

Per Mose Nielsen

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

497
citations

687363

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docs citations

30
times ranked

690
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperpolarized [1,4- ¹³ C]Fumarate Enables Magnetic Resonance-Based Imaging of Myocardial Necrosis. JACC: Cardiovascular Imaging, 2018, 11, 1594-1606.	5.3	46
2	¹³ C Pyruvate Transport Across the Blood-Brain Barrier in Preclinical Hyperpolarised MRI. Scientific Reports, 2018, 8, 15082.	3.3	43
3	Fumarase activity: an in vivo and in vitro biomarker for acute kidney injury. Scientific Reports, 2017, 7, 40812.	3.3	38
4	Renal ischemia and reperfusion assessment with three-dimensional hyperpolarized ¹³ C, ¹⁵ N-urea. Magnetic Resonance in Medicine, 2016, 76, 1524-1530.	3.0	36
5	In situ lactate dehydrogenase activity: a novel renal cortical imaging biomarker of tubular injury?. American Journal of Physiology - Renal Physiology, 2017, 312, F465-F473.	2.7	36
6	Hyperpolarized ¹³ C urea relaxation mechanism reveals renal changes in diabetic nephropathy. Magnetic Resonance in Medicine, 2016, 75, 515-518.	3.0	34
7	Antioxidant treatment attenuates lactate production in diabetic nephropathy. American Journal of Physiology - Renal Physiology, 2017, 312, F192-F199.	2.7	28
8	Hyperpolarized ¹³ C, ¹⁵ N-urea T ₂ relaxation changes in acute kidney injury. Magnetic Resonance in Medicine, 2018, 80, 696-702.	3.0	20
9	Can Hyperpolarized ¹³ C-Urea Be Used to Assess Glomerular Filtration Rate? A Retrospective Study. Tomography, 2017, 3, 146-152.	1.8	20
10	The chinchilla as a novel animal model of pregnancy. Royal Society Open Science, 2017, 4, 161098.	2.4	19
11	Unilateral nephrectomy diminishes ischemic acute kidney injury through enhanced perfusion and reduced pro-inflammatory and pro-fibrotic responses. PLoS ONE, 2017, 12, e0190009.	2.5	19
12	Imaging porcine cardiac substrate selection modulations by glucose, insulin and potassium intervention: A hyperpolarized [¹³ C]pyruvate study. NMR in Biomedicine, 2017, 30, e3702.	2.8	16
13	Remote ischemic preconditioning attenuates ischemia/reperfusion-induced downregulation of AQP2 in rat kidney. Physiological Reports, 2016, 4, e12865.	1.7	15
14	Hyperbaric oxygen therapy reduces renal lactate production. Physiological Reports, 2017, 5, e13217.	1.7	14
15	Effects of anesthesia on renal function and metabolism in rats assessed by hyperpolarized ¹³ C MRI. Magnetic Resonance in Medicine, 2018, 80, 2073-2080.	3.0	14
16	Metabolic consequences of lactate dehydrogenase inhibition by oxamate in hyperglycemic proximal tubular cells. Experimental Cell Research, 2019, 378, 51-56.	2.6	13
17	Hyperpolarized [1,4- ¹³ C]fumarate imaging detects microvascular complications and hypoxia mediated cell death in diabetic nephropathy. Scientific Reports, 2020, 10, 9650.	3.3	11
18	Hyperpolarized [¹³ C]pyruvate MRI can image the metabolic shift in cardiac metabolism between the fasted and fed state in a porcine model. Magnetic Resonance in Medicine, 2019, 81, 2655-2665.	3.0	9

#	ARTICLE	IF	CITATIONS
19	Detection of acute kidney injury with hyperpolarized [¹³ C, ¹⁵ N]Urea and multiexponential relaxation modeling. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 943-949.	3.0	9
20	A non-invasive biomarker of type III collagen degradation reflects ischaemia reperfusion injury in rats. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, 1301-1309.	0.7	8
21	Metabolic reprogramming associated with progression of renal ischemia reperfusion injury assessed with hyperpolarized [1- ¹³ C]pyruvate. <i>Scientific Reports</i> , 2020, 10, 8915.	3.3	8
22	Sex Differences in Kidney Function and Metabolism Assessed Using Hyperpolarized [1- ¹³ C]Pyruvate Interleaved Spectroscopy and Nonspecific Imaging. <i>Tomography</i> , 2020, 6, 5-13.	1.8	8
23	Glucagon infusion alters the hyperpolarized ¹³ C-urea renal hemodynamic signature. <i>NMR in Biomedicine</i> , 2019, 32, e4028.	2.8	7
24	Hyperpolarized [¹³ C] alanine production: A novel imaging biomarker of renal fibrosis. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2063-2073.	3.0	7
25	Ex vivo hyperpolarized MR spectroscopy on isolated renal tubular cells: A novel technique for cell energy phenotyping. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 457-461.	3.0	5
26	The hemodynamic and metabolic effects of spironolactone treatment in acute kidney injury assessed by hyperpolarized MRI. <i>NMR in Biomedicine</i> , 2020, 33, e4371.	2.8	5
27	Noninvasive Assessment of Fibrosis Following Ischemia/Reperfusion Injury in Rodents Utilizing Na Magnetic Resonance Imaging. <i>Pharmaceutics</i> , 2020, 12, 775.	4.5	5
28	High Intrarenal Lactate Production Inhibits the Renal Pseudohypoxic Response to Acutely Induced Hypoxia in Diabetes. <i>Tomography</i> , 2019, 5, 239-247.	1.8	4
29	Renal Energy Metabolism Following Acute Dichloroacetate and 2,4-Dinitrophenol Administration: Assessing the Cumulative Action with Hyperpolarized [1- ¹³ C]Pyruvate MRI. <i>Tomography</i> , 2018, 4, 105-109.	1.8	0
30	Magnetic resonance hyperpolarisation imaging detects early myocardial dysfunction in a porcine model of right ventricular heart failure. <i>FASEB Journal</i> , 2019, 33, 831.4.	0.5	0