

Luis B Agellon

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

5,093
citations

172457

29
h-index

91884

69
g-index

73
all docs

73
docs citations

73
times ranked

8171
citing authors

#	ARTICLE	IF	CITATIONS
1	MicrobiomeAnalyst: a web-based tool for comprehensive statistical, visual and meta-analysis of microbiome data. <i>Nucleic Acids Research</i> , 2017, 45, W180-W188.	14.5	1,359
2	The ratio of phosphatidylcholine to phosphatidylethanolamine influences membrane integrity and steatohepatitis. <i>Cell Metabolism</i> , 2006, 3, 321-331.	16.2	558
3	Ca ²⁺ homeostasis and endoplasmic reticulum (ER) stress: An integrated view of calcium signaling. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 114-121.	2.1	416
4	Biology of Endoplasmic Reticulum Stress in the Heart. <i>Circulation Research</i> , 2010, 107, 1185-1197.	4.5	266
5	Biochemical and Evolutionary Significance of Phospholipid Methylation. <i>Journal of Biological Chemistry</i> , 1998, 273, 27043-27046.	3.4	205
6	The intestinal fatty acid binding protein is not essential for dietary fat absorption in mice. <i>FASEB Journal</i> , 2000, 14, 2040-2046.	0.5	167
7	Coping with Endoplasmic Reticulum Stress in the Cardiovascular System. <i>Annual Review of Physiology</i> , 2013, 75, 49-67.	13.1	148
8	Efficacy of the porcine species in biomedical research. <i>Frontiers in Genetics</i> , 2015, 6, 293.	2.3	148
9	Phosphatidylcholine Homeostasis and Liver Failure. <i>Journal of Biological Chemistry</i> , 2005, 280, 37798-37802.	3.4	125
10	Cardiac-specific Expression of Calcineurin Reverses Embryonic Lethality in Calreticulin-deficient Mouse. <i>Journal of Biological Chemistry</i> , 2002, 277, 50776-50779.	3.4	93
11	Transport and biological activities of bile acids. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 1389-1398.	2.8	92
12	Endoplasmic Reticulum Stress, Genome Damage, and Cancer. <i>Frontiers in Oncology</i> , 2015, 5, 11.	2.8	86
13	ABCA1-dependent lipid efflux to apolipoprotein A-I mediates HDL particle formation and decreases VLDL secretion from murine hepatocytes. <i>Journal of Lipid Research</i> , 2004, 45, 1122-1131.	4.2	78
14	Intracellular lipid binding proteins of the small intestine. <i>Molecular and Cellular Biochemistry</i> , 2002, 239, 79-82.	3.1	74
15	Sex differences in lipid metabolism and metabolic disease risk. <i>Biochemistry and Cell Biology</i> , 2012, 90, 124-141.	2.0	72
16	Calreticulin signals upstream of calcineurin and MEF2C in a critical Ca ²⁺ -dependent signaling cascade. <i>Journal of Cell Biology</i> , 2005, 170, 37-47.	5.2	71
17	Dietary Cholesterol Fails to Stimulate the Human Cholesterol 7 α -Hydroxylase Gene (CYP7A1) in Transgenic Mice. <i>Journal of Biological Chemistry</i> , 2002, 277, 20131-20134.	3.4	66
18	Different functions of intestinal and liver-type fatty acid-binding proteins in intestine and in whole body energy homeostasis. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, G803-G814.	3.4	64

