reticulum-resident integral membrane proteins. Journal of Cell Science, 2022, 135, .	2.0	13
276	Molecular Events Occurring in Lipophagy and Its Regulation in Flaviviridae Infection. Frontiers in Microbiology, 2021, 12, 651952.	3.5	4
277	Excitation spectral microscopy for highly multiplexed fluorescence imaging and quantitative biosensing. Light: Science and Applications, 2021, 10, 97.	16.6	35
278	Hereditary Spastic Paraplegia and Future Therapeutic Directions: Beneficial Effects of Small Compounds Acting on Cellular Stress. Frontiers in Neuroscience, 2021, 15, 660714.	2.8	13
279	Perilipin 2 downregulation in \hat{l}^2 cells impairs insulin secretion under nutritional stress and damages mitochondria. JCI Insight, 2021, 6, .	5.0	10
280	A Polarityâ€5ensitive Ratiometric Fluorescence Probe for Monitoring Changes in Lipid Droplets and Nucleus during Ferroptosis. Angewandte Chemie, 2021, 133, 15222-15227.	2.0	11

#	Article	IF	CITATIONS
281	Understanding the Role of Perilipin 5 in Non-Alcoholic Fatty Liver Disease and Its Role in Hepatocellular Carcinoma: A Review of Novel Insights. International Journal of Molecular Sciences, 2021, 22, 5284.	4.1	15
282	Back to the Basics: Two Approaches for the Identification and Extraction of Lipid Droplets from Malassezia pachydermatis CBS1879 and Malassezia globosa CBS7966. Current Protocols, 2021, 1, e122.	2.9	1
283	A Polarityâ€Sensitive Ratiometric Fluorescence Probe for Monitoring Changes in Lipid Droplets and Nucleus during Ferroptosis. Angewandte Chemie - International Edition, 2021, 60, 15095-15100.	13.8	182
284	Lipid Droplets in the Pathogenesis of Hereditary Spastic Paraplegia. Frontiers in Molecular Biosciences, 2021, 8, 673977.	3.5	13
285	Mitochondrial Targeting Involving Cholesterol-Rich Lipid Rafts in the Mechanism of Action of the Antitumor Ether Lipid and Alkylphospholipid Analog Edelfosine. Pharmaceutics, 2021, 13, 763.	4.5	13
286	Lipidomics profiling of goose granulosa cell model of stearoyl-CoA desaturase function identifies a pattern of lipid droplets associated with follicle development. Cell and Bioscience, 2021, 11, 95.	4.8	9
287	In vitro and ex vivo models of adipocytes. American Journal of Physiology - Cell Physiology, 2021, 320, C822-C841.	4.6	65
288	Dissecting lipid droplet biology with coherent Raman scattering microscopy. Journal of Cell Science, 2022, 135, .	2.0	16
289	Lipid Droplet Contact Sites in Health and Disease. Trends in Cell Biology, 2021, 31, 345-358.	7.9	88
290	Hepatic lipid signatures of little brown bats (Myotis lucifugus) and big brown bats (Eptesicus fuscus) at early stages of white-nose syndrome. Scientific Reports, 2021, 11, 11581.	3.3	2
291	Lipid droplets in the nervous system. Journal of Cell Biology, 2021, 220, .	5.2	82
293	Fat and Happy: Profiling Mosquito Fat Body Lipid Storage and Composition Post-blood Meal. Frontiers in Insect Science, 2021, 1, .	2.1	9
294	Perfluorotridecanoic Acid Inhibits Leydig Cell Maturation in Male Rats in Late Puberty via Changing Testicular Lipid Component. Chemical Research in Toxicology, 2021, 34, 1542-1555.	3.3	4
295	Lipidomics and transcriptomics analyses of altered lipid species and pathways in oxaliplatin-treated colorectal cancer cells. Journal of Pharmaceutical and Biomedical Analysis, 2021, 200, 114077.	2.8	10
296	The characteristics of host lipid body biogenesis during coral-dinoflagellate endosymbiosis. PeerJ, 2021, 9, e11652.	2.0	1
298	Mitochondrial dynamics and degradation in the oleaginous yeast <i>Lipomyces starkeyi</i> . Genes To Cells, 2021, 26, 627-635.	1.2	3
299	Quercetin as a protective agent for liver diseases: A comprehensive descriptive review of the molecular mechanism. Phytotherapy Research, 2021, 35, 4727-4747.	5.8	48
300	Physical Characterization of Triolein and Implications for Its Role in Lipid Droplet Biogenesis. Journal of Physical Chemistry B, 2021, 125, 6874-6888.	2.6	13

#	Article	IF	CITATIONS
301	Optimized protocol for the identification of lipid droplet proteomes using proximity labeling proteomics in cultured human cells. STAR Protocols, 2021, 2, 100579.	1.2	7
302	LDIP cooperates with SEIPIN and LDAP to facilitate lipid droplet biogenesis in Arabidopsis. Plant Cell, 2021, 33, 3076-3103.	6.6	31
303	Seipin: harvesting fat and keeping adipocytes healthy. Trends in Cell Biology, 2021, 31, 912-923.	7.9	21
304	Manipulation of Host Cell Organelles by Intracellular Pathogens. International Journal of Molecular Sciences, 2021, 22, 6484.	4.1	27
305	Lipid droplets and the host–pathogen dynamic: FATal attraction?. Journal of Cell Biology, 2021, 220, .	5.2	31
306	An in vivo reporter for tracking lipid droplet dynamics in transparent zebrafish. ELife, 2021, 10, .	6.0	18
307	Identification of prognostic lipid droplet-associated genes in pancreatic cancer patients via bioinformatics analysis. Lipids in Health and Disease, 2021, 20, 58.	3.0	34
308	Bitter receptor TAS2R138 facilitates lipid droplet degradation in neutrophils during Pseudomonas aeruginosa infection. Signal Transduction and Targeted Therapy, 2021, 6, 210.	17.1	9
310	Azide-based bioorthogonal chemistry: Reactions and its advances in cellular and biomolecular imaging. Biophysics Reviews, 2021, 2, .	2.7	2
311	Multiple C2 domain–containing transmembrane proteins promote lipid droplet biogenesis and growth at specialized endoplasmic reticulum subdomains. Molecular Biology of the Cell, 2021, 32, 1147-1157.	2.1	20
312	Autophagy in liver diseases: A review. Molecular Aspects of Medicine, 2021, 82, 100973.	6.4	136
314	Enzyme-Treated Zizania latifolia Extract Protects against Alcohol-Induced Liver Injury by Regulating the NRF2 Pathway. Antioxidants, 2021, 10, 960.	5.1	10
316	Nuclear lipid droplets and nuclear damage in Caenorhabditis elegans. PLoS Genetics, 2021, 17, e1009602.	3.5	22
317	Targeting lipid metabolism is an emerging strategy to enhance the efficacy of anti-HER2 therapies in HER2-positive breast cancer. Cancer Letters, 2021, 511, 77-87.	7.2	22
318	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
319	Loss of swiss cheese in Neurons Contributes to Neurodegeneration with Mitochondria Abnormalities, Reactive Oxygen Species Acceleration and Accumulation of Lipid Droplets in Drosophila Brain. International Journal of Molecular Sciences, 2021, 22, 8275.	4.1	9
320	Programmed PPAR-α downregulation induces inflammaging by suppressing fatty acid catabolism in monocytes. IScience, 2021, 24, 102766.	4.1	11
321	The p53 Family: A Role in Lipid and Iron Metabolism. Frontiers in Cell and Developmental Biology, 2021, 9, 715974.	3.7	15

		CITATION R	EPORT	
#	Article		IF	CITATIONS
322	A delicate initiation: Lipolysis of lipid droplets fuels glioblastoma. Molecular Cell, 2021,	, 81, 2686-2687.	9.7	6
323	In situ fiducial markers for 3D correlative cryo-fluorescence and FIB-SEM imaging. IScie 102714.	nce, 2021, 24,	4.1	14
324	Intracellular lipid droplet accumulation occurs early following viral infection and is requ an efficient interferon response. Nature Communications, 2021, 12, 4303.	iired for	12.8	70
325	Acute catabolism of leukocyte lipid bodies: characterization of a nordihydroguaiaretic (NDGA)-induced proteasomal-dependent model. Prostaglandins Leukotrienes and Esse 2021, 171, 102320.	acid ntial Fatty Acids,	2.2	0
326	A Bimodal Fluorescence-Raman Probe for Cellular Imaging. Cells, 2021, 10, 1699.		4.1	8
327	Peroxisomes exhibit compromised structure and matrix protein content in SARS-CoV-2 Molecular Biology of the Cell, 2021, 32, 1273-1282.	i-infected cells.	2.1	26
329	Prothymosin α promotes colorectal carcinoma chemoresistance through inducing lipic accumulation. Mitochondrion, 2021, 59, 123-134.	d droplet	3.4	12
330	Real-time tracking of lipid droplets interactions with other organelles by a high signal/r Dyes and Pigments, 2021, 191, 109366.	ioise probe.	3.7	16
331	Characterization of cytoplasmic lipid droplets in each region of the small intestine of le diet-induced obese mice in response to dietary fat. American Journal of Physiology - Re 2021, 321, G75-G86.	an and nal Physiology,	3.4	12
332	"Differential Effects of Unsaturated Fatty Acids and Saturated Fatty Acids on Lipotoxic Lipid Accumulation in Neuro-2a Cells". Biomedical Journal of Scientific & Technical Rese	ity and Neutral earch, 2021, 37, .	0.1	3
333	The Mitochondrial PHB Complex Determines Lipid Composition and Interacts With the Reticulum to Regulate Ageing. Frontiers in Physiology, 2021, 12, 696275.	e Endoplasmic	2.8	5
335	Branched and linear fatty acid esters of hydroxy fatty acids (FAHFA) relevant to human 231, 107972.	health. , 2022,		27
337	Palmitic Acid Lipotoxicity in Microglia Cells Is Ameliorated by Unsaturated Fatty Acids. Journal of Molecular Sciences, 2021, 22, 9093.	International	4.1	20
338	Beyond targeted protein degradation: LD·ATTECs clear cellular lipid droplets. Cell Res 945-946.	earch, 2021, 31,	12.0	8
339	Andrographolide Reduces Lipid Droplet Accumulation in Adipocytes Derived from Hum Marrow Mesenchymal Stem Cells by Suppressing Regulators of Adipogenesis. Journal o and Food Chemistry, 2021, 69, 9259-9269.	an Bone of Agricultural	5.2	4
340	Target of Rapamycin Complex 1 (TORC1), Protein Kinase A (PKA) and Cytosolic pH Reg Transcriptional Circuit for Lipid Droplet Formation. International Journal of Molecular S 2021, 22, 9017.	ulate a ciences,	4.1	9
341	Regulation of lipid homeostasis by the TBC protein dTBC1D22 via modulation of the si to facilitate lipophagy. Cell Reports, 2021, 36, 109541.	nall GTPase Rab40	6.4	6
342	Quantitative live-cell PALM reveals nanoscopic Faa4 redistributions and dynamics on li during metabolic transitions of yeast. Molecular Biology of the Cell, 2021, 32, 1565-15	pid droplets 78.	2.1	9

#	Article	IF	CITATIONS
343	Lipid droplets form a network interconnected by the endoplasmic reticulum through which their proteins equilibrate. Journal of Cell Science, 2022, 135, .	2.0	13
344	Ending on a sour note: Lipids orchestrate ferroptosis in cancer. Cell Metabolism, 2021, 33, 1507-1509.	16.2	9
345	An Aggregation-Induced Emission Optical Highlighter for the Studies of Endoplasmic Reticulum-Lipid Droplet Content Dynamics. CCS Chemistry, 2022, 4, 515-525.	7.8	7
346	Acetylcholine reduces palmitate-induced cardiomyocyte apoptosis by promoting lipid droplet lipolysis and perilipin 5-mediated lipid droplet-mitochondria interaction. Cell Cycle, 2021, 20, 1890-1906.	2.6	5
347	Integrated application of metabolomics and RNAâ€seq reveals thermogenic regulation in goat brown adipose tissues. FASEB Journal, 2021, 35, e21868.	0.5	12
349	Physiological fluid interfaces: Functional microenvironments, drug delivery targets, and first line of defense. Acta Biomaterialia, 2021, 130, 32-53.	8.3	24
350	The role of membrane contact sites at the bacteria-host interface. Critical Reviews in Microbiology, 2022, 48, 270-282.	6.1	3
351	Imaging cytoplasmic lipid droplets in vivo with fluorescent perilipin 2 and perilipin 3 knock-in zebrafish. ELife, 2021, 10, .	6.0	21
352	Expression pattern of perilipins in human brain during aging and in Alzheimer's disease. Neuropathology and Applied Neurobiology, 2022, 48, .	3.2	17
353	Organelle-specific regulation of ferroptosis. Cell Death and Differentiation, 2021, 28, 2843-2856.	11.2	138
354	Effects of two potential probiotic Lactobacillus bacteria on adipogenesis in vitro. Life Sciences, 2021, 278, 119538.	4.3	7
355	Toward sustainable production of valueâ€added bioenergy and industrial oils in oilseed and biomass feedstocks. GCB Bioenergy, 2021, 13, 1610-1623.	5.6	7
356	Perspectives on Mitochondria–ER and Mitochondria–Lipid Droplet Contact in Hepatocytes and Hepatic Lipid Metabolism. Cells, 2021, 10, 2273.	4.1	16
357	The Ultrastructural Analysis of Human Colorectal Cancer Stem Cell-Derived Spheroids and Their Mouse Xenograft Shows That the Same Cells Types Have Different Ratios. Biology, 2021, 10, 929.	2.8	6
358	Pulmonary infection induces persistent, pathogen-specific lipidomic changes influencing trained immunity. IScience, 2021, 24, 103025.	4.1	5
359	Dynamic Excimer (DYNEX) Imaging of Lipid Droplets. ACS Sensors, 2021, 6, 3632-3639.	7.8	4
361	Lipid droplets as metabolic determinants for stemness and chemoresistance in cancer. World Journal of Stem Cells, 2021, 13, 1307-1317.	2.8	14
362	Triglyceride Lenses at the Air–Water Interface as a Model System for Studying the Initial Stage in the Biogenesis of Lipid Droplets. Langmuir, 2021, 37, 10958-10970.	3.5	6

	CITATION F	Report	
#	ARTICLE	IF	CITATIONS
363	droplets in live mammalian and fungal cells. Sensors and Actuators B: Chemical, 2021, 343, 130128.	7.8	14
364	Role of Intra- and Extracellular Lipid Signals in Cancer Stemness and Potential Therapeutic Strategy. Frontiers in Pharmacology, 2021, 12, 730751.	3.5	8
365	Western diet as a trigger of Alzheimer's disease: From metabolic syndrome and systemic inflammation to neuroinflammation and neurodegeneration. Ageing Research Reviews, 2021, 70, 101397.	10.9	130
366	Tracing Key Molecular Regulators of Lipid Biosynthesis in Tuber Development of Cyperus esculentus Using Transcriptomics and Lipidomics Profiling. Genes, 2021, 12, 1492.	2.4	4
367	The Mitochondrial Prohibitin (PHB) Complex in C. elegans Metabolism and Ageing Regulation. Metabolites, 2021, 11, 636.	2.9	8
368	<scp> <i>Rickettsia conorii</i> </scp> survival in <scp>THP</scp> â€1 macrophages involves host lipid droplet alterations and active rickettsial protein production. Cellular Microbiology, 2021, 23, e13390.	2.1	5
369	Lipid droplet evolution gives insight into polyaneuploid cancer cell lipid droplet functions. Medical Oncology, 2021, 38, 133.	2.5	11
370	The Updates of Podocyte Lipid Metabolism in Proteinuric Kidney Disease. Kidney Diseases (Basel,) Tj ETQq1 1 0	.784314 rg 2.5	BT /Overlock
371	Significance of liver fat loss in chronic liver disease: Usefulness of hepatic proton density fat fraction measurement by magnetic resonance imaging in evaluating malnutrition. Acta Hepatologica Japonica, 2021, 62, 525-537.	0.1	0
372	Identification of a new autophagy inhibitor targeting lipid droplets in vascular endothelial cells. Biochemical and Biophysical Research Communications, 2021, 571, 195-200.	2.1	2
373	The prognostic miR-532-5p-correlated ceRNA-mediated lipid droplet accumulation drives nodal metastasis of cervical cancer. Journal of Advanced Research, 2022, 37, 169-184.	9.5	17
375	Leptin Reduces Plin5 m6A Methylation through FTO to Regulate Lipolysis in Piglets. International Journal of Molecular Sciences, 2021, 22, 10610.	4.1	7
376	Insights into <i>in vivo</i> adipocyte differentiation through cell-specific labeling in zebrafish. Biology Open, 2021, 10, .	1.2	4
377	Stable Superâ€Resolution Imaging of Lipid Droplet Dynamics through a Buffer Strategy with a Hydrogenâ€Bond Sensitive Fluorogenic Probe. Angewandte Chemie, 2021, 133, 25308-25317.	2.0	9
378	A gel-like condensation of Cidec generates lipid-permeable plates for lipid droplet fusion. Developmental Cell, 2021, 56, 2592-2606.e7.	7.0	18
379	Reprogrammed lipid metabolism protects inner nuclear membrane against unsaturated fat. Developmental Cell, 2021, 56, 2562-2578.e3.	7.0	34
380	Viruses and Metabolism: The Effects of Viral Infections and Viral Insulins on Host Metabolism. Annual Review of Virology, 2021, 8, 373-391.	6.7	39
382	Sterols are required for the coordinated assembly of lipid droplets in developing seeds. Nature Communications, 2021, 12, 5598.	12.8	21

#	Article	IF	CITATIONS
383	Lipid metabolism in sickness and in health: Emerging regulators of lipotoxicity. Molecular Cell, 2021, 81, 3708-3730.	9.7	118
384	Enabling High Structural Specificity to Lipidomics by Coupling Photochemical Derivatization with Tandem Mass Spectrometry. Accounts of Chemical Research, 2021, 54, 3873-3882.	15.6	26
385	Asymmetric organelle positioning during epithelial polarization of C.Âelegans intestinal cells. Developmental Biology, 2022, 481, 75-94.	2.0	7
386	The modified mitochondrial outer membrane carrier MTCH2 links mitochondrial fusion to lipogenesis. Journal of Cell Biology, 2021, 220, .	5.2	33
387	Stable Superâ€Resolution Imaging of Lipid Droplet Dynamics through a Buffer Strategy with a Hydrogenâ€Bond Sensitive Fluorogenic Probe. Angewandte Chemie - International Edition, 2021, 60, 25104-25113.	13.8	60
388	Construction of single fluorescent probes for separately visualizing duple organelles in different emission colors. Sensors and Actuators B: Chemical, 2021, 343, 130168.	7.8	16
389	Lipid Droplet-Organelle Contact Sites as Hubs for Fatty Acid Metabolism, Trafficking, and Metabolic Channeling. Frontiers in Cell and Developmental Biology, 2021, 9, 726261.	3.7	42
390	Identification and Characterization of Human Norovirus NTPase Regions Required for Lipid Droplet Localization, Cellular Apoptosis, and Interaction with the Viral P22 Protein. Microbiology Spectrum, 2021, 9, e0042221.	3.0	6
391	Lipolysis and lipophagy play individual and interactive roles in regulating triacylglycerol and cholesterol homeostasis and mitochondrial form in zebrafish. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158988.	2.4	12
392	Downregulation of Perilipin1 by the Immune Deficiency Pathway Leads to Lipid Droplet Reconfiguration and Adaptation to Bacterial Infection in <i>Drosophila</i> . Journal of Immunology, 2021, 207, 2347-2358.	0.8	3
393	Engineering yeast subcellular compartments for increased production of the lipophilic natural products ginsenosides. Metabolic Engineering, 2021, 67, 104-111.	7.0	57
394	Lipid Droplets Proteins in Acne Skin. A sound target for the maintenance of low comedogenic sebum and acne-prone skin health JID Innovations, 2021, 1, 100057.	2.4	4
395	Neutrophilâ€Selective Fluorescent Probe Development through Metabolismâ€Oriented Live ell Distinction. Angewandte Chemie, 2021, 133, 23936.	2.0	0
396	Ring finger protein 213 assembles into a sensor for ISGylated proteins with antimicrobial activity. Nature Communications, 2021, 12, 5772.	12.8	51
397	Analysis of the intracellular localization of amiodarone using live single-cell mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2021, 205, 114318.	2.8	2
398	Neutrophilâ€Selective Fluorescent Probe Development through Metabolismâ€Oriented Live ell Distinction. Angewandte Chemie - International Edition, 2021, 60, 23743-23749.	13.8	10
399	An insight on the future therapeutic application potential of Stevia rebaudiana Bertoni for atherosclerosis and cardiovascular diseases. Biomedicine and Pharmacotherapy, 2021, 143, 112207.	5.6	9
400	Genetic engineering of microalgae for enhanced lipid production. Biotechnology Advances, 2021, 52, 107836.	11.7	52

#	ARTICLE	IF	CITATIONS
401	A lipid droplets specific probe for imaging of atherosclerosis and fibrocalcific bicuspid aortic valves. Sensors and Actuators B: Chemical, 2021, 346, 130458.	7.8	11
402	Two-photon fluorescent probes for detecting the viscosity of lipid droplets and its application in living cells. RSC Advances, 2021, 11, 8250-8254.	3.6	7
403	Bulging and budding of lipid droplets from symmetric and asymmetric membranes: competition between membrane elastic energy and interfacial energy. Soft Matter, 2021, 17, 5319-5328.	2.7	10
404	Structure and function of lipid droplets. , 2021, , 357-394.		0
405	Seipin traps triacylglycerols to facilitate their nanoscale clustering in the endoplasmic reticulum membrane. PLoS Biology, 2021, 19, e3000998.	5.6	54
406	New β-diketone-boron difluoride based near-infrared fluorescent probes for polarity detection. Analyst, The, 2021, 146, 5873-5879.	3.5	6
408	Indolylbenzothiadiazoles as highly tunable fluorophores for imaging lipid droplet accumulation in astrocytes and glioblastoma cells. RSC Advances, 2021, 11, 23960-23967.	3.6	3
409	Membrane organization Topography and Functions of Membrane Contact Sites. , 2021, , 821-837.		0
410	Lipid Metabolism and Ferroptosis. , 2019, , 1-26.		2
411	The importance of microlipophagy in liver. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	8
412	Seipin and Nem1 establish discrete ER subdomains to initiate yeast lipid droplet biogenesis. Journal of Cell Biology, 2020, 219, .	5.2	68
413	ORP5 regulates PI(4)P on the lipid droplet: Novel players on the monolayer. Journal of Cell Biology, 2020, 219, .	5.2	6
414	Nuclear lipid droplets form in the inner nuclear membrane in a seipin-independent manner. Journal of Cell Biology, 2021, 220, .	5.2	47
428	Synchrotron multimodal imaging in a whole cell reveals lipid droplet core organization. Journal of Synchrotron Radiation, 2020, 27, 772-778.	2.4	7
429	Mitochondrial misreading in skeletal muscle accelerates metabolic aging and confers lipid accumulation and increased inflammation. Rna, 2021, 27, 265-272.	3.5	10
430	<pre><scp>ADAM</scp> 17â€triggered <scp>TNF</scp> signalling protects the ageing <i>Drosophila</i> retina from lipid dropletâ€mediated degeneration. EMBO Journal, 2020, 39, e104415.</pre>	7.8	25
431	<i>Tnfaip2/exoc3</i> â€driven lipid metabolism is essential for stem cell differentiation and organ homeostasis. EMBO Reports, 2021, 22, e49328.	4.5	16
432	Neuronal lipolysis participates in PUFAâ€mediated neural function and neurodegeneration. EMBO Reports, 2020, 21, e50214.	4.5	24

