James L Mcmanaman

List of Publications by Year
in descending order

49 papers	3,646 citations	147801 31 h-index	233421 45 g-index
49 all docs	49 docs citations	49 times ranked	4760 citing authors

#	Article	IF	Citations
1	The role of lipid droplets in metabolic disease in rodents and humans. Journal of Clinical Investigation, 2011, 121, 2102-2110.	8.2	526
2	Key stages in mammary gland development. Secretory activation in the mammary gland: it's not just about milk protein synthesis!. Breast Cancer Research, 2007, 9, 204.	5.0	325
3	Mammary physiology and milk secretion. Advanced Drug Delivery Reviews, 2003, 55, 629-641.	13.7	311
4	Metabolic regulation in the lactating mammary gland: a lipid synthesizing machine. Physiological Genomics, 2007, 28, 323-336.	2.3	219
5	Proteomics reveal a link between the endoplasmic reticulum and lipid secretory mechanisms in mammary epithelial cells. Electrophoresis, 2000, 21, 3470-3482.	2.4	206
6	Functional Development of the Mammary Gland: Use of Expression Profiling and Trajectory Clustering to Reveal Changes in Gene Expression During Pregnancy, Lactation, and Involution. Journal of Mammary Gland Biology and Neoplasia, 2003, 8, 287-307.	2.7	185
7	Perilipin-2-null mice are protected against diet-induced obesity, adipose inflammation, and fatty liver disease. Journal of Lipid Research, 2013, 54, 1346-1359.	4.2	176
8	Expression of constitutively activated Akt in the mammary gland leads to excess lipid synthesis during pregnancy and lactation. Journal of Lipid Research, 2003, 44, 1100-1112.	4.2	122
9	Lipid droplet targeting domains of adipophilin. Journal of Lipid Research, 2003, 44, 668-673.	4.2	95
10	Molecular Determinants of Milk Lipid Secretion. Journal of Mammary Gland Biology and Neoplasia, 2007, 12, 259-268.	2.7	88
11	Determinants of adipophilin function in milk lipid formation and secretion. Trends in Endocrinology and Metabolism, 2011, 22, 211-217.	7.1	83
12	Cytoplasmic lipid droplet accumulation in developing mammary epithelial cells: roles of adipophilin and lipid metabolism. Journal of Lipid Research, 2007, 48, 1463-1475.	4.2	79
13	High-Fat Diet Causes Subfertility and Compromised Ovarian Function Independent of Obesity in Mice1. Biology of Reproduction, 2016, 94, 108.	2.7	73
14	Secretion and Fluid Transport Mechanisms in the Mammary Gland: Comparisons with the Exocrine Pancreas and the Salivary Gland. Journal of Mammary Gland Biology and Neoplasia, 2006, 11, 249-268.	2.7	72
15	Perilipin-2 Deletion Impairs Hepatic Lipid Accumulation by Interfering with Sterol Regulatory Element-binding Protein (SREBP) Activation and Altering the Hepatic Lipidome. Journal of Biological Chemistry, 2016, 291, 24231-24246.	3.4	71
16	Dynamic Regulation of Hepatic Lipid Droplet Properties by Diet. PLoS ONE, 2013, 8, e67631.	2.5	62
17	Adipophilin regulates maturation of cytoplasmic lipid droplets and alveolae in differentiating mammary glands. Journal of Cell Science, 2011, 124, 3247-3253.	2.0	57
18	Perilipinâ€2 promotes obesity and progressive fatty liver disease in mice through mechanistically distinct hepatocyte and extraâ€hepatocyte actions. Journal of Physiology, 2019, 597, 1565-1584.	2.9	56