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19	Calnexin Deficiency Leads to Dysmyelination. <i>Journal of Biological Chemistry</i> , 2010, 285, 18928-18938.	3.4	62
20	Calcium signaling and endoplasmic reticulum stress. <i>International Review of Cell and Molecular Biology</i> , 2021, 363, 1-20.	3.2	61
21	The Ileal Lipid Binding Protein Is Required for Efficient Absorption and Transport of Bile Acids in the Distal Portion of the Murine Small Intestine. <i>PLoS ONE</i> , 2012, 7, e50810.	2.5	56
22	Inhibition of the Unfolded Protein Response Mechanism Prevents Cardiac Fibrosis. <i>PLoS ONE</i> , 2016, 11, e0159682.	2.5	50
23	Direct Comparison of Mice Null for Liver or Intestinal Fatty Acid-binding Proteins Reveals Highly Divergent Phenotypic Responses to High Fat Feeding. <i>Journal of Biological Chemistry</i> , 2013, 288, 30330-30344.	3.4	43
24	Choline Redistribution during Adaptation to Choline Deprivation. <i>Journal of Biological Chemistry</i> , 2007, 282, 10283-10289.	3.4	41
25	Dietary rhubarb (<i>Rheum raphaniticum</i>) stalk fibre stimulates cholesterol 7 α -hydroxylase gene expression and bile acid excretion in cholesterol-fed C57BL/6J mice. <i>British Journal of Nutrition</i> , 1999, 81, 65-71.	2.3	40
26	Separation and Quantitation of Bile Acids Using an Isocratic Solvent System for High Performance Liquid Chromatography Coupled to an Evaporative Light Scattering Detector. <i>Analytical Biochemistry</i> , 2001, 298, 293-298.	2.4	37
27	Importance of Nutrients and Nutrient Metabolism on Human Health. <i>Yale Journal of Biology and Medicine</i> , 2018, 91, 95-103.	0.2	34
28	Intracellular lipid binding proteins of the small intestine. <i>Molecular and Cellular Biochemistry</i> , 2002, 239, 79-82.	3.1	34
29	The unique acyl chain specificity of biliary phosphatidylcholines in mice is independent of their biosynthetic origin in the liver. <i>Hepatology</i> , 1999, 30, 725-729.	7.3	30
30	Loss of Calreticulin Uncovers a Critical Role for Calcium in Regulating Cellular Lipid Homeostasis. <i>Scientific Reports</i> , 2017, 7, 5941.	3.3	30
31	The rise of proteostasis promoters. <i>IUBMB Life</i> , 2016, 68, 943-954.	3.4	29
32	Extract of <i>Solanum tuberosum</i> L.) decreases body weight gain and adiposity and improves glucose control in the mouse model of diet-induced obesity. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 2235-2238.	3.3	25
33	Loss of intestinal fatty acid binding protein increases the susceptibility of male mice to high fat diet-induced fatty liver. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007, 1771, 1283-1288.	2.4	24
34	Organellar Calcium Handling in the Cellular Reticular Network. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a038265.	5.5	24
35	Differential abundance of IGF1, bile acids, and the genes involved in their signaling in the dominant follicle microenvironment of lactating cows and nulliparous heifers. <i>Theriogenology</i> , 2014, 81, 771-779.	2.1	22
36	Two pools of IRE1 α in cardiac and skeletal muscle cells. <i>FASEB Journal</i> , 2019, 33, 8892-8904.	0.5	22

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37	Endoplasmic Reticulum Malfunction in the Nervous System. <i>Frontiers in Neuroscience</i> , 2017, 11, 220.	2.8	21
38	Relief of endoplasmic reticulum stress enhances DNA damage repair and improves development of pre-implantation embryos. <i>PLoS ONE</i> , 2017, 12, e0187717.	2.5	21
39	Histone Lysine Demethylases KDM5B and KDM5C Modulate Genome Activation and Stability in Porcine Embryos. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 151.	3.7	21
40	Metabolism of Cholesterol Is Altered in the Liver of C3H Mice Fed Fats Enriched with Different C-18 Fatty Acids. <i>Journal of Nutrition</i> , 1999, 129, 1718-1724.	2.9	18
41	Adaptations to the loss of intestinal fatty acid binding protein in mice. <i>Molecular and Cellular Biochemistry</i> , 2006, 284, 159-166.	3.1	18
42	The fatty acid binding protein 6 gene (<i>Fabp6</i>) is expressed in murine granulosa cells and is involved in ovulatory response to superstimulation. <i>Journal of Reproduction and Development</i> , 2015, 61, 237-240.	1.4	17
43	Stress Coping Strategies in the Heart: An Integrated View. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 168.	2.4	17
44	The relative ligand binding preference of the murine ileal lipid binding protein. <i>Protein Expression and Purification</i> , 2003, 28, 25-33.	1.3	16
45	Cyclosporine A binding to COX-2 reveals a novel signaling pathway that activates the IRE1 \pm unfolded protein response sensor. <i>Scientific Reports</i> , 2018, 8, 16678.	3.3	16
46	Calnexin is necessary for T cell transmigration into the central nervous system. <i>JCI Insight</i> , 2018, 3, .	5.0	14
47	Tauroursodeoxycholic acid acts via TGR5 receptor to facilitate DNA damage repair and improve early porcine embryo development. <i>Molecular Reproduction and Development</i> , 2020, 87, 161-173.	2.0	14
48	High plasma cholesterol in drug-induced cholestasis is associated with enhanced hepatic cholesterol synthesis. <i>American Journal of Physiology - Renal Physiology</i> , 1999, 276, G1165-G1173.	3.4	13
49	The Endoplasmic Reticulum and the Cellular Reticular Network. <i>Advances in Experimental Medicine and Biology</i> , 2017, 981, 61-76.	1.6	13
50	Production of Cloned Pigs with Targeted Attenuation of Gene Expression. <i>PLoS ONE</i> , 2013, 8, e64613.	2.5	11
51	Fatty acid binding protein (Fabp) 5 interacts with the calnexin cytoplasmic domain at the endoplasmic reticulum. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 202-206.	2.1	9
52	The role of phosphatidylethanolamine methyltransferase in a mouse model of intrahepatic cholestasis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 278-283.	2.4	8
53	Avoiding raising the ire of IRE1 \pm . <i>Cell Calcium</i> , 2019, 83, 102056.	2.4	8
54	The Fabp5/calnexin complex is a prerequisite for sensitization of mice to experimental autoimmune encephalomyelitis. <i>FASEB Journal</i> , 2020, 34, 16662-16675.	0.5	7

