Michael Karlsson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5863881/publications.pdf

Version: 2024-02-01

25 papers	588 citations	623734 14 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	973 citing authors

#	Article	IF	Citations
1	Cell-permeable succinate prodrugs bypass mitochondrial complex I deficiency. Nature Communications, 2016, 7, 12317.	12.8	106
2	Hemodynamic-Directed Cardiopulmonary Resuscitation Improves Neurologic Outcomes and Mitochondrial Function in the Heart and Brain. Critical Care Medicine, 2019, 47, e241-e249.	0.9	52
3	Mitochondrial bioenergetic alterations after focal traumatic brain injury in the immature brain. Experimental Neurology, 2015, 271, 136-144.	4.1	48
4	Peripheral Blood Mitochondrial DNA as a Biomarker of Cerebral Mitochondrial Dysfunction following Traumatic Brain Injury in a Porcine Model. PLoS ONE, 2015, 10, e0130927.	2.5	38
5	Persistently Altered Brain Mitochondrial Bioenergetics After Apparently Successful Resuscitation From Cardiac Arrest. Journal of the American Heart Association, 2015, 4, e002232.	3.7	33
6	Epinephrineâ€™s effects on cerebrovascular and systemic hemodynamics during cardiopulmonary resuscitation. Critical Care, 2020, 24, 583.	5.8	33
7	Neuroprotective Effects of Cyclosporine in a Porcine Pre-Clinical Trial of Focal Traumatic Brain Injury. Journal of Neurotrauma, 2019, 36, 14-24.	3.4	29
8	Cerebral mitochondrial dysfunction associated with deep hypothermic circulatory arrest in neonatal swineâ€. European Journal of Cardio-thoracic Surgery, 2018, 54, 162-168.	1.4	28
9	Mitochondrial response in a toddler-aged swine model following diffuse non-impact traumatic brain injury. Mitochondrion, 2016, 26, 19-25.	3.4	26
10	Copenhagen Head Injury Ciclosporin Study: A Phase IIa Safety, Pharmacokinetics, and Biomarker Study of Ciclosporin in Severe Traumatic Brain Injury Patients. Journal of Neurotrauma, 2019, 36, 3253-3263.	3.4	25
11	Pulmonary Vasodilator Therapy in Shock-associated Cardiac Arrest. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 905-912.	5.6	22
12	DIVERSE AND TISSUE-SPECIFIC MITOCHONDRIAL RESPIRATORY RESPONSE IN A MOUSE MODEL OF SEPSIS-INDUCED MULTIPLE ORGAN FAILURE. Shock, 2016, 45, 404-410.	2.1	20
13	Oxygen Exposure During Cardiopulmonary Resuscitation Is Associated With Cerebral Oxidative Injury in a Randomized, Blinded, Controlled, Preclinical Trial. Journal of the American Heart Association, 2020, 9, e015032.	3.7	18
14	Hospitalizations for mitochondrial disease across the lifespan in the U.S.. Molecular Genetics and Metabolism, 2017, 121, 119-126.	1.1	16
15	Changes in energy metabolism due to acute rotenone-induced mitochondrial complex I dysfunction â€“ An in vivo large animal model. Mitochondrion, 2016, 31, 56-62.	3.4	15
16	Metabolomic Analyses of Brain Tissue in Sepsis Induced by Cecal Ligation Reveal Specific Redox Alterationsâ€”Protective Effects of the Oxygen Radical Scavenger Edaravone. Shock, 2015, 44, 578-584.	2.1	13
17	Increased platelet mitochondrial respiration after cardiac arrest and resuscitation as a potential peripheral biosignature of cerebral bioenergetic dysfunction. Journal of Bioenergetics and Biomembranes, 2016, 48, 269-279.	2.3	12
18	Brain mitochondrial function in a murine model of cerebral malaria and the therapeutic effects of rhEPO. International Journal of Biochemistry and Cell Biology, 2013, 45, 151-155.	2.8	11

#	Article	IF	Citations
19	Mitochondrial respiratory chain complex I dysfunction induced by N-methyl carbamate ex vivo can be alleviated with a cell-permeable succinate prodrug. Toxicology in Vitro, 2020, 65, 104794.	2.4	11
20	Real-time neurochemical measurement of dynamic metabolic events during cardiac arrest and resuscitation in a porcine model. Analyst, The, 2020, 145, 1894-1902.	3.5	9
21	Evaluation of Diffusion Tensor Imaging and Fluid Based Biomarkers in a Large Animal Trial of Cyclosporine in Focal Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 1870-1878.	3.4	9
22	Axonal transport dysfunction of mitochondria in traumatic brain injury: A novel therapeutic target. Experimental Neurology, 2020, 329, 113311.	4.1	8
23	Haemodynamic-directed cardiopulmonary resuscitation promotes mitochondrial fusion and preservation of mitochondrial mass after successful resuscitation in a pediatric porcine model. Resuscitation Plus, 2021, 6, 100124.	1.7	4
24	Predictors of outcome in children with disorders of mitochondrial metabolism in the pediatric intensive care unit. Pediatric Research, 2021, 90, 1221-1227.	2.3	2
25	An Update on Cardiopulmonary Resuscitation in Children. Current Anesthesiology Reports, 2017, 7, 191-200.	2.0	0