Ives R Levesque

List of Publications by Year
in descending order

33 papers	1,458 citations	430754 18 h-index	395590 33 g-index
34 all docs	34 docs citations	34 times ranked	2497 citing authors

#	Article	IF	Citations
1	Development and Validation of Multiparametric MRIâ€“based Radiomics Models for Preoperative Risk Stratification of Endometrial Cancer. Radiology, 2022, 305, 375-386.	3.6	30
2	A simulation study of cell size and volume fraction mapping for tissue with two underlying cell populations using diffusionâ€weighted MRI. Magnetic Resonance in Medicine, 2021, 86, 1029-1044.	1.9	3
3	A role for magnetic susceptibility in synthetic computed tomography. Physica Medica, 2021, 85, 137-146.	0.4	2
4	New developments in MRI: System characterization, technical advances and radiotherapy applications. Physica Medica, 2021, 90, 50-52.	0.4	4
5	Longitudinal relaxation in fatâ€water mixtures and its dependence on fat content at 3ÂT. NMR in Biomedicine, 2021, , e4629.	1.6	1
6	Pharmacokinetic modeling of dynamic contrastâ€enhanced MRI using a reference region and input function tail. Magnetic Resonance in Medicine, 2020, 83, 286-298.	1.9	1
7	Phantom-based quality assurance for multicenter quantitative MRI in locally advanced cervical cancer. Radiotherapy and Oncology, 2020, 153, 114-121.	0.3	15
8	Creating Robust Predictive Radiomic Models for Data From Independent Institutions Using Normalization. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 210-215.	2.7	35
9	Modeling the primary source intensity distribution: reconstruction and inter-comparison of six Varian TrueBeam sources. Physics in Medicine and Biology, 2019, 64, 135005.	1.6	2
10	An Empirical Approach for Avoiding False Discoveries When Applying High-Dimensional Radiomics to Small Datasets. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 201-209.	2.7	16
11	Multiâ€gradientâ€echo myelin water fraction imaging: Comparison to the multiâ€echoâ€spinâ€echo technique. Magnetic Resonance in Medicine, 2018, 79, 1439-1446.	1.9	51
12	Impact of magnetic susceptibility anisotropy at 3ÂT and 7ÂT on T2*-based myelin water fraction imaging. NeuroImage, 2018, 182, 370-378.	2.1	19
13	Phase processing for quantitative susceptibility mapping of regions with large susceptibility and lack of signal. Magnetic Resonance in Medicine, 2018, 79, 3103-3113.	1.9	28
14	Investigating the role of functional imaging in the management of soft-tissue sarcomas of the extremities. Physics and Imaging in Radiation Oncology, 2018, 6, 53-60.	1.2	4
15	An extended reference region model for DCEâ€MRI that accounts for plasma volume. NMR in Biomedicine, 2018, 31, e3924.	1.6	8
16	Probabilistic classification of tumour habitats in soft tissue sarcoma. NMR in Biomedicine, 2018, 31, e4000.	1.6	6
17	Increased robustness in reference region model analysis of <scp>DCE MRI</scp> using twoâ€step constrained approaches. Magnetic Resonance in Medicine, 2017, 78, 1547-1557.	1.9	2
18	Field inhomogeneity correction for gradient echo myelin water fraction imaging. Magnetic Resonance in Medicine, 2017, 78, 49-57.	1.9	24

#	Article	IF	Citations
19	Biexponential longitudinal relaxation in white matter: Characterization and impact on T₁ mapping with IRâ€FSE and MP2RAGE. Magnetic Resonance in Medicine, 2016, 75, 2265-2277.	1.9	41
20	A 4D biomechanical lung phantom for joint segmentation/registration evaluation. Physics in Medicine and Biology, 2016, 61, 7012-7030.	1.6	10
21	Quantitative magnetization transfer imaging made easy with q<scp>MTL</scp>ab: Software for data simulation, analysis, and visualization. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2015, 44A, 263-277.	0.2	39
22	Accelerating parameter mapping with a locally low rank constraint. Magnetic Resonance in Medicine, 2015, 73, 655-661.	1.9	171
23	On the accuracy of T₁ mapping: Searching for common ground. Magnetic Resonance in Medicine, 2015, 73, 514-522.	1.9	204
24	MRIâ€based myelin water imaging: A technical review. Magnetic Resonance in Medicine, 2015, 73, 70-81.	1.9	219
25	Visualization of intra-thalamic nuclei with optimized white-matter-nulled MPRAGE at 7T. NeuroImage, 2014, 84, 534-545.	2.1	105
26	Iterative optimization method for design of quantitative magnetization transfer imaging experiments. Magnetic Resonance in Medicine, 2011, 66, 635-643.	1.9	11
27	Reproducibility of in vivo magnetic resonance imagingâ€“based measurement of myelin water. Journal of Magnetic Resonance Imaging, 2010, 32, 60-68.	1.9	41
28	Quantitative magnetization transfer and myelin water imaging of the evolution of acute multiple sclerosis lesions. Magnetic Resonance in Medicine, 2010, 63, 633-640.	1.9	101
29	Reproducibility of quantitative magnetizationâ€transfer imaging parameters from repeated measurements. Magnetic Resonance in Medicine, 2010, 64, 391-400.	1.9	27
30	Measuring Demyelination and Remyelination in Acute Multiple Sclerosis Lesion Voxels. Archives of Neurology, 2009, 66, 375-81.	4.9	51
31	Characterizing healthy and diseased white matter using quantitative magnetization transfer and multicomponent T₂ relaxometry: A unified view via a fourâ€pool model. Magnetic Resonance in Medicine, 2009, 62, 1487-1496.	1.9	73
32	Axonal injury in the cerebral normal-appearing white matter of patients with multiple sclerosis is related to concurrent demyelination in lesions but not to concurrent demyelination in normal-appearing white matter. NeuroImage, 2006, 29, 637-642.	2.1	59
33	The role of edema and demyelination in chronic T1 black holes: A quantitative magnetization transfer study. Journal of Magnetic Resonance Imaging, 2005, 21, 103-110.	1.9	55