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55	Sexually dimorphic response of mice to the Western-style diet caused by deficiency of fatty acid binding protein 6 (Fabp6). <i>Physiological Reports</i> , 2021, 9, e14733.	1.7	7
56	Longitudinal Patterns of Food Procurement Over the Course of the COVID-19 Pandemic: Findings From a Canadian Online Household Survey. <i>Frontiers in Public Health</i> , 2021, 9, 752204.	2.7	7
57	Distinct Alteration of Gene Expression Programs in the Small Intestine of Male and Female Mice in Response to Ablation of Intestinal Fabp Genes. <i>Genes</i> , 2020, 11, 943.	2.4	6
58	Metabolism and function of bile acids. , 2008, , 423-440.		5
59	Visualization of Sex-Dimorphic Changes in the Intestinal Transcriptome of Fabp2 Gene-Ablated Mice. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2012, 5, 45-55.	1.3	5
60	Tauroursodeoxycholic acid/TGR5 signaling promotes survival and early development of glucose-stressed porcine embryos. <i>Biology of Reproduction</i> , 2021, 105, 76-86.	2.7	5
61	Human Milk Microbiota in an Indigenous Population Is Associated with Maternal Factors, Stage of Lactation, and Breastfeeding Practices. <i>Current Developments in Nutrition</i> , 2021, 5, nzab013.	0.3	5
62	Tauroursodeoxycholic acid attenuates cyclosporine-induced renal fibrogenesis in the mouse model. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1210-1216.	2.4	4
63	Phylogenetic and biochemical analysis of calsequestrin structure and association of its variants with cardiac disorders. <i>Scientific Reports</i> , 2020, 10, 18115.	3.3	4
64	Somatic Cell Nuclear Transfer and the Creation of Transgenic Large Animal Models. , 2015, , 123-143.		3
65	Endoplasmic reticulum calcium dictates the distribution of intracellular unesterified cholesterol. <i>Cell Calcium</i> , 2018, 76, 116-121.	2.4	3
66	Selective enhancement of cardiomyocyte efficiency results in a pernicious heart condition. <i>PLoS ONE</i> , 2020, 15, e0236457.	2.5	3
67	Editorial. <i>Molecular and Cellular Biochemistry</i> , 2009, 326, 1-1.	3.1	2
68	A novel, scalable, and modular bioreactor design for dynamic simulation of the digestive tract. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4338-4346.	3.3	2
69	Plasma levels of carbon metabolism nutrients in women with anorexia nervosa. <i>International Journal of Eating Disorders</i> , 2020, 53, 1534-1538.	4.0	2
70	Cell Cycle Stage and DNA Repair Pathway Influence CRISPR/Cas9 Gene Editing Efficiency in Porcine Embryos. <i>Life</i> , 2022, 12, 171.	2.4	2
71	A View of the Endoplasmic Reticulum Through the Calreticulin Lens. <i>Progress in Molecular and Subcellular Biology</i> , 2021, 59, 1-11.	1.6	1
72	Adaptation to Choline Deprivation: Choline Redistribution and Choline Storage. <i>FASEB Journal</i> , 2006, 20, A86.	0.5	0