

Mustafa Okan Irfanoglu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,931
citations

687220

13
h-index

752573

20
g-index

23
all docs

23
docs citations

23
times ranked

2932
citing authors

#	ARTICLE	IF	CITATIONS
1	What's new and what's next in diffusion MRI preprocessing. <i>NeuroImage</i> , 2022, 249, 118830.	2.1	43
2	Improved reproducibility of diffusion MRI of the human brain with a four-way blip-up and down phase-encoding acquisition approach. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2696-2708.	1.9	5
3	Mapping gradient nonlinearity and miscalibration using diffusion-weighted MR images of a uniform isotropic phantom. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 3259-3273.	1.9	8
4	Hypoplasia of cerebellar afferent networks in Down syndrome revealed by DTI-driven tensor based morphometry. <i>Scientific Reports</i> , 2020, 10, 5447.	1.6	13
5	Evaluating corrections for Eddy currents and other EPI distortions in diffusion MRI: methodology and a dataset for benchmarking. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2774-2787.	1.9	31
6	Limits to anatomical accuracy of diffusion tractography using modern approaches. <i>NeuroImage</i> , 2019, 185, 1-11.	2.1	200
7	Tensor-based morphometry using scalar and directional information of diffusion tensor MRI data (DTBM): Application to hereditary spastic paraplegia. <i>Human Brain Mapping</i> , 2018, 39, 4643-4651.	1.9	12
8	Analysis of the effects of noise, DWI sampling, and value of assumed parameters in diffusion MRI models. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1767-1780.	1.9	63
9	Harmonization of methods to facilitate reproducibility in medical data processing: Applications to diffusion tensor magnetic resonance imaging. , 2016, , .		6
10	DR-TAMAS: Diffeomorphic Registration for Tensor Accurate Alignment of Anatomical Structures. <i>NeuroImage</i> , 2016, 132, 439-454.	2.1	55
11	The diffusion tensor imaging (DTI) component of the NIH MRI study of normal brain development (PedsDTI). <i>NeuroImage</i> , 2016, 124, 1125-1130.	2.1	32
12	Tract Orientation and Angular Dispersion Deviation Indicator (TOADDI): A framework for single-subject analysis in diffusion tensor imaging. <i>NeuroImage</i> , 2016, 126, 151-163.	2.1	3
13	Clinical feasibility of using mean apparent propagator (MAP) MRI to characterize brain tissue microstructure. <i>NeuroImage</i> , 2016, 127, 422-434.	2.1	101
14	Analysis of the contribution of experimental bias, experimental noise, and inter-subject biological variability on the assessment of developmental trajectories in diffusion MRI studies of the brain. <i>NeuroImage</i> , 2015, 109, 480-492.	2.1	16
15	DR-BUDDI (Diffeomorphic Registration for Blip-Up blip-Down Diffusion Imaging) method for correcting echo planar imaging distortions. <i>NeuroImage</i> , 2015, 106, 284-299.	2.1	144
16	Anatomical accuracy of brain connections derived from diffusion MRI tractography is inherently limited. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16574-16579.	3.3	657
17	DR-BUDDI: Diffeomorphic Registration for Blip Up-Down Diffusion Imaging. <i>Lecture Notes in Computer Science</i> , 2014, 17, 218-226.	1.0	9
18	Mean apparent propagator (MAP) MRI: A novel diffusion imaging method for mapping tissue microstructure. <i>NeuroImage</i> , 2013, 78, 16-32.	2.1	320

#	ARTICLE	IF	CITATIONS
19	Effects of image distortions originating from susceptibility variations and concomitant fields on diffusion MRI tractography results. <i>NeuroImage</i> , 2012, 61, 275-288.	2.1	195
20	Diffusion Tensor Field Registration in the Presence of Uncertainty. <i>Lecture Notes in Computer Science</i> , 2009, 12, 181-189.	1.0	3
21	Automatic Deformable Diffusion Tensor Registration for Fiber Population Analysis. <i>Lecture Notes in Computer Science</i> , 2008, 11, 1014-1022.	1.0	13