

# James L Mcmanaman

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

3,646  
citations

147566  
31  
h-index

243296  
44  
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. <i>Journal of Clinical Investigation</i> , 2011, 121, 2102-2110.	3.9	526
2	Key stages in mammary gland development. Secretory activation in the mammary gland: it's not just about milk protein synthesis!. <i>Breast Cancer Research</i> , 2007, 9, 204.	2.2	325
3	Mammary physiology and milk secretion. <i>Advanced Drug Delivery Reviews</i> , 2003, 55, 629-641.	6.6	311
4	Metabolic regulation in the lactating mammary gland: a lipid synthesizing machine. <i>Physiological Genomics</i> , 2007, 28, 323-336.	1.0	219
5	Proteomics reveal a link between the endoplasmic reticulum and lipid secretory mechanisms in mammary epithelial cells. <i>Electrophoresis</i> , 2000, 21, 3470-3482.	1.3	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. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2003, 8, 287-307.	1.0	185
7	Perilipin-2-null mice are protected against diet-induced obesity, adipose inflammation, and fatty liver disease. <i>Journal of Lipid Research</i> , 2013, 54, 1346-1359.	2.0	176
8	Expression of constitutively activated Akt in the mammary gland leads to excess lipid synthesis during pregnancy and lactation. <i>Journal of Lipid Research</i> , 2003, 44, 1100-1112.	2.0	122
9	Lipid droplet targeting domains of adipophilin. <i>Journal of Lipid Research</i> , 2003, 44, 668-673.	2.0	95
10	Molecular Determinants of Milk Lipid Secretion. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2007, 12, 259-268.	1.0	88
11	Determinants of adipophilin function in milk lipid formation and secretion. <i>Trends in Endocrinology and Metabolism</i> , 2011, 22, 211-217.	3.1	83
12	Cytoplasmic lipid droplet accumulation in developing mammary epithelial cells: roles of adipophilin and lipid metabolism. <i>Journal of Lipid Research</i> , 2007, 48, 1463-1475.	2.0	79
13	High-Fat Diet Causes Subfertility and Compromised Ovarian Function Independent of Obesity in Mice <sup>1</sup> . <i>Biology of Reproduction</i> , 2016, 94, 108.	1.2	73
14	Secretion and Fluid Transport Mechanisms in the Mammary Gland: Comparisons with the Exocrine Pancreas and the Salivary Gland. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2006, 11, 249-268.	1.0	72
15	Perilipin-2 Deletion Impairs Hepatic Lipid Accumulation by Interfering with Sterol Regulatory Element-binding Protein (SREBP) Activation and Altering the Hepatic Lipidome. <i>Journal of Biological Chemistry</i> , 2016, 291, 24231-24246.	1.6	71
16	Dynamic Regulation of Hepatic Lipid Droplet Properties by Diet. <i>PLoS ONE</i> , 2013, 8, e67631.	1.1	62
17	Adipophilin regulates maturation of cytoplasmic lipid droplets and alveolae in differentiating mammary glands. <i>Journal of Cell Science</i> , 2011, 124, 3247-3253.	1.2	57
18	Perilipin <sup>2</sup> promotes obesity and progressive fatty liver disease in mice through mechanistically distinct hepatocyte and extrahepatocyte actions. <i>Journal of Physiology</i> , 2019, 597, 1565-1584.	1.3	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. <i>Journal of Lipid Research</i> , 2008, 49, 206-216.	2.0	54
20	Structural and Conformational Analysis of the Oxidase to Dehydrogenase Conversion of Xanthine Oxidoreductase. <i>Journal of Biological Chemistry</i> , 2002, 277, 21261-21268.	1.6	48
21	Chronic Ethanol Consumption in Mice Alters Hepatocyte Lipid Droplet Properties. <i>Alcoholism: Clinical and Experimental Research</i> , 2011, 35, 1020-1033.	1.4	48
22	Impact of High-Fat Diet and Obesity on Energy Balance and Fuel Utilization During the Metabolic Challenge of Lactation. <i>Obesity</i> , 2012, 20, 65-75.	1.5	48
23	Perilipin-2 Modulates Lipid Absorption and Microbiome Responses in the Mouse Intestine. <i>PLoS ONE</i> , 2015, 10, e0131944.	1.1	43
24	Formation of milk lipids: a molecular perspective. <i>Clinical Lipidology</i> , 2009, 4, 391-401.	0.4	42
25	Xanthine oxidoreductase mediates membrane docking of milk-fat droplets but is not essential for apocrine lipid secretion. <i>Journal of Physiology</i> , 2016, 594, 5899-5921.	1.3	42
26	Multiple functions encoded by the N-terminal PAT domain of adipophilin. <i>Journal of Cell Science</i> , 2008, 121, 2921-2929.	1.2	39
27	The Adipophilin C Terminus Is a Self-folding Membrane-binding Domain That Is Important for Milk Lipid Secretion. <i>Journal of Biological Chemistry</i> , 2011, 286, 23254-23265.	1.6	39
28	Lipid Transport in the Lactating Mammary Gland. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2014, 19, 35-42.	1.0	38
29	Bile acid sequestration reverses liver injury and prevents progression of nonalcoholic steatohepatitis in Western diet-fed mice. <i>Journal of Biological Chemistry</i> , 2020, 295, 4733-4747.	1.6	37
30	Maternal obesity during lactation may protect offspring from high fat diet-induced metabolic dysfunction. <i>Nutrition and Diabetes</i> , 2018, 8, 18.	1.5	36
31	Dynamics and Molecular Determinants of Cytoplasmic Lipid Droplet Clustering and Dispersion. <i>PLoS ONE</i> , 2013, 8, e66837.	1.1	36
32	Maternal Obesity Reduces Milk Lipid Production in Lactating Mice by Inhibiting Acetyl-CoA Carboxylase and Impairing Fatty Acid Synthesis. <i>PLoS ONE</i> , 2014, 9, e98066.	1.1	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. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2020, 25, 367-387.	1.0	33
34	Milk lipid secretion: recent biomolecular aspects. <i>Biomolecular Concepts</i> , 2012, 3, 581-591.	1.0	31
35	Regulation of Milk Lipid Formation and Secretion in the Mouse Mammary Gland. <i>Advances in Experimental Medicine and Biology</i> , 2004, 554, 263-279.	0.8	28
36	Transgenic mice expressing recombinant human protein C exhibit defects in lactation and impaired mammary gland development. <i>Transgenic Research</i> , 2003, 12, 283-292.	1.3	27

