

Mathieu Boudreau

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

846
citations

1040056

9
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

1561
citing authors

#	ARTICLE	IF	CITATIONS
1	On the open-source landscape of PLOS Computational Biology. PLoS Computational Biology, 2021, 17, e1008725.	3.2	9
2	A simple and robust method for automating analysis of naïve and regenerating peripheral nerves. PLoS ONE, 2021, 16, e0248323.	2.5	7
3	Editorial for “Rescan Repeatability and Impact of B ₀ and B ₁ Field Nonuniformity Corrections in Single-Point Whole-Brain Macromolecular Proton Fraction Mapping” Journal of Magnetic Resonance Imaging, 2020, 52, 954-955.	3.4	0
4	qMRLab: Quantitative MRI analysis, under one umbrella. Journal of Open Source Software, 2020, 5, 2343.	4.6	36
5	Quantitative T1 and T1 Mapping. Advances in Magnetic Resonance Technology and Applications, 2020, , 19-45.	0.1	4
6	Promise and pitfalls of g-ratio estimation with MRI. NeuroImage, 2018, 182, 80-96.	4.2	101
7	B ₁ -sensitivity analysis of quantitative magnetization transfer imaging. Magnetic Resonance in Medicine, 2018, 79, 276-285.	3.0	10
8	Sensitivity regularization of the Cram�r-Rao lower bound to minimize B ₁ nonuniformity effects in quantitative magnetization transfer imaging. Magnetic Resonance in Medicine, 2018, 80, 2560-2572.	3.0	7
9	B ₁ mapping for bias-correction in quantitative T ₁ imaging of the brain at 3T using standard pulse sequences. Journal of Magnetic Resonance Imaging, 2017, 46, 1673-1682.	3.4	53
10	Quantitative magnetization transfer imaging made easy with qMTlab: Software for data simulation, analysis, and visualization. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2015, 44A, 263-277.	0.5	39
11	In vivo histology of the myelin g-ratio with magnetic resonance imaging. NeuroImage, 2015, 118, 397-405.	4.2	256
12	Quantitative analysis of the myelin g-ratio from electron microscopy images of the macaque corpus callosum. Data in Brief, 2015, 4, 368-373.	1.0	56
13	On the accuracy of T ₁ mapping: Searching for common ground. Magnetic Resonance in Medicine, 2015, 73, 514-522.	3.0	204
14	Measurement of ¹²⁹ Xe gas apparent diffusion coefficient anisotropy in an elastase-instilled rat model of emphysema. Magnetic Resonance in Medicine, 2013, 69, 211-220.	3.0	31
15	Mapping of ³ He apparent diffusion coefficient anisotropy at sub-millisecond diffusion times in an elastase-instilled rat model of emphysema. Magnetic Resonance in Medicine, 2012, 67, 1146-1153.	3.0	19
16	Optical properties and electrochromic response of nanostructured molybdenum trioxide films. Journal of Materials Research, 2011, 26, 55-61.	2.6	9
17	Single-material multilayer with enhanced photoactivity. Applied Physics Letters, 2010, 97, 163104.	3.3	2