#	Article	IF	CITATIONS
433	The multiple functions of the numerous Chlamydia trachomatis secreted proteins: the tip of the iceberg. Microbial Cell, 2019, 6, 414-449.	3.2	42
434	Depletion of SNAP-23 and Syntaxin 4 alters lipid droplet homeostasis during Chlamydia infection. Microbial Cell, 2020, 7, 46-58.	3.2	6
435	The pathological role of ferroptosis in ischemia/reperfusion-related injury. Zoological Research, 2020, 41, 220-230.	2.1	138
436	Loss of autophagy impairs physiological steatosis by accumulation of NCoR1. Life Science Alliance, 2020, 3, e201900513.	2.8	18
437	Microtubule-dependent and independent roles of spastin in lipid droplet dispersion and biogenesis. Life Science Alliance, 2020, 3, e202000715.	2.8	6
438	Two Types of Contact Between Lipid Droplets and Mitochondria. Frontiers in Cell and Developmental Biology, 2020, 8, 618322.	3.7	57
439	Implications of lipid droplets in lung cancer: Associations with drug resistance (Review). Oncology Letters, 2020, 20, 2091-2104.	1.8	32
440	Molecular and cellular mechanisms of spastin inÂneural development and disease (Review). International Journal of Molecular Medicine, 2021, 48, .	4.0	13
441	MS4A15 drives ferroptosis resistance through calcium-restricted lipid remodeling. Cell Death and Differentiation, 2022, 29, 670-686.	11.2	35
442	Anti-flavivirus Properties of Lipid-Lowering Drugs. Frontiers in Physiology, 2021, 12, 749770.	2.8	18
443	Retinal pigment epithelium 65ÂkDa protein (RPE65): An update. Progress in Retinal and Eye Research, 2022, 88, 101013.	15.5	36
444	Fluorescent Benzothiadiazole Derivatives as Fluorescence Imaging Dyes: A Decade of New Generation Probes. Chemistry - A European Journal, 2022, 28, .	3.3	40
445	Defective Lipid Droplet–Lysosome Interaction Causes Fatty Liver Disease as Evidenced by Human Mutations in TMEM199 and CCDC115. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 583-597.	4.5	8
447	Lipid droplets diversity and functions in inflammation and immune response. Expert Review of Proteomics, 2021, 18, 809-825.	3.0	13
448	Mechanism of lipid droplet formation by the yeast Sei1/Ldb16 Seipin complex. Nature Communications, 2021, 12, 5892.	12.8	40
449	Sphingosine-1 Phosphate Lyase Regulates Sensitivity of Pancreatic Beta-Cells to Lipotoxicity. International Journal of Molecular Sciences, 2021, 22, 10893.	4.1	3
450	Managing risky assets – mitophagy <i>in vivo</i> . Journal of Cell Science, 2021, 134, .	2.0	11
452	Roles for L _o microdomains and ESCRT in ER stress-induced lipid droplet microautophagy in budding yeast. Molecular Biology of the Cell, 2021, 32, br12.	2.1	20

	CITATION R	EPORT	
#	Article	IF	Citations
453	Localization of phosphatidylinositol 4-phosphate 5-kinase (PIP5K) α confined to the surface of lipid droplets and adjacent narrow cytoplasm in progesterone-producing cells of in situ ovaries of adult mice. Acta Histochemica, 2021, 123, 151794.	1.8	2
454	eIF2Aâ€knockout mice reveal decreased life span and metabolic syndrome. FASEB Journal, 2021, 35, e21990.	0.5	14
456	Lipid. , 2019, , 1-9.		0
460	Phospholipid synthetic and turnover pathways elicited upon exposure to different xenobiotics. AIMS Molecular Science, 2020, 7, 211-228.	0.5	0
461	Triacylglycerol Measurement in HeLa Cells. Bio-protocol, 2020, 10, e3852.	0.4	1
466	Building the lipid droplet assembly complex. Journal of Cell Biology, 2020, 219, .	5.2	2
469	Lipid droplets formation and their effects on phosphatidylinositol level in yeasts. Novel Research in Microbiology Journal, 2020, 4, 856-867.	0.3	0
470	A distyrylbenzene-based fluorescent probe with high photostability and large Stokes shift for STED nanoscopy imaging of cellular lipid droplets. Sensors and Actuators B: Chemical, 2022, 353, 131000.	7.8	16
471	Bulging-to-Budding Transition of Lipid Droplets Confined within Vesicle Membranes. Langmuir, 2021, 37, 12867-12873.	3.5	2
472	STED Nanoscopy Imaging of Cellular Lipid Droplets Employing a Superior Organic Fluorescent Probe. Analytical Chemistry, 2021, 93, 14784-14791.	6.5	23
475	Therapeutic potential of melatonin in colorectal cancer: Focus on lipid metabolism and gut microbiota. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166281.	3.8	12
476	Lipid scavenging macrophages and inflammation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2022, 1867, 159066.	2.4	8
477	Visualization of lipophagy using a supramolecular FRET pair. Chemical Communications, 2021, 57, 12179-12182.	4.1	11
478	Intracellular Organelles Driven by Liquid-Liquid Phase Separation. Seibutsu Butsuri, 2020, 60, 267-271.	0.1	0
480	Aggregation-induced emission luminogens for lipid droplet imaging. Progress in Molecular Biology and Translational Science, 2021, 184, 101-144.	1.7	3
482	Loss of <i>Atg2b</i> and <i>Gskip</i> Impairs the Maintenance of the Hematopoietic Stem Cell Pool Size. Molecular and Cellular Biology, 2022, 42, MCB0002421.	2.3	3
483	Citrate Promotes Excessive Lipid Biosynthesis and Senescence in Tumor Cells for Tumor Therapy. Advanced Science, 2022, 9, e2101553.	11.2	16
484	Application of a deep learning-based image analysis and live-cell imaging system for quantifying adipogenic differentiation kinetics of adipose-derived stem/stromal cells. Adipocyte, 2021, 10, 621-630.	2.8	3

#	Article	IF	CITATIONS
485	Phytochemical Constituents Identified from the Aerial Parts of Lespedeza cuneata and Their Effects on Lipid Metabolism during Adipocyte Maturation. Separations, 2021, 8, 203.	2.4	2
486	Lipid metabolism reprogramming in renal cell carcinoma. Cancer and Metastasis Reviews, 2022, 41, 17-31.	5.9	37
491	Lipid Droplets and the Management of Cellular Stress. Yale Journal of Biology and Medicine, 2019, 92, 435-452.	0.2	89
492	Lipid droplet and its implication in cancer progression. American Journal of Cancer Research, 2020, 10, 4112-4122.	1.4	13
493	Expression status and prognostic value of the perilipin family of genes in breast cancer. American Journal of Translational Research (discontinued), 2021, 13, 4450-4463.	0.0	2
494	Anti-obesity effects of extract containing celastrol on canine adipocytes. Canadian Journal of Veterinary Research, 2021, 85, 177-185.	0.2	0
495	Synthesis of a new environment-sensitive fluorescent probe based on TICT and application for detection of human serum albumin and specific lipid droplets imaging. Analytica Chimica Acta, 2022, 1190, 339267.	5.4	11
496	Hello from the other side: Membrane contact of lipid droplets with other organelles and subsequent functional implications. Progress in Lipid Research, 2022, 85, 101141.	11.6	24
497	Endosomal Cholesterol in Viral Infections – A Common Denominator?. Frontiers in Physiology, 2021, 12, 750544.	2.8	23
498	ER-localized phosphatidylethanolamine synthase plays a conserved role in lipid droplet formation. Molecular Biology of the Cell, 2022, 33, mbcE21110558T.	2.1	7
499	Mechanisms of Non-Vesicular Exchange of Lipids at Membrane Contact Sites: Of Shuttles, Tunnels and, Funnels. Frontiers in Cell and Developmental Biology, 2021, 9, 784367.	3.7	17
501	The mechanisms and therapeutic targets of ferroptosis in cancer. Expert Opinion on Therapeutic Targets, 2021, 25, 965-986.	3.4	18
502	FOXM1-mediated activation of phospholipase D1 promotes lipid droplet accumulation and reduces ROS to support paclitaxel resistance in metastatic cancer cells. Free Radical Biology and Medicine, 2022, 179, 213-228.	2.9	11
503	Lipids in Pathophysiology and Development of the Membrane Lipid Therapy: New Bioactive Lipids. Membranes, 2021, 11, 919.	3.0	12
504	Differential Effects of Oleic and Palmitic Acids on Lipid Droplet-Mitochondria Interaction in the Hepatic Cell Line HepG2. Frontiers in Nutrition, 2021, 8, 775382.	3.7	31
505	Wide-Field Mid-Infrared Hyperspectral Imaging by Snapshot Phase Contrast Measurement of Optothermal Excitation. Analytical Chemistry, 2021, 93, 15323-15330.	6.5	4
506	CYP4V2 fatty acid omega hydroxylase, a druggable target for the treatment of metabolic associated fatty liver disease (MAFLD). Biochemical Pharmacology, 2022, 195, 114841.	4.4	5
507	AGPAT2 interaction with CDP-diacylglycerol synthases promotes the flux of fatty acids through the CDP-diacylglycerol pathway. Nature Communications, 2021, 12, 6877.	12.8	17

#	Article	IF	Citations
508	Peroxisomal Membrane Contact Sites in Yeasts. Frontiers in Cell and Developmental Biology, 2021, 9, 735031.	3.7	8
509	PLIN2 Mediates Neuroinflammation and Oxidative/Nitrosative Stress via Downregulating Phosphatidylethanolamine in the Rostral Ventrolateral Medulla of Stressed Hypertensive Rats. Journal of Inflammation Research, 2021, Volume 14, 6331-6348.	3.5	11
510	A new perspective on NAFLD: Focusing on lipid droplets. Journal of Hepatology, 2022, 76, 934-945.	3.7	118
513	Lipid droplets contribute myogenic differentiation in C2C12 by promoting the remodeling of the acstin-filament. Cell Death and Disease, 2021, 12, 1102.	6.3	10
514	Abnormal accumulation of lipid droplets in neurons induces the conversion of alpha-Synuclein to proteolytic resistant forms in a Drosophila model of Parkinson's disease. PLoS Genetics, 2021, 17, e1009921.	3.5	16
515	Location, location, location: subcellular protein partitioning in proteostasis and aging. Biophysical Reviews, 2021, 13, 931-941.	3.2	5
516	Ultrabright and Highly Polarityâ€5ensitive NIRâ€I/NIRâ€II Fluorophores for the Tracking of Lipid Droplets and Staging of Fatty Liver Disease. Advanced Functional Materials, 2022, 32, .	14.9	38
517	β-Carotene stimulates browning of 3T3-L1 white adipocytes by enhancing thermogenesis via the β3-AR/p38 MAPK/SIRT signaling pathway. Phytomedicine, 2021, , 153857.	5.3	5
518	Cytotoxic BODIPY-Appended Half-Sandwich Iridium(III) Complex Forms Protein Adducts and Induces ER Stress. Journal of Medicinal Chemistry, 2021, 64, 16675-16686.	6.4	9
519	Oral Subacute Exposure to Cadmium LOAEL Dose Induces Insulin Resistance and Impairment of the Hormonal and Metabolic Liver-Adipose Axis in Wistar Rats. Biological Trace Element Research, 2022, 200, 4370-4384.	3.5	17
520	D-Ï€-A structure fluorophore: NIR emission, response to viscosity, detection cyanide and bioimaging of lipid droplets. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, , 120593.	3.9	2
521	Reduction-responsive RNAi nanoplatform to reprogram tumor lipid metabolism and repolarize macrophage for combination pancreatic cancer therapy. Biomaterials, 2022, 280, 121264.	11.4	30
522	A lipid droplet specific fluorescent probe for image-guided photodynamic therapy under hypoxia. Journal of Materials Chemistry B, 2021, 9, 9553-9560.	5.8	13
523	Links between autophagy and lipid droplet dynamics. Journal of Experimental Botany, 2022, 73, 2848-2858.	4.8	18
524	Lipid Droplet—a New Target in Ischemic Heart Disease. Journal of Cardiovascular Translational Research, 2022, 15, 730-739.	2.4	2
525	Diet, lipids, and antitumor immunity. Cellular and Molecular Immunology, 2022, 19, 432-444.	10.5	40
526	APOE4 confers transcriptomic and functional alterations to primary mouse microglia. Neurobiology of Disease, 2022, 164, 105615.	4.4	22
527	Brain lipid metabolism: the emerging role of lipid droplets in glial cells. Current Opinion in Lipidology, 2022, 33, 86-87.	2.7	Ο

#	Article	IF	CITATIONS
528	Induction of lipid metabolism dysfunction, oxidative stress and inflammation response by tris(1-chloro-2-propyl)phosphate in larval/adult zebrafish. Environment International, 2022, 160, 107081.	10.0	13
529	Tuning the "critical polarity―of TICT dyes: Construction of polarity-sensitive platform to distinguish duple organelles. Sensors and Actuators B: Chemical, 2022, 355, 131349.	7.8	10
531	Equisetin is an anti-obesity candidate through targeting 11β-HSD1. Acta Pharmaceutica Sinica B, 2022, 12, 2358-2373.	12.0	5
532	Serum Metabolomic Profiling Reveals Biomarkers for Early Detection and Prognosis of Esophageal Squamous Cell Carcinoma. Frontiers in Oncology, 2022, 12, 790933.	2.8	13
535	Rebuttal to: Liver Steatosis is a Driving Factor of Inflammation. Cellular and Molecular Gastroenterology and Hepatology, 2022, , .	4.5	0
536	Key Factors Governing Initial Stages of Lipid Droplet Formation. Journal of Physical Chemistry B, 2022, 126, 453-462.	2.6	15
537	Fatty Acid Metabolism in Myeloid-Derived Suppressor Cells and Tumor-Associated Macrophages: Key Factor in Cancer Immune Evasion. Cancers, 2022, 14, 250.	3.7	16
539	Dengue and Zika Virus Capsid Proteins Contain a Common PEX19-Binding Motif. Viruses, 2022, 14, 253.	3.3	4
540	Occludin is a target of Src kinase and promotes lipid secretion by binding to BTN1a1 and XOR. PLoS Biology, 2022, 20, e3001518.	5.6	5
541	Mature eosinophils: General morphology. , 2022, , 7-60.		0
541 542	Mature eosinophils: General morphology. , 2022, , 7-60. Autophagy: a molecular switch to regulate adipogenesis and lipolysis. Molecular and Cellular Biochemistry, 2022, 477, 727-742.	3.1	0 9
541 542 543	Mature eosinophils: General morphology., 2022, , 7-60. Autophagy: a molecular switch to regulate adipogenesis and lipolysis. Molecular and Cellular Biochemistry, 2022, 477, 727-742. Lipid Metabolism in Cancer: The Role of Acylglycerolphosphate Acyltransferases (AGPATs). Cancers, 2022, 14, 228.	3.1 3.7	0 9 11
541 542 543 544	Mature eosinophils: General morphology., 2022, 7-60. Autophagy: a molecular switch to regulate adipogenesis and lipolysis. Molecular and Cellular Biochemistry, 2022, 477, 727-742. Lipid Metabolism in Cancer: The Role of Acylglycerolphosphate Acyltransferases (AGPATs). Cancers, 2022, 14, 228. Lipid Droplets Embedded in a Model Cell Membrane Create a Phospholipid Diffusion Barrier. Small, 2022, 18, e2106524.	3.1 3.7 10.0	0 9 11 9
 541 542 543 544 545 	Mature eosinophils: General morphology., 2022,, 7-60. Autophagy: a molecular switch to regulate adipogenesis and lipolysis. Molecular and Cellular Biochemistry, 2022, 477, 727-742. Lipid Metabolism in Cancer: The Role of Acylglycerolphosphate Acyltransferases (AGPATs). Cancers, 2022, 14, 228. Lipid Droplets Embedded in a Model Cell Membrane Create a Phospholipid Diffusion Barrier. Small, 2022, 18, e2106524. Eukaryotic lipid droplets: metabolic hubs, and immune first responders. Trends in Endocrinology and Metabolism, 2022, 33, 218-229.	3.1 3.7 10.0 7.1	0 9 11 9 15
 541 542 543 544 545 546 	Mature eosinophils: General morphology., 2022, , 7-60. Autophagy: a molecular switch to regulate adipogenesis and lipolysis. Molecular and Cellular Biochemistry, 2022, 477, 727-742. Lipid Metabolism in Cancer: The Role of Acylglycerolphosphate Acyltransferases (ACPATs). Cancers, 2022, 14, 228. Lipid Droplets Embedded in a Model Cell Membrane Create a Phospholipid Diffusion Barrier. Small, 2022, 18, e2106524. Eukaryotic lipid droplets: metabolic hubs, and immune first responders. Trends in Endocrinology and Metabolism, 2022, 33, 218-229. Lipid droplet dynamics regulate adult muscle stem cell fate. Cell Reports, 2022, 38, 110267.	3.1 3.7 10.0 7.1 6.4	0 9 11 9 15 23
 541 542 543 544 545 546 547 	Mature eosinophils: General morphology., 2022, , 7-60. Autophagy: a molecular switch to regulate adipogenesis and lipolysis. Molecular and Cellular Biochemistry, 2022, 477, 727-742. Lipid Metabolism in Cancer: The Role of Acylglycerolphosphate Acyltransferases (AGPATs). Cancers, 2022, 14, 228. Lipid Droplets Embedded in a Model Cell Membrane Create a Phospholipid Diffusion Barrier. Small, 2022, 18, e2106524. Eukaryotic lipid droplets: metabolic hubs, and immune first responders. Trends in Endocrinology and Metabolism, 2022, 33, 218-229. Lipid droplet dynamics regulate adult muscle stem cell fate. Cell Reports, 2022, 38, 110267. Lipid droplets in plants: More than a simple fat storage. Advances in Botanical Research, 2022, 101, 191-223.	 3.1 3.7 10.0 7.1 6.4 1.1 	0 9 11 9 15 23 4
 541 542 543 544 545 546 547 548 	Mature eosinophils: General morphology. , 2022, , 7-60. Autophagy: a molecular switch to regulate adipogenesis and lipolysis. Molecular and Cellular Biochemistry, 2022, 477, 727-742. Lipid Metabolism in Cancer: The Role of Acylglycerolphosphate Acyltransferases (AGPATs). Cancers, 2022, 14, 228. Lipid Droplets Embedded in a Model Cell Membrane Create a Phospholipid Diffusion Barrier. Small, 2022, 18, e2106524. Eukaryotic lipid droplets: metabolic hubs, and immune first responders. Trends in Endocrinology and Metabolism, 2022, 33, 218-229. Lipid droplet dynamics regulate adult muscle stem cell fate. Cell Reports, 2022, 38, 110267. Lipid droplets in plants: More than a simple fat storage. Advances in Botanical Research, 2022, 101, 191-223. Lipid droplet-mitochondria coupling via perilipin 5 augments respiratory capacity but is dispensable for FA oxidation. Journal of Lipid Research, 2022, 63, 100172.	3.1 3.7 10.0 7.1 6.4 1.1 4.2	0 9 11 9 15 23 4

		CITATION REPORT	
#	Article	IF	CITATIONS
551	The Bak core dimer focuses triacylglycerides in the membrane. Biophysical Journal, 2022, 121	, 347-360. 0.5	1
552	Visualizing the Interplay of Lipid Droplets and Protein Aggregates During Aging via a Dual-Fur Fluorescent Probe. Analytical Chemistry, 2022, 94, 2803-2811.	ctional 6.5	12
553	Adaptive and maladaptive roles of lipid droplets in health and disease. American Journal of Ph - Cell Physiology, 2022, 322, C468-C481.	/siology 4.6	13
554	Lipid Droplets in Cancer: From Composition and Role to Imaging and Therapeutics. Molecules 991.	, 2022, 27, 3.8	27
555	Determination of <i>trans</i> â€fatty acids in food samples based on the precolumn fluoresc derivatization by high performance liquid chromatography. Journal of Separation Science, 202 1425-1433.	nce 22, 45, 2.5	3
556	Running â€~LAPS' Around nLD: Nuclear Lipid Droplet Form and Function. Frontiers in Cell Developmental Biology, 2022, 10, 837406.	and 3.7	10
557	Effects of Chronic Intermittent Hypoxia and Chronic Sleep Fragmentation on Gut Microbiome Metabolome, Liver and Adipose Tissue Morphology. Frontiers in Endocrinology, 2022, 13, 820	, Serum 3.5)939. 3.5	19
558	Targeting lipophagy as a potential therapeutic strategy for nonalcoholic fatty liver disease. Biochemical Pharmacology, 2022, 197, 114933.	4.4	14
559	The regulation, function, and role of lipophagy, a form of selective autophagy, in metabolic di Cell Death and Disease, 2022, 13, 132.	sorders. 6.3	63
560	Energy transfer between the mitochondrial network and lipid droplets in insulin resistant skel muscle. Current Opinion in Physiology, 2021, 24, 100487.	etal 1.8	6
561	Novel Insights Into Sterol Uptake and Intracellular Cholesterol Trafficking During Eimeria bovi Macromeront Formation. Frontiers in Cellular and Infection Microbiology, 2022, 12, 809606.	s 3.9	1
562	Biogenesis and Breakdown of Lipid Droplets in Pathological Conditions. Frontiers in Cell and Developmental Biology, 2021, 9, 826248.	3.7	21
563	<i>Giardia intestinalis</i> and its endomembrane system*. Journal of Eukaryotic Microbiology 69, e12893.	, 2022, 1.7	4
565	Pathophysiology of Lipid Droplets in Neuroglia. Antioxidants, 2022, 11, 22.	5.1	16
566	Deep-Red Aggregation-Induced Emission Luminogen Based on Dithiofuvalene-Fused Benzoth for Lipid Droplet-Specific Imaging. , 2022, 4, 159-164.	adiazole	28
567	Peroxisomal β-oxidation acts as a sensor for intracellular fatty acids and regulates lipolysis. N Metabolism, 2021, 3, 1648-1661.	ature 11.9	70
569	Lipids and Trehalose Actively Cooperate in Heat Stress Management of Schizosaccharomyces International Journal of Molecular Sciences, 2021, 22, 13272.	pombe. 4.1	12
570	Photostable fluorescent probes based on multifunctional group substituted naphthalimide dy imaging of lipid droplets in live cells. Analytical Methods, 2022, 14, 1279-1284.	es for 2.7	1

