

Rosalind A Coleman

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127
papers

9,423
citations

51
h-index

96
g-index

129
ext. papers

10,476
ext. citations

5.9
avg, IF

6.15
L-index

#	Paper	IF	Citations
127	Enzymes of triacylglycerol synthesis and their regulation. <i>Progress in Lipid Research</i> , 2004 , 43, 134-76	14.3	668
126	Triacylglycerol synthesis enzymes mediate lipid droplet growth by relocating from the ER to lipid droplets. <i>Developmental Cell</i> , 2013 , 24, 384-99	10.2	485
125	The role of lipid droplets in metabolic disease in rodents and humans. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2102-10	15.9	431
124	AMP-activated kinase reciprocally regulates triacylglycerol synthesis and fatty acid oxidation in liver and muscle: evidence that sn-glycerol-3-phosphate acyltransferase is a novel target. <i>Biochemical Journal</i> , 1999 , 338, 783-791	3.8	346
123	Physiological and nutritional regulation of enzymes of triacylglycerol synthesis. <i>Annual Review of Nutrition</i> , 2000 , 20, 77-103	9.9	260
122	Do long-chain acyl-CoA synthetases regulate fatty acid entry into synthetic versus degradative pathways?. <i>Journal of Nutrition</i> , 2002 , 132, 2123-6	4.1	226
121	Analysis of amino acid motifs diagnostic for the sn-glycerol-3-phosphate acyltransferase reaction. <i>Biochemistry</i> , 1999 , 38, 5764-71	3.2	225
120	Prevention of hepatic steatosis and hepatic insulin resistance in mitochondrial acyl-CoA:glycerol-sn-3-phosphate acyltransferase 1 knockout mice. <i>Cell Metabolism</i> , 2005 , 2, 55-65	24.6	214
119	Adipose acyl-CoA synthetase-1 directs fatty acids toward beta-oxidation and is required for cold thermogenesis. <i>Cell Metabolism</i> , 2010 , 12, 53-64	24.6	212
118	Acyl-CoA metabolism and partitioning. <i>Annual Review of Nutrition</i> , 2014 , 34, 1-30	9.9	208
117	Acyl-CoA synthetase isoforms 1, 4, and 5 are present in different subcellular membranes in rat liver and can be inhibited independently. <i>Journal of Biological Chemistry</i> , 2001 , 276, 24674-9	5.4	206
116	Glycerol-3-phosphate acyltransferases: rate limiting enzymes of triacylglycerol biosynthesis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009 , 1791, 501-6	5	193
115	Hepatic triacylglycerol accumulation and insulin resistance. <i>Journal of Lipid Research</i> , 2009 , 50 Suppl, S74-9	6.3	184
114	Diabetes promotes an inflammatory macrophage phenotype and atherosclerosis through acyl-CoA synthetase 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E715-24	11.5	179
113	Mitochondrial glycerol-3-phosphate acyltransferase-deficient mice have reduced weight and liver triacylglycerol content and altered glycerolipid fatty acid composition. <i>Molecular and Cellular Biology</i> , 2002 , 22, 8204-14	4.8	173
112	Mammalian triacylglycerol metabolism: synthesis, lipolysis, and signaling. <i>Chemical Reviews</i> , 2011 , 111, 6359-86	68.1	164
111	Expression and characterization of recombinant rat Acyl-CoA synthetases 1, 4, and 5. Selective inhibition by triacsin C and thiazolidinediones. <i>Journal of Biological Chemistry</i> , 2001 , 276, 24667-73	5.4	160

