

Jessica A M Bastiaansen

List of Publications by Year in descending order

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papers

619
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567281

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citing authors

#	ARTICLE	IF	CITATIONS
1	[13C]bicarbonate labelled from hyperpolarized [1-13C]pyruvate is an in vivo marker of hepatic gluconeogenesis in fasted state. <i>Communications Biology</i> , 2022, 5, 10.	4.4	3
2	Similarity-driven multi-dimensional binning algorithm (SIMBA) for free-running motion-suppressed whole-heart MRA. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 213-229.	3.0	6
3	A robust broadband fat-suppressing phaser T ₂ preparation module for cardiac magnetic resonance imaging at 3T. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1434-1444.	3.0	2
4	Radical-free hyperpolarized MRI using endogenously occurring pyruvate analogues and UV-induced nonpersistent radicals. <i>NMR in Biomedicine</i> , 2021, 34, e4584.	2.8	2
5	Quantification of myocardial interstitial fibrosis and extracellular volume for the detection of cardiac allograft vasculopathy. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 533-542.	1.5	10
6	Natively fat-suppressed 5D whole-heart MRI with a radial free-running fast-interrupted steady-state (FISS) sequence at 1.5T and 3T. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 45-55.	3.0	18
7	Free-running 5D coronary MR angiography at 1.5T using LIBRE water excitation pulses. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1470-1485.	3.0	15
8	3-Dimensional magnetic resonance imaging of the freely moving human eye. <i>Progress in Neurobiology</i> , 2020, 194, 101885.	5.7	9
9	Detection of myocardial medium-chain fatty acid oxidation and tricarboxylic acid cycle activity with hyperpolarized [¹³ C]octanoate. <i>NMR in Biomedicine</i> , 2020, 33, e4243.	2.8	8
10	Noncontrast free-breathing respiratory self-navigated coronary artery cardiovascular magnetic resonance angiography at 3T using lipid insensitive binomial off-resonant excitation (LIBRE). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 38.	3.3	15
11	Patient respiratory-triggered quantitative T ₂ mapping in the pancreas. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 410-416.	3.4	15
12	Simultaneous fat-free isotropic 3D anatomical imaging and T ₂ mapping of knee cartilage with lipid-insensitive binomial off-resonant RF excitation (LIBRE) pulses. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1275-1284.	3.4	11
13	Probing cardiac metabolism by hyperpolarized ¹³ C MR using an exclusively endogenous substrate mixture and photo-induced nonpersistent radicals. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2451-2459.	3.0	18
14	Flexible water excitation for fat-free MRI at 3T using lipid insensitive binomial off-resonant RF excitation (LIBRE) pulses. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 3007-3017.	3.0	21
15	Hyperpolarized ¹³ C Magnetic Resonance Spectroscopy Reveals the Rate-Limiting Role of the Blood-Brain Barrier in the Cerebral Uptake and Metabolism of ¹³ C-Lactate <i>In Vivo</i> . <i>ACS Chemical Neuroscience</i> , 2018, 9, 2554-2562.	3.5	31
16	MRI. , 2017, , 227-324.		2
17	ATP and NADPH coated iron oxide nanoparticles for targeting of highly metabolic tumor cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8353-8365.	5.8	6
18	Folic acid on iron oxide nanoparticles: platform with high potential for simultaneous targeting, MRI detection and hyperthermia treatment of lymph node metastases of prostate cancer. <i>Dalton Transactions</i> , 2017, 46, 12692-12704.	3.3	51

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19	Chelating agents as coating molecules for iron oxide nanoparticles. <i>RSC Advances</i> , 2017, 7, 55598-55609.	3.6	12
20	Characterization of perfluorocarbon relaxation times and their influence on the optimization of fluorine-19 MRI at 3 tesla. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 2263-2271.	3.0	25
21	Versatility of Pyridoxal Phosphate as a Coating of Iron Oxide Nanoparticles. <i>Nanomaterials</i> , 2017, 7, 202.	4.1	15
22	Tuning Properties of Iron Oxide Nanoparticles in Aqueous Synthesis without Ligands to Improve MRI Relaxivity and SAR. <i>Nanomaterials</i> , 2017, 7, 225.	4.1	30
23	Direct Monitoring of ^{13}C -Glutamyl Transpeptidase Activity In Vivo Using a Hyperpolarized ^{13}C -Labeled Molecular Probe. <i>Angewandte Chemie</i> , 2016, 128, 10784-10787.	2.0	7
24	Measuring changes in substrate utilization in the myocardium in response to fasting using hyperpolarized ^{13}C -butyrate and ^{13}C -pyruvate. <i>Scientific Reports</i> , 2016, 6, 25573.	3.3	34
25	Direct Monitoring of ^{13}C -Glutamyl Transpeptidase Activity In Vivo Using a Hyperpolarized ^{13}C -Labeled Molecular Probe. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10626-10629.	13.8	40
26	An intact small animal model of myocardial ischemia-reperfusion: Characterization of metabolic changes by hyperpolarized ^{13}C MR spectroscopy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H2058-H2066.	3.2	36
27	Direct noninvasive estimation of myocardial tricarboxylic acid cycle flux in vivo using hyperpolarized ^{13}C magnetic resonance. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 87, 129-137.	1.9	30
28	Hyperpolarized ^{13}C lactate as a substrate for in vivo metabolic studies in skeletal muscle. <i>Metabolomics</i> , 2014, 10, 986-994.	3.0	24
29	In vivo enzymatic activity of acetylCoA synthetase in skeletal muscle revealed by ^{13}C turnover from hyperpolarized ^{13}C -acetate to ^{13}C -acetylcarnitine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4171-4178.	2.4	61
30	Automated transfer and injection of hyperpolarized molecules with polarization measurement prior to <i>in vivo</i> NMR. <i>NMR in Biomedicine</i> , 2013, 26, 1582-1588.	2.8	62