#	Article	IF	CITATIONS
571	An Imidazole-Derived Polarity Sensitive Probe for Lipid Droplet Target and in Vivo Tumor Imaging. SSRN Electronic Journal, 0, , .	0.4	0
572	Fluorescent probes based on multifunctional encapsulated perylene diimide dyes for imaging of lipid droplets in live cells. Analyst, The, 2022, 147, 1410-1416.	3.5	3
573	Comparative Transcriptome and Lipidome Analyses Suggest a Lipid Droplet-Specific Response to Heat Exposure of Brown Adipose Tissue in Normal and Obese Mice. SSRN Electronic Journal, 0, , .	0.4	0
574	A smart probe for simultaneous imaging of the lipid/water microenvironment in atherosclerosis and fatty liver. Chemical Communications, 2022, 58, 4020-4023.	4.1	15
575	Glia fuel neurons with locally synthesized ketone bodies to sustain memory under starvation. Nature Metabolism, 2022, 4, 213-224.	11.9	49
576	Qualitative and Quantitative Effects of Fatty Acids Involved in Heart Diseases. Metabolites, 2022, 12, 210.	2.9	6
577	The Chlamydia trachomatis inclusion membrane protein CT006 associates with lipid droplets in eukaryotic cells. PLoS ONE, 2022, 17, e0264292.	2.5	4
578	Order through destruction: how ERâ€associated protein degradation contributes to organelle homeostasis. EMBO Journal, 2022, 41, e109845.	7.8	65
579	Touch and Go: Membrane Contact Sites Between Lipid Droplets and Other Organelles. Frontiers in Cell and Developmental Biology, 2022, 10, 852021.	3.7	13
580	Alcohol basic and translational research 15th Charles Lieber - 1st Samuel French satellite symposium. Experimental and Molecular Pathology, 2022, , 104750.	2.1	4
581	A New Lipidâ€Dropletsâ€Targeted Fluorescence Probe with Dualâ€Reactive Sites for Specific Detection of ClO ^{â^²} in Living Cells. ChemistrySelect, 2022, 7, .	1.5	2
582	Selective PPARα Modulator Pemafibrate and Sodium-Glucose Cotransporter 2 Inhibitor Tofogliflozin Combination Treatment Improved Histopathology in Experimental Mice Model of Non-Alcoholic Steatohepatitis. Cells, 2022, 11, 720.	4.1	13
583	Metastatic Tumor Cell-Specific FABP7 Promotes NSCLC Metastasis via Inhibiting \hat{I}^2 -Catenin Degradation. Cells, 2022, 11, 805.	4.1	3
584	<i>Fusobacterium nucleatum</i> 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
585	Circulating Mitochondrial DNA and Inter-Organelle Contact Sites in Aging and Associated Conditions. Cells, 2022, 11, 675.	4.1	6
586	CD36: an emerging therapeutic target for cancer and its molecular mechanisms. Journal of Cancer Research and Clinical Oncology, 2022, 148, 1551-1558.	2.5	29
587	Multiple Light-Activated Photodynamic Therapy of Tetraphenylethylene Derivative with AIE Characteristics for Hepatocellular Carcinoma via Dual-Organelles Targeting. Pharmaceutics, 2022, 14, 459.	4.5	9
588	Coronavirus Usurps the Autophagy-Lysosome Pathway and Induces Membranes Rearrangement for Infection and Pathogenesis. Frontiers in Microbiology, 2022, 13, 846543.	3.5	9

#	Article	IF	CITATIONS
589	SEED LIPID DROPLET PROTEIN1, SEED LIPID DROPLET PROTEIN2, and LIPID DROPLET PLASMA MEMBRANE ADAPTOR mediate lipid droplet–plasma membrane tethering. Plant Cell, 2022, 34, 2424-2448.	6.6	12
590	Hormone-sensitive lipase protects adipose triglyceride lipase-deficient mice from lethal lipotoxic cardiomyopathy. Journal of Lipid Research, 2022, 63, 100194.	4.2	5
591	Destabilization of Î ² Cell FIT2 by saturated fatty acids alter lipid droplet numbers and contribute to ER stress and diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2113074119.	7.1	15
592	Phenotypical Conversions of Dermal Adipocytes as Pathophysiological Steps in Inflammatory Cutaneous Disorders. International Journal of Molecular Sciences, 2022, 23, 3828.	4.1	4
593	Lipid metabolic reprogramming by hypoxia-inducible factor-1 in the hypoxic tumour microenvironment. Pflugers Archiv European Journal of Physiology, 2022, 474, 591-601.	2.8	9
594	A Novel Fluoro-Pyrazine-Bridged Donor-Accepter-Donor Fluorescent Probe for Lipid Droplet-Specific Imaging in Diverse Cells and Superoxide Anion Generation. Pharmaceutical Research, 2022, 39, 1205-1214.	3.5	2
595	Loss of RUBCN/rubicon in adipocytes mediates the upregulation of autophagy to promote the fasting response. Autophagy, 2022, 18, 2686-2696.	9.1	7
597	Qualitative and Quantitative Changes in Total Lipid Concentration and Lipid Fractions in Liver Tissue of Periparturient German Holstein Dairy Cows of Two Age Groups. Frontiers in Veterinary Science, 2022, 9, 814808.	2.2	1
598	Mitochondrial Implications in Cardiovascular Aging and Diseases: The Specific Role of Mitochondrial Dynamics and Shifts. International Journal of Molecular Sciences, 2022, 23, 2951.	4.1	3
599	Lipophagy at a glance. Journal of Cell Science, 2022, 135, .	2.0	21
600	Imaging Sub-Cellular Methionine and Insulin Interplay in Triple Negative Breast Cancer Lipid Droplet Metabolism. Frontiers in Oncology, 2022, 12, 858017.	2.8	13
601	<i>PALD</i> encoding a lipid dropletâ€essociated protein is critical for the accumulation of lipid droplets and pollen longevity in <i>Arabidopsis</i> . New Phytologist, 2022, 235, 204-219.	7.3	5
602	Lipid Homeostasis and Its Links With Protein Misfolding Diseases. Frontiers in Molecular Neuroscience, 2022, 15, 829291.	2.9	11
603	Recruitment of Peroxin 14 to lipid droplets affects lipid storage in <i>Drosophila</i> . Journal of Cell Science, 2022, 135, .	2.0	3
604	The Interplay Between TGF-β Signaling and Cell Metabolism. Frontiers in Cell and Developmental Biology, 2022, 10, 846723.	3.7	24
605	Significance of Altered Fatty Acid Transporter Expressions in Uterine Cervical Cancer and Its Precursor Lesions. Anticancer Research, 2022, 42, 2131-2137.	1.1	2
606	ApoE Cascade Hypothesis in the pathogenesis of Alzheimer's disease and related dementias. Neuron, 2022, 110, 1304-1317.	8.1	120
607	Molecular Shape Solution for Mesoscopic Remodeling of Cellular Membranes. Annual Review of Biophysics, 2022, 51, 473-497.	10.0	16

#	ARTICLE	IF	CITATIONS
608	DGAT2 Inhibition Potentiates Lipid Droplet Formation To Reduce Cytotoxicity in APOL1 Kidney Risk Variants. Journal of the American Society of Nephrology: JASN, 2022, 33, 889-907.	6.1	15
609	BODIPY 493 acts as a bright buffering fluorogenic probe for super-resolution imaging of lipid droplet dynamics. Chinese Chemical Letters, 2022, 33, 5042-5046.	9.0	24
610	The vesicular transporter STX11 governs ATGL-mediated hepatic lipolysis and lipophagy. IScience, 2022, 25, 104085.	4.1	7
611	Comparative transcriptome and Lipidome analyses suggest a lipid droplet-specific response to heat exposure of brown adipose tissue in normal and obese mice. Life Sciences, 2022, 299, 120540.	4.3	2
612	Highly Sensitive Two-Photon Lipid Droplet Tracker for <i>In Vivo</i> Screening of Drug Induced Liver Injury. ACS Sensors, 2022, 7, 1027-1035.	7.8	19
613	UCHL1 Regulates Lipid and Perilipin 2 Level in Skeletal Muscle. Frontiers in Physiology, 2022, 13, 855193.	2.8	2
614	Flazin as a Lipid Droplet Regulator against Lipid Disorders. Nutrients, 2022, 14, 1501.	4.1	7
615	Targeting mTOR in the Context of Diet and Whole-body Metabolism. Endocrinology, 2022, 163, .	2.8	4
616	Metabolic reservoir cycles in cancer. Seminars in Cancer Biology, 2022, 86, 180-188.	9.6	10
617	Seipin collaborates with the ER membrane to control the sites of lipid droplet formation. Current Opinion in Cell Biology, 2022, 75, 102070.	5.4	11
618	A Flexible Network of Lipid Droplet Associated Proteins Support Embryonic Integrity of C. elegans. Frontiers in Cell and Developmental Biology, 2022, 10, 856474.	3.7	3
619	MOSPD2 is an endoplasmic reticulum–lipid droplet tether functioning in LD homeostasis. Journal of Cell Biology, 2022, 221, .	5.2	13
620	Saponin-based adjuvant-induced dendritic cell cross-presentation is dependent on PERK activation. Cellular and Molecular Life Sciences, 2022, 79, 231.	5.4	9
621	A Potential Mechanism for Targeting Aggregates With Proteasomes and Disaggregases in Liquid Droplets. Frontiers in Aging Neuroscience, 2022, 14, 854380.	3.4	6
622	Microalgae as an alternative to oil crops for edible oils and animal feed. Algal Research, 2022, 64, 102663.	4.6	21
623	Exercise regulation of hepatic lipid droplet metabolism. Life Sciences, 2022, 298, 120522.	4.3	10
624	Cellular organelle-targeted smart AIEgens in tumor detection, imaging and therapeutics. Coordination Chemistry Reviews, 2022, 462, 214508.	18.8	10
625	A simple and efficient approach for the synthesis of cholesterol esters of long-chain saturated fatty acids by using Ph3PA·SO3 as a versatile organocatalyst. Steroids, 2022, 183, 109011.	1.8	2

#	Article	IF	CITATIONS
626	Rebaudioside A Enhances LDL Cholesterol Uptake in HepG2 Cells via Suppression of HMGCR Expression. Reports of Biochemistry and Molecular Biology, 2021, 10, 477-487.	1.4	4
627	Adipose Triglyceride Lipase in Hepatic Physiology and Pathophysiology. Biomolecules, 2022, 12, 57.	4.0	18
628	Caveolin-1 Regulates Cellular Metabolism: A Potential Therapeutic Target in Kidney Disease. Frontiers in Pharmacology, 2021, 12, 768100.	3.5	16
629	Probing the Biogenesis of Polysaccharide Granules in Algal Cells at Sub-Organellar Resolution via Raman Microscopy with Stable Isotope Labeling. Analytical Chemistry, 2021, 93, 16796-16803.	6.5	3
630	Lipid Droplets, Phospholipase A2, Arachidonic Acid, and Atherosclerosis. Biomedicines, 2021, 9, 1891.	3.2	15
631	TICT-Based Microenvironment-Sensitive Probe with Turn-on Red Emission for Human Serum Albumin Detection and for Targeting Lipid Droplet Imaging. ACS Biomaterials Science and Engineering, 2022, 8, 253-260.	5.2	9
632	Foam Cell Macrophages in Tuberculosis. Frontiers in Immunology, 2021, 12, 775326.	4.8	15
633	Lipid Droplets, the Central Hub Integrating Cell Metabolism and the Immune System. Frontiers in Physiology, 2021, 12, 746749.	2.8	21
634	Lipid droplet availability affects neural stem/progenitor cell metabolism and proliferation. Nature Communications, 2021, 12, 7362.	12.8	51
635	Rotavirus-Induced Lipid Droplet Biogenesis Is Critical for Virus Replication. Frontiers in Physiology, 2022, 13, 836870.	2.8	20
636	DGAT1 activity synchronises with mitophagy to protect cells from metabolic rewiring by iron  depletion. EMBO Journal, 2022, 41, e109390.	7.8	22
637	Recent progress in strategies for steroid production in yeasts. World Journal of Microbiology and Biotechnology, 2022, 38, 93.	3.6	3
639	Lipid Dyshomeostasis and Inherited Cerebellar Ataxia. Molecular Neurobiology, 2022, 59, 3800-3828.	4.0	1
640	The mammalian rhomboid protein RHBDL4 protects against endoplasmic reticulum stress by regulating the morphology and distribution of ER sheets. Journal of Biological Chemistry, 2022, 298, 101935.	3.4	5
641	Comparative transcriptomic and lipidomic analysis of oleic environment adaptation in Saccharomyces cerevisiae: insight into metabolic reprogramming and lipid membrane expansion. Systems Microbiology and Biomanufacturing, 2024, 4, 112-126.	2.9	4
642	Functions of Stress-Induced Lipid Droplets in the Nervous System. Frontiers in Cell and Developmental Biology, 2022, 10, 863907.	3.7	14
643	A 3,4-dimethoxy-1,8-naphthalimide for lipid droplet imaging in live and fixed cells. Sensors and Actuators B: Chemical, 2022, 365, 131921.	7.8	8
648		13.8	22

#	Article	IF	CITATIONS
649	Nuclear lipid droplets – how are they different from their cytoplasmic siblings?. Journal of Cell Science, 2022, 135, .	2.0	8
650	Adipose tissue–specific ablation of Ces1d causes metabolic dysregulation in mice. Life Science Alliance, 2022, 5, e202101209.	2.8	12
651	Non-autonomous regulation of neurogenesis by extrinsic cues: a <i>Drosophila</i> perspective. , 2022, 1, .		2
652	Macrophage Polarization in Atherosclerosis. Genes, 2022, 13, 756.	2.4	35
653	Lifespan Extension of Podospora anserina Mic60-Subcomplex Mutants Depends on Cardiolipin Remodeling. International Journal of Molecular Sciences, 2022, 23, 4741.	4.1	3
654	The GTP-Bound form of Rab3D Promotes Lipid Droplet Growth in Adipocyte. Molecular Biology, 0, , 1.	1.3	1
655	The ER-Mitochondria Interface as a Dynamic Hub for T Cell Efficacy in Solid Tumors. Frontiers in Cell and Developmental Biology, 2022, 10, 867341.	3.7	4
656	Targeting Selective Autophagy as a Therapeutic Strategy for Viral Infectious Diseases. Frontiers in Microbiology, 2022, 13, 889835.	3.5	9
657	Molecular Condensate in a Membrane: A Tugging Game between Hydrophobicity and Polarity with Its Biological Significance. Langmuir, 2022, 38, 5955-5962.	3.5	1
658	Septin 9 and phosphoinositides regulate lysosome localization and their association with lipid droplets. IScience, 2022, 25, 104288.	4.1	2
659	Biogenesis and Lipase-Mediated Mobilization of Lipid Droplets in Plants. Plants, 2022, 11, 1243.	3.5	10
660	Inâ€Sequence Highâ€Specificity Dualâ€Reporter Unlocking of Fluorescent Probe Enables the Precise Identification of Atherosclerotic Plaques. Angewandte Chemie, 0, , .	2.0	0
661	A negative-solvatochromic fluorescent probe for visualizing intracellular distributions of fatty acid metabolites. Nature Communications, 2022, 13, 2533.	12.8	22
662	Lipophilic neutral iridium(III) complexes for phosphorescence imaging of lipid droplets and potential photodynamic therapy. Dyes and Pigments, 2022, 203, 110387.	3.7	7
663	OsHSD2 interaction with and phosphorylation by OsCPK21 is essential for lipid metabolism during rice caryopsis development. Journal of Plant Physiology, 2022, 274, 153714.	3.5	0
664	Photophysical characterization and fluorescence cell imaging applications of 4- <i>N</i> -substituted benzothiadiazoles. RSC Advances, 2022, 12, 14544-14550.	3.6	3
665	m6A demethylase FTO promotes tumor progression via regulation of lipid metabolism in esophageal cancer. Cell and Bioscience, 2022, 12, 60.	4.8	21
666	Novel Insights on Lipid Metabolism Alterations in Drug Resistance in Cancer. Frontiers in Cell and Developmental Biology, 2022, 10, .	3.7	35

#	Article	IF	CITATIONS
667	Lipid droplet degradation by autophagy connects mitochondria metabolism to Prox1-driven expression of lymphatic genes and lymphangiogenesis. Nature Communications, 2022, 13, 2760.	12.8	19
668	Regulated targeting of the monotopic hairpin membrane protein Erg1 requires the GET pathway. Journal of Cell Biology, 2022, 221, .	5.2	4
669	Rotavirus exploits SREBP pathway for hyper lipid biogenesis during replication. Journal of General Virology, 2022, 103, .	2.9	1
670	Lipid. , 2022, , 3967-3975.		0
671	Pt(II) Complex Containing the 1 <i>R</i> ,2 <i>R</i> Enantiomer of <i>trans</i> -1,2-diamino-4-cyclohexene Ligand Effectively and Selectively Inhibits the Viability of Aggressive Pancreatic Adenocarcinoma Cells and Alters Their Lipid Metabolism. Inorganic Chemistry Frontiers, 0, , .	6.0	2
673	Finding intracellular lipid droplets from the single-cell biolens' signature in a holographic flow-cytometry assay. Biomedical Optics Express, 2022, 13, 5585.	2.9	6
674	Targeting lipid metabolism in the treatment of ovarian cancer. Oncotarget, 2022, 13, 768-783.	1.8	16
675	Plin2-mediated lipid droplet mobilization accelerates exit from pluripotency by lipidomic remodeling and histone acetylation. Cell Death and Differentiation, 2022, 29, 2316-2331.	11.2	18
676	A novel polarity-sensitive fluorescent probe for lighting up lipid droplets and its application in discriminating dead and living zebrafish. Dyes and Pigments, 2022, 204, 110433.	3.7	16
677	A Functional Fluorescence Conversion Probe for Dual-Color Visualization of Mitochondria and Lipid Droplets and Monitoring of So2 in Vivo. SSRN Electronic Journal, 0, , .	0.4	0
678	A lipid droplet-specific fluorescence probe for atherosclerotic plaque imaging. Analyst, The, 2022, 147, 3081-3086.	3.5	6
679	GCKIII kinases in lipotoxicity: Roles in NAFLD and beyond. Hepatology Communications, 2022, 6, 2613-2622.	4.3	4
680	Global Trends in Research of Lipid Metabolism in T lymphocytes From 1985 to 2022: A Bibliometric Analysis. Frontiers in Immunology, 2022, 13, .	4.8	11
681	Aggregation-induced emission (AIE)-Based nanocomposites for intracellular biological process monitoring and photodynamic therapy. Biomaterials, 2022, 287, 121603.	11.4	13
682	Editorial of Special Issue "Cytoplasmic Delivery of Bioactives― Pharmaceutical Research, 0, , .	3.5	0
683	Compartmentalization and transporter engineering strategies for terpenoid synthesis. Microbial Cell Factories, 2022, 21, .	4.0	22
684	Lipid metabolism and neutrophil function. Cellular Immunology, 2022, 377, 104546.	3.0	8
685	Metabolic Reprogramming and Lipophagy Mediates Survival of Ascites Derived Metastatic Ovarian Cancer Cells. Asian Pacific Journal of Cancer Prevention, 2022, 23, 1699-1709.	1.2	6

	CITATION RE	CITATION REPORT	
Article		IF	CITATIONS
Ginsenoside Compound K Protects against Obesity through Pharmacological Targeting Glucocorticoid Receptor to Activate Lipophagy and Lipid Metabolism. Pharmaceutics,	g of 2022, 14, 1192.	4.5	9
Lipophagy pathways in yeast are controlled by their distinct modes of induction. Yeast 429-439.	, 2022, 39,	1.7	3
The acylâ€CoAâ€binding protein Acb1 regulates mitochondria, lipid droplets, and cell Letters, 2022, 596, 1795-1808.	proliferation. FEBS	2.8	3
Development of a fluorescent nanoprobe based on an amphiphilic single-benzene-base for lipid droplet detection and its practical applications. Organic and Biomolecular Che 20, 5423-5433.	ed fluorophore mistry, 2022,	2.8	8
Nonalcoholic steatohepatitis and mechanisms by which it is ameliorated by activation transcription factor Nrf2. Free Radical Biology and Medicine, 2022, 188, 221-261.	of the CNC-bZIP	2.9	24
Frequency-specific sensitivity of 3T3-L1 preadipocytes to low-intensity vibratory stimu	us during	15	

690	Development of a fluorescent nanoprobe based on an amphiphilic single-benzene-based fluorophore for lipid droplet detection and its practical applications. Organic and Biomolecular Chemistry, 2022, 20, 5423-5433.	2.8	8
691	Nonalcoholic steatohepatitis and mechanisms by which it is ameliorated by activation of the CNC-bZIP transcription factor Nrf2. Free Radical Biology and Medicine, 2022, 188, 221-261.	2.9	24
693	Frequency-specific sensitivity of 3T3-L1 preadipocytes to low-intensity vibratory stimulus during adipogenesis. In Vitro Cellular and Developmental Biology - Animal, 2022, 58, 452-461.	1.5	1
694	Oleic Acid Protects Endothelial Cells from Silica-Coated Superparamagnetic Iron Oxide Nanoparticles (SPIONs)-Induced Oxidative Stress and Cell Death. International Journal of Molecular Sciences, 2022, 23, 6972.	4.1	6
695	Role of Seipin in Human Diseases and Experimental Animal Models. Biomolecules, 2022, 12, 840.	4.0	4
696	Active role of gliaâ€like supporting cells in the organ of Corti: Membrane proteins and their roles in hearing. Glia, 2022, 70, 1799-1825.	4.9	6
697	Chain flexibility of medicinal lipids determines their selective partitioning into lipid droplets. Nature Communications, 2022, 13, .	12.8	11
698	Insights Into the Biogenesis and Emerging Functions of Lipid Droplets From Unbiased Molecular Profiling Approaches. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	5
699	Ptpn1 deletion protects oval cells against lipoapoptosis by favoring lipid droplet formation and dynamics. Cell Death and Differentiation, 2022, 29, 2362-2380.	11.2	4
700	Polyunsaturated fatty acids promote the rapid fusion of lipid droplets in Caenorhabditis elegans. Journal of Biological Chemistry, 2022, 298, 102179.	3.4	5
702	The Antidepressant Sertraline Induces the Formation of Supersized Lipid Droplets in the Human Pathogen Cryptococcus neoformans. Journal of Fungi (Basel, Switzerland), 2022, 8, 642.	3.5	7
703	Monounsaturated Fatty Acids: Key Regulators of Cell Viability and Intracellular Signaling in Cancer. Molecular Cancer Research, 2022, 20, 1354-1364.	3.4	12
704	Caenorhabditis elegans deep lipidome profiling by using integrative mass spectrometry acquisitions reveals significantly altered lipid networks. Journal of Pharmaceutical Analysis, 2022, 12, 743-754.	5.3	4
705	Recent Advances of Fluorescence Probes for Imaging of Ferroptosis Process. Chemosensors, 2022, 10, 233.	3.6	14
706	A glycine-rich PE_PGRS protein governs mycobacterial actin-based motility. Nature Communications, 2022, 13, .	12.8	4