110	Long-chain acyl-CoA synthetases and fatty acid channeling. <i>Future Lipidology</i> , 2007 , 2, 465-476		158
109	Acyl-CoA synthesis, lipid metabolism and lipotoxicity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010 , 1801, 246-51	5	149
108	Acyl-coenzyme A synthetases in metabolic control. <i>Current Opinion in Lipidology</i> , 2010 , 21, 212-7	4.4	143
107	Liver-specific loss of long chain acyl-CoA synthetase-1 decreases triacylglycerol synthesis and beta-oxidation and alters phospholipid fatty acid composition. <i>Journal of Biological Chemistry</i> , 2009 , 284, 27816-27826	5.4	141
106	Rat long-chain acyl-CoA synthetase mRNA, protein, and activity vary in tissue distribution and in response to diet. <i>Journal of Lipid Research</i> , 2006 , 47, 2004-10	6.3	138
105	Mouse cardiac acyl coenzyme a synthetase 1 deficiency impairs Fatty Acid oxidation and induces cardiac hypertrophy. <i>Molecular and Cellular Biology</i> , 2011 , 31, 1252-62	4.8	134
104	Triacsin C blocks de novo synthesis of glycerolipids and cholesterol esters but not recycling of fatty acid into phospholipid: evidence for functionally separate pools of acyl-CoA. <i>Biochemical Journal</i> , 1997 , 324 (Pt 2), 529-34	3.8	129
103	Revised nomenclature for the mammalian long-chain acyl-CoA synthetase gene family. <i>Journal of Lipid Research</i> , 2004 , 45, 1958-61	6.3	119
102	Characterization of recombinant long-chain rat acyl-CoA synthetase isoforms 3 and 6: identification of a novel variant of isoform 6. <i>Biochemistry</i> , 2005 , 44, 1635-42	3.2	116
101	SEIPIN Regulates Lipid Droplet Expansion and Adipocyte Development by Modulating the Activity of Glycerol-3-phosphate Acyltransferase. <i>Cell Reports</i> , 2016 , 17, 1546-1559	10.6	114
100	Cellular fatty acid uptake: the contribution of metabolism. <i>Current Opinion in Lipidology</i> , 2006 , 17, 274-8	4.4	107
99	Rat liver acyl-CoA synthetase 4 is a peripheral-membrane protein located in two distinct subcellular organelles, peroxisomes, and mitochondrial-associated membrane. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 404, 263-70	4.1	107
98	Acylglycerol recycling from triacylglycerol to phospholipid, not lipase activity, is defective in neutral lipid storage disease fibroblasts. <i>Journal of Biological Chemistry</i> , 1996 , 271, 16644-51	5.4	103
97	Agpat6--a novel lipid biosynthetic gene required for triacylglycerol production in mammary epithelium. <i>Journal of Lipid Research</i> , 2006 , 47, 734-44	6.3	96
96	Hepatic overexpression of glycerol-sn-3-phosphate acyltransferase 1 in rats causes insulin resistance. <i>Journal of Biological Chemistry</i> , 2007 , 282, 14807-15	5.4	96
95	AMP-activated kinase reciprocally regulates triacylglycerol synthesis and fatty acid oxidation in liver and muscle: evidence that sn-glycerol-3-phosphate acyltransferase is a novel target. <i>Biochemical Journal</i> , 1999 , 338, 783	3.8	94
94	Rat long chain acyl-CoA synthetase 5 increases fatty acid uptake and partitioning to cellular triacylglycerol in McArdle-RH7777 cells. <i>Journal of Biological Chemistry</i> , 2006 , 281, 945-50	5.4	91
93	Identification of a novel sn-glycerol-3-phosphate acyltransferase isoform, GPAT4, as the enzyme deficient in Agpat6 ^{-/-} mice. <i>Journal of Lipid Research</i> , 2008 , 49, 823-31	6.3	90

