

Kerstin N Timm

List of Publications by Year in descending order

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docs citations

26
times ranked

775
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of AMPK Activation for Cardioprotection in Doxorubicin-Induced Cardiotoxicity. Cardiovascular Drugs and Therapy, 2020, 34, 255-269.	1.3	97
2	Fatty Acids Prevent Hypoxia-Inducible Factor-1 α Signaling Through Decreased Succinate in Diabetes. JACC Basic To Translational Science, 2018, 3, 485-498.	1.9	55
3	Hyperpolarized singlet lifetimes of pyruvate in human blood and in the mouse. NMR in Biomedicine, 2013, 26, 1696-1704.	1.6	54
4	Hyperpolarized [U- ² H, U- ¹³ C]Glucose reports on glycolytic and pentose phosphate pathway activity in EL4 tumors and glycolytic activity in yeast cells. Magnetic Resonance in Medicine, 2015, 74, 1543-1547.	1.9	38
5	Neutrophils incite and macrophages avert electrical storm after myocardial infarction. , 2022, 1, 649-664.		33
6	Assessing Oxidative Stress in Tumors by Measuring the Rate of Hyperpolarized [1- ¹³ C]Dehydroascorbic Acid Reduction Using ¹³ C Magnetic Resonance Spectroscopy. Journal of Biological Chemistry, 2017, 292, 1737-1748.	1.6	32
7	Detection of transgene expression using hyperpolarized ¹³ C urea and diffusion-weighted magnetic resonance spectroscopy. Magnetic Resonance in Medicine, 2015, 73, 1401-1406.	1.9	31
8	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
9	¹³ C magnetic resonance spectroscopic imaging of hyperpolarized [1- ¹³ C, U- ² H ₅] ethanol oxidation can be used to assess aldehyde dehydrogenase activity in vivo. Magnetic Resonance in Medicine, 2015, 73, 1733-1740.	1.9	21
10	Cancer Therapy-Induced Cardiotoxicity—A Metabolic Perspective on Pathogenesis, Diagnosis and Therapy. International Journal of Molecular Sciences, 2022, 23, 441.	1.8	18
11	Rescue of myocardial energetic dysfunction in diabetes through the correction of mitochondrial hyperacetylation by honokiol. JCI Insight, 2020, 5, .	2.3	17
12	Imaging Tumor Metabolism to Assess Disease Progression and Treatment Response. Clinical Cancer Research, 2016, 22, 5196-5203.	3.2	15
13	Cardiac applications of hyperpolarised magnetic resonance. Progress in Nuclear Magnetic Resonance Spectroscopy, 2018, 106-107, 66-87.	3.9	14
14	Metabolic Effects of Doxorubicin on the Rat Liver Assessed With Hyperpolarized MRI and Metabolomics. Frontiers in Physiology, 2021, 12, 782745.	1.3	12
15	Probing hepatic metabolism of [2- ¹³ C]dihydroxyacetone in vivo with ¹ H-decoupled hyperpolarized ¹³ C-MR. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 49-56.	1.1	10
16	¹³ C magnetic resonance spectroscopy measurements with hyperpolarized [1- ¹³ C] pyruvate can be used to detect the expression of transgenic pyruvate decarboxylase activity in vivo. Magnetic Resonance in Medicine, 2016, 76, 391-401.	1.9	8
17	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
18	Hyperpolarized magnetic resonance shows that the anti-ischemic drug meldonium leads to increased flux through pyruvate dehydrogenase in vivo resulting in improved post-ischemic function in the diabetic heart. NMR in Biomedicine, 2021, 34, e4471.	1.6	5

#	ARTICLE	IF	CITATIONS
19	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
20	Rapid, insensitive, dual-band and quasi-adiabatic saturation transfer with optimal control for complete quantification of myocardial ATP flux. Magnetic Resonance in Medicine, 2021, 85, 2978-2991.	1.9	4
21	Nicotinic acid receptor agonists impair myocardial contractility by energy starvation. FASEB Journal, 2020, 34, 14878-14891.	0.2	3
22	A 3D hybrid-shot spiral sequence for hyperpolarized imaging. Magnetic Resonance in Medicine, 2021, 85, 790-801.	1.9	2
23	P16...Hyperpolarized ¹³ C magnetic resonance spectroscopy identifies changes to myocardial metabolic fluxes in a rat model of doxorubicin-induced cardiotoxicity. , 2018, , .		0
24	P27...Depletion of cardiac succinate mediates impaired hypoxia-inducible factor 1 α signalling by long chain fatty acids in insulin resistance. , 2018, , .		0
25	P30...Effects of carnitine supplementation in the type 1 diabetic heart: an in vivo hyperpolarized mrs study. , 2018, , .		0
26	Novel Views on Heart Function from Dynamic Hyperpolarized NMR. , 2021, , 205-235.		0