#

686
#	Article	IF	CITATIONS
707	The distinct phenotype of primary adipocytes and adipocytes derived from stem cells of white adipose tissue as assessed by Raman and fluorescence imaging. Cellular and Molecular Life Sciences, 2022, 79, .	5.4	4
708	Single Fluorescent Probe for Zero-Crosstalk Discrimination of Lipid Droplets and the Endoplasmic Reticulum Based on Reversible Cyclization Reaction. Analytical Chemistry, 2022, 94, 9158-9165.	6.5	8
709	Structure, function and small molecule modulation of intracellular sterol transport proteins. Bioorganic and Medicinal Chemistry, 2022, 68, 116856.	3.0	4
710	PLIN2 promotes HCC cells proliferation by inhibiting the degradation of HIF1α. Experimental Cell Research, 2022, 418, 113244.	2.6	5
711	Unraveling membrane properties at the organelle-level with LipidDyn. Computational and Structural Biotechnology Journal, 2022, 20, 3604-3614.	4.1	8
712	Squaraine probes for the bimodal staining of lipid droplets and endoplasmic reticulum imaging in live cells. Analyst, The, 2022, 147, 3570-3577.	3.5	6
713	Conserved mechanisms drive host-lipid access, import, and utilization in Mycobacterium tuberculosis and M.Âmarinum. , 2022, , 133-161.		4
714	Targeting fungal membrane homeostasis with imidazopyrazoindoles impairs azole resistance and biofilm formation. Nature Communications, 2022, 13, .	12.8	21
715	Lipid droplet dynamics in healthy and pyometra-affected canine endometrium. BMC Veterinary Research, 2022, 18, .	1.9	2
716	Cetacean epidermal specialization: A review. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 0, , .	0.7	1
718	Mitochondrial RNA modifications shape metabolic plasticity in metastasis. Nature, 2022, 607, 593-603.	27.8	102
720	Dynamic Cell Imaging: application to the diatom <i>Phaeodactylum tricornutum</i> under environmental stresses. European Journal of Phycology, 2023, 58, 145-155.	2.0	0
721	Interplay between Lipid Metabolism, Lipid Droplets, and DNA Virus Infections. Cells, 2022, 11, 2224.	4.1	18
724	Dynamic enlargement and mobilization of lipid droplets in pluripotent cells coordinate morphogenesis during mouse peri-implantation development. Nature Communications, 2022, 13, .	12.8	11
725	Yellow-Emitting Carbon Dots for Selective Fluorescence Imaging of Lipid Droplets in Living Cells. Langmuir, 2022, 38, 8829-8836.	3.5	8
727	Lipid metabolism and storage in neuroglia: role in brain development and neurodegenerative diseases. Cell and Bioscience, 2022, 12, .	4.8	31
728	Molecular to Supramolecular Self-Assembled Luminogens for Tracking the Intracellular Organelle Dynamics. ACS Applied Bio Materials, 2022, 5, 3623-3648.	4.6	7
729	Constructing D-ï€-A-ï€ dye to obtain red-emission fluorescent probe for structured illumination microscopy imaging of lipid droplet dynamics. Green Chemical Engineering, 2023, 4, 387-392.	6.3	2

#	Article	IF	CITATIONS
730	A photoactivatable theranostic probe for simultaneous oxidative stress-triggered multi-color cellular imaging and photodynamic therapy. Biomaterials, 2022, 287, 121680.	11.4	10
731	Intestine-enriched apolipoprotein b orthologs are required for stem cell progeny differentiation and regeneration in planarians. Nature Communications, 2022, 13, .	12.8	8
732	Production of cholesterol-like molecules impacts Escherichia coli robustness, production capacity, and vesicle trafficking. Metabolic Engineering, 2022, 73, 134-143.	7.0	5
733	Quantification of lipid droplets polarity for evaluating non-alcoholic fatty liver disease via fluorescence lifetime imaging. Sensors and Actuators B: Chemical, 2022, 369, 132267.	7.8	20
735	Oxidative Stress and Lipid Dysregulation in Lipid Droplets: A Connection to Chronic Kidney Disease Revealed in Human Kidney Cells. Antioxidants, 2022, 11, 1387.	5.1	8
736	Real-time monitoring viscosity changes in lipid droplets in response to ER stress via a viscosity-sensitive ruthenium (II) fluorescent probe. Sensors and Actuators B: Chemical, 2022, 370, 132403.	7.8	6
737	Preparation of oxime compound lipid droplet-specifically labeled fluorescent probe and its application in cell imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 281, 121648.	3.9	5
738	A water-soluble polymer fluorescent probe <i>via</i> RAFT polymerization for dynamic monitoring of cellular lipid droplet levels and zebrafish imaging. New Journal of Chemistry, 2022, 46, 16539-16546.	2.8	4
739	A review of optoelectrowetting (OEW): from fundamentals to lab-on-a-smartphone (LOS) applications to environmental sensors. Lab on A Chip, 2022, 22, 3987-4006.	6.0	10
740	Neuroprotective and Anti-Inflammatory Effects of Linoleic Acid in Models of Parkinson's Disease: The Implication of Lipid Droplets and Lipophagy. Cells, 2022, 11, 2297.	4.1	15
741	Lens Nucleation and Droplet Budding in a Membrane Model for Lipid Droplet Biogenesis. Langmuir, 2022, 38, 9247-9256.	3.5	5
742	Structure Rigidification Promoted Ultrabright Solvatochromic Fluorescent Probes for Super-Resolution Imaging of Cytosolic and Nuclear Lipid Droplets. Analytical Chemistry, 2022, 94, 10676-10684.	6.5	24
743	Identification of Lipid Droplets in Gut Bacteria. Protein and Cell, O, , .	11.0	1
745	Targeting ferroptosis in ischemia/reperfusion renal injury. Naunyn-Schmiedeberg's Archives of Pharmacology, 2022, 395, 1331-1341.	3.0	12
746	Lipid Metabolism in Glioblastoma: From De Novo Synthesis to Storage. Biomedicines, 2022, 10, 1943.	3.2	19
747	Topology-driven surface patterning of liquid spheres. Nature Physics, O, , .	16.7	4
748	ORP5 and ORP8 orchestrate lipid droplet biogenesis and maintenance at ER–mitochondria contact sites. Journal of Cell Biology, 2022, 221, .	5.2	26
749	How to follow lipid droplets dynamics during adipocyte metabolism. Journal of Cellular Physiology, 0, , .	4.1	2

#	Article	IF	CITATIONS
750	Highly Efficient Red/NIR-Emissive Fluorescent Probe with Polarity-Sensitive Character for Visualizing Cellular Lipid Droplets and Determining Their Polarity. Analytical Chemistry, 2022, 94, 12095-12102.	6.5	27
752	RIPK3 dampens mitochondrial bioenergetics and lipid droplet dynamics in metabolic liver disease. Hepatology, 2023, 77, 1319-1334.	7.3	9
753	Metabolic targeting of malignant tumors: a need for systemic approach. Journal of Cancer Research and Clinical Oncology, 2023, 149, 2115-2138.	2.5	2
754	Bioinformatics analysis identified apolipoprotein E as a hub gene regulating neuroinflammation in macrophages and microglia following spinal cord injury. Frontiers in Immunology, 0, 13, .	4.8	7
756	ARP2/3 Regulates Fatty Acid Synthesis by Modulating Lipid Droplets' Motility. International Journal of Molecular Sciences, 2022, 23, 8730.	4.1	2
757	Endoplasmic Reticulum Architecture and Inter-Organelle Communication in Metabolic Health and Disease. Cold Spring Harbor Perspectives in Biology, 2023, 15, a041261.	5.5	9
759	Metabolic Pathways as a Novel Landscape in Pancreatic Ductal Adenocarcinoma. Cancers, 2022, 14, 3799.	3.7	2
760	Lipids in cancer: a global view of the contribution of lipid pathways to metastatic formation and treatment resistance. Oncogenesis, 2022, 11, .	4.9	42
762	Lipidomic comparison of 2D and 3D colon cancer cell culture models. Journal of Mass Spectrometry, 2022, 57, .	1.6	10
764	Ramelteon Reduces Oxidative Stress by Maintenance of Lipid Homeostasis in Porcine Oocytes. Antioxidants, 2022, 11, 1640.	5.1	1
765	The adipocyte supersystem of insulin and cAMP signaling. Trends in Cell Biology, 2023, 33, 340-354.	7.9	15
766	3D imaging lipidometry in single cell by in-flow holographic tomography. Opto-Electronic Advances, 2023, 6, 220048-220048.	13.3	14
767	TGF-β signaling in the tumor metabolic microenvironment and targeted therapies. Journal of Hematology and Oncology, 2022, 15, .	17.0	35
769	MicroRNA: A Linking between Astrocyte Dysfunction, Mild Cognitive Impairment, and Neurodegenerative Diseases. Life, 2022, 12, 1439.	2.4	6
770	Lipid metabolism in pancreatic cancer: emerging roles and potential targets. Cancer Communications, 2022, 42, 1234-1256.	9.2	21
772	Perilipin-2 limits remyelination by preventing lipid droplet degradation. Cellular and Molecular Life Sciences, 2022, 79, .	5.4	9
773	Chenodeoxycholic acid suppresses AML progression through promoting lipid peroxidation via ROS/p38 MAPK/DGAT1 pathway and inhibiting M2 macrophage polarization. Redox Biology, 2022, 56, 102452.	9.0	28
774	Cholesterol-induced robust Ca oscillation in astrocytes required for survival and lipid droplet formation in high-cholesterol condition. IScience, 2022, 25, 105138.	4.1	3

#	Article	IF	CITATIONS
775	Sex-biased proteomic response to tomato spotted wilt virus infection of the salivary glands of Frankliniella occidentalis, the western flower thrips. Insect Biochemistry and Molecular Biology, 2022, 149, 103843.	2.7	4
776	Changes in carbon allocation and subplastidal amyloplast structures of specialised Ipomoea batatas (sweet potato) storage root phenotypes. Phytochemistry, 2022, 203, 113409.	2.9	3
777	The role of fatty acids metabolism on cancer progression and therapeutics development. , 2023, , 101-132.		0
778	Membrane lipid compositions and their difference between subcellular structures. , 2023, , 7-26.		0
779	An imidazole-derived polarity sensitive probe for lipid droplet target and in vivo tumor imaging. Talanta, 2023, 252, 123903.	5.5	9
780	A multifunctional fluorescent probe for dual-color visualization of intracellular mitochondria and lipid droplets and monitoring of SO2 in vivo. Chemical Engineering Journal, 2023, 451, 139023.	12.7	21
781	Macrophage Class A Scavenger Receptors $\hat{a} \in \hat{A}$ Functional Perspective. , 2022, , .		0
782	VPS13A and VPS13C Influence Lipid Droplet Abundance. Contact (Thousand Oaks (Ventura County, Calif) Tj ETQ	q110.78	43 ₈ 14 rgBT /0
783	Recent advances in small-molecule fluorescent probes for studying ferroptosis. Chemical Society Reviews, 2022, 51, 7752-7778.	38.1	47
784	A ferroptosis-associated IncRNAs signature predicts the prognosis of hepatocellular carcinoma. Medicine (United States), 2022, 101, e29546.	1.0	3
785	Synergistic effect of standardized extract of Asparagus officinalis stem and heat shock on progesterone synthesis with lipid droplets and mitochondrial function in bovine granulosa cells. Journal of Steroid Biochemistry and Molecular Biology, 2023, 225, 106181.	2.5	3
787	Bacterial diet modulates tamoxifen-induced death via host fatty acid metabolism. Nature Communications, 2022, 13, .	12.8	6
788	Triglyceride lipolysis triggers liquid crystalline phases in lipid droplets and alters the LD proteome. Journal of Cell Biology, 2022, 221, .	5.2	14
790	Hepatocytes Deficient in Nuclear Envelope Protein Lamina-associated Polypeptide 1 are an Ideal Mammalian System to Study Intranuclear Lipid Droplets. Journal of Lipid Research, 2022, 63, 100277.	4.2	2
791	Counterions under a Surface-Adsorbed Cationic Surfactant Monolayer: Structure and Thermodynamics. Langmuir, 0, , .	3.5	3
792	PI(3)P and DFCP1 regulate the biogenesis of lipid droplets. Molecular Biology of the Cell, 2022, 33, .	2.1	5
793	Chameleonâ€Like Fluorescent Probe for Monitoring Interplays between Three Organelles and Reporting Cell Damage Processes through Dramatic Color Change. Small, 2022, 18, .	10.0	15
794	Approaches to Measuring the Activity of Major Lipolytic and Lipogenic Enzymes In Vitro and Ex Vivo. International Journal of Molecular Sciences, 2022, 23, 11093.	4.1	2

#	Article	IF	CITATIONS
795	Genome-Wide Characterization and Expression Analysis of Fatty acid Desaturase Gene Family in Poplar. International Journal of Molecular Sciences, 2022, 23, 11109.	4.1	4
796	Identification of two pathways mediating protein targeting from ER to lipid droplets. Nature Cell Biology, 2022, 24, 1364-1377.	10.3	29
798	Knockdown of hepatocyte Perilipin-3 mitigates hepatic steatosis and steatohepatitis caused by hepatocyte CGI-58 deletion in mice. Journal of Molecular Cell Biology, 2022, 14, .	3.3	3
799	Emerging Roles of Lipophagy in Cancer Metastasis. Cancers, 2022, 14, 4526.	3.7	1
802	In vivo metabolic imaging identifies lipid vulnerability in a preclinical model of Her2+/Neu breast cancer residual disease and recurrence. Npj Breast Cancer, 2022, 8, .	5.2	3
803	Upstream lipid and metabolic systems are potential causes of Alzheimer's disease, Parkinson's disease and dementias. FEBS Journal, 2024, 291, 632-645.	4.7	8
805	Intracellular trafficking of fatty acids in the fish intestinal epithelial cell line RTgutGC. Frontiers in Marine Science, 0, 9, .	2.5	1
806	Artificial Nanolipid Droplets with Monolayer Lecithin Membranes and Vitamin E Cores as Vaccine Adjuvants. ACS Applied Nano Materials, 2022, 5, 15011-15020.	5.0	0
807	Solvatochromic Two-Photon Fluorescent Probe Enables <i>In Situ</i> Lipid Droplet Multidynamics Tracking for Nonalcoholic Fatty Liver and Inflammation Diagnoses. Analytical Chemistry, 2022, 94, 13396-13403.	6.5	19
808	Ultrafast Widefield Mid-Infrared Photothermal Heterodyne Imaging. Analytical Chemistry, 2022, 94, 14242-14250.	6.5	16
809	Spartin: At the crossroad between ubiquitination and metabolism in cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2022, 1877, 188813.	7.4	1
810	Iron regulatory protein (IRP)–mediated iron homeostasis is critical for neutrophil development and differentiation in the bone marrow. Science Advances, 2022, 8, .	10.3	23
811	Liposomes trigger bone marrow niche macrophage "foam―cell formation and affect hematopoiesis in mice. Journal of Lipid Research, 2022, 63, 100273.	4.2	1
812	Causative links between ER stress and oxidative damage in a yeast model of human N88S seipinopathy. Free Radical Biology and Medicine, 2022, 192, 165-181.	2.9	3
813	Lipid Droplets: A Cellular Organelle Vital for Thermogenesis. International Journal of Biological Sciences, 2022, 18, 6176-6188.	6.4	4
814	Lipid droplet formation and dynamics: tracking by time-resolved fluorescence imaging. Materials Chemistry Frontiers, 2022, 6, 3691-3697.	5.9	4
815	A multi-modal probe for trace water and simultaneous monitoring lipid droplets and lysosomes. Organic and Biomolecular Chemistry, 0, , .	2.8	3
816	Targeted protein degradation using the lysosomal pathway. RSC Medicinal Chemistry, 2022, 13, 1476-1494.	3.9	4

#	Article	IF	CITATIONS
817	Adding fuel to the fire: The lipid droplet and its associated proteins in cancer progression. International Journal of Biological Sciences, 2022, 18, 6020-6034.	6.4	10
818	Mitoguardin-2–mediated lipid transfer preserves mitochondrial morphology and lipid droplet formation. Journal of Cell Biology, 2022, 221, .	5.2	15
820	Druggable Metabolic Vulnerabilities Are Exposed and Masked during Progression to Castration Resistant Prostate Cancer. Biomolecules, 2022, 12, 1590.	4.0	6
821	The Contribution of Lipotoxicity to Diabetic Kidney Disease. Cells, 2022, 11, 3236.	4.1	14
822	Depletion of COPI in cancer cells: the role of reactive oxygen species in the induction of lipid accumulation, noncanonical lipophagy and apoptosis. Molecular Biology of the Cell, 2022, 33, .	2.1	5
823	Sterylglucosides in Fungi. Journal of Fungi (Basel, Switzerland), 2022, 8, 1130.	3.5	0
824	Lipid Droplets and Their Participation in Zika Virus Infection. International Journal of Molecular Sciences, 2022, 23, 12584.	4.1	5
825	Heterogeneity of glioblastoma stem cells in the context of the immune microenvironment and geospatial organization. Frontiers in Oncology, 0, 12, .	2.8	8
826	The mechanisms and roles of selective autophagy in mammals. Nature Reviews Molecular Cell Biology, 2023, 24, 167-185.	37.0	181
827	A Model of Lipid Monolayer–Bilayer Fusion of Lipid Droplets and Peroxisomes. Membranes, 2022, 12, 992.	3.0	3
828	Targeting Emerging Pathogenic Mechanisms by Natural Molecules as Potential Therapeutics for Neurodegenerative Diseases. Pharmaceutics, 2022, 14, 2287.	4.5	2
829	Litchi flower essential oil balanced lipid metabolism through the regulation of DAF-2/IIS, MDT-15/SBP-1, and MDT-15/NHR-49 pathway. Frontiers in Nutrition, 0, 9, .	3.7	1
830	Metabolic recycling of storage lipids promotes squalene biosynthesis in yeast. , 2022, 15, .		5
831	Lipid droplets go through a (liquid crystalline) phase. Journal of Cell Biology, 2022, 221, .	5.2	2
832	HDL AND ITS SUBPOPULATION (HDL2 AND HDL3) PROMOTE CHOLESTEROL TRANSPORTERS EXPRESSION AND ATTENUATES INFLAMMATION IN 3T3-L1 MATURE ADIPOCYTES INDUCED BY TUMOR NECROSIS FACTOR ALPHA. , 2022, 51, 153-167.		0
833	Lipid droplet turnover at the lysosome inhibits growth of hepatocellular carcinoma in a BNIP3-dependent manner. Science Advances, 2022, 8, .	10.3	15
834	PLTP is a p53 target gene with roles in cancer growth suppression and ferroptosis. Journal of Biological Chemistry, 2022, 298, 102637.	3.4	12
836	<i>In Vivo</i> Simultaneous Imaging of Plasma Membrane and Lipid Droplets in Hepatic Steatosis using Red-Emissive Two-Photon Probes. Analytical Chemistry, 2022, 94, 15100-15107.	6.5	7

#	Article	IF	CITATIONS
838	Lipid Droplets in Lung Cancers Are Crucial for the Cell Growth and Starvation Survival. International Journal of Molecular Sciences, 2022, 23, 12533.	4.1	7
839	Imaging of lipid droplets using coumarin fluorophores in live cells and C. elegans. Journal of Photochemistry and Photobiology B: Biology, 2022, 237, 112589.	3.8	3
840	Self-amplified ROS production from fatty acid oxidation enhanced tumor immunotherapy by atorvastatin/PD-L1 siRNA lipopeptide nanoplexes. Biomaterials, 2022, 291, 121902.	11.4	9
841	Intestinal microbiota in the treatment of metabolically associated fatty liver disease. World Journal of Clinical Cases, 0, 10, 11240-11251.	0.8	2
843	Xanthene-based polarity-sensitive fluorescent probe with large Stokes shifts for simultaneous two-color visualizing of lipid droplets and lysosomes. Dyes and Pigments, 2023, 208, 110874.	3.7	4
844	Aggregation-induced emission fluorescent probes for lipid droplets-specific bioimaging of cells and atherosclerosis plaques. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2023, 286, 122017.	3.9	5
845	Phospholipids diffusion on the surface of model lipid droplets. Biochimica Et Biophysica Acta - Biomembranes, 2023, 1865, 184074.	2.6	1
847	Label-free third harmonic generation imaging and quantification of lipid droplets in live filamentous fungi. Scientific Reports, 2022, 12, .	3.3	4
848	Active reconfiguration of cytoplasmic lipid droplets governs migration of nutrient-limited phytoplankton. Science Advances, 2022, 8, .	10.3	4
849	Fat storage-inducing transmembrane proteins: beyond mediating lipid droplet formation. Cellular and Molecular Biology Letters, 2022, 27, .	7.0	1
850	Donor–Acceptor–Acceptor-Conjugated Dual-State Emissive Acrylonitriles: Investigating the Effect of Acceptor Unit Order and Biological Imaging. Organic Letters, 2022, 24, 8305-8309.	4.6	8
851	PDZD8-deficient mice accumulate cholesteryl esters in the brain as a result of impaired lipophagy. IScience, 2022, 25, 105612.	4.1	3
852	Glycolytic flux control by drugging phosphoglycolate phosphatase. Nature Communications, 2022, 13,	12.8	3
853	Targeting lipid metabolism for ferroptotic cancer therapy. Apoptosis: an International Journal on Programmed Cell Death, 2023, 28, 81-107.	4.9	8
854	Synthesis and application of visual AIE fluorescent probe for lipid droplets in vivo. Dyes and Pigments, 2023, 209, 110946.	3.7	2
856	Macrophage-, Dendritic-, Smooth Muscle-, Endothelium-, and Stem Cells-Derived Foam Cells in Atherosclerosis. International Journal of Molecular Sciences, 2022, 23, 14154.	4.1	3
857	Autophagic Clearance of Lipid Droplets Alters Metabolic Phenotypes in a Genetic Obesity–Diabetes Mouse Model. Phenomics, 2023, 3, 119-129.	2.9	4
858	Exploiting directed self-assembly and disassembly for off-to-on fluorescence responsive live cell imaging. RSC Advances, 2022, 12, 35655-35665.	3.6	4