92	Mitochondrial glycerol-3-phosphate acyltransferase-1 is essential in liver for the metabolism of excess acyl-CoAs. <i>Journal of Biological Chemistry</i> , 2005 , 280, 25629-36	5.4	86
91	The Inhibitory Innate Immune Sensor NLRP12 Maintains a Threshold against Obesity by Regulating Gut Microbiota Homeostasis. <i>Cell Host and Microbe</i> , 2018 , 24, 364-378.e6	23.4	86
90	Regulation of Triglyceride Metabolism. II. Function of mitochondrial GPAT1 in the regulation of triacylglycerol biosynthesis and insulin action. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, G1195-9	5.1	83
89	Identification of a new glycerol-3-phosphate acyltransferase isoenzyme, mtGPAT2, in mitochondria. <i>Journal of Biological Chemistry</i> , 2004 , 279, 13488-95	5.4	83
88	Glycerolipid signals alter mTOR complex 2 (mTORC2) to diminish insulin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 1667-72	11.5	81
87	Lysophosphatidylcholine acyltransferase 1 (LPCAT1) overexpression in human colorectal cancer. <i>Journal of Molecular Medicine</i> , 2009 , 87, 85-97	5.5	80
86	Mitochondrial glycerol phosphate acyltransferase directs the incorporation of exogenous fatty acids into triacylglycerol. <i>Journal of Biological Chemistry</i> , 2001 , 276, 42205-12	5.4	76
85	Compartmentalized acyl-CoA metabolism in skeletal muscle regulates systemic glucose homeostasis. <i>Diabetes</i> , 2015 , 64, 23-35	0.9	75
84	Overexpression of rat long chain acyl-coa synthetase 1 alters fatty acid metabolism in rat primary hepatocytes. <i>Journal of Biological Chemistry</i> , 2006 , 281, 37246-55	5.4	75
83	Neutral lipid storage disease with fatty liver and cholestasis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 1997 , 25, 541-7	2.8	65
82	Cloning and functional characterization of a novel mitochondrial N-ethylmaleimide-sensitive glycerol-3-phosphate acyltransferase (GPAT2). <i>Archives of Biochemistry and Biophysics</i> , 2007 , 465, 347-58	4.1	63
81	Regulation of mitochondrial sn-glycerol-3-phosphate acyltransferase activity: response to feeding status is unique in various rat tissues and is discordant with protein expression. <i>Archives of Biochemistry and Biophysics</i> , 2001 , 396, 119-27	4.1	63
80	Glycerol-3-phosphate acyltransferase (GPAT)-1, but not GPAT4, incorporates newly synthesized fatty acids into triacylglycerol and diminishes fatty acid oxidation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 27299-27306	5.4	62
79	Rosiglitazone inhibits acyl-CoA synthetase activity and fatty acid partitioning to diacylglycerol and triacylglycerol via a peroxisome proliferator-activated receptor-gamma-independent mechanism in human arterial smooth muscle cells and macrophages. <i>Diabetes</i> , 2007 , 56, 1143-52	0.9	57
78	Leptin opposes insulin's effects on fatty acid partitioning in muscles isolated from obese ob/ob mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999 , 276, E913-21	6	56
77	Fuel availability and fate in cardiac metabolism: A tale of two substrates. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016 , 1861, 1425-33	5	53
76	Novel and recurrent tyrosine aminotransferase gene mutations in tyrosinemia type II. <i>Human Genetics</i> , 1998 , 102, 305-13	6.3	50
75	Early hepatic insulin resistance in mice: a metabolomics analysis. <i>Molecular Endocrinology</i> , 2010 , 24, 657-66		49

74	Mitochondrial glycerol-3-phosphate acyltransferase-1 directs the metabolic fate of exogenous fatty acids in hepatocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 288, E835-44	6	46
73	Glycerol-3-phosphate acyltransferase 1 deficiency in ob/ob mice diminishes hepatic steatosis but does not protect against insulin resistance or obesity. <i>Diabetes</i> , 2010 , 59, 1321-9	0.9	45
72	Distinct roles of specific fatty acids in cellular processes: implications for interpreting and reporting experiments. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 302, E1-3	6	45
71	Mice deficient in mitochondrial glycerol-3-phosphate acyltransferase-1 have diminished myocardial triacylglycerol accumulation during lipogenic diet and altered phospholipid fatty acid composition. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008 , 1781, 352-8	5	45
70	Mitochondrial glycerol phosphate acyltransferase contains two transmembrane domains with the active site in the N-terminal domain facing the cytosol. <i>Journal of Biological Chemistry</i> , 2001 , 276, 43182-8	5.4	45
69	Long-chain acyl-CoA synthetase 1 interacts with key proteins that activate and direct fatty acids into niche hepatic pathways. <i>Journal of Biological Chemistry</i> , 2018 , 293, 16724-16740	5.4	45
68	Diminished acyl-CoA synthetase isoform 4 activity in INS 832/13 cells reduces cellular epoxyeicosatrienoic acid levels and results in impaired glucose-stimulated insulin secretion. <i>Journal of Biological Chemistry</i> , 2013 , 288, 21618-29	5.4	43
67	Rat sn-glycerol-3-phosphate acyltransferase: molecular cloning and characterization of the cDNA and expressed protein. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 1999 , 1439, 415-23	5	43
66	Physiological Consequences of Compartmentalized Acyl-CoA Metabolism. <i>Journal of Biological Chemistry</i> , 2015 , 290, 20023-31	5.4	42
65	Fatty acid transport by vectorial acylation in mammals: roles played by different isoforms of rat long-chain acyl-CoA synthetases. <i>Archives of Biochemistry and Biophysics</i> , 2006 , 447, 46-52	4.1	42
64	Long-chain acyl-CoA synthetase isoforms differ in preferences for eicosanoid species and long-chain fatty acids. <i>Journal of Lipid Research</i> , 2017 , 58, 884-894	6.3	41
63	Contribution of novel ATGL missense mutations to the clinical phenotype of NLS-D-M: a strikingly low amount of lipase activity may preserve cardiac function. <i>Human Molecular Genetics</i> , 2012 , 21, 5318-28	5.6	41
62	Acyl-CoAs are functionally channeled in liver: potential role of acyl-CoA synthetase. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000 , 279, E1366-73	6	41
61	Neutral Lipid Storage Diseases as Cellular Model to Study Lipid Droplet Function. <i>Cells</i> , 2019 , 8,	7.9	39
60	It takes a village: channeling fatty acid metabolism and triacylglycerol formation via protein interactomes. <i>Journal of Lipid Research</i> , 2019 , 60, 490-497	6.3	37
59	Clinical and genetic characterization of Chanarin-Dorfman syndrome patients: first report of large deletions in the ABHD5 gene. <i>Orphanet Journal of Rare Diseases</i> , 2010 , 5, 33	4.2	36
58	A role for long-chain acyl-CoA synthetase-4 (ACSL4) in diet-induced phospholipid remodeling and obesity-associated adipocyte dysfunction. <i>Molecular Metabolism</i> , 2018 , 9, 43-56	8.8	35
57	Lysophosphatidic acid activates peroxisome proliferator activated receptor- β in CHO cells that over-express glycerol 3-phosphate acyltransferase-1. <i>PLoS ONE</i> , 2011 , 6, e18932	3.7	33

