

Aaron K Olson

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Triiodothyronine Supplementation in Infants Undergoing Cardiopulmonary Bypass: A Randomized Controlled Trial. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2023, 35, 105-112. | 0.4 | 5 |
| 2 | Molecular characterization and investigation of the role of genetic variation in phenotypic variability and response to treatment in a large pediatric Marfan syndrome cohort. <i>Genetics in Medicine</i> , 2022, 24, 1045-1053. | 1.1 | 13 |
| 3 | Brain capillary obstruction during neurotoxicity in a mouse model of anti-CD19 chimeric antigen receptor T-cell therapy. <i>Brain Communications</i> , 2022, 4, fcab309. | 1.5 | 8 |
| 4 | Protein <i>O</i> -GlcNAcylation levels are regulated independently of dietary intake in a tissue and time-specific manner during rat postnatal development. <i>Acta Physiologica</i> , 2021, 231, e13566. | 1.8 | 11 |
| 5 | Temporal regulation of protein <i>O</i> -GlcNAc levels during pressure-overload cardiac hypertrophy. <i>Physiological Reports</i> , 2021, 9, e14965. | 0.7 | 11 |
| 6 | Variants in ADRB1 and CYP2C9: Association with Response to Atenolol and Losartan in Marfan Syndrome. <i>Journal of Pediatrics</i> , 2020, 222, 213-220.e5. | 0.9 | 8 |
| 7 | First characterization of glucose flux through the hexosamine biosynthesis pathway (HBP) in ex vivo mouse heart. <i>Journal of Biological Chemistry</i> , 2020, 295, 2018-2033. | 1.6 | 62 |
| 8 | Abstract 13917: <i>O</i> -GlcNAc Levels Are Regulated in a Time and Tissue Specific Manner Independently of Dietary Intake. <i>Circulation</i> , 2020, 142, . | 1.6 | 0 |
| 9 | <i>O</i> -GlcNAc Transferase Promotes Compensated Cardiac Function and Protein Kinase A <i>O</i> -GlcNAcylation During Early and Established Pathological Hypertrophy From Pressure Overload. <i>Journal of the American Heart Association</i> , 2019, 8, e011260. | 1.6 | 32 |
| 10 | Etanercept With IVIg for Acute Kawasaki Disease: A Randomized Controlled Trial. <i>Pediatrics</i> , 2019, 143, . | 1.0 | 55 |
| 11 | Health-Related Quality of Life in Children and Young Adults with Marfan Syndrome. <i>Journal of Pediatrics</i> , 2019, 204, 250-255.e1. | 0.9 | 26 |
| 12 | Diagnosis and management of Duchenne muscular dystrophy, part 2: respiratory, cardiac, bone health, and orthopaedic management. <i>Lancet Neurology</i> , The, 2018, 17, 347-361. | 4.9 | 668 |
| 13 | AMPK activation counteracts cardiac hypertrophy by reducing <i>O</i> -GlcNAcylation. <i>Nature Communications</i> , 2018, 9, 374. | 5.8 | 179 |
| 14 | Cardiac Management of the Patient With Duchenne Muscular Dystrophy. <i>Pediatrics</i> , 2018, 142, S72-S81. | 1.0 | 77 |
| 15 | Frequency of Ventricular Arrhythmias and Other Rhythm Abnormalities in Children and Young Adults With the Marfan Syndrome. <i>American Journal of Cardiology</i> , 2018, 122, 1429-1436. | 0.7 | 12 |
| 16 | PPAR δ augments heart function and cardiac fatty acid oxidation in early experimental polymicrobial sepsis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H239-H249. | 1.5 | 42 |
| 17 | Selective cerebral perfusion prevents abnormalities in glutamate cycling and neuronal apoptosis in a model of infant deep hypothermic circulatory arrest and reperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1992-2004. | 2.4 | 6 |
| 18 | c-Myc Alters Substrate Utilization and <i>O</i> -GlcNAc Protein Posttranslational Modifications without Altering Cardiac Function during Early Aortic Constriction. <i>PLoS ONE</i> , 2015, 10, e0135262. | 1.1 | 23 |

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|----|--|-----|-----------|
| 19 | Differential effects of octanoate and heptanoate on myocardial metabolism during extracorporeal membrane oxygenation in an infant swine model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1157-H1165. | 1.5 | 16 |
| 20 | Pyruvate modifies metabolic flux and nutrient sensing during extracorporeal membrane oxygenation in an immature swine model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H137-H146. | 1.5 | 13 |
| 21 | Effects of continuous triiodothyronine infusion on the tricarboxylic acid cycle in the normal immature swine heart under extracorporeal membrane oxygenation in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H1164-H1170. | 1.5 | 22 |
| 22 | Extracorporeal membrane oxygenation promotes long chain fatty acid oxidation in the immature swine heart in vivo. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 62, 144-152. | 0.9 | 24 |
| 23 | C-Myc induced compensated cardiac hypertrophy increases free fatty acid utilization for the citric acid cycle. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 55, 156-164. | 0.9 | 38 |
| 24 | Myocardial oxidative metabolism and protein synthesis during mechanical circulatory support by extracorporeal membrane oxygenation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H406-H414. | 1.5 | 25 |
| 25 | Myocardial Reloading After Extracorporeal Membrane Oxygenation Alters Substrate Metabolism While Promoting Protein Synthesis. <i>Journal of the American Heart Association</i> , 2013, 2, e000106. | 1.6 | 18 |
| 26 | Thyroid Hormone Reverses Aging-Induced Myocardial Fatty Acid Oxidation Defects and Improves the Response to Acutely Increased Afterload. <i>PLoS ONE</i> , 2013, 8, e65532. | 1.1 | 15 |
| 27 | Triiodothyronine increases myocardial function and pyruvate entry into the citric acid cycle after reperfusion in a model of infant cardiopulmonary bypass. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1086-H1093. | 1.5 | 27 |
| 28 | Mechanical Circulatory Unloading Promotes Proteins Synthesis and Maintains Leucine Oxidation. <i>FASEB Journal</i> , 2012, 26, 1127.1. | 0.2 | 0 |
| 29 | Triiodothyronine Supplementation in Infants and Children Undergoing Cardiopulmonary Bypass (TRICC). <i>Circulation</i> , 2010, 122, S224-33. | 1.6 | 102 |
| 30 | Cardioselective dominant-negative thyroid hormone receptor ($\text{I}^{337\text{T}}$) modulates myocardial metabolism and contractile efficiency. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 295, E420-E427. | 1.8 | 13 |
| 31 | Superior cardiac function via anaplerotic pyruvate in the immature swine heart after cardiopulmonary bypass and reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H2315-H2320. | 1.5 | 28 |