#	Article	IF	CITATIONS
859	Design strategies and applications of smart optical probes in the second near-infrared window. Advanced Drug Delivery Reviews, 2023, 192, 114637.	13.7	13
860	Near-infrared light activated photosensitizer with specific imaging of lipid droplets enables two-photon excited photodynamic therapy. Journal of Materials Chemistry B, 2023, 11, 1213-1221.	5.8	5
861	Action of BjussuMP-II, a snake venom metalloproteinase isolated from Bothrops jararacussu venom, on human neutrophils. Toxicon, 2023, 222, 106992.	1.6	2
862	A new organic molecular probe as a powerful tool for fluorescence imaging and biological study of lipid droplets. Theranostics, 2023, 13, 95-105.	10.0	13
863	AKR1C3-dependent lipid droplet formation confers hepatocellular carcinoma cell adaptability to targeted therapy. Theranostics, 2022, 12, 7681-7698.	10.0	11
864	Advances in small molecule two-photon fluorescent trackers for lipid droplets in live sample imaging. Frontiers in Chemistry, 0, 10, .	3.6	4
865	Retinoic acid-induced 1 gene haploinsufficiency alters lipid metabolism and causes autophagy defects in Smith-Magenis syndrome. Cell Death and Disease, 2022, 13, .	6.3	3
866	Monitoring diacylglycerols in biofluids by non-isotopically paired charge derivatization combined with LC-MS/MS. Frontiers in Chemistry, 0, 10, .	3.6	0
867	ZBTB18 inhibits SREBP-dependent lipid synthesis by halting CTBPs and LSD1 activity in glioblastoma. Life Science Alliance, 2023, 6, e202201400.	2.8	2
868	Moderate Treadmill Exercise Alleviates NAFLD by Regulating the Biogenesis and Autophagy of Lipid Droplet. Nutrients, 2022, 14, 4910.	4.1	9
869	Editorial: Cell compartments and intracellular trafficking of lipids and proteins: Impact on biomedicine. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	0
871	Lipid Droplets: Packing Hydrophobic Molecules Within the Aqueous Cytoplasm. Annual Review of Plant Biology, 2023, 74, 195-223.	18.7	20
872	Unraveling Molecular Assembly and Tracking Lipid Droplet Dynamics Using Fluorescent Phenanthroimidazole Derivatives. , 2023, 5, 27-35.		7
873	LipidOA: A Machine-Learning and Prior-Knowledge-Based Tool for Structural Annotation of Glycerophospholipids. Analytical Chemistry, 2022, 94, 16759-16767.	6.5	6
874	Paraoxonase-2 contributes to promoting lipid metabolism and mitochondrial function via autophagy activation. Scientific Reports, 2022, 12, .	3.3	7
875	CLSTN3Î ² enforces adipocyte multilocularity to facilitate lipid utilization. Nature, 2023, 613, 160-168.	27.8	18
876	A review on the role of fatty acids in colorectal cancer progression. Frontiers in Pharmacology, 0, 13, .	3.5	7
877	Interfering with lipid metabolism through targeting CES1 sensitizes hepatocellular carcinoma for chemotherapy. JCI Insight, 2023, 8, .	5.0	6

#	Article	IF	CITATIONS
878	Engineering inducible biomolecular assemblies for genome imaging and manipulation in living cells. Nature Communications, 2022, 13, .	12.8	6
879	Parkin regulates neuronal lipid homeostasis through SREBP2-lipoprotein lipase pathway—implications for Parkinson's disease. Human Molecular Genetics, 0, , .	2.9	2
880	A novel sulfur dioxide probe inhibits high glucose-induced endothelial cell senescence. Frontiers in Physiology, 0, 13, .	2.8	1
881	Fats in Human Milk: 2022 Updates on Chemical Composition. , 2022, 1, 384-396.		1
882	Atypical <i>Legionella</i> GTPase effector hijacks host vesicular transport factor p115 to regulate host lipid droplet. Science Advances, 2022, 8, .	10.3	4
883	Grass Carp Reovirus Induces Formation of Lipid Droplets as Sites for Its Replication and Assembly. MBio, 2022, 13, .	4.1	4
884	Lipid Metabolism Heterogeneity and Crosstalk with Mitochondria Functions Drive Breast Cancer Progression and Drug Resistance. Cancers, 2022, 14, 6267.	3.7	6
885	d-Limonene inhibits the occurrence and progression of LUAD through suppressing lipid droplet accumulation induced by PM2.5 exposure in vivo and in vitro. Respiratory Research, 2022, 23, .	3.6	2
886	High-Fat Diet–Induced DeSUMOylation of E4BP4 Promotes Lipid Droplet Biogenesis and Liver Steatosis in Mice. Diabetes, 2023, 72, 348-361.	0.6	2
887	Biosynthesis of Hybrid Neutral Lipids with Archaeal and Eukaryotic Characteristics in Engineered <i>Saccharomyces cerevisiae</i> . Angewandte Chemie, 2023, 135, .	2.0	0
888	Lipid droplets and ferroptosis as new players in brain cancer glioblastoma progression and therapeutic resistance. Frontiers in Oncology, 0, 12, .	2.8	10
889	"Ferroptosis, acyl starvation and breast cancer. Molecular Pharmacology, 0, , MOLPHARM-MR-2022-000607.	2.3	1
890	Advancing targeted protein degradation for metabolic diseases therapy. Pharmacological Research, 2023, 188, 106627.	7.1	13
891	The Colden Touch by Light: A Finely Engineered Luminogen Empowering High Photoactivatable and Photodynamic Efficiency for Cancer Phototheranostics. Advanced Functional Materials, 2023, 33, .	14.9	12
892	Fusion of Peroxisome and Lipid Droplet Membranes: Expansion of a π-Shaped Structure. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2022, 16, 356-367.	0.6	0
894	Plasma-Like Culture Medium for the Study of Viruses. MBio, 0, , .	4.1	1
895	Biosynthesis of Hybrid Neutral Lipids with Archaeal and Eukaryotic Characteristics in Engineered <i>Saccharomyces cerevisiae</i> . Angewandte Chemie - International Edition, 2023, 62, .	13.8	2
896	Cellular cholesterol licenses Legionella pneumophila intracellular replication in macrophages. Microbial Cell, 2023, 10, 1-17.	3.2	6

#	Article	IF	CITATIONS
897	Dysregulation of Lipid Droplet Protein Expression in Adipose Tissues and Association with Metabolic Risk Factors in Adult Females with Obesity and Type 2 Diabetes. Journal of Nutrition, 2023, 153, 691-702.	2.9	3
898	Features of functional activity of lipidome in Sus scrofa domesticus oocytes after intraovarian vitrification. , 2023, 227, 62-72.	0.4	2
899	Targeting fatty acid metabolism in glioblastoma. Journal of Clinical Investigation, 2023, 133, .	8.2	20
900	Activation of β-Adrenoceptors Promotes Lipid Droplet Accumulation in MCF-7 Breast Cancer Cells via cAMP/PKA/EPAC Pathways. International Journal of Molecular Sciences, 2023, 24, 767.	4.1	4
901	An antisteatosis response regulated by oleic acid through lipid droplet–mediated ERAD enhancement. Science Advances, 2023, 9, .	10.3	10
903	A Robust Phenotypic Screening Assay Utilizing Human Podocytes to Identify Agents that Modulate Lipid Droplets. Methods in Molecular Biology, 2023, , 163-174.	0.9	0
904	Susceptibility of Fat Tissue to SARS-CoV-2 Infection in Female hACE2 Mouse Model. International Journal of Molecular Sciences, 2023, 24, 1314.	4.1	5
905	Modulation of gut microbiota and lipid metabolism in rats fed high-fat diets by Ganoderma lucidum triterpenoids. Current Research in Food Science, 2023, 6, 100427.	5.8	7
906	The Effect of Dietary Phospholipids on the Ultrastructure and Function of Intestinal Epithelial Cells. International Journal of Molecular Sciences, 2023, 24, 1788.	4.1	2
907	A TREM2-activating antibody with a blood–brain barrier transport vehicle enhances microglial metabolism in Alzheimer's disease models. Nature Neuroscience, 0, , .	14.8	18
908	BETi enhance ATGL expression and its lipase activity to exert their antitumoral effects in triple-negative breast cancer (TNBC) cells. Journal of Experimental and Clinical Cancer Research, 2023, 42, .	8.6	3
909	<i>In Vivo</i> Fluorescence Imagingâ€Guided Development of Nearâ€Infrared AIEgens. Chemistry - an Asian Journal, 2023, 18, .	3.3	4
910	Autophagy impairment is involved in midazolam-induced lipid droplet accumulation and consequent phagocytosis decrease in BV2 cells. Biochemical and Biophysical Research Communications, 2023, 643, 147-156.	2.1	0
911	Organic AIE material based on D-ï€-A for detecting lipid droplets in living cells and its application in photodynamic therapy. Dyes and Pigments, 2023, 211, 111096.	3.7	1
912	Evaluation of 1,2-diacyl-3-acetyl triacylglycerol production in Yarrowia lipolytica. Metabolic Engineering, 2023, 76, 18-28.	7.0	2
913	Multimode evaluating the fluctuation of lipid droplets polarity in acute kidney injury and tumor models. Sensors and Actuators B: Chemical, 2023, 380, 133343.	7.8	4
914	Lipid droplet synthesis is associated with angiogenesis in mouse ovarian follicles. Biology of Reproduction, 0, , .	2.7	1
915	Staged suppression of microglial autophagy facilitates regeneration in CNS demyelination by enhancing the production of linoleic acid. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	8

#	Article	IF	CITATIONS
916	Multiomics Approach Captures Hepatic Metabolic Network Altered by Chronic Ethanol Administration. Biology, 2023, 12, 28.	2.8	2
917	Lipedema Research—Quo Vadis?. Journal of Personalized Medicine, 2023, 13, 98.	2.5	3
918	Glycine regulates lipid peroxidation promoting porcine oocyte maturation and early embryonic development. Journal of Animal Science, 2023, 101, .	0.5	6
919	Intramuscular lipid utilization during exercise: a systematic review, meta-analysis, and meta-regression. Journal of Applied Physiology, 2023, 134, 581-592.	2.5	5
920	Bilayer-Embedded Lipid Droplets Coated with Perilipin-2 Display a Pancake Shape. International Journal of Molecular Sciences, 2023, 24, 2072.	4.1	2
921	Green methods for extraction of biomolecules. , 2023, , 309-328.		0
923	Mitochondrial remodelling is essential for female germ cell differentiation and survival. PLoS Genetics, 2023, 19, e1010610.	3.5	3
924	Harnessing Cellular Organelles to Bring New Functionalities into Yeast. Biotechnology and Bioprocess Engineering, 2023, 28, 936-948.	2.6	0
925	Nutritional lipidomics for the characterization of lipids in food. Advances in Food and Nutrition Research, 2023, , .	3.0	0
926	Super-resolution imaging of non-fluorescent molecules by photothermal relaxation localization microscopy. Nature Photonics, 2023, 17, 330-337.	31.4	25
927	Hepatitis C Virus-Lipid Interplay: Pathogenesis and Clinical Impact. Biomedicines, 2023, 11, 271.	3.2	3
928	The role of ApoE-mediated microglial lipid metabolism in brain aging and disease. Immunometabolism, 2023, 5, e00018.	1.6	2
929	Solid-state NMR molecular snapshots of <i>Aspergillus fumigatus</i> cell wall architecture during a conidial morphotype transition. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	10
930	Lipid droplets and polyunsaturated fatty acid trafficking: Balancing life and death. Frontiers in Cell and Developmental Biology, 0, 11, .	3.7	17
931	Two-photon imaging for visualizing polarity in lipid droplets during chemotherapy induced Ferroptosis. Talanta, 2023, 256, 124304.	5.5	9
932	Gemfibrozil-Induced Intracellular Triglyceride Increase in SH-SY5Y, HEK and Calu-3 Cells. International Journal of Molecular Sciences, 2023, 24, 2972.	4.1	1
933	Blue-emitting lipid droplet probes based on coumarin dye for multi-color imaging of living cells and fatty livers of mice. Journal of Photochemistry and Photobiology A: Chemistry, 2023, 438, 114562.	3.9	0
934	A red-emitting thiophene-modified BODIPY probe for fluorescence lifetime-based polarity imaging of lipid droplets in living cells. Journal of Materials Chemistry B, 2023, 11, 3919-3928.	5.8	3

#	Article	IF	CITATIONS
935	Comprehensive Analysis of Mitochondrial Dynamics Alterations in Heart Diseases. International Journal of Molecular Sciences, 2023, 24, 3414.	4.1	7
936	Cellular communication through extracellular vesicles and lipid droplets. , 2023, 2, .		7
938	Stearoyl-CoA desaturase 1 deficiency exacerbates palmitate-induced lipotoxicity by the formation of small lipid droplets in pancreatic β-cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2023, 1869, 166711.	3.8	1
939	The role of lipotoxicity in kidney disease: From molecular mechanisms to therapeutic prospects. Biomedicine and Pharmacotherapy, 2023, 161, 114465.	5.6	4
940	Multimodal study of CHI3L1 inhibition and its effect on angiogenesis, migration, immune response and refractive index of cellular structures in glioblastoma. Biomedicine and Pharmacotherapy, 2023, 161, 114520.	5.6	1
941	Basal re-esterification finetunes mitochondrial fatty acid utilization. Molecular Metabolism, 2023, 71, 101701.	6.5	8
942	Regulation of proliferation, apoptosis, hormone secretion and gene expression by acetyl-L-carnitine in yak (Bos grunniens) granulosa cells. Theriogenology, 2023, 203, 61-68.	2.1	7
943	Super-resolution dynamic tracking of cellular lipid droplets employing with a photostable deep red fluorogenic probe. Biosensors and Bioelectronics, 2023, 229, 115243.	10.1	11
944	An advanced organic molecular probe for multimodal fluorescence imaging of cellular lipid droplets. Sensors and Actuators B: Chemical, 2023, 387, 133772.	7.8	5
945	Imaging changes in the polarity of lipid droplets during NAFLD-Induced ferroptosis via a red-emitting fluorescent probe with a large Stokes shift. Biosensors and Bioelectronics, 2023, 231, 115289.	10.1	12
946	Adipocytes in obesity: A perfect reservoir for SARS-CoV-2?. Medical Hypotheses, 2023, 171, 111020.	1.5	1
947	Long-term in-situ real-time fluorescence imaging of lipid droplets during cell ferroptosis process enabled by an epindolidione-based fluorescent probe. Sensors and Actuators B: Chemical, 2023, 381, 133438.	7.8	6
948	Global Trends of Lipid Metabolism Research in Epigenetics Field: A Bibliometric Analysis from 2012–2021. International Journal of Environmental Research and Public Health, 2023, 20, 2382.	2.6	2
949	Engineering hydrophilic/hydrophobic moieties of ratiometric fluorescence probe to visualize whole cytoplasmic polarity. Chemical Engineering Journal, 2023, 459, 141651.	12.7	4
950	TRPV1 regulates ApoE4-disrupted intracellular lipid homeostasis and decreases synaptic phagocytosis by microglia. Experimental and Molecular Medicine, 2023, 55, 347-363.	7.7	7
951	Noncanonical atherosclerosis as the driving force in tricuspid aortic valve associated aneurysms - A trace collection. Journal of Lipid Research, 2023, 64, 100338.	4.2	3
952	Identifying STEDable BF2-Azadipyrromethene Fluorophores. Molecules, 2023, 28, 1415.	3.8	0
954	Control of immune cell function by the unfolded protein response. Nature Reviews Immunology, 2023, 23, 546-562.	22.7	13

#	Article	IF	CITATIONS
955	A terpene nucleoside from M. tuberculosis induces lysosomal lipid storage in foamy macrophages. Journal of Clinical Investigation, 2023, 133, .	8.2	10
956	The role of Evi/Wntless in exporting Wnt proteins. Development (Cambridge), 2023, 150, .	2.5	1
957	MoLrp1-mediated signaling induces nuclear accumulation of MoMsn2 to facilitate fatty acid oxidation for infectious growth of the rice blast fungus. Plant Communications, 2023, 4, 100561.	7.7	3
958	Mindin Activates Autophagy for Lipid Utilization and Facilitates White Spot Syndrome Virus Infection in Shrimp. MBio, 0, , .	4.1	0
959	Bioinformatics-Based Screening Approach for the Identification and Characterization of Lipolytic Enzymes from the Marine Diatom Phaeodactylum tricornutum. Marine Drugs, 2023, 21, 125.	4.6	3
960	GPCR in Adipose Tissue Function—Focus on Lipolysis. Biomedicines, 2023, 11, 588.	3.2	5
961	Rab8a as a mitochondrial receptor for lipid droplets in skeletal muscle. Developmental Cell, 2023, 58, 289-305.e6.	7.0	13
962	Cholesterol esters form supercooled lipid droplets whose nucleation is facilitated by triacylglycerols. Nature Communications, 2023, 14, .	12.8	12
964	Recent insights into the molecular mechanisms of simultaneous fatty acid oxidation and synthesis in brown adipocytes. Frontiers in Endocrinology, 0, 14, .	3.5	4
965	Anethole improves the developmental competence of porcine embryos by reducing oxidative stress via the sonic hedgehog signaling pathway. Journal of Animal Science and Biotechnology, 2023, 14, .	5.3	5
966	Bioactive Compounds as Inhibitors of Inflammation, Oxidative Stress and Metabolic Dysfunctions via Regulation of Cellular Redox Balance and Histone Acetylation State. Foods, 2023, 12, 925.	4.3	8
967	Glioblastomas: Hijacking Metabolism to Build a Flexible Shield for Therapy Resistance. Antioxidants and Redox Signaling, 0, , .	5.4	0
968	Lipid droplets as multifunctional organelles related to the mechanism of evasion during mycobacterial infection. Frontiers in Cellular and Infection Microbiology, 0, 13, .	3.9	3
969	Red-Emitting Dithienothiophene S,S-Dioxide Dyes for Cellular Membrane Staining. Materials, 2023, 16, 1806.	2.9	1
970	Solvatochromic Near-Infrared Aggregation-Induced Emission-Active Acrylonitriles by Acceptor Modulation for Low-Power Stimulated Emission Depletion Nanoscopy. Chemistry of Materials, 2023, 35, 2472-2485.	6.7	20
971	Hydroxysteroid 17β-dehydrogenase 11 accumulation on lipid droplets promotes ethanol-induced cellular steatosis. Journal of Biological Chemistry, 2023, 299, 103071.	3.4	0
973	Construction of a fatty acid metabolism-related gene signature for predicting prognosis and immune response in breast cancer. Frontiers in Genetics, 0, 14, .	2.3	4
974	Genetic variety of ORF3a shapes SARS oVâ€⊋ fitness through modulation of lipid droplet. Journal of Medical Virology, 2023, 95, .	5.0	8

IF

CITATIONS

975	Characterization of hemocytes from the marine amphipod <scp> <i>Parhyale hawaiensis</i> </scp> () Tj ETQq0 0	0 rgBT /C 0.9	verlock 10 T 0
976	NLRP3-dependent lipid droplet formation contributes to posthemorrhagic hydrocephalus by increasing the permeability of the blood–cerebrospinal fluid barrier in the choroid plexus. Experimental and Molecular Medicine, 2023, 55, 574-586.	7.7	2
977	Systematic Transmission Electron Microscopyâ€Based Identification and 3D Reconstruction of Cellular Degradation Machinery. Advanced Biology, 2023, 7, .	2.5	15
978	Narrative review of ferroptosis in obesity. Journal of Cellular and Molecular Medicine, 2023, 27, 920-926.	3.6	10
979	Polyunsaturated fatty acids alter the formation of lipid droplets and eicosanoid production in Leishmania promastigotes. Memorias Do Instituto Oswaldo Cruz, 0, 118, .	1.6	1
980	A Perspective on the Link between Mitochondria-Associated Membranes (MAMs) and Lipid Droplets Metabolism in Neurodegenerative Diseases. Biology, 2023, 12, 414.	2.8	6
981	Dual Functional Full-Color Carbon Dot-Based Organelle Biosensor Array for Visualization of Lipid Droplet Subgroups with Varying Lipid Composition in Living Cells. Analytical Chemistry, 2023, 95, 5087-5094.	6.5	3
982	Cysteine-Activatable Near-Infrared Fluorescent Probe for Dual-Channel Tracking Lipid Droplets and Mitochondria in Epilepsy. Analytical Chemistry, 2023, 95, 5133-5141.	6.5	15
983	Statin Treatment Is Associated with Alterations in the Platelet Lipidome. Thrombosis and Haemostasis, 2023, 123, 585-596.	3.4	5
984	Stimulated Raman Scattering Imaging Sheds New Light on Lipid Droplet Biology. Journal of Physical Chemistry B, 2023, 127, 2381-2394.	2.6	2
985	Isolation, characterization, proteome, miRNAome, and the embryotrophic effects of chicken egg yolk nanovesicles (vitellovesicles). Scientific Reports, 2023, 13, .	3.3	3
986	Impaired Adipocyte SLC7A10 Promotes Lipid Storage in Association With Insulin Resistance and Altered BCAA Metabolism. Journal of Clinical Endocrinology and Metabolism, 2023, 108, 2217-2229.	3.6	3
987	Two-photon excited red-green "discoloration―bioprobes for monitoring lipid droplets and lipid droplets and lipid droplet-lysosomal autophagy. Journal of Materials Chemistry B, 2023, 11, 3186-3194.	5.8	1
988	Label-free 3D visualization and quantification of endogenous and exogenous intracellular particles in single cells by phase-contrast holographic flow tomography. , 2023, , .		0
989	Lipidomic Analysis of Liver Lipid Droplets after Chronic Alcohol Consumption with and without Betaine Supplementation. Biology, 2023, 12, 462.	2.8	2
990	The Lipidome of the Gastrointestinal Tract in Lactating Holstein Cows. Ruminants, 2023, 3, 76-91.	1.1	0
991	The intriguing molecular dynamics of Cer[EOS] in rigid skin barrier lipid layers requires improvement of the model. Journal of Lipid Research, 2023, 64, 100356.	4.2	3
992	Editorial: The evolving role of lipid droplets: Advancements and future directions. Frontiers in Cell and Developmental Biology, 0, 11, .	3.7	0