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19	Mammary glands of adipophilin-null mice produce an amino-terminally truncated form of adipophilin that mediates milk lipid droplet formation and secretion. Journal of Lipid Research, 2008, 49, 206-216.	4.2	54
20	Structural and Conformational Analysis of the Oxidase to Dehydrogenase Conversion of Xanthine Oxidoreductase. Journal of Biological Chemistry, 2002, 277, 21261-21268.	3.4	48
21	Chronic Ethanol Consumption in Mice Alters Hepatocyte Lipid Droplet Properties. Alcoholism: Clinical and Experimental Research, 2011, 35, 1020-1033.	2.4	48
22	Impact of Highâ€Fat Diet and Obesity on Energy Balance and Fuel Utilization During the Metabolic Challenge of Lactation. Obesity, 2012, 20, 65-75.	3.0	48
23	Perilipin-2 Modulates Lipid Absorption and Microbiome Responses in the Mouse Intestine. PLoS ONE, 2015, 10, e0131944.	2.5	43
24	Formation of milk lipids: a molecular perspective. Clinical Lipidology, 2009, 4, 391-401.	0.4	42
25	Xanthine oxidoreductase mediates membrane docking of milkâ€fat droplets but is not essential for apocrine lipid secretion. Journal of Physiology, 2016, 594, 5899-5921.	2.9	42
26	Multiple functions encoded by the N-terminal PAT domain of adipophilin. Journal of Cell Science, 2008, 121, 2921-2929.	2.0	39
27	The Adipophilin C Terminus Is a Self-folding Membrane-binding Domain That Is Important for Milk Lipid Secretion. Journal of Biological Chemistry, 2011, 286, 23254-23265.	3.4	39
28	Lipid Transport in the Lactating Mammary Gland. Journal of Mammary Gland Biology and Neoplasia, 2014, 19, 35-42.	2.7	38
29	Bile acid sequestration reverses liver injury and prevents progression of nonalcoholic steatohepatitis in Western dietâ€“fed mice. Journal of Biological Chemistry, 2020, 295, 4733-4747.	3.4	37
30	Maternal obesity during lactation may protect offspring from high fat diet-induced metabolic dysfunction. Nutrition and Diabetes, 2018, 8, 18.	3.2	36
31	Dynamics and Molecular Determinants of Cytoplasmic Lipid Droplet Clustering and Dispersion. PLoS ONE, 2013, 8, e66837.	2.5	36
32	Maternal Obesity Reduces Milk Lipid Production in Lactating Mice by Inhibiting Acetyl-CoA Carboxylase and Impairing Fatty Acid Synthesis. PLoS ONE, 2014, 9, e98066.	2.5	34
33	Single Cell RNA Sequencing of Human Milk-Derived Cells Reveals Sub-Populations of Mammary Epithelial Cells with Molecular Signatures of Progenitor and Mature States: a Novel, Non-invasive Framework for Investigating Human Lactation Physiology. Journal of Mammary Gland Biology and Neoplasia, 2020, 25, 367-387.	2.7	33
34	Milk lipid secretion: recent biomolecular aspects. Biomolecular Concepts, 2012, 3, 581-591.	2.2	31
35	Regulation of Milk Lipid Formation and Secretion in the Mouse Mammary Gland. Advances in Experimental Medicine and Biology, 2004, 554, 263-279.	1.6	28
36	Transgenic mice expressing recombinant human protein C exhibit defects in lactation and impaired mammary gland development. Transgenic Research, 2003, 12, 283-292.	2.4	27

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37	Perilipin-2 deletion promotes carbohydrate-mediated browning of white adipose tissue at ambient temperature. Journal of Lipid Research, 2018, 59, 1482-1500.	4.2	27
38	Lactation and its Hormonal Control. , 2015, , 2055-2105.		25
39	An autonomous metabolic role for Spen. PLoS Genetics, 2017, 13, e1006859.	3.5	19
40	Regulation of Tyrosine Hydroxylase Gene Expression in IMR-32 Neuroblastoma Cells by Basic Fibroblast Growth Factor and Ciliary Neurotrophic Factor. Journal of Neurochemistry, 2002, 64, 2404-2412.	3.9	18
41	Perilipin-2 modulates dietary fat-induced microbial global gene expression profiles in the mouse intestine. Microbiome, 2017, 5, 117.	11.1	17
42	Organellar Contacts of Milk Lipid Droplets. Contact (Thousand Oaks (Ventura County, Calif)), 2020, 3, 251525641989722.	1.3	12
43	Electron Tomography Revels that Milk Lipids Originate from Endoplasmic Reticulum Domains with Novel Structural Features. Journal of Mammary Gland Biology and Neoplasia, 2019, 24, 293-304.	2.7	11
44	Milk secretion and composition. , 2006, , 377-389.		4
45	Hijacking of Endocrine and Metabolic Regulation in Cancer and Diabetes. BioMed Research International, 2015, 2015, 1-2.	1.9	2
46	Lipid Transport Across the Mammary Gland. Physiology in Health and Disease, 2020, , 241-277.	0.3	1
47	Proteomics reveal a link between the endoplasmic reticulum and lipid secretory mechanisms in mammary epithelial cells. Electrophoresis, 2000, 21, 3470-3482.	2.4	1
48	Physiology of Lactation. , 2017, , 281-287.e1.		0
49	Human milk lipids: an overview. , 2021, , 91-102.		0