Dunja Aksentijevic

List of Publications by Year
in descending order

41 papers	3,160 citations	471509 17 h-index	395702 33 g-index
41 all docs	41 docs citations	41 times ranked	5609 citing authors

#	Article	IF	Citations
1	Ischaemic accumulation of succinate controls reperfusion injury through mitochondrial ROS. Nature, 2014, 515, 431-435.	27.8	1,989
2	Fumarate Is Cardioprotective via Activation of the Nrf2 Antioxidant Pathway. Cell Metabolism, 2012, 15, 361-371.	16.2	231
3	Selective superoxide generation within mitochondria by the targeted redox cycler MitoParaquat. Free Radical Biology and Medicine, 2015, 89, 883-894.	2.9	111
4	Living Without Creatine. Circulation Research, 2013, 112, 945-955.	4.5	104
5	Moderate elevation of intracellular creatine by targeting the creatine transporter protects mice from acute myocardial infarction. Cardiovascular Research, 2012, 96, 466-475.	3.8	78
6	Structural basis for a complex I mutation that blocks pathological ROS production. Nature Communications, 2021, 12, 707.	12.8	71
7	Mechanism of succinate efflux upon reperfusion of the ischaemic heart. Cardiovascular Research, 2021, 117, 1188-1201.	3.8	59
8	On the pivotal role of PPARa in adaptation of the heart to hypoxia and why fat in the diet increases hypoxic injury. FASEB Journal, 2016, 30, 2684-2697.	0.5	54
9	Intracellular sodium elevation reprograms cardiac metabolism. Nature Communications, 2020, 11, 4337.	12.8	44
10	Increased oxidative metabolism following hypoxia in the type 2 diabetic heart, despite normal hypoxia signalling and metabolic adaptation. Journal of Physiology, 2016, 594, 307-320.	2.9	40
11	Impaired cardiac contractile function in arginine:glycine amidinotransferase knockout mice devoid of creatine is rescued by homoarginine but not creatine. Cardiovascular Research, 2018, 114, 417-430.	3.8	40
12	Unchanged mitochondrial organization and compartmentation of high-energy phosphates in creatine-deficient GAMT^{âˆ’/âˆ’}mouse hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H506-H520.	3.2	30
13	Highâ€energy phosphotransfer in the failing mouse heart: role of adenylate kinase and glycolytic enzymes. European Journal of Heart Failure, 2010, 12, 1282-1289.	7.1	29
14	Chronic creatine kinase deficiency eventually leads to congestive heart failure, but severity is dependent on genetic background, gender and age. Basic Research in Cardiology, 2012, 107, 276.	5.9	24
15	Multiple quantum filtered 23Na NMR in the Langendorff perfused mouse heart: Ratio of triple/double quantum filtered signals correlates with [Na]i. Journal of Molecular and Cellular Cardiology, 2015, 86, 95-101.	1.9	22
16	Cardiac metabolomic profile of the naked mole-ratâ€"glycogen to the rescue. Biology Letters, 2019, 15, 20190710.	2.3	22
17	Preservation of microvascular barrier function requires CD31 receptor-induced metabolic reprogramming. Nature Communications, 2020, 11, 3595.	12.8	22
18	Cardiac metabolic remodelling in chronic kidney disease. Nature Reviews Nephrology, 2022, 18, 524-537.	9.6	21

