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The life of lipid droplets

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381	Lipid droplets at a glance. 2009 , 122, 749-52		271
380	Ablation of cholesterol biosynthesis in neural stem cells increases their VEGF expression and angiogenesis but causes neuron apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 8350-5	11.5	47
379	Functional analysis of FSP27 protein regions for lipid droplet localization, caspase-dependent apoptosis, and dimerization with CIDEA. 2009 , 297, E1395-413		57
378	Glucocorticoid-stimulated, transcription-independent release of annexin A1 by cochlear Hensen cells. 2009 , 158, 1820-34		20
377	Lipid droplets finally get a little R-E-S-P-E-C-T. 2009 , 139, 855-60		650
376	Algal lipid bodies: stress induction, purification, and biochemical characterization in wild-type and starchless <i>Chlamydomonas reinhardtii</i> . 2009 , 8, 1856-68		463
375	Renal lipid metabolism and lipotoxicity. 2010 , 19, 393-402		206
374	Autophagy and lipids: tightening the knot. 2010 , 32, 343-53		34
373	Ultrastructural and quantitative analysis of the lipid droplet clustering induced by hepatitis C virus core protein. 2010 , 67, 3151-61		24
372	Yolk nucleus--the complex assemblage of cytoskeleton and ER is a site of lipid droplet formation in spider oocytes. 2010 , 39, 350-9		14
371	Lipid droplets: a dynamic organelle moves into focus. 2010 , 584, 2176-82		199
370	Lipid analysis of <i>Neochloris oleoabundans</i> by liquid state NMR. 2010 , 106, 573-83		34
369	Phospholipid demixing and the birth of a lipid droplet. 2010 , 264, 952-61		53
368	Characterisation of the dynamic behaviour of lipid droplets in the early mouse embryo using adaptive harmonic generation microscopy. 2010 , 11, 38		43
367	Triglyceride blisters in lipid bilayers: implications for lipid droplet biogenesis and the mobile lipid signal in cancer cell membranes. <i>PLoS ONE</i> , 2010 , 5, e12811	3.7	100
366	Altered lipid droplet dynamics in hepatocytes lacking triacylglycerol hydrolase expression. 2010 , 21, 1991-2000		69
365	Lipoprotein assembly and function in an evolutionary perspective. 2010 , 1, 165-83		16

364	Biogenesis of lipid droplets--how cells get fatter. 2010 , 27, 462-8		25
363	Know your enemy: translating insights about the molecular biology of hepatitis C virus into novel therapeutic approaches. 2010 , 4, 63-79		7
362	Triacylglycerol homeostasis: insights from yeast. 2010 , 285, 15663-7		104
361	Oleate inhibits steryl ester synthesis and causes liposensitivity in yeast. 2010 , 285, 26832-26841		56
360	Acquisition of nutrients by Chlamydiae: unique challenges of living in an intracellular compartment. 2010 , 13, 4-10		88
359	Lipolysis in adipocytes. 2010 , 42, 555-9		138
358	RNA interference silencing of a major lipid droplet protein affects lipid droplet size in <i>Chlamydomonas reinhardtii</i> . 2010 , 9, 97-106		324
357	The effect of exercise and nutrition on intramuscular fat metabolism and insulin sensitivity. 2010 , 30, 13-34		75
356	Formation of specific receptor-ligand bonds between liquid interfaces. <i>Soft Matter</i> , 2011 , 7, 9130	3.6	8
355	Lipid droplets: size matters. 2011 , 60 Suppl 1, S101-16		105
354	Is fat so bad? Modulation of endoplasmic reticulum stress by lipid droplet formation. 2011 , 103, 271-85		74
353	The Role of Cancer-Associated Adipocytes (CAA) in the Dynamic Interaction Between the Tumor and the Host. 2011 , 111-123		5
352	Hepatic Lipid Metabolism. 2011 , 133-146		8
351	Not just fat: the structure and function of the lipid droplet. 2011 , 3,		301
350	Synthesis of a new fluorescent small molecule probe and its use for in vivo lipid imaging. <i>Chemical Communications</i> , 2011 , 47, 7500-2	5.8	71
349	In vivo analysis of white adipose tissue in zebrafish. 2011 , 105, 63-86		39
348	Phosphatidylcholine synthesis for lipid droplet expansion is mediated by localized activation of CTP:phosphocholine cytidyltransferase. 2011 , 14, 504-15		319
347	Lipid particles/droplets of the yeast <i>Saccharomyces cerevisiae</i> revisited: lipidome meets proteome. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 1165-76	5	161

346	Metabolic link between phosphatidylethanolamine and triacylglycerol metabolism in the yeast <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 1030-7	5	45
345	A thematic review series: lipid droplet storage and metabolism: from yeast to man. <i>Journal of Lipid Research</i> , 2011 , 52, 1865-8	6.3	60
344	Relationship between mitochondria and the development of specific lipid droplets in capillary endothelial cells of the respiratory tract in patients with sarcoidosis. 2011 , 11, 601-6		8
343	Role of endoplasmic reticulum neutral lipid hydrolases. 2011 , 22, 218-25		47
342	Increased very low density lipoprotein (VLDL) secretion, hepatic steatosis, and insulin resistance. 2011 , 22, 353-63		236
341	The contribution of the <i>Drosophila</i> model to lipid droplet research. 2011 , 50, 348-56		65
340	Taking organelles apart, putting them back together and creating new ones: lessons from the endoplasmic reticulum. 2011 , 46, 1-48		10
339	The role of lipid droplets in metabolic disease in rodents and humans. 2011 , 121, 2102-10		431
338	Triacylglycerol biosynthesis: another cellular lipid pathway essential to HCV replication. 2011 , 6, 179-182		
337	Peroxisome metabolism and cellular aging. 2011 , 12, 252-9		122
336	Lysosomal and lipid-associated parameters in the livers of three species of arctic seabird chicks: species differences and relationships with contaminant levels. 2011 , 62, 1652-60		10
335	The proteome of cytosolic lipid droplets isolated from differentiated Caco-2/TC7 enterocytes reveals cell-specific characteristics. 2011 , 103, 499-517		89
334	Conversation between apoptosis and autophagy: "Is it your turn or mine?". 2011 , 16, 321-33		110
333	Isolation of a novel oil globule protein from the green alga <i>Haematococcus pluvialis</i> (Chlorophyceae). 2011 , 46, 851-61		91
332	Organellar lipidomics. 2011 , 6, 1594-6		10
331	Involvement of the <i>Saccharomyces cerevisiae</i> hydrolase Ldh1p in lipid homeostasis. 2011 , 10, 776-81		21
330	High-content imaging of neutral lipid droplets with 1,6-diphenylhexatriene. 2011 , 51, 35-6, 38-42		21
329	Murine diacylglycerol acyltransferase-2 (DGAT2) can catalyze triacylglycerol synthesis and promote lipid droplet formation independent of its localization to the endoplasmic reticulum. 2011 , 286, 28235-46		103

