

Kerstin N Timm

List of Publications by Year in descending order

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26
papers

504
citations

758635

12
h-index

713013

21
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docs citations

26
times ranked

775
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer Therapy-Induced Cardiotoxicity—A Metabolic Perspective on Pathogenesis, Diagnosis and Therapy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 441.	1.8	18
2	Neutrophils incite and macrophages avert electrical storm after myocardial infarction. , 2022, 1, 649-664.		33
3	A 3D hybrid—shot spiral sequence for hyperpolarized imaging. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 790-801.	1.9	2
4	Probing hepatic metabolism of [2-13C]dihydroxyacetone in vivo with 1H-decoupled hyperpolarized 13C-MR. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 49-56.	1.1	10
5	Novel Views on Heart Function from Dynamic Hyperpolarized NMR. , 2021, , 205-235.		0
6	Rapid, —sensitive, dual—band quasi—adiabatic saturation transfer with optimal control for complete quantification of myocardial ATP flux. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2978-2991.	1.9	4
7	L-Carnitine Stimulates In Vivo Carbohydrate Metabolism in the Type 1 Diabetic Heart as Demonstrated by Hyperpolarized MRI. <i>Metabolites</i> , 2021, 11, 191.	1.3	6
8	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. <i>NMR in Biomedicine</i> , 2021, 34, e4471.	1.6	5
9	Metabolic Effects of Doxorubicin on the Rat Liver Assessed With Hyperpolarized MRI and Metabolomics. <i>Frontiers in Physiology</i> , 2021, 12, 782745.	1.3	12
10	Early detection of doxorubicin-induced cardiotoxicity in rats by its cardiac metabolic signature assessed with hyperpolarized MRI. <i>Communications Biology</i> , 2020, 3, 692.	2.0	25
11	Nicotinic acid receptor agonists impair myocardial contractility by energy starvation. <i>FASEB Journal</i> , 2020, 34, 14878-14891.	0.2	3
12	The Role of AMPK Activation for Cardioprotection in Doxorubicin-Induced Cardiotoxicity. <i>Cardiovascular Drugs and Therapy</i> , 2020, 34, 255-269.	1.3	97
13	Rescue of myocardial energetic dysfunction in diabetes through the correction of mitochondrial hyperacetylation by honokiol. <i>JCI Insight</i> , 2020, 5, .	2.3	17
14	P16—Hyperpolarized 13c magnetic resonance spectroscopy identifies changes to myocardial metabolic fluxes in a rat model of doxorubicin-induced cardiotoxicity. , 2018, , .		0
15	P27—Depletion of cardiac succinate mediates impaired hypoxia-inducible factor 1—signalling by long chain fatty acids in insulin resistance. , 2018, , .		0
16	P30—Effects of carnitine supplementation in the type 1 diabetic heart: an in vivo hyperpolarized mrs study. , 2018, , .		0
17	Fatty Acids Prevent Hypoxia-Inducible Factor-1— Signaling Through Decreased Succinate in Diabetes. <i>JACC Basic To Translational Science</i> , 2018, 3, 485-498.	1.9	55
18	Cardiac applications of hyperpolarised magnetic resonance. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2018, 106-107, 66-87.	3.9	14

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19	Assessing the optimal preparation strategy to minimize the variability of cardiac pyruvate dehydrogenase flux measurements with hyperpolarized MRS. <i>NMR in Biomedicine</i> , 2018, 31, e3992.	1.6	4
20	Assessing Oxidative Stress in Tumors by Measuring the Rate of Hyperpolarized [1- ¹³ C]Dehydroascorbic Acid Reduction Using ¹³ C Magnetic Resonance Spectroscopy. <i>Journal of Biological Chemistry</i> , 2017, 292, 1737-1748.	1.6	32
21	Imaging Tumor Metabolism to Assess Disease Progression and Treatment Response. <i>Clinical Cancer Research</i> , 2016, 22, 5196-5203.	3.2	15
22	¹³ C magnetic resonance spectroscopy measurements with hyperpolarized [¹³ C] pyruvate can be used to detect the expression of transgenic pyruvate decarboxylase activity in vivo. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 391-401.	1.9	8
23	¹³ C magnetic resonance spectroscopic imaging of hyperpolarized [¹³ C, ² H ₅] ethanol oxidation can be used to assess aldehyde dehydrogenase activity in vivo. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1733-1740.	1.9	21
24	Detection of transgene expression using hyperpolarized ¹³ C urea and diffusion-weighted magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1401-1406.	1.9	31
25	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. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1543-1547.	1.9	38
26	Hyperpolarized singlet lifetimes of pyruvate in human blood and in the mouse. <i>NMR in Biomedicine</i> , 2013, 26, 1696-1704.	1.6	54