Eleftherios Garyfallidis

List of Publications by Year
in descending order

25 papers	3,336 citations	643344 15 h-index	685536 24 g-index
31 all docs	31 docs citations	31 times ranked	4380 citing authors

#	Article	IF	Citations
1	Learning white matter subject‐specific segmentation from structural MRI. Medical Physics, 2022, , .	1.6	4
2	What's new and what's next in diffusion MRI preprocessing. NeuroImage, 2022, 249, 118830.	2.1	43
3	Pandora: 4-D White Matter Bundle Population-Based Atlases Derived from Diffusion MRI Fiber Tractography. Neuroinformatics, 2021, 19, 447-460.	1.5	15
4	The sensitivity of diffusion MRI to microstructural properties and experimental factors. Journal of Neuroscience Methods, 2021, 347, 108951.	1.3	53
5	QSIPrep: an integrative platform for preprocessing and reconstructing diffusion MRI data. Nature Methods, 2021, 18, 775-778.	9.0	127
6	MASiVar: Multisite, multiscanner, and multisubject acquisitions for studying variability in diffusion weighted MRI. Magnetic Resonance in Medicine, 2021, 86, 3304-3320.	1.9	16
7	Diffusional Kurtosis Imaging in the Diffusion Imaging in Python Project. Frontiers in Human Neuroscience, 2021, 15, 675433.	1.0	34
8	FURY: advanced scientific visualization. Journal of Open Source Software, 2021, 6, 3384.	2.0	5
9	On the generalizability of diffusion MRI signal representations across acquisition parameters, sequences and tissue types: Chronicles of the MEMENTO challenge. NeuroImage, 2021, 240, 118367.	2.1	10
10	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. NeuroImage, 2021, 243, 118502.	2.1	94
11	Evaluating the Reliability of Human Brain White Matter Tractometry. , 2021, 2021, .		27
12	Bifurcated Topological Optimization for IVIM. Frontiers in Neuroscience, 2021, 15, 779025.	1.4	2
13	Bundle analytics, a computational framework for investigating the shapes and profiles of brain pathways across populations. Scientific Reports, 2020, 10, 17149.	1.6	57
14	Segmentation of the brain using direction-averaged signal of DWI images. Magnetic Resonance Imaging, 2020, 69, 1-7.	1.0	17
15	The open diffusion data derivatives, brain data upcycling via integrated publishing of derivatives and reproducible open cloud services. Scientific Data, 2019, 6, 69.	2.4	69
16	Identifying Vulnerable Brain Networks in Mouse Models of Genetic Risk Factors for Late Onset Alzheimer's Disease. Frontiers in Neuroinformatics, 2019, 13, 72.	1.3	24
17	Recognition of white matter bundles using local and global streamline-based registration and clustering. NeuroImage, 2018, 170, 283-295.	2.1	205
18	A test-retest study on Parkinson's PPMI dataset yields statistically significant white matter fascicles. NeuroImage: Clinical, 2017, 16, 222-233.	1.4	119

#	Article	IF	Citations
19	The challenge of mapping the human connectome based on diffusion tractography. Nature Communications, 2017, 8, 1349.	5.8	956
20	Semi-Automatic Segmentation of Optic Radiations and LGN, and Their Relationship to EEG Alpha Waves. PLoS ONE, 2016, 11, e0156436.	1.1	15
21	Robust and efficient linear registration of white-matter fascicles in the space of streamlines. NeuroImage, 2015, 117, 124-140.	2.1	67
22	Tractome: a visual data mining tool for brain connectivity analysis. Data Mining and Knowledge Discovery, 2015, 29, 1258-1279.	2.4	16
23	Dipy, a library for the analysis of diffusion MRI data. Frontiers in Neuroinformatics, 2014, 8, 8.	1.3	891
24	Tractometer: Towards validation of tractography pipelines. Medical Image Analysis, 2013, 17, 844-857.	7.0	188
25	QuickBundles, a Method for Tractography Simplification. Frontiers in Neuroscience, 2012, 6, 175.	1.4	226