

# Deirdre M Mcgrath

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

554  
citations

759233

12  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

954  
citing authors

#	ARTICLE	IF	CITATIONS
1	In silico evaluation and optimisation of magnetic resonance elastography of the liver. <i>Physics in Medicine and Biology</i> , 2021, 66, .	3.0	0
2	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
3	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
4	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
5	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
6	T1 Relaxation Time in Lungs of Asymptomatic Smokers. <i>PLoS ONE</i> , 2016, 11, e0149760.	2.5	8
7	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
8	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
9	Biomechanical model-based deformable registration of MRI and histopathology for clinical prostatectomy. <i>Journal of Pathology Informatics</i> , 2012, 2, 10.	1.7	14
10	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
11	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
12	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
13	Measurement of arterial plasma oxygenation in dynamic oxygen-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1838-1842.	3.0	16
14	Comparison of normal tissue $R_1$ and $R_2$ modulation by oxygen and carbogen. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 75-83.	3.0	77
15	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
16	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
17	Oxygen-induced changes in longitudinal relaxation times in skeletal muscle. <i>Magnetic Resonance Imaging</i> , 2008, 26, 221-227.	1.8	24
18	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