

Lotte Bonde Bertelsen

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

410
citations

933264

10
h-index

752573

20
g-index

28
all docs

28
docs citations

28
times ranked

537
citing authors

#	ARTICLE	IF	CITATIONS
1	Pilot Study Experiences With Hyperpolarized [^{13}C]pyruvate MRI in Pancreatic Cancer Patients. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 961-963.	1.9	45
2	Fumarase activity: an in vivo and in vitro biomarker for acute kidney injury. <i>Scientific Reports</i> , 2017, 7, 40812.	1.6	38
3	Renal ischemia and reperfusion assessment with three-dimensional hyperpolarized [^{13}C], [^{15}N]urea. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1524-1530.	1.9	36
4	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.	1.3	36
5	Hyperpolarized ^{13}C urea relaxation mechanism reveals renal changes in diabetic nephropathy. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 515-518.	1.9	34
6	Antioxidant treatment attenuates lactate production in diabetic nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F192-F199.	1.3	28
7	Acute porcine renal metabolic effect of endogastric soft drink administration assessed with hyperpolarized [^{13}C]pyruvate. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 558-563.	1.9	26
8	Hyperpolarized ^{13}C Magnetic Resonance Imaging Can Detect Metabolic Changes Characteristic of Penumbra in Ischemic Stroke. <i>Tomography</i> , 2017, 3, 67-73.	0.8	26
9	Can Hyperpolarized ^{13}C -Urea Be Used to Assess Glomerular Filtration Rate? A Retrospective Study. <i>Tomography</i> , 2017, 3, 146-152.	0.8	20
10	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.	1.6	16
11	Metabolic consequences of lactate dehydrogenase inhibition by oxamate in hyperglycemic proximal tubular cells. <i>Experimental Cell Research</i> , 2019, 378, 51-56.	1.2	13
12	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.	1.6	11
13	Ex Vivo Human Placenta Perfusion, Metabolic and Functional Imaging for Obstetric Research—A Feasibility Study. <i>Tomography</i> , 2019, 5, 333-338.	0.8	11
14	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.	1.9	9
15	Metabolic reprogramming associated with progression of renal ischemia reperfusion injury assessed with hyperpolarized [1- ^{13}C]pyruvate. <i>Scientific Reports</i> , 2020, 10, 8915.	1.6	8
16	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.	0.8	8
17	Hyperpolarized [^{13}C] alanine production: A novel imaging biomarker of renal fibrosis. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2063-2073.	1.9	7
18	A Combretastatin-Mediated Decrease in Neutrophil Concentration in Peripheral Blood and the Impact on the Anti-Tumor Activity of This Drug in Two Different Murine Tumor Models. <i>PLoS ONE</i> , 2014, 9, e110091.	1.1	7

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19	Establishment and characterization of porcine focal cerebral ischemic model induced by endothelin-1. <i>Neuroscience Letters</i> , 2016, 635, 1-7.	1.0	5
20	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.	1.9	5
21	The hemodynamic and metabolic effects of spironolactone treatment in acute kidney injury assessed by hyperpolarized MRI. <i>NMR in Biomedicine</i> , 2020, 33, e4371.	1.6	5
22	High Intrarenal Lactate Production Inhibits the Renal Pseudohypoxic Response to Acutely Induced Hypoxia in Diabetes. <i>Tomography</i> , 2019, 5, 239-247.	0.8	4
23	Cardiac pH-Imaging With Hyperpolarized MRI. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 603674.	1.1	4
24	Bioreactor for quantification of cell metabolism by MR-hyperpolarization. <i>Biomedical Physics and Engineering Express</i> , 2015, 1, 047003.	0.6	3
25	¹³ C dynamic nuclear polarization for measuring metabolic flux in endothelial progenitor cells. <i>Experimental Cell Research</i> , 2016, 349, 95-100.	1.2	2
26	Hyperpolarized pyruvate to measure the influence of PKM2 activation on glucose metabolism in the healthy kidney. <i>NMR in Biomedicine</i> , 2021, 34, e4583.	1.6	2
27	Concentration-dependent effects of dichloroacetate in type 2 diabetic hearts assessed by hyperpolarized [¹³ C]pyruvate magnetic resonance imaging. <i>NMR in Biomedicine</i> , 2022, 35, e4678.	1.6	1
28	Renal Energy Metabolism Following Acute Dichloroacetate and 2,4-Dinitrophenol Administration: Assessing the Cumulative Action with Hyperpolarized [¹³ C]Pyruvate MRI. <i>Tomography</i> , 2018, 4, 105-109.	0.8	0