

Alan J Wright

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

581
citations

759233

12
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

1059
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring Tumor Glycolytic Flux in Vivo by Using Fast Deuterium MRI. <i>Radiology</i> , 2020, 294, 289-296.	7.3	73
2	MRI with hyperpolarised [¹³ C]pyruvate detects advanced pancreatic preneoplasia prior to invasive disease in a mouse model. <i>Gut</i> , 2016, 65, 465-475.	12.1	71
3	Measurement of Plasma Cell-Free Mitochondrial Tumor DNA Improves Detection of Glioblastoma in Patient-Derived Orthotopic Xenograft Models. <i>Cancer Research</i> , 2019, 79, 220-230.	0.9	67
4	Carbonic Anhydrase Activity Monitored <i>In Vivo</i> by Hyperpolarized ¹³ C-Magnetic Resonance Spectroscopy Demonstrates Its Importance for pH Regulation in Tumors. <i>Cancer Research</i> , 2015, 75, 4109-4118.	0.9	40
5	Dynamic ¹ H imaging of hyperpolarized [¹³ C]lactate in vivo using a reverse INEPT experiment. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 741-747.	3.0	37
6	Magnetic Resonance Imaging Is More Sensitive Than PET for Detecting Treatment-Induced Cell Death-Dependent Changes in Glycolysis. <i>Cancer Research</i> , 2019, 79, 3557-3569.	0.9	36
7	Metabolic Imaging Detects Low Levels of Glycolytic Activity That Vary with Levels of c-Myc Expression in Patient-Derived Xenograft Models of Glioblastoma. <i>Cancer Research</i> , 2018, 78, 5408-5418.	0.9	34
8	Monitoring tumor cell death in murine tumor models using deuterium magnetic resonance spectroscopy and spectroscopic imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
9	Metabolite ratios in ¹ H MR spectroscopic imaging of the prostate. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1-12.	3.0	32
10	Single shot three-dimensional pulse sequence for hyperpolarized ¹³ C MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 740-752.	3.0	30
11	Increased hyperpolarized [¹³ C] lactate production in a model of joint inflammation is not accompanied by tissue acidosis as assessed using hyperpolarized ¹³ C-labelled bicarbonate. <i>NMR in Biomedicine</i> , 2018, 31, e3892.	2.8	21
12	Quality control of prostate ¹ H MRSI data. <i>NMR in Biomedicine</i> , 2013, 26, 193-203.	2.8	15
13	A referenceless Nyquist ghost correction workflow for echo planar imaging of hyperpolarized [¹³ C]pyruvate and [¹³ C]lactate. <i>NMR in Biomedicine</i> , 2018, 31, e3866.	2.8	12
14	Hyperpolarized ¹³ C spectroscopic imaging using single-shot 3D sequences with unpaired adiabatic refocusing pulses. <i>NMR in Biomedicine</i> , 2018, 31, e4004.	2.8	11
15	Comparison of ¹³ C MRI of hyperpolarized [¹³ C]pyruvate and lactate with the corresponding mass spectrometry images in a murine lymphoma model. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3027-3035.	3.0	9
16	Sub-minute kinetics of human red cell fumarase: ¹ H spin-echo NMR spectroscopy and ¹³ C rapid-dissolution dynamic nuclear polarization. <i>NMR in Biomedicine</i> , 2018, 31, e3870.	2.8	8
17	Glyoxalase activity in human erythrocytes and mouse lymphoma, liver and brain probed with hyperpolarized ¹³ C-methylglyoxal. <i>Communications Biology</i> , 2018, 1, 232.	4.4	8
18	Deuterium MRSI of tumor cell death in vivo following oral delivery of ² H-labeled fumarate. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 2014-2020.	3.0	8

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19	Simple baseline correction for ¹ H MRSI data of the prostate. Magnetic Resonance in Medicine, 2012, 68, 1724-1730.	3.0	7
20	A phase and frequency alignment protocol for ¹ H MRSI data of the prostate. NMR in Biomedicine, 2012, 25, 755-765.	2.8	5
21	Levels of choline-containing compounds in normal liver and liver metastases of colorectal cancer as recorded by ¹ H MRS. NMR in Biomedicine, 2019, 32, e4035.	2.8	5
22	A multi spin echo pulse sequence with optimized excitation pulses and a 3D cone readout for hyperpolarized ¹³ C imaging. Magnetic Resonance in Medicine, 2020, 84, 1895-1908.	3.0	5
23	Increasing the sensitivity of hyperpolarized [¹⁵ N] urea detection by serial transfer of polarization to spin-coupled protons. Magnetic Resonance in Medicine, 2020, 84, 1844-1856.	3.0	5
24	Absolute choline tissue concentration mapping for prostate cancer localization and characterization using 3D ¹ H MRSI without water signal suppression. Magnetic Resonance in Medicine, 2022, 87, 561-573.	3.0	5
25	Genetic algorithm-based optimization of pulse sequences. Magnetic Resonance in Medicine, 2022, 87, 2130-2144.	3.0	4
26	PS3 - 16. The effect of fructose and glucose diets on hepatic lipid accumulation. Nederlands Tijdschrift Voor Diabetologie, 2012, 10, 110-110.	0.0	0
27	Innovating Metabolic Biomarkers for Hyperpolarized NMR. , 2021, , 151-179.		0