Chun-Hung Yeh

List of Publications by Year
in descending order

29 papers	2,997 citations	566801 15 h-index	552369 26 g-index
33 all docs	33 docs citations	33 times ranked	3889 citing authors

#	Article	IF	Citations
1	MRtrix3: A fast, flexible and open software framework for medical image processing and visualisation. NeuroImage, 2019, 202, 116137.	2.1	1,555
2	Resolving crossing fibres using constrained spherical deconvolution: Validation using diffusion-weighted imaging phantom data. NeuroImage, 2008, 42, 617-625.	2.1	524
3	Probabilistic topography of human corpus callosum using cytoarchitectural parcellation and high angular resolution diffusion imaging tractography. Human Brain Mapping, 2009, 30, 3172-3187.	1.9	161
4	Mapping Structural Connectivity Using Diffusion <scp>MRI</scp>: Challenges and Opportunities. Journal of Magnetic Resonance Imaging, 2021, 53, 1666-1682.	1.9	95
5	Quantitative mapping of the brain's structural connectivity using diffusion MRI tractography: A review. NeuroImage, 2022, 249, 118870.	2.1	95
6	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. NeuroImage, 2021, 243, 118502.	2.1	94
7	Correction for diffusion MRI fibre tracking biases: The consequences for structural connectomic metrics. NeuroImage, 2016, 142, 150-162.	2.1	65
8	Is removal of weak connections necessary for graph-theoretical analysis of dense weighted structural connectomes from diffusion MRI?. NeuroImage, 2019, 194, 68-81.	2.1	64
9	Diffusion Microscopist Simulator: A General Monte Carlo Simulation System for Diffusion Magnetic Resonance Imaging. PLoS ONE, 2013, 8, e76626.	1.1	46
10	Evaluation of the accuracy and angular resolution of q-ball imaging. NeuroImage, 2008, 42, 262-271.	2.1	41
11	Connectomes from streamlines tractography: Assigning streamlines to brain parcellations is not trivial but highly consequential. NeuroImage, 2019, 199, 160-171.	2.1	31
12	Diffusion orientation transform revisited. NeuroImage, 2010, 49, 1326-1339.	2.1	29
13	Diffusion MRI tractography for neurosurgery: the basics, current state, technical reliability and challenges. Physics in Medicine and Biology, 2021, 66, 15TR01.	1.6	25
14	A multiple streamline approach to high angular resolution diffusion tractography. Medical Engineering and Physics, 2008, 30, 989-996.	0.8	23
15	The effect of finite diffusion gradient pulse duration on fibre orientation estimation in diffusion MRI. NeuroImage, 2010, 51, 743-751.	2.1	22
16	Reduced Encoding Diffusion Spectrum Imaging Implemented With a Bi-Gaussian Model. IEEE Transactions on Medical Imaging, 2008, 27, 1415-1424.	5.4	16
17	Longitudinal fixel-based analysis reveals restoration of white matter alterations following balance training in young brain-injured patients. NeuroImage: Clinical, 2021, 30, 102621.	1.4	12
18	Optic Radiation Tractography in Pediatric Brain Surgery Applications: A Reliability and Agreement Assessment of the Tractography Method. Frontiers in Neuroscience, 2019, 13, 1254.	1.4	9

#	Article	IF	Citations
19	Structural Connectivity Remote From Lesions Correlates With Somatosensory Outcome Poststroke. Stroke, 2021, 52, 2910-2920.	1.0	9
20	Potential in reducing scan times of HARDI by accurate correction of the cross‐term in a hemispherical encoding scheme. Journal of Magnetic Resonance Imaging, 2009, 29, 1386-1394.	1.9	8
21	Robust Identification of Rich-Club Organization in Weighted and Dense Structural Connectomes. Brain Topography, 2019, 32, 1-16.	0.8	6
22	Predicting Post-Stroke Somatosensory Function from Resting-State Functional Connectivity: A Feasibility Study. Brain Sciences, 2021, 11, 1388.	1.1	5
23	White matter microstructural and morphometric alterations in autism: implications for intellectual capabilities. Molecular Autism, 2022, 13, 21.	2.6	5
24	Probabilistic Anatomical Connection Derived from QBI with MFACT Approach. , 2007, , .		4
25	A Novel Method for Extracting Hierarchical Functional Subnetworks Based on a Multisubject Spectral Clustering Approach. Brain Connectivity, 2019, 9, 399-414.	0.8	2
26	The Development of Brain Connectivity Browser by Tractography of QBI. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2094-7.	0.5	1
27	Mapping Structural Connectivity Using Diffusion <scp>MRI</scp>: Challenges and Opportunities. Journal of Magnetic Resonance Imaging, 2021, 53, .	1.9	1
28	Editorial for â€œGadolinium Clearance in the First 5â€°Weeks After Repeated Intravenous Administration of Gadoteridol, Gadoterate Meglumine and Gadobutrol to ratsâ€• Journal of Magnetic Resonance Imaging, 2021, 54, 1645-1646.	1.9	1
29	Estimation of fiber orientation by filtered q-ball imaging*. , 2013, 2013, 519-22.		0