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19	Immunometabolic cross-talk in the inflamed heart. Cell Stress, 2019, 3, 240-266.	3.2	19
20	Cardiac dysfunction and peri-weaning mortality in malonyl-coenzyme A decarboxylase (MCD) knockout mice as a consequence of restricting substrate plasticity. Journal of Molecular and Cellular Cardiology, 2014, 75, 76-87.	1.9	18
21	Insulin resistance and altered glucose transporter 4 expression in experimental uremia. Kidney International, 2009, 75, 711-718.	5.2	16
22	Is rate-pressure product of any use in the isolated rat heart? Assessing cardiac â€˜effortâ€™ and oxygen consumption in the Langendorff-perfused heart. Experimental Physiology, 2016, 101, 282-294.	2.0	16
23	Is there a causal link between intracellular Na elevation and metabolic remodelling in cardiac hypertrophy?. Biochemical Society Transactions, 2018, 46, 817-827.	3.4	15
24	Myocardial Creatine Levels Do Not Influence Response to Acute Oxidative Stress in Isolated Perfused Heart. PLoS ONE, 2014, 9, e109021.	2.5	15
25	Age-Dependent Decline in Cardiac Function in Guanidinoacetate-N-Methyltransferase Knockout Mice. Frontiers in Physiology, 2020, 10, 1535.	2.8	11
26	Functional and metabolic adaptation in uraemic cardiomyopathy. Frontiers in Bioscience - Elite, 2010, E2, 1492-1501.	1.8	9
27	Ribose Supplementation Alone or with Elevated Creatine Does Not Preserve High Energy Nucleotides or Cardiac Function in the Failing Mouse Heart. PLoS ONE, 2013, 8, e66461.	2.5	9
28	Senescence and Type 2 Diabetic Cardiomyopathy: How Young Can You Die of Old Age?. Frontiers in Pharmacology, 2021, 12, 716517.	3.5	9
29	Impact of reduced uterine perfusion pressure model of preeclampsia on metabolism of placenta, maternal and fetal hearts. Scientific Reports, 2022, 12, 1111.	3.3	9
30	Nectar-feeding bats and birds show parallel molecular adaptations in sugar metabolism enzymes. Current Biology, 2021, 31, 4667-4674.e6.	3.9	7
31	With a grain of salt: Sodium elevation and metabolic remodelling in heart failure. Journal of Molecular and Cellular Cardiology, 2021, 161, 106-115.	1.9	7
32	Loss of voltage-gated hydrogen channel 1 expression reveals heterogeneous metabolic adaptation to intracellular acidification by T cells. JCI Insight, 2022, 7, .	5.0	7
33	Vascular KATP channels protect from cardiac dysfunction and preserve cardiac metabolism during endotoxemia. Journal of Molecular Medicine, 2020, 98, 1149-1160.	3.9	2
34	The impact of increasing calcium on myocardial function in experimental uraemia. Journal of Molecular and Cellular Cardiology, 2006, 40, 932.	1.9	0
35	Altered expression of myocardial [Ca2+] handling proteins in experimental uraemia. Journal of Molecular and Cellular Cardiology, 2007, 42, S139-S140.	1.9	0
36	The effect of increased [Ca2+] on myocardial function and energy provision in experimental uraemia. Journal of Molecular and Cellular Cardiology, 2007, 42, S67.	1.9	0

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37	Myocardial GLUT 4 expression in experimental uraemia. Journal of Molecular and Cellular Cardiology, 2007, 42, S55.	1.9	0
38	Unchanged Mitochondrial Organization and Compartmentation in Creatine Deficient GAMT-/- Mouse Heart. Biophysical Journal, 2013, 104, 314a-315a.	0.5	0
39	Cardiomyocytes from Creatine-Deficient Mice Lacking L-Arginine:Glycine Amidinotransferase (AGAT) Show No Changes in Mitochondrial Organization and Cellular Compartmentation. Biophysical Journal, 2013, 104, 303a.	0.5	0
40	Pathophysiologically-Relevant Levels of Endogenous Cardiotonic Steroids Inhibit the Cardiac Na/K ATPase and Activate ERK1/2 Hypertrophic Signaling In Vivo and In Vitro. Biophysical Journal, 2014, 106, 304a.	0.5	0
41	Metabolic Inflexibility of Malonyl CoA Decarboxylase (MCD) Knockout Mice Leads to Cardiac Remodelling and High Mortality During Peri-Weaning Period. Biophysical Journal, 2014, 106, 187a.	0.5	0