

R Cameron Craddock

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

14,993
citations

57758

44
h-index

56724

83
g-index

114
all docs

114
docs citations

114
times ranked

16381
citing authors

#	ARTICLE	IF	CITATIONS
1	The <scp>ENIGMA</scp> Stroke Recovery Working Group: Big data neuroimaging to study brain-behavior relationships after stroke. <i>Human Brain Mapping</i> , 2022, 43, 129-148.	3.6	54
2	Deep learning-based pancreas volume assessment in individuals with type 1 diabetes. <i>BMC Medical Imaging</i> , 2022, 22, 5.	2.7	3
3	A longitudinal resource for studying connectome development and its psychiatric associations during childhood. <i>Scientific Data</i> , 2022, 9, .	5.3	18
4	Predicting future cognitive decline from non-brain and multimodal brain imaging data in healthy and pathological aging. <i>Neurobiology of Aging</i> , 2022, 118, 55-65.	3.1	7
5	Is it time to switch your T1W sequence? Assessing the impact of prospective motion correction on the reliability and quality of structural imaging. <i>NeuroImage</i> , 2021, 226, 117585.	4.2	16
6	Improving prediction of real-time loneliness and companionship type using geosocial features of personal smartphone data. <i>Smart Health</i> , 2021, 20, 100180.	3.2	24
7	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. <i>Neuron</i> , 2021, 109, 1769-1775.	8.1	27
8	Multi-modal data collection for measuring health, behavior, and living environment of large-scale participant cohorts. <i>GigaScience</i> , 2021, 10, .	6.4	14
9	U-net model for brain extraction: Trained on humans for transfer to non-human primates. <i>NeuroImage</i> , 2021, 235, 118001.	4.2	42
10	Development of a standardized MRI protocol for pancreas assessment in humans. <i>PLoS ONE</i> , 2021, 16, e0256029.	2.5	9
11	Predictors of real-time fMRI neurofeedback performance and improvement – A machine learning mega-analysis. <i>NeuroImage</i> , 2021, 237, 118207.	4.2	22
12	Centering inclusivity in the design of online conferences – An OHBM – Open Science perspective. <i>GigaScience</i> , 2021, 10, .	6.4	14
13	Eliminating accidental deviations to minimize generalization error and maximize replicability: Applications in connectomics and genomics. <i>PLoS Computational Biology</i> , 2021, 17, e1009279.	3.2	28
14	Smaller spared subcortical nuclei are associated with worse post-stroke sensorimotor outcomes in 28 cohorts worldwide. <i>Brain Communications</i> , 2021, 3, fcab254.	3.3	7
15	Exploring Post COVID-19 Outbreak Intradaily Mobility Pattern Change in College Students: A GPS-Focused Smartphone Sensing Study. <i>Frontiers in Digital Health</i> , 2021, 3, 765972.	2.8	4
16	Evaluating fMRI-Based Estimation of Eye Gaze During Naturalistic Viewing. <i>Cerebral Cortex</i> , 2020, 30, 1171-1184.	2.9	24
17	Can we predict real-time <scp>fMRI</scp> neurofeedback learning success from pretraining brain activity?. <i>Human Brain Mapping</i> , 2020, 41, 3839-3854.	3.6	27
18	A large, open source dataset of stroke anatomical brain images and manual lesion segmentations. <i>Scientific Data</i> , 2018, 5, 180011.	5.3	170

