Aaron K Olson

List of Publications by Year
in descending order

31 papers	1,580 citations	471371 17 h-index	477173 29 g-index
34 all docs	34 docs citations	34 times ranked	2042 citing authors

#	Article	IF	Citations
1	Diagnosis and management of Duchenne muscular dystrophy, part 2: respiratory, cardiac, bone health, and orthopaedic management. Lancet Neurology, The, 2018, 17, 347-361.	4.9	668
2	AMPK activation counteracts cardiac hypertrophy by reducing O-GlcNAcylation. Nature Communications, 2018, 9, 374.	5.8	179
3	Triiodothyronine Supplementation in Infants and Children Undergoing Cardiopulmonary Bypass (TRICC). Circulation, 2010, 122, S224-33.	1.6	102
4	Cardiac Management of the Patient With Duchenne Muscular Dystrophy. Pediatrics, 2018, 142, S72-S81.	1.0	77
5	First characterization of glucose flux through the hexosamine biosynthesis pathway (HBP) in ex vivo mouse heart. Journal of Biological Chemistry, 2020, 295, 2018-2033.	1.6	62
6	Etanercept With IVIg for Acute Kawasaki Disease: A Randomized Controlled Trial. Pediatrics, 2019, 143, .	1.0	55
7	PPARÎ± augments heart function and cardiac fatty acid oxidation in early experimental polymicrobial sepsis. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H239-H249.	1.5	42
8	C-Myc induced compensated cardiac hypertrophy increases free fatty acid utilization for the citric acid cycle. Journal of Molecular and Cellular Cardiology, 2013, 55, 156-164.	0.9	38
9	Oâ€GlcNAc Transferase Promotes Compensated Cardiac Function and Protein Kinase A Oâ€GlcNAcylation During Early and Established Pathological Hypertrophy From Pressure Overload. Journal of the American Heart Association, 2019, 8, e011260.	1.6	32
10	Superior cardiac function via anaplerotic pyruvate in the immature swine heart after cardiopulmonary bypass and reperfusion. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H2315-H2320.	1.5	28
11	Triiodothyronine increases myocardial function and pyruvate entry into the citric acid cycle after reperfusion in a model of infant cardiopulmonary bypass. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H1086-H1093.	1.5	27
12	Health-Related Quality of Life in Children and Young Adults with Marfan Syndrome. Journal of Pediatrics, 2019, 204, 250-255.e1.	0.9	26
13	Myocardial oxidative metabolism and protein synthesis during mechanical circulatory support by extracorporeal membrane oxygenation. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H406-H414.	1.5	25
14	Extracorporeal membrane oxygenation promotes long chain fatty acid oxidation in the immature swine heart in vivo. Journal of Molecular and Cellular Cardiology, 2013, 62, 144-152.	0.9	24
15	c-Myc Alters Substrate Utilization and O-GlcNAc Protein Posttranslational Modifications without Altering Cardiac Function during Early Aortic Constriction. PLoS ONE, 2015, 10, e0135262.	1.1	23
16	Effects of continuous triiodothyronine infusion on the tricarboxylic acid cycle in the normal immature swine heart under extracorporeal membrane oxygenation in vivo. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1164-H1170.	1.5	22
17	Myocardial Reloading After Extracorporeal Membrane Oxygenation Alters Substrate Metabolism While Promoting Protein Synthesis. Journal of the American Heart Association, 2013, 2, e000106.	1.6	18
18	Differential effects of octanoate and heptanoate on myocardial metabolism during extracorporeal membrane oxygenation in an infant swine model. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1157-H1165.	1.5	16

#	Article	IF	Citations
19	Thyroid Hormone Reverses Aging-Induced Myocardial Fatty Acid Oxidation Defects and Improves the Response to Acutely Increased Afterload. PLoS ONE, 2013, 8, e65532.	1.1	15
20	Cardioselective dominant-negative thyroid hormone receptor (Î”337T) modulates myocardial metabolism and contractile efficiency. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E420-E427.	1.8	13
21	Pyruvate modifies metabolic flux and nutrient sensing during extracorporeal membrane oxygenation in an immature swine model. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H137-H146.	1.5	13
22	Molecular characterization and investigation of the role of genetic variation in phenotypic variability and response to treatment in a large pediatric Marfan syndrome cohort. Genetics in Medicine, 2022, 24, 1045-1053.	1.1	13
23	Frequency of Ventricular Arrhythmias and Other Rhythm Abnormalities in Children and Young Adults With the Marfan Syndrome. American Journal of Cardiology, 2018, 122, 1429-1436.	0.7	12
24	Protein <i>O</i>â€GlcNAcylation levels are regulated independently of dietary intake in a tissue and timeâ€specific manner during rat postnatal development. Acta Physiologica, 2021, 231, e13566.	1.8	11
25	Temporal regulation of protein <i>O</i> â€GlcNAc levels during pressureâ€overload cardiac hypertrophy. Physiological Reports, 2021, 9, e14965.	0.7	11
26	Variants in ADRB1 and CYP2C9: Association with Response to Atenolol and Losartan in Marfan Syndrome. Journal of Pediatrics, 2020, 222, 213-220.e5.	0.9	8
27	Brain capillary obstruction during neurotoxicity in a mouse model of anti-CD19 chimeric antigen receptor T-cell therapy. Brain Communications, 2022, 4, fcab309.	1.5	8
28	Selective cerebral perfusion prevents abnormalities in glutamate cycling and neuronal apoptosis in a model of infant deep hypothermic circulatory arrest and reperfusion. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1992-2004.	2.4	6
29	Triiodothyronine Supplementation in Infants Undergoing Cardiopulmonary Bypass: A Randomized Controlled Trial. Seminars in Thoracic and Cardiovascular Surgery, 2023, 35, 105-112.	0.4	5
30	Mechanical Circulatory Unloading Promotes Proteins Synthesis and Maintains Leucine Oxidation. FASEB Journal, 2012, 26, 1127.1.	0.2	0
31	Abstract 13917: <i>O</i> -GlcNAc Levels Are Regulated in a Time and Tissue Specific Manner Independently of Dietary Intake. Circulation, 2020, 142, .	1.6	0