

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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times ranked

690
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Noninvasive Assessment of Fibrosis Following Ischemia/Reperfusion Injury in Rodents Utilizing Na Magnetic Resonance Imaging. <i>Pharmaceutics</i> , 2020, 12, 775.	4.5	5
4	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
5	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
6	Hyperpolarized [1,4- ¹³ C]fumarate imaging detects microvascular complications and hypoxia mediated cell death in diabetic nephropathy. <i>Scientific Reports</i> , 2020, 10, 9650.	3.3	11
7	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
8	Metabolic consequences of lactate dehydrogenase inhibition by oxamate in hyperglycemic proximal tubular cells. <i>Experimental Cell Research</i> , 2019, 378, 51-56.	2.6	13
9	Glucagon infusion alters the hyperpolarized ¹³ C urea renal hemodynamic signature. <i>NMR in Biomedicine</i> , 2019, 32, e4028.	2.8	7
10	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
11	Hyperpolarized [¹³ C]pyruvate MRI can image the metabolic shift in cardiac metabolism between the fasted and fed state in a porcine model. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2655-2665.	3.0	9
12	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
13	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
14	Hyperpolarized [1,4- ¹³ C]Fumarate Enables Magnetic Resonance-Based Imaging of Myocardial Necrosis. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 1594-1606.	5.3	46
15	Hyperpolarized ¹³ C, ¹⁵ N ₂ urea T ₂ relaxation changes in acute kidney injury. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 696-702.	3.0	20
16	Effects of anesthesia on renal function and metabolism in rats assessed by hyperpolarized ¹³ C MRI. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2073-2080.	3.0	14
17	¹³ C Pyruvate Transport Across the Blood-Brain Barrier in Preclinical Hyperpolarised MRI. <i>Scientific Reports</i> , 2018, 8, 15082.	3.3	43
18	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

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19	Fumarase activity: an in vivo and in vitro biomarker for acute kidney injury. <i>Scientific Reports</i> , 2017, 7, 40812.	3.3	38
20	Antioxidant treatment attenuates lactate production in diabetic nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F192-F199.	2.7	28
21	In situ lactate dehydrogenase activity: a novel renal cortical imaging biomarker of tubular injury?. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F465-F473.	2.7	36
22	The chinchilla as a novel animal model of pregnancy. <i>Royal Society Open Science</i> , 2017, 4, 161098.	2.4	19
23	Hyperbaric oxygen therapy reduces renal lactate production. <i>Physiological Reports</i> , 2017, 5, e13217.	1.7	14
24	Imaging porcine cardiac substrate selection modulations by glucose, insulin and potassium intervention: A hyperpolarized [¹³ C]pyruvate study. <i>NMR in Biomedicine</i> , 2017, 30, e3702.	2.8	16
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	Unilateral nephrectomy diminishes ischemic acute kidney injury through enhanced perfusion and reduced pro-inflammatory and pro-fibrotic responses. <i>PLoS ONE</i> , 2017, 12, e0190009.	2.5	19
27	Can Hyperpolarized ¹³ C-Urea Be Used to Assess Glomerular Filtration Rate? A Retrospective Study. <i>Tomography</i> , 2017, 3, 146-152.	1.8	20
28	Renal ischemia and reperfusion assessment with three-dimensional hyperpolarized ¹³ C, ¹⁵ N ² €urea. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1524-1530.	3.0	36
29	Remote ischemic preconditioning attenuates ischemia/reperfusion-induced downregulation of AQP2 in rat kidney. <i>Physiological Reports</i> , 2016, 4, e12865.	1.7	15
30	Hyperpolarized ¹³ C urea relaxation mechanism reveals renal changes in diabetic nephropathy. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 515-518.	3.0	34