

Ian C Atkinson

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

622
citations

840776

11
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

635
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility of mapping the tissue mass corrected bioscale of cerebral metabolic rate of oxygen consumption using 17-oxygen and 23-sodium MR imaging in a human brain at 9.4T. <i>NeuroImage</i> , 2010, 51, 723-733.	4.2	99
2	Quantitative sodium imaging with a flexible twisted projection pulse sequence. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1583-1593.	3.0	95
3	Safety of human MRI at static fields above the FDA 8T guideline: Sodium imaging at 9.4T does not affect vital signs or cognitive ability. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 1222-1227.	3.4	87
4	Quantitative Sodium MR Imaging and Sodium Bioscales for the Management of Brain Tumors. <i>Neuroimaging Clinics of North America</i> , 2009, 19, 615-624.	1.0	63
5	Characterization and correction of system delays and eddy currents for MR imaging with ultrashort echo time and time-varying gradients. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 532-537.	3.0	53
6	Quantitative sodium MRI of the human brain at 9.4T provides assessment of tissue sodium concentration and cell volume fraction during normal aging. <i>NMR in Biomedicine</i> , 2016, 29, 137-143.	2.8	49
7	Vital signs and cognitive function are not affected by 23-sodium and 17-oxygen magnetic resonance imaging of the human brain at 9.4 T. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 82-87.	3.4	40
8	Clinically constrained optimization of flexTPI acquisition parameters for the tissue sodium concentration bioscale. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1089-1099.	3.0	31
9	PCr/ATP ratio mapping of the human head by simultaneously imaging of multiple spectral peaks with interleaved excitations and flexible twisted projection imaging readout trajectories at 9.4 T. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 538-544.	3.0	29
10	Residual Tumor Volume, Cell Volume Fraction, and Tumor Cell Kill During Fractionated Chemoradiation Therapy of Human Glioblastoma using Quantitative Sodium MR Imaging. <i>Clinical Cancer Research</i> , 2019, 25, 1226-1232.	7.0	26
11	Feasibility of 39-potassium MR imaging of a human brain at 9.4 Tesla. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1819-1825.	3.0	20
12	Impact of gradient timing error on the tissue sodium concentration bioscale measured using flexible twisted projection imaging. <i>Journal of Magnetic Resonance</i> , 2011, 213, 176-181.	2.1	10
13	Preserving the accuracy and resolution of the sodium bioscale from quantitative sodium MRI during intrasubject alignment across longitudinal studies. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 751-761.	3.0	10
14	Metabolic Magnetic Resonance Imaging: A Case for Bioscales in Medicine. , 2011, , 911-928.		3
15	Quantitative Metabolic Magnetic Resonance Imaging of Sodium, Oxygen, Phosphorus and Potassium in the Human Brain. , 2014, , 291-311.		2
16	SERIAL transmit - parallel receive (STxPRx) MR imaging produces acceptable proton image uniformity without compromising field of view or SAR guidelines for human neuroimaging at 9.4 Tesla. <i>Journal of Magnetic Resonance</i> , 2018, 293, 145-153.	2.1	2
17	Motion reduction for quantitative brain sodium MR imaging with a navigated flexible twisted projection imaging sequence at 9.4T. <i>Journal of Magnetic Resonance</i> , 2019, 307, 106582.	2.1	2
18	Rapid computation of sodium bioscales using gpu-accelerated image reconstruction. <i>International Journal of Imaging Systems and Technology</i> , 2013, 23, 29-35.	4.1	1

#	ARTICLE	IF	CITATIONS
19	Sodium Magnetic Resonance Imaging in the Management of Human High-Grade Brain Tumors. , 2014, , 211-224.		0