ARTICLE

#

#	Article	IF	CITATIONS
993	SB2301-mediated perturbation of membrane composition in lipid droplets induces lipophagy and lipid droplets ubiquitination. Communications Biology, 2023, 6, .	4.4	1
994	FGF signaling promotes spreading of fat body precursors necessary for adult adipogenesis in Drosophila. PLoS Biology, 2023, 21, e3002050.	5.6	0
995	Sphingolipid desaturase DEGS1 is essential for mitochondria-associated membrane integrity. Journal of Clinical Investigation, 2023, 133, .	8.2	6
996	Loss of fatty acid degradation by astrocytic mitochondria triggers neuroinflammation and neurodegeneration. Nature Metabolism, 2023, 5, 445-465.	11.9	33
997	Limonene formulation exhibited potential application in the control of mycelial growth and deoxynivalenol production in Fusarium graminearum. Frontiers in Microbiology, 0, 14, .	3.5	3
998	Wds-Mediated H3K4me3 Modification Regulates Lipid Synthesis and Transport in Drosophila. International Journal of Molecular Sciences, 2023, 24, 6125.	4.1	0
1000	Quasi-LD-Targeted and ONOO [–] -Responsive Fluorescent Probe for Investigating the Interaction of Nonalcoholic Fatty Liver with Drug-Induced Liver Injury. Analytical Chemistry, 2023, 95, 5967-5975.	6.5	33
1001	Ï€ â€Extended BTD derivatives: synthesis, photophysical properties, and applications in biological systemsÂimagingÂfor discriminating living and dead cells. Chemistry - an Asian Journal, 0, , .	3.3	Ο
1002	Biomolecular Liquid–Liquid Phase Separation for Biotechnology. BioTech, 2023, 12, 26.	2.6	2
1004	AIE active cyanostilbenes for live-cell imaging of lipid droplets. New Journal of Chemistry, 2023, 47, 10016-10024.	2.8	3
1006	A review: Small organic molecule dual/multi-organelle-targeted fluorescent probes. Talanta, 2023, 259, 124529.	5.5	8
1007	BAP31 depletion inhibited adipogenesis, repressed lipolysis and promoted lipid droplets abnormal growth via attenuating Perilipin1 proteasomal degradation. International Journal of Biological Sciences, 2023, 19, 1713-1730.	6.4	0
1008	Sensitive hydrazine detection and quantification with a fluorescent benzothiadiazole sensor: selective lipid droplets and <i>in vivo</i> imaging. Organic and Biomolecular Chemistry, 2023, 21, 4606-4619.	2.8	3
1009	Molecular Mechanisms of Ferroptosis and Updates of Ferroptosis Studies in Cancers and Leukemia. Cells, 2023, 12, 1128.	4.1	9
1010	Targeting autophagy and lipid metabolism in cancer stem cells. Biochemical Pharmacology, 2023, 212, 115550.	4.4	4
1011	Lipid Droplets from Plants and Microalgae: Characteristics, Extractions, and Applications. Biology, 2023, 12, 594.	2.8	6
1012	The efficiency and safety evaluation of hemoglobin hydrolysate as a non-heme iron fortifier. , 2023, , 1-19.		0
1013	Wheat sprouts (Triticum aestivum Linn.) cultured by a smart farm system ameliorate NAFLD through the AMPK-mediated SREBP signaling pathway. Food Science and Biotechnology, 0, , .	2.6	1

#	Article	IF	CITATIONS
1014	Distinctions in bone matrix nanostructure, composition, and formation between osteoblast-like cells, MG-63, and human mesenchymal stem cells, UE7T-13. Heliyon, 2023, 9, e15556.	3.2	1
1015	Analytical Techniques for Single-Cell Biochemical Assays of Lipids. Annual Review of Biomedical Engineering, 2023, 25, 281-309.	12.3	1
1016	One amino acid drives the lipid droplet targeting sequence of a new noncoding RNAâ€encoded protein to mitochondrion. Proteomics, 0, , .	2.2	0
1017	FALCON systematically interrogates free fatty acid biology and identifies a novel mediator of lipotoxicity. Cell Metabolism, 2023, 35, 887-905.e11.	16.2	4
1019	AoMae1 Regulates Hyphal Fusion, Lipid Droplet Accumulation, Conidiation, and Trap Formation in Arthrobotrys oligospora. Journal of Fungi (Basel, Switzerland), 2023, 9, 496.	3.5	2
1020	Reduced sulfatide content in deferoxamine-induced senescent HepG2 cells. International Journal of Biochemistry and Cell Biology, 2023, 159, 106419.	2.8	2
1021	Designing Intracellular Compartments for Efficient Engineered Microbial Cell Factories. ACS Synthetic Biology, 2023, 12, 1378-1395.	3.8	3
1024	Application of plant-derived exosome-like nanoparticles in drug delivery. Pharmaceutical Development and Technology, 2023, 28, 383-402.	2.4	14
1025	Adrenergic regulation of astroglial aerobic glycolysis and lipid metabolism: Towards a noradrenergic hypothesis of neurodegeneration. Neurobiology of Disease, 2023, 182, 106132.	4.4	1
1027	Seipin concentrates distinct neutral lipids via interactions with their acyl chain carboxyl esters. Journal of Cell Biology, 2022, 221, .	5.2	10
1028	Distinct features of two lipid droplets types in cell nuclei from patients with liver diseases. Scientific Reports, 2023, 13, .	3.3	0
1029	The Involvement of Glucose and Lipid Metabolism Alteration in Rheumatoid Arthritis and Its Clinical Implication. Journal of Inflammation Research, 0, Volume 16, 1837-1852.	3.5	1
1030	Intramolecular cyclization reaction enabling fluorescent probes for dual-color visualization of lysosomes and lipid droplets with prominent spectral shift. Sensors and Actuators B: Chemical, 2023, 389, 133879.	7.8	4
1031	The buzz in the field: the interaction between viruses, mosquitoes, and metabolism. Frontiers in Cellular and Infection Microbiology, 0, 13, .	3.9	2
1032	Mammalian lipid droplets: structural, pathological, immunological and anti-toxicological roles. Progress in Lipid Research, 2023, 91, 101233.	11.6	6
1033	Substituent directed cellular imaging in the 800–850 nm range with BF ₂ -azadipyrromethene fluorophores. RSC Advances, 2023, 13, 14963-14973.	3.6	0
1035	Sustained oral intake of nano-iron oxide perturbs the gut-liver axis. NanoImpact, 2023, 30, 100464.	4.5	1
1036	Golgiâ€localized MORN1 promotes lipid droplet abundance and enhances tolerance to multiple stresses in <i>Arabidopsis</i> . Journal of Integrative Plant Biology, 0, ,	8.5	0

#	Article	IF	CITATIONS
1037	Regulation of CD8 Tâ€cell signaling, metabolism, and cytotoxic activity by extracellular lysophosphatidic acid. Immunological Reviews, 2023, 317, 203-222.	6.0	2
1038	White spot syndrome virus (WSSV) modulates lipid metabolism in white shrimp. Communications Biology, 2023, 6, .	4.4	1
1039	Peritumoral adipose tissue promotes lipolysis and white adipocytes browning by paracrine action. Frontiers in Endocrinology, 0, 14, .	3.5	3
1042	Carbonized Polymer Dot Probe for Two-Photon Fluorescence Imaging of Lipid Droplets in Living Cells and Tissues. ACS Sensors, 2023, 8, 1939-1949.	7.8	5
1044	Loss of hepatic VMP1 trapped VLDL in the bilayer of endoplasmic reticulum membrane. Liver Research, 2023, 7, 161-163.	1.4	0
1045	Oxygen-induced pathological angiogenesis promotes intense lipid synthesis and remodeling in the retina. IScience, 2023, 26, 106777.	4.1	1
1046	Fluorescent probes for lighting up ferroptotic cell death: A review. Talanta, 2023, 260, 124628.	5.5	10
1047	Physiological and pathological roles of lipogenesis. Nature Metabolism, 2023, 5, 735-759.	11.9	21
1048	Coherent Raman scattering microscopy of lipid droplets in cells and tissues. Journal of Raman Spectroscopy, 0, , .	2.5	1
1049	A Bright Twoâ€Photon Lipid Droplets Probe with Viscosityâ€Enhanced Solvatochromic Emission for Visualizing Lipid Metabolic Disorders in Deep Tissues. Advanced Functional Materials, 2023, 33, .	14.9	8
1050	Direct Visualization and Restoration of Metallic Ion-Induced Subcellular Ultrastructural Remodeling. ACS Nano, 2023, 17, 9069-9081.	14.6	7
1053	A fluorescent probe for lipid droplet polarity imaging with low viscosity crosstalk. Analyst, The, 2023, 148, 3285-3294.	3.5	5
1054	Equal distribution of lipid droplets in daughter cells is regulated by microtubules. Cell Cycle, 2023, 22, 1421-1433.	2.6	1
1056	Limiting mitochondrial plasticity by targeting DRP1 induces metabolic reprogramming and reduces breast cancer brain metastases. Nature Cancer, 2023, 4, 893-907.	13.2	8
1057	Structural insights into perilipin 3 membrane association in response to diacylglycerol accumulation. Nature Communications, 2023, 14, .	12.8	12
1058	Silencing of the 20S proteasomal subunit-î±6 triggers full oogenesis arrest and increased mRNA levels of the selective autophagy adaptor protein p62/SQSTM1 in the ovary of the vector Rhodnius prolixus. PLoS Neglected Tropical Diseases, 2023, 17, e0011380.	3.0	0
1059	Proteomics coupled transcriptomics reveals lipopolysaccharide inhibiting peroxisome proliferatorâ€activated receptors signalling pathway to reduce lipid droplets accumulation in mouse liver. Proteomics, 0, , .	2.2	0
1060	Cell lipid droplet heterogeneity and altered biophysical properties induced by cell stress and metabolic imbalance. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2023, 1868, 159347.	2.4	3

# 1061	ARTICLE Metabolic alterations upon SARS-CoV-2 infection and potential therapeutic targets against coronavirus infection. Signal Transduction and Targeted Therapy, 2023, 8, .	IF 17.1	CITATIONS
1062	PLIN5 interacts with FATP4 at membrane contact sites to promote lipid droplet-to-mitochondria fatty acid transport. Developmental Cell, 2023, 58, 1250-1265.e6.	7.0	13
1064	Porcine reproductive and respiratory syndrome virus regulates lipid droplet accumulation in lipid metabolic pathways to promote viral replication. Virus Research, 2023, 333, 199139.	2.2	0
1065	Lipids as a key element of insect defense systems. Frontiers in Genetics, 0, 14, .	2.3	0
1066	Recent advances in organelle-specific two-photon small-molecule fluorescent probes for bioanalysis in live tissues. TrAC - Trends in Analytical Chemistry, 2023, 165, 117128.	11.4	4
1067	NIR-AIEgens nanospheres featuring high-fidelity dynamic lipid droplet targeting, expediting ferroptosis to annihilating tumor in hypoxia. Chemical Engineering Journal, 2023, 470, 144125.	12.7	4
1068	Lipophagy: A potential therapeutic target for nonalcoholic and alcoholic fatty liver disease. Biochemical and Biophysical Research Communications, 2023, 672, 36-44.	2.1	1
1069	Microglia in Alzheimer's disease: pathogenesis, mechanisms, and therapeutic potentials. Frontiers in Aging Neuroscience, 0, 15, .	3.4	12
1070	(Patho)Physiology of Glycosylphosphatidylinositol-Anchored Proteins II: Intercellular Transfer of Matter (Inheritance?) That Matters. Biomolecules, 2023, 13, 994.	4.0	1
1071	Hif1α/Dhrs3a Pathway Participates in Lipid Droplet Accumulation via Retinol and Ppar-γ in Fish Hepatocytes. International Journal of Molecular Sciences, 2023, 24, 10236.	4.1	0
1072	Exploring the microscopic changes of lipid droplets and mitochondria in alcoholic liver disease via fluorescent probes with high polarity specificity. Talanta, 2023, 265, 124819.	5.5	3
1073	A proximity labeling strategy enables proteomic analysis of inter-organelle membrane contacts. IScience, 2023, 26, 107159.	4.1	2
1074	Involvement of AoMdr1 in the Regulation of the Fluconazole Resistance, Mycelial Fusion, Conidiation, and Trap Formation of Arthrobotrys oligospora. Microorganisms, 2023, 11, 1612.	3.6	1
1075	Bifunctional fluorescent probe for the recognition of hydrazine and bisulfite in lipid droplets. Sensors and Actuators B: Chemical, 2023, 393, 134181.	7.8	3
1076	FABP7: a glial integrator of sleep, circadian rhythms, plasticity, and metabolic function. Frontiers in Systems Neuroscience, 0, 17, .	2.5	1
1077	<scp>PRMT5</scp> links lipid metabolism to contractile function of skeletal muscles. EMBO Reports, 2023, 24, .	4.5	2
1078	Bioorthogonal Stimulated Raman Scattering Imaging Uncovers Lipid Metabolic Dynamics in <i>Drosophila</i> Brain During Aging. , 2023, 2, 247-261.		5
1079	Discovering cellular programs of intrinsic and extrinsic drivers of metabolic traits using LipocyteProfiler. Cell Genomics, 2023, 3, 100346.	6.5	2

ARTICLE

IF CITATIONS

1080 å...∙有è§å...‰å¼€å...³ç‰¹æ€§çš"å−¹å•‰èjç"Ÿç‰©ç"¨äºŽé«~æ•^选择性æ‡è®°ç»†èƒžè,,,æ»´. Zhongg**u**@ Jiguang/Chinese Jo

1081	Combining albumin deficiency and acute exercise reduces hepatic lipid droplet size in mice. Lipids in Health and Disease, 2023, 22, .	3.0	1
1082	Getting fat and stressed: Effects of dietary intake of titanium dioxide nanoparticles in the liver of turbot Scophthalmus maximus. Journal of Hazardous Materials, 2023, 458, 131915.	12.4	0
1083	Construction of ROS-generation system based on lipid droplet-targeting photosensitizer to mediate multiple subcellular organelle damage. Sensors and Actuators B: Chemical, 2023, 393, 134201.	7.8	0
1084	Interplay between lipid metabolism, lipid droplets and RNA virus replication. Critical Reviews in Microbiology, 0, , 1-25.	6.1	0
1085	Apolipoprotein E in lipid metabolism and neurodegenerative disease. Trends in Endocrinology and Metabolism, 2023, 34, 430-445.	7.1	11
1087	Defining the elusive oncogenic role of the methyltransferase TMT1B. Frontiers in Oncology, 0, 13, .	2.8	0
1088	Defects in lysosomal function and lipid metabolism in human microglia harboring a TREM2 loss of function mutation. Acta Neuropathologica, 2023, 145, 749-772.	7.7	8
1089	ZFP750 affects the cutaneous barrier through regulating lipid metabolism. Science Advances, 2023, 9, .	10.3	4
1090	Lipid droplets and peroxisomes are co-regulated to drive lifespan extension in response to mono-unsaturated fatty acids. Nature Cell Biology, 2023, 25, 672-684.	10.3	25
1091	ACOX-driven peroxisomal heterogeneity and functional compartmentalization in brown adipocytes of hypothyroid rats. Royal Society Open Science, 2023, 10, .	2.4	1
1092	Kinetic data for modeling the dynamics of the enzymes involved in animal fatty acid synthesis. Bioscience Reports, 2023, 43, .	2.4	1
1093	Impaired Cholesterol Metabolism, Neurons, and Neuropsychiatric Disorders. Experimental Neurobiology, 2023, 32, 57-67.	1.6	5
1094	Adipose triglyceride lipase promotes prostaglandin-dependent actin remodeling by regulating substrate release from lipid droplets. Development (Cambridge), 2023, 150, .	2.5	3
1095	Galectin-12 Regulates Immune Responses in the Skin through Sebaceous Glands. Journal of Investigative Dermatology, 2023, 143, 2120-2131.e7.	0.7	1
1096	Endocytosis in cancer and cancer therapy. Nature Reviews Cancer, 2023, 23, 450-473.	28.4	22
1097	Lipid droplet biogenesis and functions in health and disease. Nature Reviews Endocrinology, 2023, 19, 443-459.	9.6	49
1098	Coronaviral <scp>ORF6</scp> protein mediates interâ€organelle contacts and modulates host cell lipid flux for virus production. EMBO Journal, 2023, 42, .	7.8	7

#	Article	IF	CITATIONS
1099	Lipid droplet-associated IncRNA LIPTER preserves cardiac lipid metabolism. Nature Cell Biology, 2023, 25, 1033-1046.	10.3	5
1100	Lipid droplets proteome reveals dynamic changes of lipid droplets protein during embryonic development of Carya cathayensis nuts. Plant Science, 2023, 334, 111753.	3.6	0
1101	Lipid metabolism dysfunction following symbiont elimination is linked to altered Kennedy pathway homeostasis. IScience, 2023, 26, 107108.	4.1	0
1102	From microemulsion phase diagrams to hydrophilicity and hydration controlled adsorption: a dissipative particle dynamics modelling study of phospholipid assembly in bio oils. Soft Matter, 2023, 19, 5538-5550.	2.7	2
1103	Detection of cells with lipid droplets exploiting their biolens' signature in holographic imaging flow cytometry. , 2023, , .		0
1104	The impact of lipid metabolism on breast cancer: a review about its role in tumorigenesis and immune escape. Cell Communication and Signaling, 2023, 21, .	6.5	7
1105	In-flow holographic tomography boosts lipid droplet quantification. Opto-Electronic Advances, 2023, 6, 230083-230083.	13.3	1
1106	Subcellular visualization: Organelle-specific targeted drug delivery and discovery. Advanced Drug Delivery Reviews, 2023, 199, 114977.	13.7	9
1107	Pterostilbene induces apoptosis in hepatocellular carcinoma cells: Biochemical, pathological, and molecular markers. Saudi Journal of Biological Sciences, 2023, 30, 103717.	3.8	2
1108	Accelerated Export of Dicer1 from Lipid-Challenged Hepatocytes Buffers Cellular miRNA-122 Levels and Prevents Cell Death. Journal of Biological Chemistry, 2023, , 104999.	3.4	0
1109	Single particle tracking in dissecting lipid droplet biology. TrAC - Trends in Analytical Chemistry, 2023, 166, 117154.	11.4	0
1110	Arf1 coordinates fatty acid metabolism and mitochondrial homeostasis. Nature Cell Biology, 2023, 25, 1157-1172.	10.3	9
1111	BODIPYâ€based Fluorescent Indicators for Lipid Droplets. Analysis & Sensing, 2024, 4, .	2.0	1
1112	Perilipin 3 promotes the formation of membrane domains enriched in diacylglycerol and lipid droplet biogenesis proteins. Frontiers in Cell and Developmental Biology, 0, 11, .	3.7	4
1113	The regulatory role of lipophagy in central nervous system diseases. Cell Death Discovery, 2023, 9, .	4.7	2
1114	More than meets the eye in Parkinson's disease and other synucleinopathies: from proteinopathy to lipidopathy. Acta Neuropathologica, 2023, 146, 369-385.	7.7	8
1115	Ostwald Ripening of Triacylglycerol Droplets Embedded in Glass-Supported Phospholipid Bilayers. Langmuir, 2023, 39, 10001-10010.	3.5	0
1116	Tapping lipid droplets: A rich fat diet of intracellular bacterial pathogens. Molecular Microbiology, 2023, 120, 194-209.	2.5	0

#	Article	IF	CITATIONS
1118	Regulation of lipid droplets and cholesterol metabolism in adrenal cortical cells. Vitamins and Hormones, 2024, , 79-136.	1.7	0
1119	Beyond energy provider: multifunction of lipid droplets in embryonic development. Biological Research, 2023, 56, .	3.4	3
1120	FGF21-mediated autophagy: Remodeling the homeostasis in response to stress in liver diseases. Genes and Diseases, 2024, 11, 101027.	3.4	0
1121	NAFLD and AATD Are Two Diseases with Unbalanced Lipid Metabolism: Similarities and Differences. Biomedicines, 2023, 11, 1961.	3.2	0
1122	The Troyer syndrome protein spartin mediates selective autophagy of lipid droplets. Nature Cell Biology, 2023, 25, 1101-1110.	10.3	16
1123	Pharmacological Upregulation of Microglial Lipid Droplet Alleviates Neuroinflammation and Acute Ischemic Brain Injury. Inflammation, 2023, 46, 1832-1848.	3.8	1
1124	Intrapancreatic fat, pancreatitis, and pancreatic cancer. Cellular and Molecular Life Sciences, 2023, 80, .	5.4	4
1125	RINT1 deficiency disrupts lipid metabolism and underlies a complex hereditary spastic paraplegia. Journal of Clinical Investigation, 2023, 133, .	8.2	1
1126	Fatty acid metabolism changes in association with neurobehavioral deficits in animal models of fetal alcohol spectrum disorders. Communications Biology, 2023, 6, .	4.4	0
1127	lron oxide nanoparticles trigger endoplasmic reticulum damage in steatotic hepatic cells. Nanoscale Advances, 2023, 5, 4250-4268.	4.6	1
1128	Research Progress of Fluorescent Probes for Cysteine Targeting Cellular Organelles. Chinese Journal of Organic Chemistry, 2023, 43, 2053.	1.3	1
1129	Identification and analysis of lipid metabolism-related genes in allergic rhinitis. Lipids in Health and Disease, 2023, 22, .	3.0	1
1130	Atherosclerosis, Diabetes Mellitus, and Cancer: Common Epidemiology, Shared Mechanisms, and Future Management. International Journal of Molecular Sciences, 2023, 24, 11786.	4.1	4
1131	The emulsifying ability of oleosomes and their interfacial molecules. Colloids and Surfaces B: Biointerfaces, 2023, 229, 113476.	5.0	3
1132	Lipid homeostasis is essential for a maximal ER stress response. ELife, 0, 12, .	6.0	3
1133	Parallel CRISPR-Cas9 screens identify mechanisms of PLIN2 and lipid droplet regulation. Developmental Cell, 2023, 58, 1782-1800.e10.	7.0	9
1135	How neurons maintain their axons long-term: an integrated view of axon biology and pathology. Frontiers in Neuroscience, 0, 17, .	2.8	2
1136	Kidney lipid dysmetabolism and lipid droplet accumulation in chronic kidney disease. Nature Reviews Nephrology, 2023, 19, 629-645.	9.6	12

