

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 | 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 |
| 2 | Calcium signaling and endoplasmic reticulum stress. <i>International Review of Cell and Molecular Biology</i> , 2021, 363, 1-20. | 3.2 | 61 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Phylogenetic and biochemical analysis of calnexin structure and association of its variants with cardiac disorders. <i>Scientific Reports</i> , 2020, 10, 18115. | 3.3 | 4 |
| 11 | 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 |
| 12 | Selective enhancement of cardiomyocyte efficiency results in a pernicious heart condition. <i>PLoS ONE</i> , 2020, 15, e0236457. | 2.5 | 3 |
| 13 | 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 |
| 14 | 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 |
| 15 | Plasma levels of omega-3 carbon metabolism nutrients in women with anorexia nervosa. <i>International Journal of Eating Disorders</i> , 2020, 53, 1534-1538. | 4.0 | 2 |
| 16 | Organellar Calcium Handling in the Cellular Reticular Network. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a038265. | 5.5 | 24 |
| 17 | Avoiding raising the ire of IRE1. <i>Cell Calcium</i> , 2019, 83, 102056. | 2.4 | 8 |
| 18 | Two pools of IRE1 in cardiac and skeletal muscle cells. <i>FASEB Journal</i> , 2019, 33, 8892-8904. | 0.5 | 22 |

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|----|---|------|-----------|
| 19 | 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 |
| 20 | Calnexin is necessary for T cell transmigration into the central nervous system. <i>JCI Insight</i> , 2018, 3, . | 5.0 | 14 |
| 21 | 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 |
| 22 | Endoplasmic reticulum calcium dictates the distribution of intracellular unesterified cholesterol. <i>Cell Calcium</i> , 2018, 76, 116-121. | 2.4 | 3 |
| 23 | Stress Coping Strategies in the Heart: An Integrated View. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 168. | 2.4 | 17 |
| 24 | Importance of Nutrients and Nutrient Metabolism on Human Health. <i>Yale Journal of Biology and Medicine</i> , 2018, 91, 95-103. | 0.2 | 34 |
| 25 | 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 |
| 26 | 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 |
| 27 | Loss of Calreticulin Uncovers a Critical Role for Calcium in Regulating Cellular Lipid Homeostasis. <i>Scientific Reports</i> , 2017, 7, 5941. | 3.3 | 30 |
| 28 | The Endoplasmic Reticulum and the Cellular Reticular Network. <i>Advances in Experimental Medicine and Biology</i> , 2017, 981, 61-76. | 1.6 | 13 |
| 29 | Endoplasmic Reticulum Malfunction in the Nervous System. <i>Frontiers in Neuroscience</i> , 2017, 11, 220. | 2.8 | 21 |
| 30 | 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 |
| 31 | Inhibition of the Unfolded Protein Response Mechanism Prevents Cardiac Fibrosis. <i>PLoS ONE</i> , 2016, 11, e0159682. | 2.5 | 50 |
| 32 | The rise of proteostasis promoters. <i>IUBMB Life</i> , 2016, 68, 943-954. | 3.4 | 29 |
| 33 | Efficacy of the porcine species in biomedical research. <i>Frontiers in Genetics</i> , 2015, 6, 293. | 2.3 | 148 |
| 34 | 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 |
| 35 | 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 |
| 36 | Somatic Cell Nuclear Transfer and the Creation of Transgenic Large Animal Models. , 2015, , 123-143. | | 3 |

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|----|--|------|-----------|
| 37 | Endoplasmic Reticulum Stress, Genome Damage, and Cancer. <i>Frontiers in Oncology</i> , 2015, 5, 11. | 2.8 | 86 |
| 38 | Extract of Irish potatoes (<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 |
| 39 | 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 |
| 40 | Transport and biological activities of bile acids. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 1389-1398. | 2.8 | 92 |
| 41 | Coping with Endoplasmic Reticulum Stress in the Cardiovascular System. <i>Annual Review of Physiology</i> , 2013, 75, 49-67. | 13.1 | 148 |
| 42 | 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 |
| 43 | Production of Cloned Pigs with Targeted Attenuation of Gene Expression. <i>PLoS ONE</i> , 2013, 8, e64613. | 2.5 | 11 |
| 44 | Visualization of Sex-Dimorphic Changes in the Intestinal Transcriptome of <i>Fabp2</i> Gene-Ablated Mice. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2012, 5, 45-55. | 1.3 | 5 |
| 45 | Sex differences in lipid metabolism and metabolic disease risk. <i>Biochemistry and Cell Biology</i> , 2012, 90, 124-141. | 2.0 | 72 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | Calnexin Deficiency Leads to Dysmyelination. <i>Journal of Biological Chemistry</i> , 2010, 285, 18928-18938. | 3.4 | 62 |
| 50 | Biology of Endoplasmic Reticulum Stress in the Heart. <i>Circulation Research</i> , 2010, 107, 1185-1197. | 4.5 | 266 |
| 51 | Editorial. <i>Molecular and Cellular Biochemistry</i> , 2009, 326, 1-1. | 3.1 | 2 |
| 52 | Metabolism and function of bile acids. , 2008, , 423-440. | | 5 |
| 53 | Choline Redistribution during Adaptation to Choline Deprivation. <i>Journal of Biological Chemistry</i> , 2007, 282, 10283-10289. | 3.4 | 41 |
| 54 | 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 |

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|----|---|------|-----------|
| 55 | The ratio of phosphatidylcholine to phosphatidylethanolamine influences membrane integrity and steatohepatitis. <i>Cell Metabolism</i> , 2006, 3, 321-331. | 16.2 | 558 |
| 56 | 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 |
| 57 | Adaptation to Choline Deprivation: Choline Redistribution and Choline Storage. <i>FASEB Journal</i> , 2006, 20, A86. | 0.5 | 0 |
| 58 | 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 |
| 59 | Phosphatidylcholine Homeostasis and Liver Failure. <i>Journal of Biological Chemistry</i> , 2005, 280, 37798-37802. | 3.4 | 125 |
| 60 | 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 |
| 61 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | Intracellular lipid binding proteins of the small intestine. <i>Molecular and Cellular Biochemistry</i> , 2002, 239, 79-82. | 3.1 | 74 |
| 65 | Intracellular lipid binding proteins of the small intestine. <i>Molecular and Cellular Biochemistry</i> , 2002, 239, 79-82. | 3.1 | 34 |
| 66 | 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 |
| 67 | 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 |
| 68 | 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 |
| 69 | 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 |
| 70 | 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 |
| 71 | 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 |
| 72 | Biochemical and Evolutionary Significance of Phospholipid Methylation. <i>Journal of Biological Chemistry</i> , 1998, 273, 27043-27046. | 3.4 | 205 |