328	The putative <i>Saccharomyces cerevisiae</i> hydrolase Ldh1p is localized to lipid droplets. 2011 , 10, 770-5	18
327	Ancient ubiquitous protein 1 (AUP1) localizes to lipid droplets and binds the E2 ubiquitin conjugase G2 (Ube2g2) via its G2 binding region. 2011 , 286, 5599-606	82
326	Human lysophosphatidylcholine acyltransferases 1 and 2 are located in lipid droplets where they catalyze the formation of phosphatidylcholine. 2011 , 286, 21330-9	110
325	A role for seipin in lipid droplet dynamics and inheritance in yeast. 2011 , 124, 3894-904	107
324	Fsp27 promotes lipid droplet growth by lipid exchange and transfer at lipid droplet contact sites. 2011 , 195, 953-63	226
323	Topography of lipid droplet-associated proteins: insights from freeze-fracture replica immunogold labeling. 2011 , 2011, 409371	16
322	The ubiquitin-like (UBX)-domain-containing protein Ubx2/Ubx8 regulates lipid droplet homeostasis. 2012 , 125, 2930-9	52
321	Quantitative imaging of lipid metabolism in yeast: from 4D analysis to high content screens of mutant libraries. 2012 , 108, 345-65	8
320	Luminal lipid metabolism: implications for lipoprotein assembly. 2012 , 32, 1087-93	51
319	Insulin-containing lipogenic stimuli suppress mast cell degranulation potential and up-regulate lipid body biogenesis and eicosanoid secretion in a PPAR α -dependent manner. 2012 , 92, 653-65	9
318	Opposite and redundant roles of the two <i>Drosophila</i> perilipins in lipid mobilization. 2012 , 125, 3568-77	98
317	WAT is a functional adipocyte?. 2012 , 1, 38-45	16
316	Acetyl-CoA carboxylase 2 ^{-/-} mutant mice are protected against fatty liver under high-fat, high-carbohydrate dietary and de novo lipogenic conditions. 2012 , 287, 12578-88	60
315	Dengue virus capsid protein binding to hepatic lipid droplets (LD) is potassium ion dependent and is mediated by LD surface proteins. 2012 , 86, 2096-108	93
314	Remodeling of lipid droplets during lipolysis and growth in adipocytes. 2012 , 287, 11164-73	115
313	The N-terminal region of acyl-CoA synthetase 3 is essential for both the localization on lipid droplets and the function in fatty acid uptake. <i>Journal of Lipid Research</i> , 2012 , 53, 888-900	6.3 82
312	Mammalian Atg2 proteins are essential for autophagosome formation and important for regulation of size and distribution of lipid droplets. 2012 , 23, 896-909	279
311	Lipid droplet formation on opposing sides of the endoplasmic reticulum. <i>Journal of Lipid Research</i> , 2012 , 53, 1800-10	6.3 69

310	ER Stress and Lipid Metabolism in Adipocytes. 2012 , 2012, 312943	47
309	Macroautophagy and cell responses related to mitochondrial dysfunction, lipid metabolism and unconventional secretion of proteins. 2012 , 1, 168-203	8
308	Stable isotope-labeled Raman imaging reveals dynamic proteome localization to lipid droplets in single fission yeast cells. 2012 , 19, 1373-80	56
307	Treatment of <i>Phaeodactylum tricornutum</i> cells with papain facilitates lipid extraction. 2012 , 162, 40-9	21
306	Re-evaluating lipotoxic triggers in skeletal muscle: relating intramyocellular lipid metabolism to insulin sensitivity. 2012 , 51, 36-49	96
305	Influence of squalene on lipid particle/droplet and membrane organization in the yeast <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012 , 1821, 647-53	5 48
304	Optic atrophy 1-dependent mitochondrial remodeling controls steroidogenesis in trophoblasts. 2012 , 22, 1228-34	64
303	Accumulation of squalene is associated with the clustering of lipid droplets. 2012 , 279, 4231-44	35
302	Genome-wide screens for gene products regulating lipid droplet dynamics. 2012 , 108, 303-16	9
301	Emerging roles for lipid droplets in immunity and host-pathogen interactions. 2012 , 28, 411-37	148
300	Upregulated function of mitochondria-associated ER membranes in Alzheimer disease. 2012 , 31, 4106-23	386
299	Perilipin 2 improves insulin sensitivity in skeletal muscle despite elevated intramuscular lipid levels. 2012 , 61, 2679-90	104
298	Lipid Transport. 2012 , 317-345	5
297	Cortical rotation and messenger RNA localization in <i>Xenopus</i> axis formation. 2012 , 1, 371-88	26
296	The dynamic roles of intracellular lipid droplets: from archaea to mammals. 2012 , 249, 541-85	257
295	Lipid droplets and cellular lipid metabolism. 2012 , 81, 687-714	924
294	Lipid droplet de novo formation and fission are linked to the cell cycle in fission yeast. 2012 , 13, 705-14	55
293	Identification and characterization of DGA2, an acyltransferase of the DGAT1 acyl-CoA:diacylglycerol acyltransferase family in the oleaginous yeast <i>Yarrowia lipolytica</i> . New insights into the storage lipid metabolism of oleaginous yeasts. 2012 , 93, 1523-37	102

292	Biofuels as a sustainable energy source: an update of the applications of proteomics in bioenergy crops and algae. 2013 , 93, 234-44		57
291	PLIN2, the major perilipin regulated during sebocyte differentiation, controls sebaceous lipid accumulation in vitro and sebaceous gland size in vivo. 2013 , 1830, 4642-9		32
290	A novel alkyl phosphocholine-dinitroaniline hybrid molecule exhibits biological activity in vitro against <i>Leishmania amazonensis</i> . 2013 , 135, 153-65		26
289	Protein kinase C α s targeted to lipid droplets. 2013 , 139, 505-11		6
288	Application of flow cytometry for estimation of lipid content changes induced by arachidonic acid and methyl- β -cyclodextrin in the lipid bodies of epithelial cells. 2013 , 7, 134-140		
287	FSP27 and PLIN1 interaction promotes the formation of large lipid droplets in human adipocytes. 2013 , 432, 296-301		79
286	A comparison of lipid storage in <i>Phaeodactylum tricornutum</i> and <i>Tetraselmis suecica</i> using laser scanning confocal microscopy. 2013 , 95, 122-8		28
285	Overexpression of PLIN5 in skeletal muscle promotes oxidative gene expression and intramyocellular lipid content without compromising insulin sensitivity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013 , 1831, 844-52	5	88
284	An efficient synthesis of LipidGreen and its derivatives via microwave assisted reaction and their live lipid imaging in zebrafish. 2013 , 69, 3039-3044		3
283	Triacylglycerol mobilization is suppressed by brefeldin A in <i>Chlamydomonas reinhardtii</i> . 2013 , 54, 1585-99		20
282	Erlins restrict SREBP activation in the ER and regulate cellular cholesterol homeostasis. 2013 , 203, 427-36		48
281	Elevated autophagic sequestration of mitochondria and lipid droplets in steatotic hepatocytes of chronic ethanol-treated rats: an immunohistochemical and electron microscopic study. 2013 , 44, 311-26		84
280	Regulation of cell polarity and RNA localization in vertebrate oocytes. 2013 , 306, 127-85		35
279	Cholesterol ester droplets and steroidogenesis. 2013 , 371, 15-9		46
278	Contraction-induced lipolysis is not impaired by inhibition of hormone-sensitive lipase in skeletal muscle. 2013 , 591, 5141-55		31
277	Optimization of Seoul-Fluor-based lipid droplet bioprobes and their application in microalgae for bio-fuel study. 2013 , 9, 952-6		24
276	Analysis of oil droplets in microalgae. 2013 , 116, 71-82		11
275	High lipid content of irradiated human melanoma cells does not affect cytokine-matured dendritic cell function. 2013 , 62, 3-15		4