		CITATION REPORT		
#	Article		IF	Citations
1137	The interplay between lipid droplets and virus infection. Journal of Medical Virology, 20	23, 95, .	5.0	1
1138	Burst of hopping trafficking correlated reversible dynamic interactions between lipid dr mitochondria under starvation. Exploration, 2023, 3, .	oplets and	11.0	6
1139	Echo time optimization for inâ€vivo measurement of unsaturated lipid resonances usir Jâ€differenceâ€edited <scp>MRS</scp> . Magnetic Resonance in Medicine, 2023, 90, 2	ıg 217-2232.	3.0	0
1140	Lipid Signatures and Inter-Cellular Heterogeneity of NaıÌ^ve and Lipopolysaccharide-S Microglia-like Cells. Analytical Chemistry, 2023, 95, 11672-11679.	timulated Human	6.5	1
1141	Molecular Drug Simulation and Experimental Validation of the CD36 Receptor Compet to Long-Chain Fatty Acids by 7-Ketocholesteryl-9-carboxynonanoate. ACS Omega, 2023	itively Binding 3, 8, 28277-28289.	3.5	1
1142	Changes in Plasma Neutral and Ether-Linked Lipids Are Associated with The Pathology a of Alzheimer's Disease. , 2023, 14, 1728.	and Progression		1
1143	The synaptic vesicle protein Mover/ <scp>TPRG1L</scp> is associated with lipid droplet Glia, 2023, 71, 2799-2814.	s in astrocytes.	4.9	1
1144	Area difference between monolayers facilitates budding of lipid droplets from vesicles. 0, , .	Soft Matter,	2.7	0
1145	Feedback regulation of ubiquitination and phase separation of HECT E3 ligases. Procee National Academy of Sciences of the United States of America, 2023, 120, .	dings of the	7.1	5
1146	Cerebrospinal fluid lipidomic fingerprint of obstructive sleep apnoea in Alzheimer's Alzheimer's Research and Therapy, 2023, 15, .	disease.	6.2	4
1147	SPART links autophagy machinery and lipid droplets in motor neurons. Autophagy, 0, ,	1-2.	9.1	0
1148	Lipid droplets control mitogenic lipid mediator production in human cancer cells. Mole Metabolism, 2023, 76, 101791.	cular	6.5	1
1149	Etiology of lipid-laden macrophages in the lung. International Immunopharmacology, 2	023, 123, 110719.	3.8	0
1150	Preâ€rRNA Facilitates TopBP1â€Mediated DNA Doubleâ€Strand Break Response. Adva	nced Science, 2023, 10, .	11.2	0
1151	Fatty acids in cancer chemoresistance. Cancer Letters, 2023, 572, 216352.		7.2	1
1152	Saponin-based adjuvants enhance antigen cross-presentation in human CD11c ⁺ CD1c ⁺ CD5 ^{â^'} CD163 ⁺ cor dendritic cells. , 2023, 11, e007082.	ventional type 2		3
1153	Cellular Evidence for Telocytes Mediating Electroacupuncture to Ameliorate Obesity in Microscopy and Microanalysis, 0, , .	Mice	0.4	0
1154	Exploiting Mass Spectrometry to Unlock the Mechanism of Nanoparticle-Induced Inflar Activation. ACS Nano, 2023, 17, 17451-17467.	nmasome	14.6	1

#	Article	IF	Citations
1155	Engineering of a NIR fluorescent probe for high-fidelity tracking of lipid droplets in living cells and nonalcoholic fatty liver tissues. Biosensors and Bioelectronics, 2023, 240, 115646.	10.1	3
1156	ABCD1 Transporter Deficiency Results in Altered Cholesterol Homeostasis. Biomolecules, 2023, 13, 1333.	4.0	2
1157	Rapid Intracellular Detection and Analysis of Lipid Droplets' Morpho-Chemical Composition by Phase-Guided Raman Sampling. Analytical Chemistry, 2023, 95, 13555-13565.	6.5	2
1159	Powering up antifungal treatment: using small molecules to unlock the potential of existing therapies. MBio, 0, , .	4.1	2
1160	Ultrastructure and 3D reconstruction of a diplonemid protist (Diplonemea) and its novel membranous organelle. MBio, 0, , .	4.1	0
1161	The dilatable membrane of oleosomes (lipid droplets) allows their <i>in vitro</i> resizing and triggered release of lipids. Soft Matter, 2023, 19, 6355-6367.	2.7	1
1162	Andrographolide Induces ROS-Mediated Cytotoxicity, Lipid Peroxidation, and Compromised Cell Integrity in Saccharomyces cerevisiae. Antioxidants, 2023, 12, 1765.	5.1	0
1163	What Is the Role of Organelle Membrane Contact Sites in Neurodegenerative Diseases?. Neurology, 2022, 99, 703-710.	1.1	0
1164	The expanding organelle lipidomes: current knowledge and challenges. Cellular and Molecular Life Sciences, 2023, 80, .	5.4	2
1165	Concept of lipid droplet biogenesis. European Journal of Cell Biology, 2023, 102, 151362.	3.6	1
1166	Quantitative Lipid Profiling Reveals Major Differences between Liver Organoids with Normal Pi*M and Deficient Pi*Z Variants of Alpha-1-antitrypsin. International Journal of Molecular Sciences, 2023, 24, 12472.	4.1	2
1167	An integrated view of lipid metabolism in ferroptosis revisited via lipidomic analysis. Experimental and Molecular Medicine, 2023, 55, 1620-1631.	7.7	4
1168	Structural basis of lipid-droplet localization of 17-beta-hydroxysteroid dehydrogenase 13. Nature Communications, 2023, 14, .	12.8	2
1169	Lipid droplets: a cellular organelle vital in cancer cells. Cell Death Discovery, 2023, 9, .	4.7	9
1171	Annulationâ€Induced Hidden Reactivity of the 1,2,4â€Triazole Backbone. Angewandte Chemie, 2023, 135, .	2.0	0
1172	Annulationâ€Induced Hidden Reactivity of the 1,2,4â€Triazole Backbone. Angewandte Chemie - International Edition, 2023, 62, .	13.8	2
1173	A lipid droplet-targeting fluorescent probe for specific H2S imaging in biosamples and development of smartphone platform. Analytica Chimica Acta, 2023, 1277, 341679.	5.4	4
1175	SUMO-specific protease 2 regulates lipid droplet size through ERRα-mediated CIDEA expression in adipocytes. Biochemical and Biophysical Research Communications, 2023, 681, 29-35.	2.1	0

#	Article	IF	CITATIONS
1176	Fatty Acids and their Proteins in Adipose Tissue Inflammation. Cell Biochemistry and Biophysics, 2024, 82, 35-51.	1.8	3
1177	Transcriptomics and translatomics identify a robust inflammatory gene signature in brain endothelial cells after ischemic stroke. Journal of Neuroinflammation, 2023, 20, .	7.2	1
1178	A stable NIR fluorescent probe for imaging lipid droplets in triple-negative breast cancer. Sensors and Actuators B: Chemical, 2024, 398, 134740.	7.8	5
1179	Cellular organelles as drug carriers for disease treatment. Journal of Controlled Release, 2023, 363, 114-135.	9.9	0
1180	The endoribonuclease Arlr is required to maintain lipid homeostasis by downregulating lipolytic genes during aging. Nature Communications, 2023, 14, .	12.8	0
1181	Fluorescent styryl pyridine- <i>N</i> -oxide probes for imaging lipid droplets. Organic and Biomolecular Chemistry, 2023, 21, 8393-8402.	2.8	0
1182	New insights in photodynamic inactivation of Leishmania amazonensis: A focus on lipidomics and resistance. PLoS ONE, 2023, 18, e0289492.	2.5	0
1183	The role of cellular lipid metabolism in aging. , 2023, , 225-248.		0
1184	Ultrabright organic fluorescent probe for quantifying the dynamics of cytosolic/nuclear lipid droplets. Biosensors and Bioelectronics, 2023, 241, 115707.	10.1	2
1185	A new class of teraryl-based AIEgen for highly selective imaging of intracellular lipid droplets and its detection in advanced-stage human cervical cancer tissues. Journal of Materials Chemistry B, 2023, 11, 9922-9932.	5.8	0
1187	The Combined Inhibition of Autophagy and Diacylglycerol Acyltransferase-Mediated Lipid Droplet Biogenesis Induces Cancer Cell Death during Acute Amino Acid Starvation. Cancers, 2023, 15, 4857.	3.7	1
1188	An acetylpyrene-based fluorescent probe for selective detection of cysteine in vitro and in lipid droplets. Dyes and Pigments, 2023, 220, 111688.	3.7	2
1191	A pH-responsive nanoplatform with aggregation-induced emission features for lipid droplet imaging in atherosclerosis. Chemical Engineering Journal, 2023, 476, 146792.	12.7	1
1194	Early steps in the birth of four membrane-bound organelles—Peroxisomes, lipid droplets, lipoproteins, and autophagosomes. Current Opinion in Cell Biology, 2023, 84, 102210.	5.4	3
1195	Ferroptosis, a subtle talk between immune system and cancer cells: To be or not to be?. Biomedicine and Pharmacotherapy, 2023, 165, 115251.	5.6	2
1196	Intratumoral lipid metabolic reprogramming as a pro-tumoral regulator in the tumor milieu. Biochimica Et Biophysica Acta: Reviews on Cancer, 2023, 1878, 188962.	7.4	0
1197	Unveiling potentially convergent key events related to adverse outcome pathways induced by silver nanoparticles via cross-species omics-scale analysis. Journal of Hazardous Materials, 2023, 459, 132208.	12.4	0
1199	Lipid droplet-specific near-infrared fluorescent probe for discriminating cancer and normal cells and diagnosing fatty liver. Bioorganic Chemistry, 2023, 140, 106800.	4.1	0

		15	0
#	ARTICLE	IF	CITATIONS
1200	Ferroptosis of Microglia in Aging Human White Matter Injury. Annals of Neurology, 2023, 94, 1048-1066.	5.3	2
1201	Cellular lipids and viral infection. , 2023, , 455-482.		Ο
1202	The S100 calcium-binding protein A6 plays a crucial role in hepatic steatosis by mediating lipophagy. Hepatology Communications, 2023, 7, .	4.3	0
1203	Evaluation of intracellular lipid droplets viscosity by a probe with high fluorescence quantum yield. Analytica Chimica Acta, 2023, 1279, 341776.	5.4	3
1204	Volumetric analysis of lymphocyte lipid droplets in type 2 diabetes mellitus patients with hyperlipidemia. Medicinski Podmladak, 2023, 74, 56-61.	0.0	0
1205	Native promoter-mediated transcriptional regulation of crucial oleosin protein OLE1 from Prunus sibirica for seed development and high oil accumulation. International Journal of Biological Macromolecules, 2023, 253, 126650.	7.5	3
1207	The Role of Endoplasmic Reticulum in Lipotoxicity during Metabolic Dysfunction–Associated Steatotic Liver Disease (MASLD) Pathogenesis. American Journal of Pathology, 2023, 193, 1887-1899.	3.8	3
1208	Centrins control chicken cone cell lipid droplet dynamics through lipid-droplet-localized SPDL1. Developmental Cell, 2023, 58, 2528-2544.e8.	7.0	0
1209	25-hydroxycholesterol: an integrator of antiviral ability and signaling. Frontiers in Immunology, 0, 14,	4.8	0
1211	Two Polarity-Sensitive Fluorescent Probes Based on Curcumin Analogs for Visualizing Polarity Changes in Lipid Droplets. Molecules, 2023, 28, 6626.	3.8	Ο
1212	Lipid droplets modulate proteostasis, SQST-1/SQSTM1 dynamics, and lifespan in C.Âelegans. IScience, 2023, 26, 107960.	4.1	2
1214	Both moderate- and high-intensity exercise training increase intramyocellular lipid droplet abundance and modify myocellular distribution in adults with obesity. American Journal of Physiology - Endocrinology and Metabolism, 2023, 325, E466-E479.	3.5	0
1215	Fluorescence Imaging of Diabetic Cataract-Associated Lipid Droplets in Living Cells and Patient-Derived Tissues. ACS Sensors, 2023, 8, 3882-3891.	7.8	1
1217	Abolishing storage lipids induces protein misfolding and stress responses in <i>Yarrowia lipolytica</i> . Journal of Industrial Microbiology and Biotechnology, 2023, 50, .	3.0	0
1218	Identification of novel proteins regulating lipid droplet biogenesis in filamentous fungi. Molecular Microbiology, 2023, 120, 702-722.	2.5	0
1219	Targeting fatty acid uptake and metabolism in cancer cells: A promising strategy for cancer treatment. Biomedicine and Pharmacotherapy, 2023, 167, 115591.	5.6	1
1220	Microglia Lipid Droplets in Physiology and Neurodegeneration. , 2023, , 289-303.		0
1221	The cell biology of APOE in the brain. Trends in Cell Biology, 2023, , .	7.9	3

#	Article	IF	CITATIONS
1223	GADD45A regulates subcutaneous fat deposition and lipid metabolism by interacting with Stat1. BMC Biology, 2023, 21, .	3.8	1
1224	<i>Wolbachia</i> interferes with Zika virus replication by hijacking cholesterol metabolism in mosquito cells. Microbiology Spectrum, 2023, 11, .	3.0	2
1225	Perilipin 1 Deficiency Prompts Lipolysis in Lipid Droplets and Aggravates the Pathogenesis of Persistent Immune Activation in <i>Drosophila</i> . Journal of Innate Immunity, 2023, 15, 697-708.	3.8	1
1226	Pinch-off droplet generator using microscale gigahertz acoustics. Lab on A Chip, 2023, 23, 4860-4867.	6.0	2
1227	Rational design of a two-photon probe with solvatochromic emission and AIE-activity for lipid droplet specific imaging. Dyes and Pigments, 2023, 220, 111735.	3.7	0
1228	Podocyte injury of diabetic nephropathy: Novel mechanism discovery and therapeutic prospects. Biomedicine and Pharmacotherapy, 2023, 168, 115670.	5.6	3
1229	Altered hepatic lipid droplet morphology and lipid metabolism in fasted Plin2-null mice. Journal of Lipid Research, 2023, 64, 100461.	4.2	1
1231	Caveolin-1 and lipids: Association and their dualism in oncogenic regulation. Biochimica Et Biophysica Acta: Reviews on Cancer, 2023, 1878, 189002.	7.4	0
1232	Lipid storage disease in 4 sibling superb birds-of-paradise (<i>Lophorina superba</i>). Veterinary Pathology, 0, , .	1.7	0
1233	<scp>StarD7</scp> deficiency switches on glycolysis and promotes mitophagy flux in <scp>C2C12</scp> myoblasts. FEBS Journal, 2024, 291, 338-357.	4.7	0
1234	Multifunctional photosensitizers for the activation and visualization of pyroptotic cell death under photodynamic therapy. Sensors and Actuators B: Chemical, 2024, 399, 134799.	7.8	0
1235	Porcine enteric alphacoronavirus infection increases lipid droplet accumulation to facilitate the virus replication. Journal of Integrative Agriculture, 2024, 23, 988-1005.	3.5	0
1236	Tumor cell membrane remodeling with universal ligand for CAR-T cells to inhibit solid tumors. Science China Chemistry, 0, , .	8.2	0
1237	Untargeted Lipidomics Analysis Unravels the Different Metabolites in the Fat Body of Mated Bumblebee (Bombus terrestris) Queens. International Journal of Molecular Sciences, 2023, 24, 15408.	4.1	0
1238	Analysis of unsaturated fatty acids by supercritical fluid chromatography tandem mass spectrometry coupled with online PaternA2-BA1/4 chi reaction. Microchemical Journal, 2023, 195, 109551.	4.5	0
1239	Maturation of lipid metabolism in the fetal and newborn sheep heart. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2023, 325, R809-R819.	1.8	1
1240	Sigma1 Regulates Lipid Droplet–Mediated Redox Homeostasis Required for Prostate Cancer Proliferation. Cancer Research Communications, 2023, 3, 2195-2210.	1.7	0
1241	Emerging Alzheimer's disease therapeutics: promising insights from lipid metabolism and microglia-focused interventions. Frontiers in Aging Neuroscience, 0, 15, .	3.4	Ο

#	Article	IF	CITATIONS
1242	No Net-Utilization of Intramuscular Lipid Droplets during Repeated High-Intensity Intermittent Exercise. American Journal of Physiology - Endocrinology and Metabolism, 0, , .	3.5	0
1243	Loss of phospholipase PLAAT3 causes a mixed lipodystrophic and neurological syndrome due to impaired PPARÎ ³ signaling. Nature Genetics, 2023, 55, 1929-1940.	21.4	2
1244	What can be lost? Genomic perspective on the lipid metabolism of Mucoromycota. IMA Fungus, 2023, 14,	3.8	0
1245	Cigarette smoke extract induces foam cell formation by impairing machinery involved in lipid droplet degradation. Pflugers Archiv European Journal of Physiology, 0, , .	2.8	1
1246	Organelle-specific Mechanisms of Ferroptosis. , 2023, , 263-289.		0
1247	Reversible translocation of acyl-CoA:cholesterol acyltransferase (ACAT) between the endoplasmic reticulum and vesicular structures. Frontiers in Molecular Biosciences, 0, 10, .	3.5	0
1248	LncRNAsâ€circRNAs as Rising Epigenetic Binary Superstars in Regulating Lipid Metabolic Reprogramming of Cancers. Advanced Science, 2024, 11, .	11.2	0
1249	Cholesterol Metabolism in Pancreatic Cancer. Cancers, 2023, 15, 5177.	3.7	0
1250	Lipid droplets in pathogen infection and host immunity. Acta Pharmacologica Sinica, 0, , .	6.1	1
1251	Chromatin balances cell redox and energy homeostasis. Epigenetics and Chromatin, 2023, 16, .	3.9	0
1252	Ferroptosis: potential targets and emerging roles in pancreatic diseases. Archives of Toxicology, 0, , .	4.2	0
1253	Binding of perilipin 3 to membranes containing diacylglycerol is mediated by conserved residues within its PAT domain. Journal of Biological Chemistry, 2023, 299, 105384.	3.4	2
1254	Degeneration of oil bodies by rough endoplasmic reticulum (rER)-associated protein during seed germination in <i>Cannabis sativa</i> L. AoB PLANTS, 2023, 15, .	2.3	0
1255	Lipid compartments and lipid metabolism as therapeutic targets against coronavirus. Frontiers in Immunology, 0, 14, .	4.8	0
1256	Synthesis, structure, photophysical property, stability of tetraphenylethylene-based boranil, and applications in cell imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2024, 308, 123730.	3.9	0
1257	Diet Change Improves Obesity and Lipid Deposition in High-Fat Diet-Induced Mice. Nutrients, 2023, 15, 4978.	4.1	0
1258	Time-resolved fluorescence imaging with color-changing, "turn-on/turn-on―AlE nanoparticles. CheM, 2024, 10, 578-599.	11.7	1
1259	PKCβll–ACSL4 Axis Triggers Ferroptosis and Its Potential Implication in Ferroptosis-Related Diseases. , 2023, , 431-443.		0

		CITATION REPORT		
#	Article		IF	Citations
1260	Human PBMCs Form Lipid Droplets in Response to Spike Proteins. Microorganisms, 20	23, 11, 2683.	3.6	0
1263	In vivo observation of lipid droplets in coral calcifying cells: fat stores to fuel the reef-bu process?. Coral Reefs, 2023, 42, 1379-1384.	iilding	2.2	Ο
1265	Ola1p trafficking indicates an interaction network between mitochondria, lipid droplet granules in times of stress. Journal of Lipid Research, 2023, 64, 100473.	s, and stress	4.2	0
1267	Retinal ischemia-reperfusion injury induces intense lipid synthesis and remodeling. Bioc Biophysical Research Communications, 2023, 689, 149232.	hemical and	2.1	0
1268	BASHY Dyes Are Highly Efficient Lipid Droplet-Targeting Photosensitizers that Induce Foundation Photosensitizers that Induce Foundation Photosensitizers that Induce Foundation Photosensity, 2023, 34, 2337-2344.	erroptosis	3.6	0
1269	Therapeutic Targeting of Lung Adenocarcinoma with Mannose-Coated Chitosan/Coppe Nanocluster–Levocetirizine Nanocomposite. ACS Applied Nano Materials, 2023, 6, 2	r 1371-21384.	5.0	1
1272	Qa-SNARE syntaxin 18 mediates lipid droplet fusion with SNAP23 and SEC22B. Cell Dis	covery, 2023, 9, .	6.7	0
1273	Genome-wide identification and a comparative transcriptomics approach reveal FaSAD strawberry fruit ripening regulator. Scientia Horticulturae, 2024, 325, 112702.	3 as a	3.6	0
1274	Protocol to induce de novo lipid droplets inÂSaccharomyces cerevisiae. STAR Protocols	, 2023, 4, 102732.	1.2	1
1275	<i>Shigella flexneri</i> remodeling and consumption of host lipids during infection. Jou Bacteriology, 0, , .	irnal of	2.2	0
1276	Lipid metabolism-associated genes serve as potential predictive biomarkers in neoadjuv chemoradiotherapy combined with immunotherapy in rectal cancer. Translational Onco 101828.	/ant ology, 2024, 39,	3.7	0
1277	Metabolomic analysis reveals the toxicity mechanisms of bisphenol A on the Microcyst under different phosphorus levels. Environmental Pollution, 2024, 342, 123022.	s aeruginosa	7.5	3
1278	The lipid metabolism remodeling: A hurdle in breast cancer therapy. Cancer Letters, 20.	24, 582, 216512.	7.2	1
1279	Lipid overload-induced RTN3 activation leads to cardiac dysfunction by promoting lipid biogenesis. Cell Death and Differentiation, 2024, 31, 292-308.	droplet	11.2	0
1280	Lipid metabolism in B cell biology. Molecular Oncology, 0, , .		4.6	0
1284	Rab18 Drift in Lipid Droplet and Endoplasmic Reticulum Interactions of Adipocytes und Conditions. International Journal of Molecular Sciences, 2023, 24, 17177.	er Obesogenic	4.1	0
1285	Nanointegrative In Situ Reprogramming of Tumor-Intrinsic Lipid Droplet Biogenesis for Radiation-Activated Ferroptosis Immunotherapy. ACS Nano, 0, , .	Low-Dose	14.6	0
1286	Mitochondria isolated from lipid droplets of white adipose tissue reveal functional diffe on lipid droplet size. Life Science Alliance, 2024, 7, e202301934.	rences based	2.8	0

