

Ralph Hurd

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,892
citations

430874

18
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

2210
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of dynamic brain metabolism during antegrade cerebral perfusion versus deep hypothermic circulatory arrest using proton magnetic resonance spectroscopy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 160, e225-e227.	0.8	5
2	Association between Anterior Cingulate Neurochemical Concentration and Individual Differences in Hypnotizability. <i>Cerebral Cortex</i> , 2020, 30, 3644-3654.	2.9	13
3	Reversed metabolic reprogramming as a measure of cancer treatment efficacy in rat C6 glioma model. <i>PLoS ONE</i> , 2019, 14, e0225313.	2.5	10
4	Assessing inflammatory liver injury in an acute CCl ₄ model using dynamic 3D metabolic imaging of hyperpolarized [¹³ C]pyruvate. <i>NMR in Biomedicine</i> , 2015, 28, 1671-1677.	2.8	48
5	Dynamic metabolic imaging of hyperpolarized [² 13C]pyruvate using spiral chemical shift imaging with alternating spectral band excitation. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 2051-2058.	3.0	34
6	The feasibility of assessing branched-chain amino acid metabolism in cellular models of prostate cancer with hyperpolarized [1- ¹³ C]-ketoisocaproate. <i>Magnetic Resonance Imaging</i> , 2014, 32, 791-795.	1.8	15
7	<i>In vivo</i> measurement of aldehyde dehydrogenase ² activity in rat liver ethanol model using dynamic MRSI of hyperpolarized [¹ 13C]pyruvate. <i>NMR in Biomedicine</i> , 2013, 26, 607-612.	2.8	14
8	Effects of isoflurane anesthesia on hyperpolarized ¹³ C metabolic measurements in rat brain. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1117-1124.	3.0	38
9	Fast volumetric imaging of ethanol metabolism in rat liver with hyperpolarized [¹ 13C]pyruvate. <i>NMR in Biomedicine</i> , 2012, 25, 993-999.	2.8	20
10	Quantification of <i>in vivo</i> metabolic kinetics of hyperpolarized pyruvate in rat kidneys using dynamic ¹³ C MRSI. <i>NMR in Biomedicine</i> , 2011, 24, 997-1005.	2.8	46
11	Multi-channel metabolic imaging, with SENSE reconstruction, of hyperpolarized [1- ¹³ C] pyruvate in a live rat at 3.0tesla on a clinical MR scanner. <i>Journal of Magnetic Resonance</i> , 2011, 208, 171-177.	2.1	51
12	Blood flow and metabolic regulation in seal muscle during apnea. <i>Journal of Experimental Biology</i> , 2008, 211, 3323-3332.	1.7	54
13	TE-Averaged two-dimensional proton spectroscopic imaging of glutamate at 3 T. <i>NeuroImage</i> , 2006, 30, 1171-1178.	4.2	67
14	Control of respiration and bioenergetics during muscle contraction. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 288, C730-C738.	4.6	56
15	Evidence of elevated glutamate in multiple sclerosis using magnetic resonance spectroscopy at 3 T. <i>Brain</i> , 2005, 128, 1016-1025.	7.6	416
16	A comparative study of myo-inositol quantification using lmodel at 1.5 T and 3.0 T with 3 D 1H proton spectroscopic imaging of the human brain. <i>Magnetic Resonance Imaging</i> , 2004, 22, 523-528.	1.8	49
17	Measurement of brain glutamate using TE-averaged PRESS at 3T. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 435-440.	3.0	216
18	O ₂ and Respiration in Exercising Human Muscle. <i>Advances in Experimental Medicine and Biology</i> , 2002, 475, 769-783.	1.6	1

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19	Detection of myoglobin desaturation in <i>Mirounga angustirostris</i> during apnea. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 282, R267-R272.	1.8	25
20	Very selective suppression pulses for clinical MRSI studies of brain and prostate cancer. Magnetic Resonance in Medicine, 2000, 43, 23-33.	3.0	228
21	Comparative analysis of NMR and NIRS measurements of intracellular P O 2 in human skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 276, R1682-R1690.	1.8	106
22	Myoglobin desaturation with exercise intensity in human gastrocnemius muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 277, R173-R180.	1.8	99
23	Automated single-voxel proton MRS: Technical development and multisite verification. Magnetic Resonance in Medicine, 1994, 31, 365-373.	3.0	243
24	ShortTE phosphorus spectroscopy using a spin-echo pulse. Magnetic Resonance in Medicine, 1994, 32, 98-103.	3.0	38
25	Evaluation of the clinical performance of automated proton magnetic resonance spectroscopy in children. Academic Radiology, 1994, 1, 46-50.	2.5	0