274	Triacylglycerol synthesis enzymes mediate lipid droplet growth by relocalizing from the ER to lipid droplets. 2013 , 24, 384-99	485
273	Composition, structure and properties of POPC-triolein mixtures. Evidence of triglyceride domains in phospholipid bilayers. 2013 , 1828, 1909-17	17
272	Non-invasive monitoring of cell metabolism and lipid production in 3D engineered human adipose tissues using label-free multiphoton microscopy. 2013 , 34, 8607-16	21
271	Fat area and lipid droplet morphology of porcine oocytes during in vitro maturation with trans-10, cis-12 conjugated linoleic acid and forskolin. 2013 , 7, 602-9	13
270	Synthesis of LipidGreen2 and its application in lipid and fatty liver imaging. 2013 , 9, 630-3	15
269	Molecular and Cellular Mechanisms for Lipid Synthesis and Accumulation in Microalgae: Biotechnological Implications. 2013 , 545-565	8
268	Adipocyte Lipid Droplet Physiology. 2013 , 123-139	
267	Perilipin1 promotes unilocular lipid droplet formation through the activation of Fsp27 in adipocytes. 2013 , 4, 1594	153
266	The role of phospholipids in the biological activity and structure of the endoplasmic reticulum. 2013 , 1833, 2499-510	127
265	A comparative perspective on lipid storage in animals. 2013 , 126, 1541-52	78
264	Making, baking, and breaking: the synthesis, storage, and hydrolysis of neutral lipids. 2013 , 33, 413-51	37
263	Changes in milk proteome and metabolome associated with dry period length, energy balance, and lactation stage in postparturient dairy cows. 2013 , 12, 3288-96	61
262	Spatially resolved investigation of the oil composition in single intact hyphae of <i>Mortierella</i> spp. with micro-Raman spectroscopy. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013 , 1831, 341-9	5 14
261	Nuclear lipid droplets: a novel nuclear domain. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013 , 1831, 327-40	5 63
260	Detection and quantitation of lipid in the microalga <i>Tetraselmis subcordiformis</i> (Wille) Butcher with BODIPY 505/515 staining. 2013 , 127, 386-90	37
259	Mast cells: from lipid droplets to lipid mediators. 2013 , 125, 121-30	27
258	Survival response to increased ceramide involves metabolic adaptation through novel regulators of glycolysis and lipolysis. 2013 , 9, e1003556	19
257	Measurement of Lipid Droplet Accumulation Kinetics in <i>Chlamydomonas reinhardtii</i> Using Seoul-Fluor. 2013 , 6, 5703-5716	5

256	Monotopic topology is required for lipid droplet targeting of ancient ubiquitous protein 1. <i>Journal of Lipid Research</i> , 2013 , 54, 503-13	6.3	37
255	Acyl-CoA synthetase 3 promotes lipid droplet biogenesis in ER microdomains. 2013 , 203, 985-1001		196
254	Dictyostelium lipid droplets host novel proteins. 2013 , 12, 1517-29		24
253	Lipid droplets and peroxisomes: key players in cellular lipid homeostasis or a matter of fat--store @m up or burn @m down. 2013 , 193, 1-50		161
252	Ectopic lipid storage and insulin resistance: a harmful relationship. 2013 , 274, 25-40		142
251	The internal architecture of leukocyte lipid body organelles captured by three-dimensional electron microscopy tomography. <i>PLoS ONE</i> , 2013 , 8, e59578	3.7	26
250	Transformation of lipid bodies related to hydrocarbon accumulation in a green alga, <i>Botryococcus braunii</i> (Race B). <i>PLoS ONE</i> , 2013 , 8, e81626	3.7	27
249	In vitro activity of the antifungal azoles itraconazole and posaconazole against <i>Leishmania amazonensis</i> . <i>PLoS ONE</i> , 2013 , 8, e83247	3.7	60
248	Refurbishing the plasmodesmal chamber: a role for lipid bodies?. <i>Frontiers in Plant Science</i> , 2014 , 5, 40	6.2	10
247	GROWTH OF MEAT ANIMALS Adipose Tissue Development. 2014 , 43-48		
246	Review: biogenesis of the multifunctional lipid droplet: lipids, proteins, and sites. 2014 , 204, 635-46		305
245	Ultrastructural changes in the rabbit liver induced by carbamate insecticide bendiocarb. 2014 , 49, 616-23		6
244	A role of lipid metabolism during cumulus-oocyte complex maturation: impact of lipid modulators to improve embryo production. 2014 , 2014, 692067		71
243	Mitochondrial and cellular mechanisms for managing lipid excess. 2014 , 5, 282		144
242	Assessing the function of mitochondria-associated ER membranes. 2014 , 547, 181-97		26
241	Ordering and stability in lipid droplets with applications to low-density lipoproteins. 2014 , 89, 062708		
240	Two different pathways of phosphatidylcholine synthesis, the Kennedy Pathway and the Lands Cycle, differentially regulate cellular triacylglycerol storage. 2014 , 15, 43		65
239	Increase in cellular triacylglycerol content and emergence of large ER-associated lipid droplets in the absence of CDP-DG synthase function. 2014 , 25, 4083-95		12

