Timothy S Coalson

List of Publications by Year
in descending order

25	11,876	304743 22	580821 25
papers	citations	h-index	g-index

30	30	30	11092
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The minimal preprocessing pipelines for the Human Connectome Project. NeuroImage, 2013, 80, 105-124.	4.2	4,042
2	A multi-modal parcellation of human cerebral cortex. Nature, 2016, 536, 171-178.	27.8	3,634
3	The Human Connectome Project's neuroimaging approach. Nature Neuroscience, 2016, 19, 1175-1187.	14.8	825
4	Parcellations and Hemispheric Asymmetries of Human Cerebral Cortex Analyzed on Surface-Based Atlases. Cerebral Cortex, 2012, 22, 2241-2262.	2.9	561
5	Using Diffusion Tractography to Predict Cortical Connection Strength and Distance: A Quantitative Comparison with Tracers in the Monkey. Journal of Neuroscience, 2016, 36, 6758-6770.	3.6	318
6	Extending the Human Connectome Project across ages: Imaging protocols for the Lifespan Development and Aging projects. NeuroImage, 2018, 183, 972-984.	4.2	290
7	A Surface-Based Analysis of Hemispheric Asymmetries and Folding of Cerebral Cortex in Term-Born Human Infants. Journal of Neuroscience, 2010, 30, 2268-2276.	3.6	285
8	The impact of traditional neuroimaging methods on the spatial localization of cortical areas. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6356-E6365.	7.1	255
9	Using temporal ICA to selectively remove global noise while preserving global signal in functional MRI data. NeuroImage, 2018, 181, 692-717.	4.2	223
10	Multimodal surface matching with higher-order smoothness constraints. NeuroImage, 2018, 167, 453-465.	4.2	219
11	Neurite imaging reveals microstructural variations in human cerebral cortical gray matter. NeuroImage, 2018, 182, 488-499.	4.2	164
12	The Human Connectome Project 7 Tesla retinotopy dataset: Description and population receptive field analysis. Journal of Vision, 2018, 18, 23.	0.3	139
13	Cerebral cortical folding, parcellation, and connectivity in humans, nonhuman primates, and mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26173-26180.	7.1	130
14	Correspondences between retinotopic areas and myelin maps in human visual cortex. NeuroImage, 2014, 99, 509-524.	4.2	117
15	Tradeoffs in pushing the spatial resolution of fMRI for the 7T Human Connectome Project. NeuroImage, 2017, 154, 23-32.	4.2	117
16	Ciftify: A framework for surface-based analysis of legacy MR acquisitions. NeuroImage, 2019, 197, 818-826.	4.2	101
17	Dynamic patterns of cortical expansion during folding of the preterm human brain. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3156-3161.	7.1	94
18	Construction of a neonatal cortical surface atlas using Multimodal Surface Matching in the Developing Human Connectome Project. NeuroImage, 2018, 179, 11-29.	4.2	83

#	Article	IF	Citations
19	The Brain Analysis Library of Spatial maps and Atlases (BALSA) database. NeuroImage, 2017, 144, 270-274.	4.2	69
20	Towards HCP-Style macaque connectomes: 24-Channel 3T multi-array coil, MRI sequences and preprocessing. NeuroImage, 2020, 215, 116800.	4.2	67
21	Analysis of Cortical Shape in Children with Simplex Autism. Cerebral Cortex, 2015, 25, 1042-1051.	2.9	44
22	Classification of temporal ICA components for separating global noise from fMRI data: Reply to Power. NeuroImage, 2019, 197, 435-438.	4.2	40
23	Empirical transmit field bias correction of T1w/T2w myelin maps. NeuroImage, 2022, 258, 119360.	4.2	20
24	Automated landmark identification for human cortical surface-based registration. NeuroImage, 2012, 59, 2539-2547.	4.2	11
25	Toblerone: Surface-Based Partial Volume Estimation. IEEE Transactions on Medical Imaging, 2020, 39, 1501-1510.	8.9	7