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19	Delineating the Macroscale Areal Organization of the Macaque Cortex In Vivo. Cell Reports, 2018, 23, 429-441.	6.4	42
20	Quantitative assessment of structural image quality. NeuroImage, 2018, 169, 407-418.	4.2	291
21	Detecting stable individual differences in the functional organization of the human basal ganglia. NeuroImage, 2018, 170, 68-82.	4.2	17
22	Identification of autism spectrum disorder using deep learning and the ABIDE dataset. NeuroImage: Clinical, 2018, 17, 16-23.	2.7	594
23	Neuroimage special issue on brain segmentation and parcellation - Editorial. NeuroImage, 2018, 170, 1-4.	4.2	5
24	Fused lasso regression for identifying differential correlations in brain connectome graphs. Statistical Analysis and Data Mining, 2018, 11, 203-226.	2.8	3
25	Assessment of the impact of shared brain imaging data on the scientific literature. Nature Communications, 2018, 9, 2818.	12.8	95
26	Patterns of thought: Population variation in the associations between large-scale network organisation and self-reported experiences at rest. NeuroImage, 2018, 176, 518-527.	4.2	40
27	Clinically useful brain imaging for neuropsychiatry: How can we get there?. Depression and Anxiety, 2017, 34, 578-587.	4.1	25
28	Individual differences in functional connectivity during naturalistic viewing conditions. NeuroImage, 2017, 157, 521-530.	4.2	190
29	Enhancing studies of the connectome in autism using the autism brain imaging data exchange II. Scientific Data, 2017, 4, 170010.	5.3	422
30	The real-time fMRI neurofeedback based stratification of Default Network Regulation Neuroimaging data repository. NeuroImage, 2017, 146, 157-170.	4.2	37
31	The Neuro Bureau ADHD-200 Preprocessed repository. NeuroImage, 2017, 144, 275-286.	4.2	183
32	Data-Driven Phenotypic Categorization for Neurobiological Analyses: Beyond DSM-5 Labels. Biological Psychiatry, 2017, 81, 484-494.	1.3	74
33	Predicting brain-age from multimodal imaging data captures cognitive impairment. NeuroImage, 2017, 148, 179-188.	4.2	407
34	Deriving reproducible biomarkers from multi-site resting-state data: An Autism-based example. NeuroImage, 2017, 147, 736-745.	4.2	499
35	An open resource for transdiagnostic research in pediatric mental health and learning disorders. Scientific Data, 2017, 4, 170181.	5.3	375
36	The Healthy Brain Network Serial Scanning Initiative: a resource for evaluating inter-individual differences and their reliabilities across scan conditions and sessions. GigaScience, 2017, 6, 1-14.	6.4	66

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37	BIDS apps: Improving ease of use, accessibility, and reproducibility of neuroimaging data analysis methods. <i>PLoS Computational Biology</i> , 2017, 13, e1005209.	3.2	218
38	Optimized implementations of voxel-wise degree centrality and local functional connectivity density mapping in AFNI. <i>GigaScience</i> , 2016, 5, .	6.4	4
39	Generating music with resting-state fMRI data. <i>GigaScience</i> , 2016, 5, .	6.4	0
40	Assessing Variations in Areal Organization for the Intrinsic Brain: From Fingerprints to Reliability. <i>Cerebral Cortex</i> , 2016, 26, 4192-4211.	2.9	82
41	The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments. <i>Scientific Data</i> , 2016, 3, 160044.	5.3	1,038
42	2015 Brainhack Proceedings. <i>GigaScience</i> , 2016, 5, 1-26.	6.4	72
43	The preprocessed connectomes project repository of manually corrected skull-stripped T1-weighted anatomical MRI data. <i>GigaScience</i> , 2016, 5, 45.	6.4	48
44	Brainhack: a collaborative workshop for the open neuroscience community. <i>GigaScience</i> , 2016, 5, 16.	6.4	34
45	An integrated framework for targeting functional networks via transcranial magnetic stimulation. <i>NeuroImage</i> , 2016, 127, 86-96.	4.2	99
46	Genetic and Environmental Contributions to Functional Connectivity Architecture of the Human Brain. <i>Cerebral Cortex</i> , 2016, 26, 2341-2352.	2.9	100
47	Connectomics and new approaches for analyzing human brain functional connectivity. <i>GigaScience</i> , 2015, 4, 13.	6.4	55
48	Impact of the resolution of brain parcels on connectome-wide association studies in fMRI. <i>NeuroImage</i> , 2015, 123, 212-228.	4.2	44
49	Intrinsic brain indices of verbal working memory capacity in children and adolescents. <i>Developmental Cognitive Neuroscience</i> , 2015, 15, 67-82.	4.0	36
50	Short-term test-retest reliability of resting state fMRI metrics in children with and without attention-deficit/hyperactivity disorder. <i>Developmental Cognitive Neuroscience</i> , 2015, 15, 83-93.	4.0	64
51	Connectome-wide network analysis of youth with Psychosis-Spectrum symptoms. <i>Molecular Psychiatry</i> , 2015, 20, 1508-1515.	7.9	110
52	Stereoscopic three-dimensional visualization applied to multimodal brain images: clinical applications and a functional connectivity atlas. <i>Frontiers in Neuroscience</i> , 2014, 8, 328.	2.8	15
53	Unraveling the Miswired Connectome: A Developmental Perspective. <i>Neuron</i> , 2014, 83, 1335-1353.	8.1	299
54	Common intrinsic connectivity states among posteromedial cortex subdivisions: Insights from analysis of temporal dynamics. <i>NeuroImage</i> , 2014, 93, 124-137.	4.2	104