238	A phosphatidylinositol transfer protein integrates phosphoinositide signaling with lipid droplet metabolism to regulate a developmental program of nutrient stress-induced membrane biogenesis. 2014 , 25, 712-27	56
237	Modifications of the C terminus affect functionality and stability of yeast triacylglycerol lipase Tgl3p. 2014 , 289, 19306-16	10
236	Unraveling the complexity of lipid body organelles in human eosinophils. 2014 , 96, 703-12	28
235	Recent advances in physiological lipoprotein metabolism. 2014 , 52, 1695-727	116
234	Lipid transport in the lactating mammary gland. 2014 , 19, 35-42	29
233	Recent insights into the molecular pathophysiology of lipid droplet formation in hepatocytes. 2014 , 54, 86-112	73
232	Yeast lipid metabolism at a glance. 2014 , 14, 369-88	177
231	The intriguing ultrastructure of lipid body organelles within activated macrophages. 2014 , 20, 869-78	12
230	Human Lipodystrophy: An Update in Molecular Genetics and Possible Mechanisms of Fat Loss. 2014 , 219-234	1
229	Regulation of diacylglycerol acyltransferase 2 protein stability by gp78-associated endoplasmic-reticulum-associated degradation. 2014 , 281, 3048-60	32
228	Triglyceride-rich lipoproteins and cytosolic lipid droplets in enterocytes: key players in intestinal physiology and metabolic disorders. 2014 , 96, 48-55	65
227	Ultra-structural analysis of the brain in a Drosophila model of Alzheimer's disease using FIB/SEM microscopy. 2014 , 63, 3-13	7
226	A long wavelength hydrophobic probe for intracellular lipid droplets. <i>Analyst, The</i> , 2014 , 139, 52-4	5 9
225	Molecular speciation and dynamics of oxidized triacylglycerols in lipid droplets: Mass spectrometry and coarse-grained simulations. 2014 , 76, 53-60	20
224	Cytosolic lipid droplets: from mechanisms of fat storage to disease. 2014 , 49, 304-26	72
223	Lipids and RNA virus replication. 2014 , 9, 45-52	19
222	Regulation of adipocytes lipolysis by n-3 HUFA in grass carp (<i>Ctenopharyngodon idellus</i>) in vitro and in vivo. 2014 , 40, 1447-60	17
221	Lipid droplet formation in response to oleic acid in Huh-7 cells is mediated by the fatty acid receptor FFAR4. 2014 , 127, 3104-15	54

220	Accumulation of high-value lipids in single-cell microorganisms: a mechanistic approach and future perspectives. 2014 , 62, 2709-27		101
219	<i>Candida zeylanoides</i> as a new yeast model for lipid metabolism studies: effect of nitrogen sources on fatty acid accumulation. 2014 , 59, 477-84		8
218	Raman imaging providing insights into chemical composition of lipid droplets of different size and origin: in hepatocytes and endothelium. 2014 , 86, 6666-74		55
217	Recent advances in understanding proteins involved in lipid droplet formation, growth and fusion. 2014 , 41, 251-9		37
216	Lipid droplets fusion in adipocyte differentiated 3T3-L1 cells: a Monte Carlo simulation. 2014 , 321, 201-8		12
215	Specialization of oleosins in oil body dynamics during seed development in <i>Arabidopsis</i> seeds. 2014 , 164, 1866-78		68
214	Control of lipid droplet size in budding yeast requires the collaboration between Fld1 and Ldb16. 2014 , 127, 1214-28		83
213	Effects of contaminant exposure and food restriction on hepatic autophagic lysosomal parameters in Herring Gull (<i>Larus argentatus</i>) chicks. 2014 , 164, 43-50		3
212	Lipid Droplets as Signaling Platforms Linking Metabolic and Cellular Functions. 2014 , 7, 7-16		33
211	Intracellular Storage and Metabolic Activation of Retinoids. 2015 , 57-73		
210	MALDI imaging reveals lipid changes in the skin of leprosy patients before and after multidrug therapy (MDT). 2015 , 50, 1374-85		12
209	Chronic Insulin Exposure Induces ER Stress and Lipid Body Accumulation in Mast Cells at the Expense of Their Secretory Degranulation Response. <i>PLoS ONE</i> , 2015 , 10, e0130198	3-7	7
208	Microsomal Triglyceride Transfer Protein (MTP) Associates with Cytosolic Lipid Droplets in 3T3-L1 Adipocytes. <i>PLoS ONE</i> , 2015 , 10, e0135598	3-7	14
207	Phosphatidylcholine: Greasing the Cholesterol Transport Machinery. 2015 , 8, 65-73		21
206	A defect of the vacuolar putative lipase Atg15 accelerates degradation of lipid droplets through lipolysis. 2015 , 11, 1247-58		20
205	Role for Lipid Droplet Biogenesis and Microlipophagy in Adaptation to Lipid Imbalance in Yeast. 2015 , 35, 584-599		110
204	Potent In Vitro Antiproliferative Synergism of Combinations of Ergosterol Biosynthesis Inhibitors against <i>Leishmania amazonensis</i> . 2015 , 59, 6402-18		29
203	Models of lipid droplets growth and fission in adipocyte cells. 2015 , 336, 253-62		17

202	Raman microscopy as a novel tool to detect endothelial dysfunction. 2015 , 67, 736-43		16
201	Peroxisome extensions deliver the Arabidopsis SDP1 lipase to oil bodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4158-63	11.5	105
200	Imaging of lipids in microalgae with coherent anti-stokes Raman scattering microscopy. 2015 , 167, 603-16		29
199	Persistent organic pollutants and obesity: are they potential mechanisms for breast cancer promotion?. 2015 , 22, R69-86		32
198	Automated Image Processing for Spatially Resolved Analysis of Lipid Droplets in Cultured 3T3-L1 Adipocytes. 2015 , 21, 605-13		5
197	A conserved family of proteins facilitates nascent lipid droplet budding from the ER. 2015 , 211, 261-71		175
196	Comparative analysis of lipotoxicity induced by endocrine, pharmacological, and innate immune stimuli in rat basophilic leukemia cells. 2015 , 12, 385-94		5
195	Liver X receptors balance lipid stores in hepatic stellate cells through Rab18, a retinoid responsive lipid droplet protein. 2015 , 62, 615-26		28
194	Molecular mechanisms of the coordination between astaxanthin and fatty acid biosynthesis in <i>Haematococcus pluvialis</i> (Chlorophyceae). 2015 , 81, 95-107		124
193	Transcriptional activation of Fsp27 by the liver-enriched transcription factor CREBH promotes lipid droplet growth and hepatic steatosis. 2015 , 61, 857-69		63
192	Lipid signaling in adipose tissue: Connecting inflammation & metabolism. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015 , 1851, 503-18	5	150
191	Lipid droplets formation in human endothelial cells in response to polyunsaturated fatty acids and 1-methyl-nicotinamide (MNA); confocal Raman imaging and fluorescence microscopy studies. 2016 , 9, 396-405		23
190	Autophagy-independent function of Atg8 in lipid droplet dynamics in yeast. 2017 , 161, 339-348		9
189	Three-dimensional label-free imaging and quantification of lipid droplets in live hepatocytes. 2016 , 6, 36815		72
188	Cellular Organization of Triacylglycerol Biosynthesis in Microalgae. <i>Sub-Cellular Biochemistry</i> , 2016 , 86, 207-21	5.5	8
187	Specific Fluorescence Probes for Lipid Droplets Based on Simple AIEgens. 2016 , 8, 10193-200		107
186	Prohibitin regulates the FSH signaling pathway in rat granulosa cell differentiation. 2016 , 56, 325-36		20
185	Therapeutic effect of flax-based diets on fatty liver in aged laying hens. 2016 , 95, 2624-2632		13

