

Philip A Cook

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

7,082
citations

22
h-index

40
g-index

40
ext. papers

10,364
ext. citations

7.9
avg, IF

5.65
L-index

#	Paper	IF	Citations
39	N4ITK: improved N3 bias correction. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 1310-20	11.7	2457
38	A reproducible evaluation of ANTs similarity metric performance in brain image registration. <i>NeuroImage</i> , 2011 , 54, 2033-44	7.9	2213
37	Large-scale evaluation of ANTs and FreeSurfer cortical thickness measurements. <i>NeuroImage</i> , 2014 , 99, 166-79	7.9	350
36	An open source multivariate framework for n-tissue segmentation with evaluation on public data. <i>Neuroinformatics</i> , 2011 , 9, 381-400	3.2	340
35	Harmonization of cortical thickness measurements across scanners and sites. <i>NeuroImage</i> , 2018 , 167, 104-120	7.9	286
34	Modular Segregation of Structural Brain Networks Supports the Development of Executive Function in Youth. <i>Current Biology</i> , 2017 , 27, 1561-1572.e8	6.3	178
33	Linked dimensions of psychopathology and connectivity in functional brain networks. <i>Nature Communications</i> , 2018 , 9, 3003	17.4	169
32	Dementia induces correlated reductions in white matter integrity and cortical thickness: a multivariate neuroimaging study with sparse canonical correlation analysis. <i>NeuroImage</i> , 2010 , 50, 1004-1018	7.9	140
31	Quantitative assessment of structural image quality. <i>NeuroImage</i> , 2018 , 169, 407-418	7.9	129
30	Statistical harmonization corrects site effects in functional connectivity measurements from multi-site fMRI data. <i>Human Brain Mapping</i> , 2018 , 39, 4213-4227	5.9	117
29	Development of structure-function coupling in human brain networks during youth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 771-778	11.5	97
28	Mitigating head motion artifact in functional connectivity MRI. <i>Nature Protocols</i> , 2018 , 13, 2801-2826	18.8	84
27	Childhood trauma history is linked to abnormal brain connectivity in major depression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 8582-8590	11.5	66
26	The impact of in-scanner head motion on structural connectivity derived from diffusion MRI. <i>NeuroImage</i> , 2018 , 173, 275-286	7.9	57
25	Cognitive behavioral therapy increases amygdala connectivity with the cognitive control network in both MDD and PTSD. <i>NeuroImage: Clinical</i> , 2017 , 14, 464-470	5.3	54
24	Plasticity of the human visual system after retinal gene therapy in patients with Leber's congenital amaurosis. <i>Science Translational Medicine</i> , 2015 , 7, 296ra110	17.5	39
23	Genetic and neuroanatomic associations in sporadic frontotemporal lobar degeneration. <i>Neurobiology of Aging</i> , 2014 , 35, 1473-82	5.6	38

22	Longitudinal ComBat: A method for harmonizing longitudinal multi-scanner imaging data. <i>NeuroImage</i> , 2020 , 220, 117129	7.9	32
21	Leveraging multi-shell diffusion for studies of brain development in youth and young adulthood. <i>Developmental Cognitive Neuroscience</i> , 2020 , 43, 100788	5.5	27
20	Diminished Cortical Thickness Is Associated with Impulsive Choice in Adolescence. <i>Journal of Neuroscience</i> , 2018 , 38, 2471-2481	6.6	26
19	Reproducibility of graph metrics of human brain structural networks. <i>Frontiers in Neuroinformatics</i> , 2014 , 8, 46	3.9	26
18	Cognitive Behavioral Therapy Is Associated With Enhanced Cognitive Control Network Activity in Major Depression and Posttraumatic Stress Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018 , 3, 311-319	3.4	23
17	Relating brain anatomy and cognitive ability using a multivariate multimodal framework. <i>NeuroImage</i> , 2014 , 99, 477-86	7.9	21
16	Longitudinal progression of grey matter atrophy in non-amnesic Alzheimer's disease. <i>Brain</i> , 2019 , 142, 1701-1722	11.2	18
15	Longitudinal structural gray matter and white matter MRI changes in presymptomatic progranulin mutation carriers. <i>NeuroImage: Clinical</i> , 2018 , 19, 497-506	5.3	16
14	A Retrospective Study of Predictors of Return to Duty versus Medical Retirement in an Active Duty Military Population with Blast-Related Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018 , 35, 991-1002	5.4	14
13	Longitudinal Mapping of Cortical Thickness Measurements: An Alzheimer's Disease Neuroimaging Initiative-Based Evaluation Study. <i>Journal of Alzheimer's Disease</i> , 2019 , 71, 165-183	4.3	13
12	Accelerated cortical thinning within structural brain networks is associated with irritability in youth. <i>Neuropsychopharmacology</i> , 2019 , 44, 2254-2262	8.7	12
11	Transdiagnostic dimensions of psychopathology explain individuals' unique deviations from normative neurodevelopment in brain structure. <i>Translational Psychiatry</i> , 2021 , 11, 232	8.6	9
10	The ANTsX ecosystem for quantitative biological and medical imaging. <i>Scientific Reports</i> , 2021 , 11, 9068	4.9	9
9	Atlas-guided probabilistic diffusion-tensor fiber tractography 2008 ,		4
8	Structural brain measures linked to clinical phenotypes in major depression replicate across clinical centres. <i>Molecular Psychiatry</i> , 2021 , 26, 2764-2775	15.1	4
7	Dimensional connectomics of anxious misery, a human connectome study related to human disease: Overview of protocol and data quality. <i>NeuroImage: Clinical</i> , 2020 , 28, 102489	5.3	3
6	Machine learning suggests polygenic risk for cognitive dysfunction in amyotrophic lateral sclerosis. <i>EMBO Molecular Medicine</i> , 2021 , 13, e12595	12	3
5	Mitigating site effects in covariance for machine learning in neuroimaging data.. <i>Human Brain Mapping</i> , 2021 ,	5.9	3

4	Longitudinal ComBat: A Method for Harmonizing Longitudinal Multi-scanner Imaging Data	2
3	Machine learning suggests polygenic contribution to cognitive dysfunction in amyotrophic lateral sclerosis	1
2	FlywheelTools: Data Curation and Manipulation on the Flywheel Platform. <i>Frontiers in Neuroinformatics</i> , 2021 , 15, 678403	3.9 1
1	Phases of volume loss in patients with known frontotemporal lobar degeneration spectrum pathology.. <i>Neurobiology of Aging</i> , 2022 , 113, 95-107	5.6 0