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37	Perilipin-2 deletion promotes carbohydrate-mediated browning of white adipose tissue at ambient temperature. <i>Journal of Lipid Research</i> , 2018, 59, 1482-1500.	2.0	27
38	Lactation and its Hormonal Control. , 2015, , 2055-2105.		25
39	An autonomous metabolic role for Spen. <i>PLoS Genetics</i> , 2017, 13, e1006859.	1.5	19
40	Regulation of Tyrosine Hydroxylase Gene Expression in IMR-32 Neuroblastoma Cells by Basic Fibroblast Growth Factor and Ciliary Neurotrophic Factor. <i>Journal of Neurochemistry</i> , 2002, 64, 2404-2412.	2.1	18
41	Perilipin-2 modulates dietary fat-induced microbial global gene expression profiles in the mouse intestine. <i>Microbiome</i> , 2017, 5, 117.	4.9	17
42	Organellar Contacts of Milk Lipid Droplets. <i>Contact (Thousand Oaks (Ventura County, Calif ))</i> , 2020, 3, 251525641989722.	0.4	12
43	Electron Tomography Reveals that Milk Lipids Originate from Endoplasmic Reticulum Domains with Novel Structural Features. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2019, 24, 293-304.	1.0	11
44	Milk secretion and composition. , 2006, , 377-389.		4
45	Hijacking of Endocrine and Metabolic Regulation in Cancer and Diabetes. <i>BioMed Research International</i> , 2015, 2015, 1-2.	0.9	2
46	Lipid Transport Across the Mammary Gland. <i>Physiology in Health and Disease</i> , 2020, , 241-277.	0.2	1
47	Proteomics reveal a link between the endoplasmic reticulum and lipid secretory mechanisms in mammary epithelial cells. , 2000, 21, 3470.		1
48	Physiology of Lactation. , 2017, , 281-287.e1.		0
49	Human milk lipids: an overview. , 2021, , 91-102.		0