184	Discovery of cytoglobin and its roles in physiology and pathology of hepatic stellate cells. 2016 , 92, 77-97		10
183	Purity matters: A workflow for the valid high-resolution lipid profiling of mitochondria from cell culture samples. 2016 , 6, 21107		25
182	The role of expression imbalance between adipose synthesis and storage mediated by PPAR- δ /FSP27 in the formation of insulin resistance in catch up growth. <i>Lipids in Health and Disease</i> , 2016 , 15, 173	4.4	2
181	BOIMPY: Fluorescent Boron Complexes with Tunable and Environment-Responsive Light-Emitting Properties. 2016 , 22, 17321-17328		28
180	Lipid droplet-associated proteins in atherosclerosis (Review). 2016 , 13, 4527-34		36
179	Monoacylglycerol Lipases Act as Evolutionarily Conserved Regulators of Non-oxidative Ethanol Metabolism. 2016 , 291, 11865-75		10
178	Inhibition of SOAT1 Suppresses Glioblastoma Growth via Blocking SREBP-1-Mediated Lipogenesis. 2016 , 22, 5337-5348		114
177	Live-cell quantification and comparison of mammalian oocyte cytosolic lipid content between species, during development, and in relation to body composition using nonlinear vibrational microscopy. <i>Analyst, The</i> , 2016 , 141, 4694-706	5	20
176	Ultrastructural features of the differentiating thyroid primordium in the sand lizard (<i>Lacerta agilis</i> L.) from the differentiation of the cellular cords to the formation of the follicular lumen. 2016 , 119, 97-112		8
175	The protein and lipid composition of the membrane of milk fat globules depends on their size. 2016 , 99, 4726-4738		44
174	SNARE-Mediated Cholesterol Movement to Mitochondria Supports Steroidogenesis in Rodent Cells. 2016 , 30, 234-47		30
173	Lipid Metabolism in Microalgae. 2016 , 413-484		17
172	Lipid Droplet Proteins and Hepatic Lipid Metabolism. 2016 , 165-188		
171	Pathophysiology of lipid droplet proteins in liver diseases. 2016 , 340, 187-92		84
170	Lipid droplets in activated mast cells - a significant source of triglyceride-derived arachidonic acid for eicosanoid production. 2016 , 785, 59-69		20
169	Lipid droplet mobilization: The different ways to loosen the purse strings. 2016 , 120, 17-27		39
168	Disorders in the initial steps of steroid hormone synthesis. 2017 , 165, 18-37		91
167	The protein and neutral lipid composition of lipid droplets isolated from the fission yeast, <i>Schizosaccharomyces pombe</i> . 2017 , 55, 112-122		11

166	PDMS microchannel surface modification with teflon for algal lipid research. 2017 , 11, 180-186	9
165	Recombinant ostreolysin induces brown fat-like phenotype in HIB-1B cells. 2017 , 61, 1700057	4
164	Lipidomics and RNA-Seq Study of Lipid Regulation in <i>Aphis gossypii</i> parasitized by <i>Lysiphlebia japonica</i> . 2017 , 7, 1364	20
163	The influence of delipidation on triglyceride and LIPIN1 of porcine embryos derived from parthenogenetic activation. 2017 , 52, 842-850	3
162	Substrate Selection and Its Impact on Mitochondrial Respiration and Redox. 2017 , 349-375	3
161	Clearing the outer mitochondrial membrane from harmful proteins via lipid droplets. 2017 , 3, 17016	22
160	Mouse fat storage-inducing transmembrane protein 2 (FIT2) promotes lipid droplet accumulation in plants. 2017 , 15, 824-836	21
159	Harnessing yeast organelles for metabolic engineering. 2017 , 13, 823-832	84
158	Lipid Droplet Fusion in Mammary Epithelial Cells is Regulated by Phosphatidylethanolamine Metabolism. 2017 , 22, 235-249	24
157	Imaging and lipidomics methods for lipid analysis in metabolic and cardiovascular disease. 2017 , 8, 566-574	3
156	Lipid Droplets in Health and Disease. <i>Lipids in Health and Disease</i> , 2017 , 16, 128	4-4 119
155	Hepatic BSCL2 (Seipin) Deficiency Disrupts Lipid Droplet Homeostasis and Increases Lipid Metabolism via SCD1 Activity. 2017 , 52, 129-150	19
154	Identification of the Relationship between Oil Body Morphology and Oil Content by Microstructure Comparison Combining with QTL Analysis in. <i>Frontiers in Plant Science</i> , 2016 , 7, 1989	6.2 15
153	Host triacylglycerols shape the lipidome of intracellular trypanosomes and modulate their growth. 2017 , 13, e1006800	25
152	Models of non-Alcoholic Fatty Liver Disease and Potential Translational Value: the Effects of 3,5-L-diiodothyronine. 2017 , 16, 707-719	14
151	Lipid Transport. 2017 ,	0
150	Edible Oil Production From Microalgae: A Review. 2018 , 120, 1700428	28
149	Interface-Targeting Strategy Enables Two-Photon Fluorescent Lipid Droplet Probes for High-Fidelity Imaging of Turbid Tissues and Detecting Fatty Liver. 2018 , 10, 10706-10717	44

148	The effect of diet and exercise on lipid droplet dynamics in human muscle tissue. 2018 , 221,	19
147	ATF3 and EGR2 gene expression levels in sdLDL-treated macrophages of patients with coronary artery stenosis. 2018 , 42, 23-29	1
146	Small rubber particle proteins from <i>Taraxacum brevicorniculatum</i> promote stress tolerance and influence the size and distribution of lipid droplets and artificial poly(cis-1,4-isoprene) bodies. 2018 , 93, 1045-1061	16
145	Mitochondrial dysfunction in human skeletal muscle biopsies of lipid storage disorder. 2018 , 145, 323-341	10
144	Gastrointestinal factors regulating lipid droplet formation in the intestine. 2018 , 363, 1-14	8
143	How nitrogen sources influence <i>Mortierella alpina</i> aging: From the lipid droplet proteome to the whole-cell proteome and metabolome. 2018 , 179, 140-149	14
142	Adipose morphology and metabolic disease. 2018 , 221,	43
141	Lipidomic analysis reveals significant lipogenesis and accumulation of lipotoxic components in ob/ob mouse organs. 2018 , 136, 161-169	9
140	Carboxylesterases in lipid metabolism: from mouse to human. 2018 , 9, 178-195	106
139	Lipid droplet proteins and metabolic diseases. 2018 , 1864, 1968-1983	75
138	Interaction of a model apolipoprotein, apoLp-III, with an oil-phospholipid interface. 2018 , 1860, 396-406	12
137	3D reconstruction of endoplasmic reticulum in a hydrocarbon-secreting green alga, <i>Botryococcus braunii</i> (Race B). 2018 , 247, 663-677	3
136	Effect of lncRNA HOXA11-AS1 on adipocyte differentiation in human adipose-derived stem cells. 2018 , 495, 1878-1884	30
135	The dynamic pattern of PLIN3 in pig oocytes and cumulus cells during in vitro maturation. 2018 , 26, 40-49	3
134	Lipid droplet biogenesis is spatially coordinated at ER-vacuole contacts under nutritional stress. 2018 , 19, 57-72	98
133	Simulating Protein-Mediated Membrane Remodeling at Multiple Scales. 2018 , 351-384	
132	Red-emitting salicylaldehyde Schiff base with AIE behaviour and large Stokes shift. 2018 , 29, 1493-1496	31
131	Metabolic Heterogeneity Evidenced by MRS among Patient-Derived Glioblastoma Multiforme Stem-Like Cells Accounts for Cell Clustering and Different Responses to Drugs. 2018 , 2018, 3292704	17