56	Regulation of myocardial triacylglycerol synthesis and metabolism. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2003 , 1634, 63-75	5	32
55	Neutral lipid storage disease: a possible functional defect in phospholipid- linked triacylglycerol metabolism. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1991 , 1096, 162-9	6.9	32
54	Acyl-CoA synthetase 1 deficiency alters cardiolipin species and impairs mitochondrial function. <i>Journal of Lipid Research</i> , 2015 , 56, 1572-82	6.3	31
53	Mouse betaine-homocysteine S-methyltransferase deficiency reduces body fat via increasing energy expenditure and impairing lipid synthesis and enhancing glucose oxidation in white adipose tissue. <i>Journal of Biological Chemistry</i> , 2012 , 287, 16187-98	5.4	31
52	Glycerol-3-phosphate acyltransferase-2 behaves as a cancer testis gene and promotes growth and tumorigenicity of the breast cancer MDA-MB-231 cell line. <i>PLoS ONE</i> , 2014 , 9, e100896	3.7	27
51	Ontogeny of mRNA expression and activity of long-chain acyl-CoA synthetase (ACSL) isoforms in <i>Mus musculus</i> heart. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007 , 1771, 75-82	5	27
50	Phosphatidylcholine deficiency upregulates enzymes of triacylglycerol metabolism in CHO cells. <i>Journal of Lipid Research</i> , 2004 , 45, 1500-9	6.3	26
49	Mitochondrial acyltransferases and glycerophospholipid metabolism. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 49-55	5	24
48	Loss of long-chain acyl-CoA synthetase isoform 1 impairs cardiac autophagy and mitochondrial structure through mechanistic target of rapamycin complex 1 activation. <i>FASEB Journal</i> , 2015 , 29, 4641-53	6.9	24
47	Endothelial acyl-CoA synthetase 1 is not required for inflammatory and apoptotic effects of a saturated fatty acid-rich environment. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 232-40	6.4	24
46	Increased oxidative stress is associated with balanced increases in hepatocyte apoptosis and proliferation in glycerol-3-phosphate acyltransferase-1 deficient mice. <i>Experimental and Molecular Pathology</i> , 2007 , 82, 210-9	4.4	24
45	Mitochondrial glycerol-3-P acyltransferase 1 is most active in outer mitochondrial membrane but not in mitochondrial associated vesicles (MAV). <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007 , 1771, 830-8	5	24
44	Lipid signals and insulin resistance. <i>Clinical Lipidology</i> , 2013 , 8, 659-667		22
43	Inhibited insulin signaling in mouse hepatocytes is associated with increased phosphatidic acid but not diacylglycerol. <i>Journal of Biological Chemistry</i> , 2015 , 290, 3519-28	5.4	21
42	Glycerol-3-phosphate acyltransferase-4-deficient mice are protected from diet-induced insulin resistance by the enhanced association of mTOR and rictor. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 307, E305-15	6	21
41	Cardiac energy dependence on glucose increases metabolites related to glutathione and activates metabolic genes controlled by mechanistic target of rapamycin. <i>Journal of the American Heart Association</i> , 2015 , 4,	6	21
40	Valproate uncompetitively inhibits arachidonic acid acylation by rat acyl-CoA synthetase 4: relevance to valproate's efficacy against bipolar disorder. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 163-9	5	21
39	Cerebral defects and nephrogenic diabetes insipidus with the ARC syndrome: Additional findings or a new syndrome (ARCC-NDI)? <i>American Journal of Medical Genetics Part A</i> , 1997 , 72, 335-338		21

