

Galen D Reed

List of Publications by Year in descending order

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16
papers

1,344
citations

1040056

9
h-index

940533

16
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16
all docs

16
docs citations

16
times ranked

1810
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic Imaging of Patients with Prostate Cancer Using Hyperpolarized [¹³ C]Pyruvate. <i>Science Translational Medicine</i> , 2013, 5, 198ra108.	12.4	1,061
2	Dynamic Imaging of Glucose and Lactate Metabolism by ¹³ C-MRS without Hyperpolarization. <i>Scientific Reports</i> , 2019, 9, 3410.	3.3	56
3	Rapid sequential injections of hyperpolarized [¹³ C]pyruvate in vivo using a sub-kelvin, multi-sample DNP polarizer. <i>Magnetic Resonance Imaging</i> , 2013, 31, 490-496.	1.8	38
4	Frequency-specific SSFP for hyperpolarized ¹³ C metabolic imaging at 14.1 T. <i>Magnetic Resonance Imaging</i> , 2013, 31, 163-170.	1.8	31
5	A regional bolus tracking and real-time B ₁ calibration method for hyperpolarized ¹³ C MRI. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 839-851.	3.0	30
6	Tensor image enhancement and optimal multichannel receiver combination analyses for human hyperpolarized ¹³ C MRSI. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 3351-3365.	3.0	27
7	Effect of Doxorubicin on Myocardial Bicarbonate Production From Pyruvate Dehydrogenase in Women With Breast Cancer. <i>Circulation Research</i> , 2020, 127, 1568-1570.	4.5	21
8	Comparison of hyperpolarized ¹³ C and non-hyperpolarized deuterium MRI approaches for imaging cerebral glucose metabolism at 4.7 T. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1795-1804.	3.0	20
9	Cardiac measurement of hyperpolarized ¹³ C metabolites using metabolite-selective multi-echo spiral imaging. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1494-1504.	3.0	13
10	¹⁵ N-carnitine, a novel endogenous hyperpolarized MRI probe with long signal lifetime. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1814-1820.	3.0	11
11	Hyperpolarized ¹³ C MR Spectroscopy Depicts in Vivo Effect of Exercise on Pyruvate Metabolism in Human Skeletal Muscle. <i>Radiology</i> , 2021, 300, 626-632.	7.3	10
12	Preoperative imaging of glioblastoma patients using hyperpolarized ¹³ C pyruvate: Potential role in clinical decision making. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab092.	0.7	9
13	Characterization and compensation of inhomogeneity artifact in spiral hyperpolarized ¹³ C imaging of the human heart. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 157-166.	3.0	8
14	Dynamic ¹³ C MR spectroscopy as an alternative to imaging for assessing cerebral metabolism using hyperpolarized pyruvate in humans. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1136-1149.	3.0	4
15	High spatiotemporal resolution hyperpolarized ¹³ C angiography. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, Q30.	3.3	3
16	Metabolite-Specific Echo-Planar Imaging of Hyperpolarized [¹³ C]Pyruvate at 4.7 T. <i>Tomography</i> , 2021, 7, 466-476.	1.8	2