#	Article	IF	Citations
1287	An ICT-switched fluorescent probe for visualizing lipid and HClO in lipid droplets during ferroptosis. Chemical Communications, O	4.1	0
1288	Spectral fingerprinting of cellular lipid droplets using stimulated Raman scattering microscopy and chemometric analysis. Analyst, The, 0, , .	3.5	0
1289	Regulation of lipolysis by 14-3-3 proteins on human adipocyte lipid droplets. , 0, , .		1
1291	Proteomics analysis of the brain from a Gaucher disease mouse identifies pathological pathways including a possible role for transglutaminase 1. Journal of Neurochemistry, 2024, 168, 52-65.	3.9	0
1292	The Plasma Membrane H+ ATPase CsPMA2 Regulates Lipid Droplet Formation, Appressorial Development and Virulence in Colletotrichum siamense. International Journal of Molecular Sciences, 2023, 24, 17337.	4.1	0
1293	Endoplasmic Reticulum Stress and Its Impact on Adipogenesis: Molecular Mechanisms Implicated. Nutrients, 2023, 15, 5082.	4.1	0
1294	The Coumarin-Derivative Esculetin Protects against Lipotoxicity in Primary Rat Hepatocytes via Attenuating JNK-Mediated Oxidative Stress and Attenuates Free Fatty Acid-Induced Lipid Accumulation. Antioxidants, 2023, 12, 1922.	5.1	2
1295	Photoactivatable aggregationâ€induced emission luminogens based on photodehydrogenation reactions for biomedical applications. Luminescence, 2024, 39, .	2.9	0
1296	Thioredoxin domain containing 5 is involved in the hepatic storage of squalene into lipid droplets in a sex-specific way. Journal of Nutritional Biochemistry, 2024, 124, 109503.	4.2	0
1297	Pilot Lipidomics Study of Copepods: Investigation of Potential Lipid-Based Biomarkers for the Early Detection and Quantification of the Biological Effects of Climate Change on the Oceanic Food Chain. Life, 2023, 13, 2335.	2.4	0
1298	Antimicrobial peptide LL-37 disrupts plasma membrane and calcium homeostasis in <i>Candida albicans</i> via the Rim101 pathway. Microbiology Spectrum, 2023, 11, .	3.0	0
1299	TGF-β1 Decreases Microglia-Mediated Neuroinflammation and Lipid Droplet Accumulation in an In Vitro Stroke Model. International Journal of Molecular Sciences, 2023, 24, 17329.	4.1	1
1300	Lipid Droplets Specific Fluorophore for Demarcation of Normal and Diseased Tissues. ChemBioChem, 2024, 25, .	2.6	0
1301	Liposome-Mediated Anti-Viral Drug Delivery Across Blood–BrainÂBarrier: Can Lipid Droplet Target Be Game Changers?. Cellular and Molecular Neurobiology, 2024, 44, .	3.3	0
1302	Mitofusin-2 induced by exercise modifies lipid droplet-mitochondria communication, promoting fatty acid oxidation in male mice with NAFLD. Metabolism: Clinical and Experimental, 2024, 152, 155765.	3.4	0
1304	TFAM-mediated intercellular lipid droplet transfer promotes cadmium-induced mice nonalcoholic fatty liver disease. Journal of Hazardous Materials, 2024, 465, 133151.	12.4	0
1306	Rotavirus-mediated DGAT1 degradation: A pathophysiological mechanism of viral-induced malabsorptive diarrhea. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	5
1307	Prevention of lipid droplet accumulation by DGAT1 inhibition ameliorates sepsis-induced liver injury and inflammation. JHEP Reports, 2024, 6, 100984.	4.9	1

#	Article	IF	CITATIONS
1308	PIM1 drives lipid droplet accumulation to promote proliferation and survival in prostate cancer. Oncogene, 0, , .	5.9	0
1310	Lysosomal microautophagy: an emerging dimension in mammalian autophagy. Trends in Cell Biology, 2023, , .	7.9	1
1311	Lipid droplet formation is spatiotemporally regulated in oocytes during follicular development in mice. Journal of Reproduction and Development, 2024, 70, 18-24.	1.4	0
1313	Antiviral <i>Wolbachia</i> strains associate with <i>Aedes aegypti</i> endoplasmic reticulum membranes and induce lipid droplet formation to restrict dengue virus replication. MBio, 2024, 15, .	4.1	0
1314	Molecular mechanisms and energetics of lipid droplet formation and directional budding. Soft Matter, 0, , .	2.7	0
1315	Lysine tRNA fragments and miR-194-5p co-regulate hepatic steatosis via β-Klotho and perilipin 2. Molecular Metabolism, 2024, 79, 101856.	6.5	0
1316	Molecular mechanisms of perilipin protein function in lipid droplet metabolism. FEBS Letters, 0, , .	2.8	1
1317	Multifunctional Hydrazoneâ€Based AIEgens Enabled by Hydrogenâ€Halogen Interaction. Advanced Optical Materials, 0, , .	7.3	0
1318	Paxillin family proteins Hic-5 and LPXN promote lipid storage by regulating the ubiquitination degradation of CIDEC. Journal of Biological Chemistry, 2024, 300, 105610.	3.4	0
1319	Effect of Mycolic Acids on Host Immunity and Lipid Metabolism. International Journal of Molecular Sciences, 2024, 25, 396.	4.1	0
1320	An Expanded EDA Complex Profile: Construction of Aza-arenes and Their Synthetic Application as Fluorescence Probes. Organic Letters, 0, , .	4.6	1
1321	The multivalency game ruling the biology of immunity. Biophysics Reviews, 2023, 4, .	2.7	Ο
1322	Cell cycle arrest induces lipid droplet formation and confers ferroptosis resistance. Nature Communications, 2024, 15, .	12.8	1
1323	Late-Stage Functionalization of Living Organisms: Rethinking Selectivity in Biology. Chemical Reviews, 2024, 124, 889-928.	47.7	1
1324	Lipid droplets, autophagy, and ER stress as key (survival) pathways during ischemiaâ€reperfusion of transplanted grafts. Cell Biology International, 2024, 48, 253-279.	3.0	0
1325	Brain energy metabolism: A roadmap for future research. Journal of Neurochemistry, 0, , .	3.9	1
1326	A nanoemulsion targeting adipose hypertrophy and hyperplasia shows anti-obesity efficiency in female mice. Nature Communications, 2024, 15, .	12.8	0
1327	The peroxisome: an update on mysteries 3.0. Histochemistry and Cell Biology, 2024, 161, 99-132.	1.7	1

		CITATION REPORT		
# 1328	ARTICLE Lipids as mediators of cancer progression and metastasis. Nature Cancer, 2024, 5, 16-2	9.	IF 13.2	CITATIONS 2
1329	Mfn2/Hsc70 Complex Mediates the Formation of Mitochondriaâ€Lipid Droplets Membr Regulates Myocardial Lipid Metabolism. Advanced Science, 2024, 11, .	ane Contact and	11.2	0
1330	An Overview on Lipid Droplets Accumulation as Novel Target for Acute Myeloid Leukem Biomedicines, 2023, 11, 3186.	ia Therapy.	3.2	0
1331	Lipid Metabolism Modulation during SARS-CoV-2 Infection: A Spotlight on Extracellular Therapeutic Prospects. International Journal of Molecular Sciences, 2024, 25, 640.	Vesicles and	4.1	2
1332	Exploring Host Factors of the Human Metabolism as Promising Targets for Dengue Trea Infectious Diseases, 0, , .	tment.	4.0	0
1334	Spartin-mediated lipid transfer facilitates lipid droplet turnover. Proceedings of the Nati Academy of Sciences of the United States of America, 2024, 121, .	onal	7.1	1
1335	FOXO3: at the crossroads of metabolic, inflammatory, and tumorigenic remodeling in t American Journal of Physiology - Renal Physiology, 2024, 326, G247-G251.	ne colon.	3.4	0
1337	HR/MS-based lipidome analysis of rat brain modulated by tolcapone. Journal of Pharmac Biomedical Analysis, 2024, 241, 115971.	eutical and	2.8	0
1338	Near-Native Imaging of Label-Free Silver Nanoparticles-Triggered 3D Subcellular Ultrastr Reorganization in Microalgae. ACS Nano, 2024, 18, 2030-2046.	uctural	14.6	0
1339	APOE genotype dictates lipidomic signatures in primary human hepatocytes. Journal of 2024, 65, 100498.	Lipid Research,	4.2	0
1340	Knockdown of NEAT1 prevents post-stroke lipid droplet agglomeration in microglia by r autophagy. Cellular and Molecular Life Sciences, 2024, 81, .	egulating	5.4	0
1342	Are lipid droplets the picnic basket of brain tumours?. Cell Death Discovery, 2024, 10, .		4.7	0
1343	Mild synthesis of ultra-bright carbon dots with solvatochromism for rapid lipid droplet n in varied physiological processes. International Journal of Energy Production and Manag 11, .	nonitoring jement, 2024,	3.7	0
1344	Making the connection: How membrane contact sites have changed our view of organe Cell, 2024, 187, 257-270.	lle biology.	28.9	1
1345	Deletion of the lipid droplet protein kinase gene affects lipid droplets biogenesis, parasi and resistance to trivalent antimony in Leishmania infantum. PLoS Neglected Tropical D 18, e0011880.	te infectivity, viseases, 2024,	3.0	0
1346	Red-emissive carbon quantum dots minimize phototoxicity for rapid and long-term lipid monitoring. Chinese Chemical Letters, 2024, , 109523.	droplet	9.0	0
1348	The lipid droplet in cancer: From being a tumorâ€supporting hallmark to clinical therapy Physiologica, 2024, 240,	/. Acta	3.8	0
1349	A lipid index for risk of hyperlipidemia caused by anti-retroviral drugs. Antiviral Research 105819.	, 2024, 223,	4.1	0

#	ARTICLE	IF	CITATIONS
 1351	FABP6 serves as a new therapeutic target in esophageal tumor. Aging, 2024, 16, 1640-1662.	3.1	1
1352	Functional interplay of lipid droplets and mitochondria. FEBS Letters, 0, , .	2.8	0
1353	A transcriptomic examination of encased rotifer embryos reveals the developmental trajectory leading to long-term dormancy; are they "animal seeds�. BMC Genomics, 2024, 25, .	2.8	0
1354	Lipid droplets and fatty acidâ€induced lipotoxicity: in a nutshell. FEBS Letters, 0, , .	2.8	1
1355	Endoplasmic Reticulum-Targeting Quinazolinone-Based Lipophilic Probe for Specific Photoinduced Ferroptosis and Its Induced Lipid Dynamic Regulation. Journal of Medicinal Chemistry, 2024, 67, 1900-1913.	6.4	0
1356	Oleic acid differentially affects lipid droplet storage of <i>de novo</i> synthesized lipids in hepatocytes and adipocytes. Chemical Communications, 2024, 60, 3138-3141.	4.1	0
1357	A two-in-one probe: imaging lipid droplets and endoplasmic reticulum in tandem. Journal of Materials Chemistry B, 2024, 12, 2028-2041.	5.8	0
1358	Nearâ€infrared aggregationâ€induced emission materials: Bibliometric analysis and their application in biomedical field. Aggregate, 0, , .	9.9	0
1359	Lipid dropletâ€ŧargeted NIR AIE photosensitizer evoking concurrent ferroptosis and apoptosis. Aggregate, 0, , .	9.9	0
1360	Polymeric microenvironment enhancing polarity response sensitivity for discriminating lipid droplets in cancer cells. Analytica Chimica Acta, 2024, 1297, 342330.	5.4	0
1361	Spartin is a receptor for the autophagy of lipid droplets. Nature Cell Biology, 2023, 25, 1085-1086.	10.3	0
1362	1,25-dihydroxyvitamin D ₃ affects thapsigargin-induced endoplasmic reticulum stress in 3T3-L1 adipocytes. Nutrition Research and Practice, 2024, 18, 1.	1.9	0
1363	IL-4 activates the futile triacylglyceride cycle for glucose utilization in white adipocytes. Biochemical Journal, 2024, 481, 329-344.	3.7	0
1364	Microcephaly with a disproportionate hippocampal reduction, stem cell loss and neuronal lipid droplet symptoms in Trappc9 KO mice. Neurobiology of Disease, 2024, 192, 106431.	4.4	0
1365	DDHD2, whose mutations cause spastic paraplegia type 54, enhances lipophagy via engaging ATG8 family proteins. Cell Death and Differentiation, 2024, 31, 348-359.	11.2	1
1366	Nazo, the Drosophila homolog of the NBIA-mutated protein–c19orf12, is required for triglyceride homeostasis. PLoS Genetics, 2024, 20, e1011137.	3.5	0
1367	APOE traffics to astrocyte lipid droplets and modulates triglyceride saturation and droplet size. Journal of Cell Biology, 2024, 223, .	5.2	1
1368	Targeting MYC induces lipid droplet accumulation by upregulation of HILPDA in clear cell renal cell carcinoma. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, .	7.1	1

#	Article	IF	CITATIONS
1369	Lipids signaling and unsaturation of fatty acids participate in ramie response to submergence stress and hypoxia-responsive gene regulation. International Journal of Biological Macromolecules, 2024, 263, 130104.	7.5	0
1370	Protein aggregation and biomolecular condensation in hypoxic environments (Review). International Journal of Molecular Medicine, 2024, 53, .	4.0	0
1372	LDO proteins and Vac8 form a vacuole-lipid droplet contact site to enable starvation-induced lipophagy in yeast. Developmental Cell, 2024, 59, 759-775.e5.	7.0	1
1373	Lipid Metabolism as a Potential Target of Liver Cancer. Journal of Hepatocellular Carcinoma, 0, Volume 11, 327-346.	3.7	0
1374	2,5-Dimethoxy-Benzylidene-Rhodanine and Its Acyclic Analogues as Selective Fluorogenic Dyes for Lipid Droplets of Living Cells. Russian Journal of Bioorganic Chemistry, 2024, 50, 251-259.	1.0	0
1375	Lipid droplets in the endothelium: The missing link between metabolic syndrome and cardiovascular disease?. Journal of Clinical Investigation, 2024, 134, .	8.2	0
1376	The cell biology of ferroptosis. Nature Reviews Molecular Cell Biology, 0, , .	37.0	1
1377	A metabolically controlled contact site between vacuoles and lipid droplets in yeast. Developmental Cell, 2024, 59, 740-758.e10.	7.0	0
1378	Loss of flavin-containing monooxygenase 3 modulates dioxin-like polychlorinated biphenyl 126-induced oxidative stress and hepatotoxicity. Environmental Research, 2024, 250, 118492.	7.5	0
1379	Two-photon excitation photosensitizers for photodynamic therapy: From small-molecules to nano-complex systems. Coordination Chemistry Reviews, 2024, 506, 215711.	18.8	0
1380	Pyruvate dehydrogenase kinase 2 knockdown restores the ability of <scp>amyotrophic lateral sclerosis</scp> â€inked <scp>SOD1G93A</scp> rat astrocytes to support motor neuron survival by increasing mitochondrial respiration. Glia, 2024, 72, 999-1011.	4.9	0
1381	Endo-lysosomal dysfunction and neuronal–glial crosstalk in Niemann–Pick type C disease. Philosophical Transactions of the Royal Society B: Biological Sciences, 2024, 379, .	4.0	0
1383	Emerging role of senescent microglia in brain aging-related neurodegenerative diseases. Translational Neurodegeneration, 2024, 13, .	8.0	0
1384	Bimodal effects on lipid droplets induced in cancer and non-cancer cells by chemotherapy drugs as revealed with a green-emitting BODIPY fluorescent probe. Journal of Materials Chemistry B, 2024, 12, 3022-3030.	5.8	0
1385	Mechanistic insight of mitochondrial dysfunctions in cardiovascular diseases with potential biomarkers. Molecular and Cellular Toxicology, 0, , .	1.7	0
1386	An iron rheostat controls hematopoietic stem cell fate. Cell Stem Cell, 2024, 31, 378-397.e12.	11.1	0
1387	Initial nutrient condition determines the recovery speed of quiescent cells in fission yeast. Heliyon, 2024, 10, e26558.	3.2	0
1388	The mechanism of encapsulating curcumin into oleosomes (Lipid Droplets). Colloids and Surfaces B: Biointerfaces, 2024, 236, 113819.	5.0	0

#	Article	IF	CITATIONS
1389	Cancer cells employ lipid droplets to survive toxic stress. Prostate, 2024, 84, 644-655.	2.3	0
1391	Leishmania highjack host lipid body for its proliferation in macrophages by overexpressing host Rab18 and TRAPPC9 by downregulating miR-1914-3p expression. PLoS Pathogens, 2024, 20, e1012024.	4.7	0
1392	A novel fluorescent probe for visualizing viscosity changes in lipid droplets during chemotherapy-induced ferroptosis. Analytica Chimica Acta, 2024, 1299, 342422.	5.4	0
1393	Acetyl-CoA carboxylase 1 controls a lipid droplet–peroxisome axis and is a vulnerability of endocrine-resistant ER ⁺ breast cancer. Science Translational Medicine, 2024, 16, .	12.4	0
1394	Single Fluorescent Probe for Multiple Tasks: Illuminating Lipid Droplets and Lysosomes in Dual Channels and Distinguishing Autophagy and Apoptosis. Analytical Chemistry, 2024, 96, 4013-4022.	6.5	0
1395	General autophagy-dependent and -independent lipophagic processes collaborate to regulate the overall level of lipophagy in yeast. Autophagy, 0, , 1-14.	9.1	0
1396	Mechanisms of Spirodela polyrhiza tolerance to FGD wastewater-induced heavy-metal stress: Lipidomics, transcriptomics, and functional validation. Journal of Hazardous Materials, 2024, 469, 133951.	12.4	0
1398	Intracellular lipase and regulation of the lipid droplet. Current Opinion in Lipidology, 2024, 35, 85-92.	2.7	0
1399	Tuning Molecular Packing by Twisting Structure to Facilely Construct Highly Efficient Solid‣tate Fluorophores for Twoâ€Photon Bioimaging and Photodynamic Therapy. Advanced Functional Materials, 0, , .	14.9	0
1400	Lipid droplets and cellular lipid flux. Nature Cell Biology, 2024, 26, 331-345.	10.3	0
1401	The role of fatty acid metabolism in acute lung injury: a special focus on immunometabolism. Cellular and Molecular Life Sciences, 2024, 81, .	5.4	0
1402	Solvatochromic Buffering Fluorescent Probe Resolves the Lipid Transport and Morphological Changes during Lipid Droplet Fusion by Super-Resolution Imaging. Analytical Chemistry, 2024, 96, 4709-4715.	6.5	0
1403	The Lipidomic Signature of Glioblastoma: A Promising Frontier in Cancer Research. Cancers, 2024, 16, 1089.	3.7	0
1404	Lipid droplets provide metabolic flexibility for cancer progression. FEBS Letters, 0, , .	2.8	0
1405	A unifying mechanism for seipinâ \in mediated lipid droplet formation. FEBS Letters, 0, , .	2.8	0
1406	Diffusion Analyses along Mean and Gaussian-Curved Membranes with CurD. Journal of Physical Chemistry Letters, 2024, 15, 3214-3220.	4.6	0
1407	A comparison between different human hepatocyte models reveals profound differences in net glucose production, lipid composition and metabolism in vitro. Experimental Cell Research, 2024, 437, 114008.	2.6	0
1408	Co-immunoprecipitation for identifying protein-protein interaction on lipid droplets. Biophysics Reports, 2024, 9, 1.	0.8	0

#	Article	IF	CITATIONS
1409	<i>Chlamydia psittaci</i> infected cell studies by 4Pi Raman and atomic force microscopy. Microscopy (Oxford, England), 0, , .	1.5	0
1410	Lipid Droplets: Formation, Degradation, and Their Role in Cellular Responses to Flavivirus Infections. Microorganisms, 2024, 12, 647.	3.6	0
1411	Boron Nitride Nanosheets Induce Lipid Accumulation and Autophagy in Human Alveolar Lung Epithelial Cells Cultivated at Airâ€Liquid Interface. Small, 0, , .	10.0	0
1412	International consensus guidelines for the definition, detection, and interpretation of autophagy-dependent ferroptosis. Autophagy, 0, , 1-34.	9.1	0
1413	Integrated stress response signaling acts as a metabolic sensor in fat tissues to regulate oocyte maturation and ovulation. Cell Reports, 2024, 43, 113863.	6.4	0
1414	Hepatocellular Carcinoma LINC01116 Outcompetes T Cells for Linoleic Acid and Accelerates Tumor Progression. Advanced Science, 0, , .	11.2	0
1415	A Novel Fluorogenic Probe Reveals Lipid Droplet Dynamics in ME/CFS Fibroblasts. , 0, , .		0
1416	Navigating the omics era of lipid metabolism. Developmental Cell, 2024, 59, 561-565.	7.0	0
1417	An inside job: New roles for ApoE at the lipid droplet. Journal of Cell Biology, 2024, 223, .	5.2	0
1418	Lipid droplets as substrates for protein phase separation. Biophysical Journal, 2024, , .	0.5	0
1419	Research Progress on Lipophagy-Mediated Exercise Intervention in Non-Alcoholic Fatty Liver Disease. International Journal of Molecular Sciences, 2024, 25, 3153.	4.1	0
1420	The role of DGAT1 and DGAT2 in regulating tumor cell growth and their potential clinical implications. Journal of Translational Medicine, 2024, 22, .	4.4	0
1421	Screening drug-induced liver injury through two independent parameters of lipid droplets and peroxynitrite with a π-extended coumarin-based NIR fluorescent probe. Sensors and Actuators B: Chemical, 2024, 410, 135659.	7.8	0
1422	Ferroptosis mechanisms and regulations in cardiovascular diseases in the past, present, and future. Cell Biology and Toxicology, 2024, 40, .	5.3	0
1423	Mutational scanning pinpoints distinct binding sites of key ATGL regulators in lipolysis. Nature Communications, 2024, 15, .	12.8	0
1424	Exploring the Relationship Among Lipid Profile Changes, Growth, and Reproduction in <i>Folsomia candida</i> Exposed to Teflubenzuron Over Time. Environmental Toxicology and Chemistry, 2024, 43, 1149-1160.	4.3	0
1425	Obesity, dyslipidemia, and cardiovascular disease: A joint expert review from the Obesity Medicine Association and the National Lipid Association 2024. , 2024, 10, 100108.		0
1427	Neuroinvasive virus facilitates viral replication by employing lipid droplets to reduce arachidonic acid-induced ferroptosis. Journal of Biological Chemistry, 2024, 300, 107168.	3.4	0

#	Article	IF	CITATIONS
1428	APOE4/4 is linked to damaging lipid droplets in Alzheimer's diseaseÂmicroglia. Nature, 2024, 628, 154-161.	27.8	0
1429	T-cell metabolism in rheumatoid arthritis: focus on mitochondrial and lysosomal dysfunction. Immunopharmacology and Immunotoxicology, 0, , 1-7.	2.4	0
1430	ER-organelle contacts: A signaling hub for neurological diseases. Pharmacological Research, 2024, 203, 107149.	7.1	0