

Timothy S Coalson

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

11,876
citations

304602

22
h-index

580701

25
g-index

30
all docs

30
docs citations

30
times ranked

11092
citing authors

#	ARTICLE	IF	CITATIONS
1	The minimal preprocessing pipelines for the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 105-124.	2.1	4,042
2	A multi-modal parcellation of human cerebral cortex. <i>Nature</i> , 2016, 536, 171-178.	13.7	3,634
3	The Human Connectome Project's neuroimaging approach. <i>Nature Neuroscience</i> , 2016, 19, 1175-1187.	7.1	825
4	Parcellations and Hemispheric Asymmetries of Human Cerebral Cortex Analyzed on Surface-Based Atlases. <i>Cerebral Cortex</i> , 2012, 22, 2241-2262.	1.6	561
5	Using Diffusion Tractography to Predict Cortical Connection Strength and Distance: A Quantitative Comparison with Tracers in the Monkey. <i>Journal of Neuroscience</i> , 2016, 36, 6758-6770.	1.7	318
6	Extending the Human Connectome Project across ages: Imaging protocols for the Lifespan Development and Aging projects. <i>NeuroImage</i> , 2018, 183, 972-984.	2.1	290
7	A Surface-Based Analysis of Hemispheric Asymmetries and Folding of Cerebral Cortex in Term-Born Human Infants. <i>Journal of Neuroscience</i> , 2010, 30, 2268-2276.	1.7	285
8	The impact of traditional neuroimaging methods on the spatial localization of cortical areas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6356-E6365.	3.3	255
9	Using temporal ICA to selectively remove global noise while preserving global signal in functional MRI data. <i>NeuroImage</i> , 2018, 181, 692-717.	2.1	223
10	Multimodal surface matching with higher-order smoothness constraints. <i>NeuroImage</i> , 2018, 167, 453-465.	2.1	219
11	Neurite imaging reveals microstructural variations in human cerebral cortical gray matter. <i>NeuroImage</i> , 2018, 182, 488-499.	2.1	164
12	The Human Connectome Project 7 Tesla retinotopy dataset: Description and population receptive field analysis. <i>Journal of Vision</i> , 2018, 18, 23.	0.1	139
13	Cerebral cortical folding, parcellation, and connectivity in humans, nonhuman primates, and mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26173-26180.	3.3	130
14	Correspondences between retinotopic areas and myelin maps in human visual cortex. <i>NeuroImage</i> , 2014, 99, 509-524.	2.1	117
15	Tradeoffs in pushing the spatial resolution of fMRI for the 7T Human Connectome Project. <i>NeuroImage</i> , 2017, 154, 23-32.	2.1	117
16	Ciftify: A framework for surface-based analysis of legacy MR acquisitions. <i>NeuroImage</i> , 2019, 197, 818-826.	2.1	101
17	Dynamic patterns of cortical expansion during folding of the preterm human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3156-3161.	3.3	94
18	Construction of a neonatal cortical surface atlas using Multimodal Surface Matching in the Developing Human Connectome Project. <i>NeuroImage</i> , 2018, 179, 11-29.	2.1	83

#	ARTICLE	IF	CITATIONS
19	The Brain Analysis Library of Spatial maps and Atlases (BALSA) database. NeuroImage, 2017, 144, 270-274.	2.1	69
20	Towards HCP-Style macaque connectomes: 24-Channel 3T multi-array coil, MRI sequences and preprocessing. NeuroImage, 2020, 215, 116800.	2.1	67
21	Analysis of Cortical Shape in Children with Simplex Autism. Cerebral Cortex, 2015, 25, 1042-1051.	1.6	44
22	Classification of temporal ICA components for separating global noise from fMRI data: Reply to Power. NeuroImage, 2019, 197, 435-438.	2.1	40
23	Empirical transmit field bias correction of T1w/T2w myelin maps. NeuroImage, 2022, 258, 119360.	2.1	20
24	Automated landmark identification for human cortical surface-based registration. NeuroImage, 2012, 59, 2539-2547.	2.1	11
25	Toblerone: Surface-Based Partial Volume Estimation. IEEE Transactions on Medical Imaging, 2020, 39, 1501-1510.	5.4	7