130	Hydroxysteroid (17 β)-dehydrogenase 13 deficiency triggers hepatic steatosis and inflammation in mice. 2018 , 32, 3434-3447		32
129	Perturbation of Intracellular Cholesterol and Fatty Acid Homeostasis During Flavivirus Infections. 2018 , 9, 1276		33
128	Comparative histomorphological and ultrastructural study of the luminal epithelium of the isthmus in laying and moulting domestic fowls (<i>Gallus domesticus</i>). 2018 , 47, 444-455		2
127	Lipid metabolism reprogramming and its potential targets in cancer. 2018 , 38, 27		191
126	Genome-wide screening of budding yeast with honokiol to associate mitochondrial function with lipid metabolism. 2018 , 19, 867-878		5
125	Multiple cellular pathways regulate lipid droplet homeostasis for the establishment of polarity in collagen sandwich-cultured hepatocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2019 , 317, C942-C952	5.4	6
124	Liquid-crystalline phase transitions in lipid droplets are related to cellular states and specific organelle association. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 16866-16871	11.5	28
123	ER-residential Nogo-B accelerates NAFLD-associated HCC mediated by metabolic reprogramming of oxLDL lipophagy. 2019 , 10, 3391		32
122	Role of Lipid Droplets in the Development of Oocytes and Preimplantation Embryos in Mammals. 2019 , 50, 230-237		5
121	Simultaneous dual-colour tracking lipid droplets and lysosomes dynamics using a fluorescent probe. 2019 , 10, 2342-2348		74
120	Cu(I)-Catalyzed 6-endo-dig Cyclization of Terminal Alkynes, 2-Bromoaryl Ketones, and Amides toward 1-Naphthylamines: Applications and Photophysical Properties. 2019 , 141, 2535-2544		29
119	Interactions between the cecal microbiota and non-alcoholic steatohepatitis using laying hens as the model. 2019 , 98, 2509-2521		15
118	BDE-47 Decreases Progesterone Levels in BeWo Cells by Interfering with Mitochondrial Functions and Genes Related to Cholesterol Transport. 2019 , 32, 621-628		10
117	The Parkinson-associated human P5B-ATPase ATP13A2 modifies lipid homeostasis. 2019 , 1861, 182993		7
116	Proteomic Landscape of the Mature Roots in a Rubber-Producing Grass. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
115	Mapping and Profiling Lipid Distribution in a 3D Model of Breast Cancer Progression. 2019 , 5, 768-780		19
114	An interface-targeting and HO-activatable probe liberating AIEgen: enabling on-site imaging and dynamic movement tracking of lipid droplets. <i>Chemical Communications</i> , 2019 , 55, 4491-4494	5.8	20
113	Defects of the endoplasmic reticulum and changes to lipid droplet size in mammary epithelial cells due to miR-30b-5p overexpression are correlated to a reduction in Atlastin 2 expression. 2019 , 512, 283-288		6

112	An ideal platform of light-emitting materials from phenothiazine: facile preparation, tunable red/NIR fluorescence, bent geometry-promoted AIE behaviour and selective lipid-droplet (LD) tracking ability. 2019 , 7, 4185-4190		16
111	Recombinant Ostreolysin Induces Brown Fat-Like Phenotype in HIB-1B Cells. 2019 , 63, e1970012		1
110	Nonpolar Lipids in Yeast: Synthesis, Storage, and Degradation. 2019 , 363-373		
109	Mdm1 maintains endoplasmic reticulum homeostasis by spatially regulating lipid droplet biogenesis. 2019 , 218, 1319-1334		62
108	Intestinal lipid droplets as novel mediators of host-pathogen interaction in. 2019 , 8,		5
107	Periodontitis causes abnormalities in the liver of rats. 2019 , 90, 295-305		14
106	An AIEgen-based fluorescent probe for highly selective and specific imaging of lipid droplets in L02 and HepG2 cells. <i>Sensors and Actuators B: Chemical</i> , 2019 , 284, 545-552	8.5	26
105	Symposium review: Milk fat globule size: Practical implications and metabolic regulation. 2019 , 102, 2783-2795	20	
104	Near-Infrared Irradiation Affects Lipid Metabolism in Neuronal Cells, Inducing Lipid Droplets Formation. 2019 , 10, 1517-1523		2
103	Influence of Cellular Lipids on Cryopreservation of Mammalian Oocytes and Preimplantation Embryos: A Review. 2019 , 17, 76-83		23
102	Effect of Selenium on Lipid and Amino Acid Metabolism in Yeast Cells. 2019 , 187, 316-327		37
101	Substrate channeling in the glycerol-3-phosphate pathway regulates the synthesis, storage and secretion of glycerolipids. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158438	5	16
100	Mouse Fat-Specific Protein 27 (FSP27) expressed in plant cells localizes to lipid droplets and promotes lipid droplet accumulation and fusion. 2020 , 169, 41-53		5
99	Obesity-induced nucleosome release predicts poor cardio-metabolic health. 2019 , 12, 2		9
98	A family of push-pull bio-probes for tracking lipid droplets in living cells with the detection of heterogeneity and polarity. <i>Analytica Chimica Acta</i> , 2020 , 1096, 166-173	6.6	18
97	In vitro localisation and degradation of few-layer MoS ₂ submicrometric plates in human macrophage-like cells: a label free Raman micro-spectroscopic study. 2020 , 7, 025003		8
96	Dengue and Zika Viruses: Epidemiological History, Potential Therapies, and Promising Vaccines. 2020 , 5,		18
95	Quantitative transcriptomics, and lipidomics in evaluating ovarian developmental effects in Atlantic cod (<i>Gadus morhua</i>) caged at a capped marine waste disposal site. 2020 , 189, 109906		2

