E Douglas Lewandowski

List of Publications by Year
in descending order

27 papers	2,002 citations	394421 19 h-index	580821 25 g-index
28 all docs	28 docs citations	28 times ranked	2561 citing authors

#	Article	IF	Citations
1	The Failing Heart Relies on Ketone Bodies as a Fuel. Circulation, 2016, 133, 698-705.	1.6	506
2	The failing heart utilizes 3-hydroxybutyrate as a metabolic stress defense. JCI Insight, 2019, 4, .	5.0	218
3	Recruitment of Compensatory Pathways to Sustain Oxidative Flux With Reduced Carnitine Palmitoyltransferase I Activity Characterizes Inefficiency in Energy Metabolism in Hypertrophied Hearts. Circulation, 2007, 115, 2033-2041.	1.6	172
4	Substrateâ€“Enzyme Competition Attenuates Upregulated Anaplerotic Flux Through Malic Enzyme in Hypertrophied Rat Heart and Restores Triacylglyceride Content. Circulation Research, 2009, 104, 805-812.	4.5	143
5	Pyruvate Dehydrogenase Influences Postischemic Heart Function. Circulation, 1995, 91, 2071-2079.	1.6	117
6	The absence of endogenous lipid oxidation in early stage heart failure exposes limits in lipid storage and turnover. Journal of Molecular and Cellular Cardiology, 2008, 44, 315-322.	1.9	111
7	Dietary Fat Supply to Failing Hearts Determines Dynamic Lipid Signaling for Nuclear Receptor Activation and Oxidation of Stored Triglyceride. Circulation, 2014, 130, 1790-1799.	1.6	93
8	Mitochondrial pyruvate carriers are required for myocardial stress adaptation. Nature Metabolism, 2020, 2, 1248-1264.	11.9	87
9	Matrix Revisited. Circulation Research, 2014, 114, 717-729.	4.5	85
10	Enhancing natriuretic peptide signaling in adipose tissue, but not in muscle, protects against diet-induced obesity and insulin resistance. Science Signaling, 2017, 10, .	3.6	82
11	Preservation of Acyl Coenzyme A Attenuates Pathological and Metabolic Cardiac Remodeling Through Selective Lipid Trafficking. Circulation, 2019, 139, 2765-2777.	1.6	57
12	Short-Chain Fatty Acids Outpace Ketone Oxidation in the Failing Heart. Circulation, 2021, 143, 1797-1808.	1.6	53
13	Multiplet structure of13C NMR signal from glutamate and direct detection of tricarboxylic acid (TCA) cycle intermediates. Magnetic Resonance in Medicine, 1996, 35, 149-154.	3.0	43
14	Mitochondrial Preference for Short Chain Fatty Acid Oxidation During Coronary Artery Constriction. Circulation, 2002, 105, 367-372.	1.6	38
15	Enhanced Redox State and Efficiency of Glucose Oxidation With miR Based Suppression of Maladaptive NADPH-Dependent Malic Enzyme 1 Expression in Hypertrophied Hearts. Circulation Research, 2018, 122, 836-845.	4.5	33
16	Acute Liver Carnitine Palmitoyltransferase I Overexpression Recapitulates Reduced Palmitate Oxidation of Cardiac Hypertrophy. Circulation Research, 2013, 112, 57-65.	4.5	27
17	Acyl CoA synthetase-1 links facilitated long chain fatty acid uptake to intracellular metabolic trafficking differently in hearts of male versus female mice. Journal of Molecular and Cellular Cardiology, 2016, 94, 1-9.	1.9	26
18	Impaired cytosolic NADH shuttling and elevated UCP3 contribute to inefficient citric acid cycle flux support of postischemic cardiac work in diabetic hearts. Journal of Molecular and Cellular Cardiology, 2015, 79, 13-20.	1.9	24

#	Article	IF	Citations
19	Triacylglycerol turnover in the failing heart. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 1492-1499.	2.4	21
20	Metabolic Efficiency Promotes Protection From Pressure Overload in Hearts Expressing Slow Skeletal Troponin I. Circulation: Heart Failure, 2015, 8, 119-127.	3.9	18
21	Multiphasic Regulation of Systemic and Peripheral Organ Metabolic Responses to Cardiac Hypertrophy. Circulation: Heart Failure, 2017, 10, .	3.9	16
22	Mitochondrial transporter responsiveness and metabolic flux homeostasis in postischemic hearts. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H866-H873.	3.2	12
23	Characterization of the Cardiac Overexpression of HSPB2 Reveals Mitochondrial and Myogenic Roles Supported by a Cardiac HspB2 Interactome. PLoS ONE, 2015, 10, e0133994.	2.5	11
24	Short-Chain Carbon Sources. JACC Basic To Translational Science, 2022, 7, 730-742.	4.1	8
25	Is the Therapeutic Window for Mitochondrial ROS Half-Open or Half-Closed?. Circulation Research, 2014, 115, 329-331.	4.5	0
26	â€œSensing Dangerâ€• Circulation, 2020, 142, 2259-2261.	1.6	0
27	Dissociation between Changes in Metabolism and Blood Flow During Coronary Artery Stenosis. FASEB Journal, 2011, 25, 1023.8.	0.5	0