

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 | In vivo histology of the myelin g-ratio with magnetic resonance imaging. <i>NeuroImage</i> , 2015, 118, 397-405. | 4.2 | 256 |
| 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 | Promise and pitfalls of g-ratio estimation with MRI. <i>NeuroImage</i> , 2018, 182, 80-96. | 4.2 | 101 |
| 4 | Quantitative analysis of the myelin g-ratio from electron microscopy images of the macaque corpus callosum. <i>Data in Brief</i> , 2015, 4, 368-373. | 1.0 | 56 |
| 5 | T_1 mapping for bias correction in quantitative T_1 imaging of the brain at 3T using standard pulse sequences. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1673-1682. | 3.4 | 53 |
| 6 | Quantitative magnetization transfer imaging made easy with qMTlab: 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 |
| 7 | qMRLab: Quantitative MRI analysis, under one umbrella. <i>Journal of Open Source Software</i> , 2020, 5, 2343. | 4.6 | 36 |
| 8 | Measurement of ^{129}Xe gas apparent diffusion coefficient anisotropy in an elastase-instilled rat model of emphysema. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 211-220. | 3.0 | 31 |
| 9 | Mapping of ^3He apparent diffusion coefficient anisotropy at sub-millisecond diffusion times in an elastase-instilled rat model of emphysema. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1146-1153. | 3.0 | 19 |
| 10 | T_1 -sensitivity analysis of quantitative magnetization transfer imaging. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 276-285. | 3.0 | 10 |
| 11 | Optical properties and electrochromic response of nanostructured molybdenum trioxide films. <i>Journal of Materials Research</i> , 2011, 26, 55-61. | 2.6 | 9 |
| 12 | On the open-source landscape of PLOS Computational Biology. <i>PLoS Computational Biology</i> , 2021, 17, e1008725. | 3.2 | 9 |
| 13 | Sensitivity regularization of the Cramér-Rao lower bound to minimize T_1 nonuniformity effects in quantitative magnetization transfer imaging. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2560-2572. | 3.0 | 7 |
| 14 | A simple and robust method for automating analysis of naïve and regenerating peripheral nerves. <i>PLoS ONE</i> , 2021, 16, e0248323. | 2.5 | 7 |
| 15 | Quantitative T_1 and T_1 Mapping. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2020, , 19-45. | 0.1 | 4 |
| 16 | Single-material multilayer with enhanced photoactivity. <i>Applied Physics Letters</i> , 2010, 97, 163104. | 3.3 | 2 |
| 17 | Editorial for "Rescan Repeatability and Impact of B_0 and B_1 Field Nonuniformity Corrections in Single-Point Whole-Brain Macromolecular Proton Fraction Mapping". <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 954-955. | 3.4 | 0 |