94	Non-esterified fatty acids in the ovary: friends or foes?. 2020 , 18, 60		10
93	Estrogen-progestin oral contraceptive and nicotine exposure synergistically confers cardio-renal protection in female Wistar rats. 2020 , 129, 110387		1
92	Role of Elevated Intracellular S-Adenosylhomocysteine in the Pathogenesis of Alcohol-Related Liver Disease. 2020 , 9,		4
91	Faster and More Specific: Excited-State Intramolecular Proton Transfer-Based Dyes for High-Fidelity Dynamic Imaging of Lipid Droplets within Cells and Tissues. 2020 , 92, 10342-10349		18
90	Alcohol effects on hepatic lipid metabolism. <i>Journal of Lipid Research</i> , 2020 , 61, 470-479	6.3	31
89	Plant Lipid Bodies Traffic on Actin to Plasmodesmata Motorized by Myosin XIs. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
88	Lipid droplet-mediated scavenging as novel intrinsic and adaptive resistance factor against the multikinase inhibitor ponatinib. 2020 , 147, 1680-1693		5
87	Fatty acid induced lipolysis influences embryo development, gene expression and lipid droplet formation in the porcine cumulus cells. <i>Biology of Reproduction</i> , 2020 , 103, 36-48	3.9	4
86	Near-infrared dual-functional AIEgens for lipid droplets imaging in multispecies and photodynamic therapy. 2021 , 185, 108884		4
85	The role of lipids in the central nervous system and their pathological implications in amyotrophic lateral sclerosis. <i>Seminars in Cell and Developmental Biology</i> , 2021 , 112, 69-81	7.5	8
84	CREBH: A Complex Array of Regulatory Mechanisms in Nutritional Signaling, Metabolic Inflammation, and Metabolic Disease. 2021 , 65, e2000771		2
83	Transcriptome analysis and identification of age-associated fertility decreased genes in hen uterovaginal junction. 2021 , 100, 100892		1
82	Edible bio-oil production from microalgae and application of nano-technology. 2021 , 91-116		1
81	Energy and Dynamics of Caveolae Trafficking. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 614473-7		9
80	Tumeric Ethanol Extract Up-regulated the Lipolysis by Activation of Lipase Related Pathway in HepG2 Cells. 2021 , 1,		
79	Plin2 deletion increases cholesteryl ester lipid droplet content and disturbs cholesterol balance in adrenal cortex. <i>Journal of Lipid Research</i> , 2021 , 62, 100048	6.3	5
78	MAMs Protect Against Ectopic Fat Deposition and Lipid-Related Kidney Damage in DN Patients. <i>Frontiers in Endocrinology</i> , 2021 , 12, 609580	5.7	5
77	Destabilization of β -cell FIT2 by saturated fatty acids contribute to ER stress and diabetes.		

76	The fine-tuning of cell membrane lipid bilayers accentuates their compositional complexity. <i>BioEssays</i> , 2021 , 43, e2100021	4.1	7
75	Tumor tissues diagnosis with PIEE lipid droplet vesicles. <i>Sensors and Actuators B: Chemical</i> , 2021 , 330, 129269	8.5	2
74	The metabolism of lipids in yeasts and applications in oenology. <i>Food Research International</i> , 2021 , 141, 110142	7	4
73	Alteration of the lipid phase transition during mouse embryos freezing after in vitro culture with linoleic acid. <i>Cryobiology</i> , 2021 , 99, 55-63	2.7	2
72	Detecting lipid droplets polarity: Silicone-based unique fluorescent probe for cancer diagnosis in living cells. <i>Talanta</i> , 2021 , 225, 122059	6.2	7
71	Influence of different breast expression techniques on human colostrum macronutrient concentrations. <i>Journal of Perinatology</i> , 2021 , 41, 1065-1068	3.1	0
70	ERp44/CG9911 promotes fat storage in adipocytes by regulating ER Ca homeostasis. <i>Aging</i> , 2021 , 13, 15013-15031	5.6	1
69	Phospholipid Analogues as Chemotherapeutic Agents Against Trypanosomatids. <i>Current Pharmaceutical Design</i> , 2021 , 27, 1790-1806	3.3	0
68	Intrabacterial lipid inclusions in mycobacteria: unexpected key players in survival and pathogenesis?. <i>FEMS Microbiology Reviews</i> , 2021 , 45,	15.1	2
67	Lipid Droplets in the Pathogenesis of Hereditary Spastic Paraplegia. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 673977	5.6	3
66	Formulative Study and Intracellular Fate Evaluation of Ethosomes and Transethosomes for Vitamin D3 Delivery. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
65	Fat and Happy: Profiling Mosquito Fat Body Lipid Storage and Composition Post-blood Meal. <i>Frontiers in Insect Science</i> , 1,		4
64	Determining the Dependence of Interfacial Tension on Molecular Area for Phospholipid Monolayers Formed at Silicone Oil-Water and Tricaprylin-Water Interfaces by Vesicle Fusion. <i>Langmuir</i> , 2021 , 37, 7527-7535	4	0
63	The role of lipid droplets in microbial pathogenesis. <i>Journal of Medical Microbiology</i> , 2021 , 70,	3.2	2
62	Lipid Body Dynamics in Shoot Meristems: Production, Enlargement, and Putative Organellar Interactions and Plasmodesmal Targeting. <i>Frontiers in Plant Science</i> , 2021 , 12, 674031	6.2	0
61	Use of Lipid-Modifying Agents for the Treatment of Glomerular Diseases. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	1
60	Lipid droplets as metabolic determinants for stemness and chemoresistance in cancer. <i>World Journal of Stem Cells</i> , 2021 , 13, 1307-1317	5.6	1
59	Bulging and budding of lipid droplets from symmetric and asymmetric membranes: competition between membrane elastic energy and interfacial energy. <i>Soft Matter</i> , 2021 , 17, 5319-5328	3.6	2

58	Microscopic and spectroscopic techniques to investigate lipid droplet formation and turnover in yeast. <i>Methods in Molecular Biology</i> , 2015 , 1270, 289-305	1.4	10
57	Insulin Resistance, Obesity and Lipotoxicity. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 960, 277-304	3.6	182
56	Formation and Function of Lipid Droplets in Inflammation and Cancer. 2013 , 139-165		1
55	Essential roles of peroxisomally produced and metabolized biomolecules in regulating yeast longevity. <i>Sub-Cellular Biochemistry</i> , 2013 , 69, 153-67	5.5	15
54	Machine-learning assisted confocal imaging of intracellular sites of triglycerides and cholesteryl esters formation and storage. <i>Analytica Chimica Acta</i> , 2020 , 1121, 57-66	6.6	9
53	The biology of lipid droplet-bound mitochondria. <i>Seminars in Cell and Developmental Biology</i> , 2020 , 108, 55-64	7.5	13
52	Phospholipid Demixing. <i>Behavior Research Methods</i> , 2010 , 1-28	6.1	2
51	Dynamic characteristics of lipid metabolism in cultured granulosa cells from geese follicles at different developmental stages. <i>Bioscience Reports</i> , 2019 , 39,	4.1	13
50	Cell Biology of the Chlamydial Inclusion. 170-191		3
49	A comparative study of fat storage quantitation in nematode <i>Caenorhabditis elegans</i> using label and label-free methods. <i>PLoS ONE</i> , 2010 , 5, e12810	3.7	171
48	Translation inhibitors induce formation of cholesterol ester-rich lipid droplets. <i>PLoS ONE</i> , 2012 , 7, e42379	3.7	7
47	Proteomic analysis of lipid droplets from Caco-2/TC7 enterocytes identifies novel modulators of lipid secretion. <i>PLoS ONE</i> , 2013 , 8, e53017	3.7	36
46	HIV protease inhibitors disrupt lipid metabolism by activating endoplasmic reticulum stress and inhibiting autophagy activity in adipocytes. <i>PLoS ONE</i> , 2013 , 8, e59514	3.7	49
45	Bidirectional lipid droplet velocities are controlled by differential binding strengths of HCV core DII protein. <i>PLoS ONE</i> , 2013 , 8, e78065	3.7	14
44	Regulation of lipid droplet size in mammary epithelial cells by remodeling of membrane lipid composition-a potential mechanism. <i>PLoS ONE</i> , 2015 , 10, e0121645	3.7	32
43	Reversible Nuclear-Lipid-Droplet Morphology Induced by Oleic Acid: A Link to Cellular-Lipid Metabolism. <i>PLoS ONE</i> , 2017 , 12, e0170608	3.7	11
42	Cryopreservation of Reproductive Cells and Embryos of Laboratory, Agricultural and Wild Animals. <i>Problems of Cryobiology and Cryomedicine</i> , 2019 , 29, 003-018	0.4	2
41	Lipid droplets, potential biomarker and metabolic target in glioblastoma. <i>Internal Medicine Review (Washington, D C: Online)</i> , 2017 , 3,	2	23

