Jessica M Ellis

List of Publications by Year
in descending order

35 papers	1,821 citations	430874 18 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	3385 citing authors

#	Article	IF	Citations
1	A single bout of cycling exercise induces nucleosome repositioning in the skeletal muscle of lean and overweight/obese individuals. Diabetes, Obesity and Metabolism, 2022, 24, 21-33.	4.4	6
2	Skeletal muscle undergoes fiber type metabolic switch without myosin heavy chain switch in response to defective fatty acid oxidation. Molecular Metabolism, 2022, 59, 101456.	6.5	22
3	A mitochondrial long-chain fatty acid oxidation defect leads to transfer RNA uncharging and activation of the integrated stress response in the mouse heart. Cardiovascular Research, 2022, 118, 3198-3210.	3.8	9
4	Acylâ€CoA synthetase 6 is required for brain docosahexaenoic acid retention and neuroprotection during aging. FASEB Journal, 2021, 35, .	0.5	0
5	Acyl-CoA synthetase 6 is required for brain docosahexaenoic acid retention and neuroprotection during aging. JCI Insight, 2021, 6, .	5.0	16
6	Improving characterization of hypertrophy-induced murine cardiac dysfunction using four-dimensional ultrasound-derived strain mapping. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H197-H207.	3.2	11
7	The role of ethanolamine phosphate phospholyase in regulation of astrocyte lipid homeostasis. Journal of Biological Chemistry, 2021, 297, 100830.	3.4	12
8	Octanoate is differentially metabolized in liver and muscle and fails to rescue cardiomyopathy in CPT2 deficiency. Journal of Lipid Research, 2021, 62, 100069.	4.2	16
9	Abstract 12856: Novel Four-Dimensional Ultrasound Metric Improves Detection of Heart Failure Progression in Hypertrophic Cardiomyopathy. Circulation, 2021, 144, .	1.6	0
10	Acyl-CoA synthetases as regulators of brain phospholipid acyl-chain diversity. Prostaglandins Leukotrienes and Essential Fatty Acids, 2020, 161, 102175.	2.2	18
11	Loss of Muscle Carnitine Palmitoyltransferase 2 Prevents Diet-Induced Obesity and Insulin Resistance despite Long-Chain Acylcarnitine Accumulation. Cell Reports, 2020, 33, 108374.	6.4	22
12	Acyl-CoA synthetase 6 enriches seminiferous tubules with the Ï‰-3 fatty acid docosahexaenoic acid and is required for male fertility in the mouse. Journal of Biological Chemistry, 2019, 294, 14394-14405.	3.4	28
13	Tissue-specific characterization of mitochondrial branched-chain keto acid oxidation using a multiplexed assay platform. Biochemical Journal, 2019, 476, 1521-1537.	3.7	17
14	Loss of ACOT7 potentiates seizures and metabolic dysfunction. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E941-E951.	3.5	4
15	Limited Fatty Acid Oxidation (FAO) in CPT2 Knockout Myocytes Associates with Insulin Resistance and Cell Stress: possible role of acylcarnitine lipotoxicity. FASEB Journal, 2019, 33, 701.10.	0.5	0
16	Acyl-CoA synthetase 6 enriches the neuroprotective omega-3 fatty acid DHA in the brain. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12525-12530.	7.1	49
17	Requirement of Fatty Acid Oxidation to Attenuate Cardiac Hypertrophy. FASEB Journal, 2018, 32, .	0.5	0
18	Longâ€Chain Acylâ€CoA synthetase 6 deficiency reduces the omegaâ€3 fatty acid DHA in the brain and disrupts motor control. FASEB Journal, 2018, 32, 539.21.	0.5	1

#	Article	IF	Citations
19	Inflammatory stimuli induce acyl-CoA thioesterase 7 and remodeling of phospholipids containing unsaturated long (â‰¥C20)-acyl chains in macrophages. Journal of Lipid Research, 2017, 58, 1174-1185.	4.2	21
20	Loss of cardiac carnitine palmitoyltransferase 2 results in rapamycin-resistant, acetylation-independent hypertrophy. Journal of Biological Chemistry, 2017, 292, 18443-18456.	3.4	46
21	High-Frequency 4-Dimensional Ultrasound (4DUS): A Reliable Method for Assessing Murine Cardiac Function. Tomography, 2017, 3, 180-187.	1.8	22
22	Metabolic and Tissue-Specific Regulation of Acyl-CoA Metabolism. PLoS ONE, 2015, 10, e0116587.	2.5	80
23	Cardiac Energy Dependence on Glucose Increases Metabolites Related to Glutathione and Activates Metabolic Genes Controlled by Mechanistic Target of Rapamycin. Journal of the American Heart Association, 2015, 4, .	3.7	27
24	Wnt-Lrp5 Signaling Regulates Fatty Acid Metabolism in the Osteoblast. Molecular and Cellular Biology, 2015, 35, 1979-1991.	2.3	115
25	Adipose Fatty Acid Oxidation Is Required for Thermogenesis and Potentiates Oxidative Stress-Induced Inflammation. Cell Reports, 2015, 10, 266-279.	6.4	169
26	Loss of longâ€chain acylâ€CoA synthetase isoform 1 impairs cardiac autophagy and mitochondrial structure through mechanistic target of rapamycin complex 1 activation. FASEB Journal, 2015, 29, 4641-4653.	0.5	30
27	Deficiency of cardiac Acyl-CoA synthetase-1 induces diastolic dysfunction, but pathologic hypertrophy is reversed by rapamycin. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 880-887.	2.4	28
28	Acyl Coenzyme A Thioesterase 7 Regulates Neuronal Fatty Acid Metabolism To Prevent Neurotoxicity. Molecular and Cellular Biology, 2013, 33, 1869-1882.	2.3	69
29	Mice Deficient in Glycerol-3-Phosphate Acyltransferase-1 Have a Reduced Susceptibility to Liver Cancer. Toxicologic Pathology, 2012, 40, 513-521.	1.8	20
30	A Genetically Encoded Metabolite Sensor for Malonyl-CoA. Chemistry and Biology, 2012, 19, 1333-1339.	6.0	51
31	Peroxisomal acyl-CoA synthetases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1411-1420.	3.8	109
32	Mouse Cardiac Acyl Coenzyme A Synthetase 1 Deficiency Impairs Fatty Acid Oxidation and Induces Cardiac Hypertrophy. Molecular and Cellular Biology, 2011, 31, 1252-1262.	2.3	156
33	Acyl-coenzyme A synthetases in metabolic control. Current Opinion in Lipidology, 2010, 21, 212-217.	2.7	182
34	Adipose Acyl-CoA Synthetase-1 Directs Fatty Acids toward Î²-Oxidation and Is Required for Cold Thermogenesis. Cell Metabolism, 2010, 12, 53-64.	16.2	277
35	Liver-specific Loss of Long Chain Acyl-CoA Synthetase-1 Decreases Triacylglycerol Synthesis and Î²-Oxidation and Alters Phospholipid Fatty Acid Composition. Journal of Biological Chemistry, 2009, 284, 27816-27826.	3.4	188