38	Rat long chain acyl-CoA synthetase 5, but not 1, 2, 3, or 4, complements Escherichia coli fadD. <i>Journal of Biological Chemistry</i> , 2004 , 279, 11163-9	5.4	21
37	Glycerol-3-phosphate Acyltransferase Isoform-4 (GPAT4) Limits Oxidation of Exogenous Fatty Acids in Brown Adipocytes. <i>Journal of Biological Chemistry</i> , 2015 , 290, 15112-20	5.4	20
36	Deficiency of cardiac Acyl-CoA synthetase-1 induces diastolic dysfunction, but pathologic hypertrophy is reversed by rapamycin. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014 , 1841, 880-7	5	20
35	Glycerol-3-phosphate acyltransferase-2 is expressed in spermatic germ cells and incorporates arachidonic acid into triacylglycerols. <i>PLoS ONE</i> , 2012 , 7, e42986	3.7	18
34	Phosphorylation and Acetylation of Acyl-CoA Synthetase- I. <i>Journal of Proteomics and Bioinformatics</i> , 2011 , 4, 129-137	2.1	18
33	Sphingosine inhibits rat hepatic monoacylglycerol acyltransferase in Triton X-100 mixed micelles and isolated hepatocytes. <i>Biochemistry</i> , 1995 , 34, 11237-44	3.2	17
32	Long-chain acyl-CoA synthetase 2 knockdown leads to decreased fatty acid oxidation in fat body and reduced reproductive capacity in the insect <i>Rhodnius prolixus</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016 , 1861, 650-62	5	17
31	The C-terminal region of mitochondrial glycerol-3-phosphate acyltransferase-1 interacts with the active site region and is required for activity. <i>Archives of Biochemistry and Biophysics</i> , 2006 , 450, 157-66	4.1	16
30	Adipose monoacylglycerol:acyl-coenzyme A acyltransferase activity in the white-throated sparrow (<i>Zonotrichia albicollis</i>): characterization and function in a migratory bird. <i>Lipids</i> , 1994 , 29, 785-91	1.6	16
29	Glycerol-3-phosphate acyltransferase 1 is essential for the immune response to infection with coxsackievirus B3 in mice. <i>Journal of Nutrition</i> , 2009 , 139, 779-83	4.1	15
28	How do I fatten thee? Let me count the ways. <i>Cell Metabolism</i> , 2007 , 5, 87-9	24.6	15
27	L-glutamine and transforming growth factor-alpha enhance recovery of monoacylglycerol acyltransferase and diacylglycerol acyltransferase activity in porcine postischemic ileum. <i>Pediatric Research</i> , 1998 , 43, 227-33	3.2	14
26	Mice deficient in glycerol-3-phosphate acyltransferase-1 have a reduced susceptibility to liver cancer. <i>Toxicologic Pathology</i> , 2012 , 40, 513-21	2.1	13
25	Glycerol-3-phosphate acyltransferases 3 and 4 direct glycerolipid synthesis and affect functionality in activated macrophages. <i>Biochemical Journal</i> , 2019 , 476, 85-99	3.8	12
24	Proteolipid domains form in biomimetic and cardiac mitochondrial vesicles and are regulated by cardiolipin concentration but not monolyso-cardiolipin. <i>Journal of Biological Chemistry</i> , 2018 , 293, 15933-15946	5.4	11
23	Deficiency of glycerol-3-phosphate acyltransferase 1 decreases triacylglycerol storage and induces fatty acid oxidation in insect fat body. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 324-336	5	10
22	Defective fatty acid oxidation in mice with muscle-specific acyl-CoA synthetase 1 deficiency increases amino acid use and impairs muscle function. <i>Journal of Biological Chemistry</i> , 2019 , 294, 8819-8833	5.4	10
21	The "discovery" of lipid droplets: A brief history of organelles hidden in plain sight. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158762	5	9