40	Temozolomide, sirolimus and chloroquine is a new therapeutic combination that synergizes to disrupt lysosomal function and cholesterol homeostasis in GBM cells. <i>Oncotarget</i> , 2018 , 9, 6883-6896	3.3	29
39	Structure, Function and Metabolism of Hepatic and Adipose Tissue Lipid Droplets: Implications in Alcoholic Liver Disease. <i>Current Molecular Pharmacology</i> , 2017 , 10, 237-248	3.7	14
38	Metabolic Assays for Detection of Neutral Fat Stores. <i>Bio-protocol</i> , 2015 , 5,	0.9	5
37	Nitrogen Source Affects Glycolipid Production and Lipid Accumulation in the Phytopathogen Fungus &Ustilago maydis. <i>Advances in Microbiology</i> , 2014 , 04, 934-944	0.6	14
36	DO-SRS imaging of metabolic dynamics in aging. <i>Analyst, The</i> , 2021 , 146, 7510-7519	5	2
35	Lipid droplets and the transcriptome of Mycobacterium tuberculosis from direct sputa: a literature review. <i>Lipids in Health and Disease</i> , 2021 , 20, 129	4.4	1
34	Metabolic growth hypothesis for the evolution of the nuchal hump in swordtail fishes. <i>Environmental Biology of Fishes</i> , 2021 , 104, 1195-1206	1.6	
33	Liver Disease. 2012 , 407-420		
32	Physiologie de la gouttelette lipidique adipocytaire. 2013 , 123-141		
31	Triglyceride Synthesis Enzymes in Skin/Fur. 2015 , 249-257		
30	Nonpolar Lipids in Yeast: Synthesis, Storage, and Degradation. 2016 , 1-11		
29	Accumulation of neutral lipids in the cells of Chlamydomonas reinhardtii under stress conditions. <i>Fiziologia Rastenij I Genetika</i> , 2016 , 48, 401-415	0.4	
28	Yüksek fruktoz içrikli beslenmenin overlerde perilipin ekspresyonu ve polikistik over gelişimi ile ilişkisi. <i>Zeynep Kamil Tip Bulteni</i> , 2016 , 47,	0	
27	Adipokinetic Hormones and Lipid Mobilization?. 2017 ,		
26	A Comprehensive Studies of an Indolizine-Based Seoul-Fluor System. <i>Springer Theses</i> , 2018 , 21-42	0.1	
25	[Effects of a high-fat diet on the lipid profile of oocytes in mice]. <i>Vavilovskii Zhurnal Genetiki I Seleksii</i> , 2020 , 24, 533-538	0.9	
24	The effect of aerobic training with silymarin consumption on some cardiovascular risk factors in men with type 2 diabetes. <i>Jorjani Biomedicine Journal</i> , 2020 , 8, 41-50	0.2	1
23	SR-BI mediates neutral lipid sorting from LDL to lipid droplets and facilitates their formation. <i>PLoS ONE</i> , 2020 , 15, e0240659	3.7	2

22	Recent advances in fluorescent probes for lipid droplets.. <i>Chemical Communications</i> , 2022 ,	5.8	11
21	Precise Molecular Design of a Pair of New Regioisomerized Fluorophores With Opposite Fluorescent Properties.. <i>Frontiers in Chemistry</i> , 2021 , 9, 823519	5	
20	Construction of heteroaryl-bridged NIR AIEgens for specific imaging of lipid droplets and its application in photodynamic therapy.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 272, 120946	4.4	0
19	Adaptive and maladaptive roles of lipid droplets in health and disease.. <i>American Journal of Physiology - Cell Physiology</i> , 2022 ,	5.4	2
18	Destabilization of Cell FIT2 by saturated fatty acids alter lipid droplet numbers and contribute to ER stress and diabetes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2113074119	11.5	1
17	Glutathione deficiency decreases lipid droplet stores and increases reactive oxygen species in mouse oocytes. <i>Biology of Reproduction</i> , 2022 ,	3.9	0
16	Crystalline Cholesterol: The Material and Its Assembly Lines. <i>Annual Review of Materials Research</i> , 2022 , 52,	12.8	1
15	Ovarian Aging: Role of Pituitary-Ovarian Axis Hormones and ncRNAs in Regulating Ovarian Mitochondrial Activity.. <i>Frontiers in Endocrinology</i> , 2021 , 12, 791071	5.7	3
14	Metabolic Engineering Strategies for Improved Lipid Production and Cellular Physiological Responses in Yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2022 , 8, 427	5.6	1
13	Exploring BODIPY-Based Sensor for Imaging of Intracellular Microviscosity in Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5687	6.3	
12	Age-related Macular Degeneration patient deep phenotyping and whole genome sequencing analysis identifies coding variants linking small low-luminance visual deficit to fat storage defects.		
11	Gestational Benzo[a]Pyrene Exposure Destroys F1 Ovarian Germ Cells through Mitochondrial Apoptosis Pathway and Diminishes Surviving Oocyte Quality.		
10	Tuning the organelle-imaging specificity of an aggregation-induced emission luminogen with reversible mechanochromism by ionization.		0
9	Nile Red and BODIPY Staining of Lipid Droplets in Mouse Oocytes and Embryos. 2023 , 205-212		0
8	Citrate shuttling in astrocytes is required for processing cocaine-induced neuron-derived excess peroxidated fatty acids. 2022 , 105407		0
7	Comparative Transcriptome Analysis Reveals the Key Genes Involved in Lipid Deposition in Pekin Ducks (<i>Anas platyrhynchos domesticus</i>). 2022 , 12, 1775		0
6	Childhood Obesity: A Potential Key Factor in the Development of Glioblastoma Multiforme. 2022 , 12, 1673		3
5	Overview of Cancer Metabolism and Signaling Transduction. 2023 , 24, 12		1

- 4 Mammalian Oocyte Analysis by MALDI MSI with Wet-Interface Matrix Deposition Technique. **2023**, 16, 1479 ○
- 3 Key events in cancer: Dysregulation of SREBPs. 14, ○
- 2 Cysteine-Activatable Near-Infrared Fluorescent Probe for Dual-Channel Tracking Lipid Droplets and Mitochondria in Epilepsy. **2023**, 95, 5133-5141 ○
- 1 Rare CIDEC coding variants enriched in age-related macular degeneration patients with small low-luminance deficit cause lipid droplet and fat storage defects. **2023**, 18, e0280484 ○