

Michael Karlsson

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

588
citations

623734

14
h-index

610901

24
g-index

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all docs

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docs citations

25
times ranked

973
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Diffusion Tensor Imaging and Fluid Based Biomarkers in a Large Animal Trial of Cyclosporine in Focal Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 1870-1878.	3.4	9
2	Predictors of outcome in children with disorders of mitochondrial metabolism in the pediatric intensive care unit. <i>Pediatric Research</i> , 2021, 90, 1221-1227.	2.3	2
3	Haemodynamic-directed cardiopulmonary resuscitation promotes mitochondrial fusion and preservation of mitochondrial mass after successful resuscitation in a pediatric porcine model. <i>Resuscitation Plus</i> , 2021, 6, 100124.	1.7	4
4	Epinephrine's effects on cerebrovascular and systemic hemodynamics during cardiopulmonary resuscitation. <i>Critical Care</i> , 2020, 24, 583.	5.8	33
5	Axonal transport dysfunction of mitochondria in traumatic brain injury: A novel therapeutic target. <i>Experimental Neurology</i> , 2020, 329, 113311.	4.1	8
6	Real-time neurochemical measurement of dynamic metabolic events during cardiac arrest and resuscitation in a porcine model. <i>Analyst</i> , 2020, 145, 1894-1902.	3.5	9
7	Mitochondrial respiratory chain complex I dysfunction induced by N-methyl carbamate ex vivo can be alleviated with a cell-permeable succinate prodrug. <i>Toxicology in Vitro</i> , 2020, 65, 104794.	2.4	11
8	Oxygen Exposure During Cardiopulmonary Resuscitation Is Associated With Cerebral Oxidative Injury in a Randomized, Blinded, Controlled, Preclinical Trial. <i>Journal of the American Heart Association</i> , 2020, 9, e015032.	3.7	18
9	Neuroprotective Effects of Cyclosporine in a Porcine Pre-Clinical Trial of Focal Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 14-24.	3.4	29
10	Copenhagen Head Injury Cyclosporin Study: A Phase IIa Safety, Pharmacokinetics, and Biomarker Study of Cyclosporin in Severe Traumatic Brain Injury Patients. <i>Journal of Neurotrauma</i> , 2019, 36, 3253-3263.	3.4	25
11	Hemodynamic-Directed Cardiopulmonary Resuscitation Improves Neurologic Outcomes and Mitochondrial Function in the Heart and Brain. <i>Critical Care Medicine</i> , 2019, 47, e241-e249.	0.9	52
12	Cerebral mitochondrial dysfunction associated with deep hypothermic circulatory arrest in neonatal swine. <i>European Journal of Cardio-thoracic Surgery</i> , 2018, 54, 162-168.	1.4	28
13	Pulmonary Vasodilator Therapy in Shock-associated Cardiac Arrest. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 905-912.	5.6	22
14	An Update on Cardiopulmonary Resuscitation in Children. <i>Current Anesthesiology Reports</i> , 2017, 7, 191-200.	2.0	0
15	Hospitalizations for mitochondrial disease across the lifespan in the U.S.. <i>Molecular Genetics and Metabolism</i> , 2017, 121, 119-126.	1.1	16
16	DIVERSE AND TISSUE-SPECIFIC MITOCHONDRIAL RESPIRATORY RESPONSE IN A MOUSE MODEL OF SEPSIS-INDUCED MULTIPLE ORGAN FAILURE. <i>Shock</i> , 2016, 45, 404-410.	2.1	20
17	Increased platelet mitochondrial respiration after cardiac arrest and resuscitation as a potential peripheral biosignature of cerebral bioenergetic dysfunction. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 269-279.	2.3	12
18	Changes in energy metabolism due to acute rotenone-induced mitochondrial complex I dysfunction in an in vivo large animal model. <i>Mitochondrion</i> , 2016, 31, 56-62.	3.4	15

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19	Cell-permeable succinate prodrugs bypass mitochondrial complex I deficiency. <i>Nature Communications</i> , 2016, 7, 12317.	12.8	106
20	Mitochondrial response in a toddler-aged swine model following diffuse non-impact traumatic brain injury. <i>Mitochondrion</i> , 2016, 26, 19-25.	3.4	26
21	Metabolomic Analyses of Brain Tissue in Sepsis Induced by Cecal Ligation Reveal Specific Redox Alterations—Protective Effects of the Oxygen Radical Scavenger Edaravone. <i>Shock</i> , 2015, 44, 578-584.	2.1	13
22	Persistently Altered Brain Mitochondrial Bioenergetics After Apparently Successful Resuscitation From Cardiac Arrest. <i>Journal of the American Heart Association</i> , 2015, 4, e002232.	3.7	33
23	Mitochondrial bioenergetic alterations after focal traumatic brain injury in the immature brain. <i>Experimental Neurology</i> , 2015, 271, 136-144.	4.1	48
24	Peripheral Blood Mitochondrial DNA as a Biomarker of Cerebral Mitochondrial Dysfunction following Traumatic Brain Injury in a Porcine Model. <i>PLoS ONE</i> , 2015, 10, e0130927.	2.5	38
25	Brain mitochondrial function in a murine model of cerebral malaria and the therapeutic effects of rhEPO. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 151-155.	2.8	11