Dan Benjamini

List of Publications by Year
in descending order

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30 papers	787 citations	566801 15 h-index	580395 25 g-index
36 all docs	36 docs citations	36 times ranked	573 citing authors

#	Article	IF	Citations
1	Diffuse axonal injury has a characteristic multidimensional MRI signature in the human brain. Brain, 2021, 144, 800-816.	3.7	50
2	Combined diffusionâ€relaxometry microstructure imaging: Current status and future prospects. Magnetic Resonance in Medicine, 2021, 86, 2987-3011.	1.9	46
3	Multidimensional MRI for Characterization of Subtle Axonal Injury Accelerated Using an Adaptive Nonlocal Multispectral Filter. Frontiers in Physics, 2021, 9, .	1.0	9
4	Connectome 2.0: Developing the next-generation ultra-high gradient strength human MRI scanner for bridging studies of the micro-, meso- and macro-connectome. NeuroImage, 2021, 243, 118530.	2.1	58
5	Multidimensional correlation MRI. NMR in Biomedicine, 2020, 33, e4226.	1.6	36
6	Limits to flow detection in phase contrast MRI. Journal of Magnetic Resonance Open, 2020, 2-3, 100004.	0.5	12
7	Direct and specific assessment of axonal injury and spinal cord microenvironments using diffusion correlation imaging. NeuroImage, 2020, 221, 117195.	2.1	16
8	Real-time measurement of diffusion exchange rate in biological tissue. Journal of Magnetic Resonance, 2020, 317, 106782.	1.2	11
9	Retaining information from multidimensional correlation MRI using a spectral regions of interest generator. Scientific Reports, 2020, 10, 3246.	1.6	22
10	Chapter 10. Nonparametric Inversion of Relaxation and Diffusion Correlation Data. New Developments in NMR, 2020, , 278-316.	0.1	7
11	Generalized Mean Apparent Propagator MRI to Measure and Image Advective and Dispersive Flows in Medicine and Biology. IEEE Transactions on Medical Imaging, 2019, 38, 11-20.	5.4	7
12	Water mobility spectral imaging of the spinal cord: Parametrization of model-free Laplace MRI. Magnetic Resonance Imaging, 2019, 56, 187-193.	1.0	19
13	A novel MRI phantom to study interstitial fluid transport in the glymphatic system. Magnetic Resonance Imaging, 2019, 56, 181-186.	1.0	12
14	Magnetic resonance measurements of cellular and sub-cellular membrane structures in live and fixed neural tissue. ELife, 2019, 8, .	2.8	40
15	Towards clinically feasible relaxation-diffusion correlation MRI using MADCO. Microporous and Mesoporous Materials, 2018, 269, 93-96.	2.2	26
16	Using double pulsed-field gradient MRI to study tissue microstructure in traumatic brain injury (TBI). Microporous and Mesoporous Materials, 2018, 269, 156-159.	2.2	15
17	Rapid detection of the presence of diffusion exchange. Journal of Magnetic Resonance, 2018, 297, 17-22.	1.2	20
18	Anisotropic phantom to calibrate high-q diffusion MRI methods. Journal of Magnetic Resonance, 2017, 275, 19-28.	1.2	16

#	Article	IF	Citations
19	Magnetic resonance microdynamic imaging reveals distinct tissue microenvironments. NeuroImage, 2017, 163, 183-196.	2.1	52
20	Imaging Local Diffusive Dynamics Using Diffusion Exchange Spectroscopy MRI. Physical Review Letters, 2017, 118, 158003.	2.9	38
21	Fast, accurate 2D-MR relaxation exchange spectroscopy (REXSY): Beyond compressed sensing. Journal of Chemical Physics, 2016, 145, 154202.	1.2	19
22	White matter microstructure from nonparametric axon diameter distribution mapping. NeuroImage, 2016, 135, 333-344.	2.1	64
23	Use of marginal distributions constrained optimization (MADCO) for accelerated 2D MRI relaxometry and diffusometry. Journal of Magnetic Resonance, 2016, 271, 40-45.	1.2	89
24	Assessment of Functional Properties of Cartilage using Double Quantum Filtered MRI. Materials Research Society Symposia Proceedings, 2014, 1622, 41-48.	0.1	0
25	Joint radius-length distribution as a measure of anisotropic pore eccentricity: An experimental and analytical framework. Journal of Chemical Physics, 2014, 141, 214202.	1.2	16
26	Pore size distribution of bioresorbable films using a 3-D diffusion NMR method. Acta Biomaterialia, 2014, 10, 2762-2768.	4.1	21
27	Nonparametric pore size distribution using d-PFG: Comparison to s-PFG and migration to MRI. Journal of Magnetic Resonance, 2014, 246, 36-45.	1.2	34
28	Estimation of pore size distribution using concentric double pulsed-field gradient NMR. Journal of Magnetic Resonance, 2013, 230, 198-204.	1.2	16
29	A proposed 2D framework for estimation of pore size distribution by double pulsed field gradient NMR. Journal of Chemical Physics, 2012, 137, 224201.	1.2	15
30	Editorial: Capturing Biological Complexity and Heterogeneity Using Multidimensional MRI. Frontiers in Physics, 0, 10, .	1.0	0