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55	Neuroimaging after mild traumatic brain injury: Review and meta-analysis. <i>NeuroImage: Clinical</i> , 2014, 4, 283-294.	2.7	417
56	A multivariate distance-based analytic framework for connectome-wide association studies. <i>NeuroImage</i> , 2014, 93, 74-94.	4.2	158
57	Optimizing real time fMRI neurofeedback for therapeutic discovery and development. <i>NeuroImage: Clinical</i> , 2014, 5, 245-255.	2.7	179
58	An open science resource for establishing reliability and reproducibility in functional connectomics. <i>Scientific Data</i> , 2014, 1, 140049.	5.3	349
59	Impact of hematocrit on measurements of the intrinsic brain. <i>Frontiers in Neuroscience</i> , 2014, 8, 452.	2.8	14
60	A Correspondence between Individual Differences in the Brain's Intrinsic Functional Architecture and the Content and Form of Self-Generated Thoughts. <i>PLoS ONE</i> , 2014, 9, e97176.	2.5	134
61	Neurophysiological Investigation of Spontaneous Correlated and Anticorrelated Fluctuations of the BOLD Signal. <i>Journal of Neuroscience</i> , 2013, 33, 6333-6342.	3.6	211
62	Learning and comparing functional connectomes across subjects. <i>NeuroImage</i> , 2013, 80, 405-415.	4.2	185
63	Clinical applications of the functional connectome. <i>NeuroImage</i> , 2013, 80, 527-540.	4.2	288
64	Toward a Neuroimaging Treatment Selection Biomarker for Major Depressive Disorder. <i>JAMA Psychiatry</i> , 2013, 70, 821.	11.0	455
65	Predicting intrinsic brain activity. <i>NeuroImage</i> , 2013, 82, 127-136.	4.2	32
66	Imaging human connectomes at the macroscale. <i>Nature Methods</i> , 2013, 10, 524-539.	19.0	384
67	A comprehensive assessment of regional variation in the impact of head micromovements on functional connectomics. <i>NeuroImage</i> , 2013, 76, 183-201.	4.2	1,331
68	Standardizing the intrinsic brain: Towards robust measurement of inter-individual variation in 1000 functional connectomes. <i>NeuroImage</i> , 2013, 80, 246-262.	4.2	382
69	Identifying the perfusion deficit in acute stroke with resting-state functional magnetic resonance imaging. <i>Annals of Neurology</i> , 2013, 73, 136-140.	5.3	112
70	Affect and the Brain's Functional Organization: A Resting-State Connectivity Approach. <i>PLoS ONE</i> , 2013, 8, e68015.	2.5	34
71	Addressing head motion dependencies for small-world topologies in functional connectomics. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 910.	2.0	165
72	Integration of a neuroimaging processing pipeline into a pan-canadian computing grid. <i>Journal of Physics: Conference Series</i> , 2012, 341, 012032.	0.4	13

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73	Characterizing variation in the functional connectome: promise and pitfalls. Trends in Cognitive Sciences, 2012, 16, 181-188.	7.8	248
74	The NKI-Rockland Sample: A Model for Accelerating the Pace of Discovery Science in Psychiatry. Frontiers in Neuroscience, 2012, 6, 152.	2.8	667
75	A whole brain fMRI atlas generated via spatially constrained spectral clustering. Human Brain Mapping, 2012, 33, 1914-1928.	3.6	1,334
76	Simultaneous acquisition of gradient echo/spin echo BOLD and perfusion with a separate labeling coil. Magnetic Resonance in Medicine, 2010, 64, 1827-1831.	3.0	3
77	Disease state prediction from resting state functional connectivity. Magnetic Resonance in Medicine, 2009, 62, 1619-1628.	3.0	368
78	Exploratory structural equation modeling of resting-state fMRI: Applicability of group models to individual subjects. NeuroImage, 2009, 45, 778-787.	4.2	58
79	Subcallosal Cingulate Gyrus Deep Brain Stimulation for Treatment-Resistant Depression. Biological Psychiatry, 2008, 64, 461-467.	1.3	865
80	Exploration of statistical dependence between illness parameters using the entropy correlation coefficient. Pharmacogenomics, 2006, 7, 421-428.	1.3	11
81	Gene expression correlates of unexplained fatigue. Pharmacogenomics, 2006, 7, 395-405.	1.3	29
82	Cognitive Dysfunction Relates to Subjective Report of Mental Fatigue in Patients with Chronic Fatigue Syndrome. Neuropsychopharmacology, 2006, 31, 1777-1784.	5.4	71
83	Identifying illness parameters in fatiguing syndromes using classical projection methods. Pharmacogenomics, 2006, 7, 407-419.	1.3	43
84	Developing predictive imaging biomarkers using whole-brain classifiers: Application to the ABIDE I dataset. Research Ideas and Outcomes, 0, 3, e12733.	1.0	17