20	Fatty acids and anionic phospholipids alter the palmitoyl coenzyme A kinetics of hepatic monoacylglycerol acyltransferase in Triton X-100 mixed micelles. <i>Biochemistry</i> , 1996 , 35, 9576-83	3.2	9
19	Methylation of the Gpat2 promoter regulates transient expression during mouse spermatogenesis. <i>Biochemical Journal</i> , 2015 , 471, 211-20	3.8	8
18	Mutagenesis of rat acyl-CoA synthetase 4 indicates amino acids that contribute to fatty acid binding. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007 , 1771, 119-25	5	7
17	Thioesterase superfamily member 2 promotes hepatic insulin resistance in the setting of glycerol-3-phosphate acyltransferase 1-induced steatosis. <i>Journal of Biological Chemistry</i> , 2019 , 294, 2009-2020	5.4	5
16	Diradylglycerols alter fatty acid inhibition of monoacylglycerol acyltransferase activity in Triton X-100 mixed micelles. <i>Biochemistry</i> , 1998 , 37, 5916-22	3.2	5
15	Modeling the Transition From Decompensated to Pathological Hypertrophy. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	4
14	Ontogeny of hepatic sn-1,2-diacylglycerol content and protein kinase C activity in the neonatal rat: lack of concordance. <i>Journal of Nutritional Biochemistry</i> , 1993 , 4, 313-318	6.3	3
13	Cerebral defects and nephrogenic diabetes insipidus with the ARC syndrome: Additional findings of a new syndrome (ARCC-NDI)? 1997 , 72, 335		2
12	Perilipin 5 interacts with Fatp4 at membrane contact sites to promote lipid droplet-to-mitochondria fatty acid transport		1
11	Hepatic overexpression of glycerol-sn-3-phosphate acyltransferase-1 causes insulin resistance. <i>FASEB Journal</i> , 2007 , 21, A699	0.9	1
10	Cardiomyocyte-specific ACSL1 Deficiency Prevents Cardiac Lipotoxicity and Alleviates Heart Dysfunction in the ob/ob Model of Obesity		1
9	Triacylglycerol synthesis directed by glycerol-3-phosphate acyltransferases -3 and -4 is required for lipid droplet formation and the modulation of the inflammatory response during macrophage to foam cell transition. <i>Atherosclerosis</i> , 2021 , 316, 1-7	3.1	1
8	Exercise Increases Bone in SEIPIN Deficient Lipodystrophy, Despite Low Marrow Adiposity.. <i>Frontiers in Endocrinology</i> , 2021 , 12, 782194	5.7	0
7	Overexpression of rat long chain acyl-CoA synthetase 1 alters fatty acid metabolism in rat primary hepatocytes. <i>FASEB Journal</i> , 2006 , 20, A86	0.9	
6	Lack of GPAT1 enhances the pathology associated with coxsackievirus B3 infection in mice. <i>FASEB Journal</i> , 2007 , 21, A63	0.9	
5	Fat mass is increased in the acyl-CoA synthetase-isoform 1 (ACSL1) adipose-specific knockout mouse. <i>FASEB Journal</i> , 2008 , 22, 147.1	0.9	
4	Adipocyte Ablation of Long-Chain Acyl-CoA Synthetase-4 (ACSL4) Protects Against Diet-Induced Obesity. <i>FASEB Journal</i> , 2015 , 29, 743.1	0.9	
3	Fatty acid transport protein mediates macrophage polarization. <i>FASEB Journal</i> , 2012 , 26, 364.6	0.9	

- 2 Fatty acid transport protein 1 mediates macrophage eicosanoid metabolism. *FASEB Journal*, **2013**, 27, 373.5 0.9
- 1 Glycerolipid intermediates alter insulin signaling. *FASEB Journal*, **2013**, 27, 453.3 0.9