

Deirdre M Mcgrath

List of Publications by Year in descending order

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18
papers

554
citations

759233

12
h-index

888059

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all docs

18
docs citations

18
times ranked

954
citing authors

#	ARTICLE	IF	CITATIONS
1	Preliminary Study of Oxygen-Enhanced Longitudinal Relaxation in MRI: A Potential Novel Biomarker of Oxygenation Changes in Solid Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 1209-1215.	0.8	107
2	Comparison of model-based arterial input functions for dynamic contrast-enhanced MRI in tumor bearing rats. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1173-1184.	3.0	84
3	Comparison of normal tissue T_1 and T_2 modulation by oxygen and carbogen. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 75-83.	3.0	77
4	Organ-specific effects of oxygen and carbogen gas inhalation on tissue longitudinal relaxation times. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 490-496.	3.0	75
5	Tracer kinetic analysis of dynamic contrast-enhanced MRI and CT bladder cancer data: A preliminary comparison to assess the magnitude of water exchange effects. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 595-603.	3.0	35
6	Feasibility assessment of using oxygen-enhanced magnetic resonance imaging for evaluating the effect of pharmacological treatment in COPD. <i>European Journal of Radiology</i> , 2014, 83, 2093-2101.	2.6	30
7	Oxygen-induced changes in longitudinal relaxation times in skeletal muscle. <i>Magnetic Resonance Imaging</i> , 2008, 26, 221-227.	1.8	24
8	Magnetic resonance elastography of the brain: An in silico study to determine the influence of cranial anatomy. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 645-662.	3.0	19
9	Measurement of arterial plasma oxygenation in dynamic oxygen-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1838-1842.	3.0	16
10	Technical Note: Fiducial markers for correlation of whole-specimen histopathology with MR imaging at 7 tesla. <i>Medical Physics</i> , 2010, 37, 2321-2328.	3.0	14
11	Biomechanical model-based deformable registration of MRI and histopathology for clinical prostatectomy. <i>Journal of Pathology Informatics</i> , 2012, 2, 10.	1.7	14
12	Quasi-static magnetic resonance elastography at 7 T to measure the effect of pathology before and after fixation on tissue biomechanical properties. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 152-165.	3.0	14
13	Effect of material property heterogeneity on biomechanical modeling of prostate under deformation. <i>Physics in Medicine and Biology</i> , 2015, 60, 195-209.	3.0	10
14	Technical Note: Method to correlate whole-specimen histopathology of radical prostatectomy with diagnostic MR imaging. <i>Medical Physics</i> , 2016, 43, 1065-1072.	3.0	10
15	Evaluation of wave delivery methodology for brain MRE: Insights from computational simulations. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 341-356.	3.0	9
16	MR elastography to measure the effects of cancer and pathology fixation on prostate biomechanics, and comparison with T_1 , T_2 and ADC. <i>Physics in Medicine and Biology</i> , 2017, 62, 1126-1148.	3.0	8
17	T_1 Relaxation Time in Lungs of Asymptomatic Smokers. <i>PLoS ONE</i> , 2016, 11, e0149760.	2.5	8
18	In silico evaluation and optimisation of magnetic resonance elastography of the liver. <i>Physics in Medicine and Biology</i> , 2021, 66, .	3.0	0