

# Ives R Levesque

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,458  
citations

430874

18  
h-index

395702

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2497  
citing authors

#	ARTICLE	IF	CITATIONS
1	MRI-based myelin water imaging: A technical review. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 70-81.	3.0	219
2	On the accuracy of $T_1$ mapping: Searching for common ground. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 514-522.	3.0	204
3	Accelerating parameter mapping with a locally low rank constraint. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 655-661.	3.0	171
4	Visualization of intra-thalamic nuclei with optimized white-matter-nulled MPRAGE at 7T. <i>NeuroImage</i> , 2014, 84, 534-545.	4.2	105
5	Quantitative magnetization transfer and myelin water imaging of the evolution of acute multiple sclerosis lesions. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 633-640.	3.0	101
6	Characterizing healthy and diseased white matter using quantitative magnetization transfer and multicomponent $T_2$ relaxometry: A unified view via a four-pool model. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1487-1496.	3.0	73
7	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. <i>NeuroImage</i> , 2006, 29, 637-642.	4.2	59
8	The role of edema and demyelination in chronic T1 black holes: A quantitative magnetization transfer study. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 21, 103-110.	3.4	55
9	Measuring Demyelination and Remyelination in Acute Multiple Sclerosis Lesion Voxels. <i>Archives of Neurology</i> , 2009, 66, 375-81.	4.5	51
10	Multigradient-echo myelin water fraction imaging: Comparison to the multiecho-spin-echo technique. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1439-1446.	3.0	51
11	Reproducibility of <i>in vivo</i> magnetic resonance imaging-based measurement of myelin water. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 60-68.	3.4	41
12	Biexponential longitudinal relaxation in white matter: Characterization and impact on $T_1$ mapping with IR-FSE and MP2RAGE. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2265-2277.	3.0	41
13	Quantitative magnetization transfer imaging made easy with $q$ -MTL: Software for data simulation, analysis, and visualization. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2015, 44A, 263-277.	0.5	39
14	Creating Robust Predictive Radiomic Models for Data From Independent Institutions Using Normalization. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 210-215.	3.7	35
15	Development and Validation of Multiparametric MRI-based Radiomics Models for Preoperative Risk Stratification of Endometrial Cancer. <i>Radiology</i> , 2022, 305, 375-386.	7.3	30
16	Phase processing for quantitative susceptibility mapping of regions with large susceptibility and lack of signal. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 3103-3113.	3.0	28
17	Reproducibility of quantitative magnetization-transfer imaging parameters from repeated measurements. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 391-400.	3.0	27
18	Field inhomogeneity correction for gradient echo myelin water fraction imaging. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 49-57.	3.0	24

#	ARTICLE	IF	CITATIONS
19	Impact of magnetic susceptibility anisotropy at 3ÂT and 7ÂT on T2*-based myelin water fraction imaging. NeuroImage, 2018, 182, 370-378.	4.2	19
20	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.	3.7	16
21	Phantom-based quality assurance for multicenter quantitative MRI in locally advanced cervical cancer. Radiotherapy and Oncology, 2020, 153, 114-121.	0.6	15
22	Iterative optimization method for design of quantitative magnetization transfer imaging experiments. Magnetic Resonance in Medicine, 2011, 66, 635-643.	3.0	11
23	A 4D biomechanical lung phantom for joint segmentation/registration evaluation. Physics in Medicine and Biology, 2016, 61, 7012-7030.	3.0	10
24	An extended reference region model for DCEâ€MRI that accounts for plasma volume. NMR in Biomedicine, 2018, 31, e3924.	2.8	8
25	Probabilistic classification of tumour habitats in soft tissue sarcoma. NMR in Biomedicine, 2018, 31, e4000.	2.8	6
26	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.	2.9	4
27	New developments in MRI: System characterization, technical advances and radiotherapy applications. Physica Medica, 2021, 90, 50-52.	0.7	4
28	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.	3.0	3
29	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.	3.0	2
30	Modeling the primary source intensity distribution: reconstruction and inter-comparison of six Varian TrueBeam sources. Physics in Medicine and Biology, 2019, 64, 135005.	3.0	2
31	A role for magnetic susceptibility in synthetic computed tomography. Physica Medica, 2021, 85, 137-146.	0.7	2
32	Pharmacokinetic modeling of dynamic contrastâ€enhanced MRI using a reference region and input function tail. Magnetic Resonance in Medicine, 2020, 83, 286-298.	3.0	1
33	Longitudinal relaxation in fatâ€water mixtures and its dependence on fat content at 3ÂT. NMR in Biomedicine, 2021, , e4629.	2.8	1