Vicky Ball

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5478162/publications.pdf

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22	722	840119 11	713013 21
papers	citations	h-index	g-index

23	23	23	1151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Acidic environments trigger intracellular H+-sensing FAK proteins to re-balance sarcolemmal acidâ€“base transporters and auto-regulate cardiomyocyte pH. Cardiovascular Research, 2022, 118, 2946-2959.	1.8	2
2	Assessing the effect of anesthetic gas mixtures on hyperpolarized ¹³<scp>C</scp> pyruvate metabolism in the rat brain. Magnetic Resonance in Medicine, 2022, 88, 1324-1332.	1.9	3
3	A 3D hybridâ€shot spiral sequence for hyperpolarized imaging. Magnetic Resonance in Medicine, 2021, 85, 790-801.	1.9	2
4	L-Carnitine Stimulates In Vivo Carbohydrate Metabolism in the Type 1 Diabetic Heart as Demonstrated by Hyperpolarized MRI. Metabolites, 2021, 11, 191.	1.3	6
5	Hyperpolarized magnetic resonance shows that the antiâ€ischemic drug meldonium leads to increased flux through pyruvate dehydrogenase in vivo resulting in improved postâ€ischemic function in the diabetic heart. NMR in Biomedicine, 2021, 34, e4471.	1.6	5
6	Metabolic Effects of Doxorubicin on the Rat Liver Assessed With Hyperpolarized MRI and Metabolomics. Frontiers in Physiology, 2021, 12, 782745.	1.3	12
7	Early detection of doxorubicin-induced cardiotoxicity in rats by its cardiac metabolic signature assessed with hyperpolarized MRI. Communications Biology, 2020, 3, 692.	2.0	25
8	Iron-Deficiency Anemia Results in Transcriptional and Metabolic Remodeling in the Heart Toward a Glycolytic Phenotype. Frontiers in Cardiovascular Medicine, 2020, 7, 616920.	1.1	14
9	Cmah-dystrophin deficient mdx mice display an accelerated cardiac phenotype that is improved following peptide-PMO exon skipping treatment. Human Molecular Genetics, 2019, 28, 396-406.	1.4	10
10	Assessing the effect of hypoxia on cardiac metabolism using hyperpolarized ¹³C magnetic resonance spectroscopy. NMR in Biomedicine, 2019, 32, e4099.	1.6	11
11	Cardiac Dysfunction and Metabolic Inflexibility in a Mouse Model of Diabetes Without Dyslipidemia. Diabetes, 2018, 67, 1057-1067.	0.3	28
12	Hyperpolarized [1,4-13C2]Fumarate Enables Magnetic Resonance-Based Imaging of Myocardial Necrosis. JACC: Cardiovascular Imaging, 2018, 11, 1594-1606.	2.3	46
13	P30â€…Effects of carnitine supplementation in the type 1 diabetic heart: an in vivo hyperpolarized mrs study. , 2018, , .		0
14	Assessing the optimal preparation strategy to minimize the variability of cardiac pyruvate dehydrogenase flux measurements with hyperpolarized MRS. NMR in Biomedicine, 2018, 31, e3992.	1.6	4
15	Robust and high resolution hyperpolarized metabolic imaging of the rat heart at 7 t with 3d spectralâ€spatial EPI. Magnetic Resonance in Medicine, 2016, 75, 1515-1524.	1.9	48
16	Simultaneous in vivo assessment of cardiac and hepatic metabolism in the diabetic rat using hyperpolarized MRS. NMR in Biomedicine, 2016, 29, 1759-1767.	1.6	22
17	An essential cell-autonomous role for hepcidin in cardiac iron homeostasis. ELife, 2016, 5, .	2.8	140
18	Chronic High-Fat Feeding Affects the Mesenchymal Cell Population Expanded From Adipose Tissue but Not Cardiac Atria. Stem Cells Translational Medicine, 2015, 4, 1403-1414.	1.6	8

#	Article	IF	Citations
19	In vivo assessment of cardiac metabolism and function in the abdominal aortic banding model of compensated cardiac hypertrophy. Cardiovascular Research, 2015, 106, 249-260.	1.8	40
20	Cardiac ferroportin regulates cellular iron homeostasis and is important for cardiac function. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3164-3169.	3.3	173
21	Increasing Pyruvate Dehydrogenase Flux as a Treatment for Diabetic Cardiomyopathy: A Combined 13C Hyperpolarized Magnetic Resonance and Echocardiography Study. Diabetes, 2015, 64, 2735-2743.	0.3	88
22	In vivo mouse cardiac hyperpolarized magnetic resonance spectroscopy. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 19.	1.6	34