

Vicky Ball

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

722
citations

840119

11
h-index

713013

21
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23
all docs

23
docs citations

23
times ranked

1151
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	An essential cell-autonomous role for hepcidin in cardiac iron homeostasis. ELife, 2016, 5, .	2.8	140
3	Increasing Pyruvate Dehydrogenase Flux as a Treatment for Diabetic Cardiomyopathy: A Combined ¹³ C Hyperpolarized Magnetic Resonance and Echocardiography Study. Diabetes, 2015, 64, 2735-2743.	0.3	88
4	Robust and high resolution hyperpolarized metabolic imaging of the rat heart at 7 t with 3d spectralâ€špatial EPI. Magnetic Resonance in Medicine, 2016, 75, 1515-1524.	1.9	48
5	Hyperpolarized [1,4- ¹³ C ₂]Fumarate Enables Magnetic Resonance-Based Imaging of Myocardial Necrosis. JACC: Cardiovascular Imaging, 2018, 11, 1594-1606.	2.3	46
6	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
7	In vivo mouse cardiac hyperpolarized magnetic resonance spectroscopy. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 19.	1.6	34
8	Cardiac Dysfunction and Metabolic Inflexibility in a Mouse Model of Diabetes Without Dyslipidemia. Diabetes, 2018, 67, 1057-1067.	0.3	28
9	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
10	Simultaneous <i>in vivo</i> assessment of cardiac and hepatic metabolism in the diabetic rat using hyperpolarized MRS. NMR in Biomedicine, 2016, 29, 1759-1767.	1.6	22
11	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
12	Metabolic Effects of Doxorubicin on the Rat Liver Assessed With Hyperpolarized MRI and Metabolomics. Frontiers in Physiology, 2021, 12, 782745.	1.3	12
13	Assessing the effect of hypoxia on cardiac metabolism using hyperpolarized ¹³C magnetic resonance spectroscopy. NMR in Biomedicine, 2019, 32, e4099.	1.6	11
14	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
15	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
16	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
17	Hyperpolarized magnetic resonance shows that the antiâ€šischemic drug meldonium leads to increased flux through pyruvate dehydrogenase in vivo resulting in improved postâ€šischemic function in the diabetic heart. NMR in Biomedicine, 2021, 34, e4471.	1.6	5
18	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

#	ARTICLE	IF	CITATIONS
19	Assessing the effect of anesthetic gas mixtures on hyperpolarized ¹³ C pyruvate metabolism in the rat brain. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1324-1332.	1.9	3
20	A 3D hybrid 2-shot spiral sequence for hyperpolarized imaging. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 790-801.	1.9	2
21	Acidic environments trigger intracellular H ⁺ -sensing FAK proteins to re-balance sarcolemmal acid-base transporters and auto-regulate cardiomyocyte pH. <i>Cardiovascular Research</i> , 2022, 118, 2946-2959.	1.8	2
22	P30...Effects of carnitine supplementation in the type 1 diabetic heart: an in vivo hyperpolarized mrs study. , 2018, , .		0