

Jessica M Ellis

List of Publications by Year in descending order

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35
papers

1,821
citations

430874

18
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434195

31
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36
all docs

36
docs citations

36
times ranked

3385
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Adipose Acyl-CoA Synthetase-1 Directs Fatty Acids toward β^2 -Oxidation and Is Required for Cold Thermogenesis. <i>Cell Metabolism</i> , 2010, 12, 53-64. | 16.2 | 277 |
| 2 | Liver-specific Loss of Long Chain Acyl-CoA Synthetase-1 Decreases Triacylglycerol Synthesis and β^2 -Oxidation and Alters Phospholipid Fatty Acid Composition. <i>Journal of Biological Chemistry</i> , 2009, 284, 27816-27826. | 3.4 | 188 |
| 3 | Acyl-coenzyme A synthetases in metabolic control. <i>Current Opinion in Lipidology</i> , 2010, 21, 212-217. | 2.7 | 182 |
| 4 | Adipose Fatty Acid Oxidation Is Required for Thermogenesis and Potentiates Oxidative Stress-Induced Inflammation. <i>Cell Reports</i> , 2015, 10, 266-279. | 6.4 | 169 |
| 5 | Mouse Cardiac Acyl Coenzyme A Synthetase 1 Deficiency Impairs Fatty Acid Oxidation and Induces Cardiac Hypertrophy. <i>Molecular and Cellular Biology</i> , 2011, 31, 1252-1262. | 2.3 | 156 |
| 6 | Wnt-Lrp5 Signaling Regulates Fatty Acid Metabolism in the Osteoblast. <i>Molecular and Cellular Biology</i> , 2015, 35, 1979-1991. | 2.3 | 115 |
| 7 | Peroxisomal acyl-CoA synthetases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1411-1420. | 3.8 | 109 |
| 8 | Metabolic and Tissue-Specific Regulation of Acyl-CoA Metabolism. <i>PLoS ONE</i> , 2015, 10, e0116587. | 2.5 | 80 |
| 9 | Acyl Coenzyme A Thioesterase 7 Regulates Neuronal Fatty Acid Metabolism To Prevent Neurotoxicity. <i>Molecular and Cellular Biology</i> , 2013, 33, 1869-1882. | 2.3 | 69 |
| 10 | A Genetically Encoded Metabolite Sensor for Malonyl-CoA. <i>Chemistry and Biology</i> , 2012, 19, 1333-1339. | 6.0 | 51 |
| 11 | Acyl-CoA synthetase 6 enriches the neuroprotective omega-3 fatty acid DHA in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12525-12530. | 7.1 | 49 |
| 12 | Loss of cardiac carnitine palmitoyltransferase 2 results in rapamycin-resistant, acetylation-independent hypertrophy. <i>Journal of Biological Chemistry</i> , 2017, 292, 18443-18456. | 3.4 | 46 |
| 13 | 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, 4641-4653. | 0.5 | 30 |
| 14 | 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, 880-887. | 2.4 | 28 |
| 15 | Acyl-CoA synthetase 6 enriches seminiferous tubules with the ω -3 fatty acid docosahexaenoic acid and is required for male fertility in the mouse. <i>Journal of Biological Chemistry</i> , 2019, 294, 14394-14405. | 3.4 | 28 |
| 16 | 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, . | 3.7 | 27 |
| 17 | Loss of Muscle Carnitine Palmitoyltransferase 2 Prevents Diet-Induced Obesity and Insulin Resistance despite Long-Chain Acylcarnitine Accumulation. <i>Cell Reports</i> , 2020, 33, 108374. | 6.4 | 22 |
| 18 | High-Frequency 4-Dimensional Ultrasound (4DUS): A Reliable Method for Assessing Murine Cardiac Function. <i>Tomography</i> , 2017, 3, 180-187. | 1.8 | 22 |

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|----|---|-----|-----------|
| 19 | Skeletal muscle undergoes fiber type metabolic switch without myosin heavy chain switch in response to defective fatty acid oxidation. <i>Molecular Metabolism</i> , 2022, 59, 101456. | 6.5 | 22 |
| 20 | Inflammatory stimuli induce acyl-CoA thioesterase 7 and remodeling of phospholipids containing unsaturated long (â%ŸC20)-acyl chains in macrophages. <i>Journal of Lipid Research</i> , 2017, 58, 1174-1185. | 4.2 | 21 |
| 21 | Mice Deficient in Glycerol-3-Phosphate Acyltransferase-1 Have a Reduced Susceptibility to Liver Cancer. <i>Toxicologic Pathology</i> , 2012, 40, 513-521. | 1.8 | 20 |
| 22 | Acyl-CoA synthetases as regulators of brain phospholipid acyl-chain diversity. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 161, 102175. | 2.2 | 18 |
| 23 | Tissue-specific characterization of mitochondrial branched-chain keto acid oxidation using a multiplexed assay platform. <i>Biochemical Journal</i> , 2019, 476, 1521-1537. | 3.7 | 17 |
| 24 | Acyl-CoA synthetase 6 is required for brain docosahexaenoic acid retention and neuroprotection during aging. <i>JCI Insight</i> , 2021, 6, . | 5.0 | 16 |
| 25 | Octanoate is differentially metabolized in liver and muscle and fails to rescue cardiomyopathy in CPT2 deficiency. <i>Journal of Lipid Research</i> , 2021, 62, 100069. | 4.2 | 16 |
| 26 | The role of ethanolamine phosphate phospholyase in regulation of astrocyte lipid homeostasis. <i>Journal of Biological Chemistry</i> , 2021, 297, 100830. | 3.4 | 12 |
| 27 | Improving characterization of hypertrophy-induced murine cardiac dysfunction using four-dimensional ultrasound-derived strain mapping. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H197-H207. | 3.2 | 11 |
| 28 | A mitochondrial long-chain fatty acid oxidation defect leads to transfer RNA uncharging and activation of the integrated stress response in the mouse heart. <i>Cardiovascular Research</i> , 2022, 118, 3198-3210. | 3.8 | 9 |
| 29 | A single bout of cycling exercise induces nucleosome repositioning in the skeletal muscle of lean and overweight/obese individuals. <i>Diabetes, Obesity and Metabolism</i> , 2022, 24, 21-33. | 4.4 | 6 |
| 30 | Loss of ACOT7 potentiates seizures and metabolic dysfunction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E941-E951. | 3.5 | 4 |
| 31 | Longâ€Chain Acylâ€CoA synthetase 6 deficiency reduces the omegaâ€3 fatty acid DHA in the brain and disrupts motor control. <i>FASEB Journal</i> , 2018, 32, 539.21. | 0.5 | 1 |
| 32 | Acylâ€CoA synthetase 6 is required for brain docosahexaenoic acid retention and neuroprotection during aging. <i>FASEB Journal</i> , 2021, 35, . | 0.5 | 0 |
| 33 | Requirement of Fatty Acid Oxidation to Attenuate Cardiac Hypertrophy. <i>FASEB Journal</i> , 2018, 32, . | 0.5 | 0 |
| 34 | Limited Fatty Acid Oxidation (FAO) in CPT2 Knockout Myocytes Associates with Insulin Resistance and Cell Stress: possible role of acylcarnitine lipotoxicity. <i>FASEB Journal</i> , 2019, 33, 701.10. | 0.5 | 0 |
| 35 | Abstract 12856: Novel Four-Dimensional Ultrasound Metric Improves Detection of Heart Failure Progression in Hypertrophic Cardiomyopathy. <i>Circulation</i> , 2021, 144, . | 1.6 | 0 |