R Cameron Craddock

List of Publications by Year
in descending order

| 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	A whole brain fMRI atlas generated via spatially constrained spectral clustering. Human Brain Mapping, 2012, 33, 1914-1928.	3.6	1,334
2	A comprehensive assessment of regional variation in the impact of head micromovements on functional connectomics. NeuroImage, 2013, 76, 183-201.	4.2	1,331
3	The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments. Scientific Data, 2016, 3, 160044.	5.3	1,038
4	Subcallosal Cingulate Gyrus Deep Brain Stimulation for Treatment-Resistant Depression. Biological Psychiatry, 2008, 64, 461-467.	1.3	865
5	The NKI-Rockland Sample: A Model for Accelerating the Pace of Discovery Science in Psychiatry. Frontiers in Neuroscience, 2012, 6, 152.	2.8	667
6	Identification of autism spectrum disorder using deep learning and the ABIDE dataset. NeuroImage: Clinical, 2018, 17, 16-23.	2.7	594
7	Deriving reproducible biomarkers from multi-site resting-state data: An Autism-based example. NeuroImage, 2017, 147, 736-745.	4.2	499
8	Toward a Neuroimaging Treatment Selection Biomarker for Major Depressive Disorder. JAMA Psychiatry, 2013, 70, 821.	11.0	455
9	Enhancing studies of the connectome in autism using the autism brain imaging data exchange II. Scientific Data, 2017, 4, 170010.	5.3	422
10	Neuroimaging after mild traumatic brain injury: Review and meta-analysis. NeuroImage: Clinical, 2014, 4, 283-294.	2.7	417
11	Predicting brain-age from multimodal imaging data captures cognitive impairment. NeuroImage, 2017, 148, 179-188.	4.2	407
12	Imaging human connectomes at the macroscale. Nature Methods, 2013, 10, 524-539.	19.0	384
13	Standardizing the intrinsic brain: Towards robust measurement of inter-individual variation in 1000 functional connectomes. NeuroImage, 2013, 80, 246-262.	4.2	382
14	An open resource for transdiagnostic research in pediatric mental health and learning disorders. Scientific Data, 2017, 4, 170181.	5.3	375
15	Disease state prediction from resting state functional connectivity. Magnetic Resonance in Medicine, 2009, 62, 1619-1628.	3.0	368
16	An open science resource for establishing reliability and reproducibility in functional connectomics. Scientific Data, 2014, 1, 140049.	5.3	349
17	Unraveling the Miswired Connectome: A Developmental Perspective. Neuron, 2014, 83, 1335-1353.	8.1	299
18	Quantitative assessment of structural image quality. NeuroImage, 2018, 169, 407-418.	4.2	291

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19	Clinical applications of the functional connectome. NeuroImage, 2013, 80, 527-540.	4.2	288
20	Characterizing variation in the functional connectome: promise and pitfalls. Trends in Cognitive Sciences, 2012, 16, 181-188.	7.8	248
21	BIDS apps: Improving ease of use, accessibility, and reproducibility of neuroimaging data analysis methods. PLoS Computational Biology, 2017, 13, e1005209.	3.2	218
22	Neurophysiological Investigation of Spontaneous Correlated and Anticorrelated Fluctuations of the BOLD Signal. Journal of Neuroscience, 2013, 33, 6333-6342.	3.6	211
23	Individual differences in functional connectivity during naturalistic viewing conditions. NeuroImage, 2017, 157, 521-530.	4.2	190
24	Learning and comparing functional connectomes across subjects. NeuroImage, 2013, 80, 405-415.	4.2	185
25	The Neuro Bureau ADHD-200 Preprocessed repository. NeuroImage, 2017, 144, 275-286.	4.2	183
26	Optimizing real time fMRI neurofeedback for therapeutic discovery and development. NeuroImage: Clinical, 2014, 5, 245-255.	2.7	179
27	A large, open source dataset of stroke anatomical brain images and manual lesion segmentations. Scientific Data, 2018, 5, 180011.	5.3	170
28	Addressing head motion dependencies for small-world topologies in functional connectomics. Frontiers in Human Neuroscience, 2013, 7, 910.	2.0	165
29	A multivariate distance-based analytic framework for connectome-wide association studies. NeuroImage, 2014, 93, 74-94.	4.2	158
30	A Correspondence between Individual Differences in the Brain's Intrinsic Functional Architecture and the Content and Form of Self-Generated Thoughts. PLoS ONE, 2014, 9, e97176.	2.5	134
31	Identifying the perfusion deficit in acute stroke with resting-state functional magnetic resonance imaging. Annals of Neurology, 2013, 73, 136-140.	5.3	112
32	Connectome-wide network analysis of youth with Psychosis-Spectrum symptoms. Molecular Psychiatry, 2015, 20, 1508-1515.	7.9	110
33	Common intrinsic connectivity states among posteromedial cortex subdivisions: Insights from analysis of temporal dynamics. NeuroImage, 2014, 93, 124-137.	4.2	104
34	Genetic and Environmental Contributions to Functional Connectivity Architecture of the Human Brain. Cerebral Cortex, 2016, 26, 2341-2352.	2.9	100
35	An integrated framework for targeting functional networks via transcranial magnetic stimulation. NeuroImage, 2016, 127, 86-96.	4.2	99
36	Assessment of the impact of shared brain imaging data on the scientific literature. Nature Communications, 2018, 9, 2818.	12.8	95

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37	Assessing Variations in Areal Organization for the Intrinsic Brain: From Fingerprints to Reliability. Cerebral Cortex, 2016, 26, 4192-4211.	2.9	82
38	Data-Driven Phenotypic Categorization for Neurobiological Analyses: Beyond DSM-5 Labels. Biological Psychiatry, 2017, 81, 484-494.	1.3	74
39	2015 Brainhack Proceedings. GigaScience, 2016, 5, 1-26.	6.4	72
40	Cognitive Dysfunction Relates to Subjective Report of Mental Fatigue in Patients with Chronic Fatigue Syndrome. Neuropsychopharmacology, 2006, 31, 1777-1784.	5.4	71
41	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
42	Short-term test–retest reliability of resting state fMRI metrics in children with and without attention-deficit/hyperactivity disorder. Developmental Cognitive Neuroscience, 2015, 15, 83-93.	4.0	64
43	Exploratory structural equation modeling of resting-state fMRI: Applicability of group models to individual subjects. NeuroImage, 2009, 45, 778-787.	4.2	58
44	Connectomics and new approaches for analyzing human brain functional connectivity. GigaScience, 2015, 4, 13.	6.4	55
45	The <scp>ENIGMA</scp> Stroke Recovery Working Group: Big data neuroimaging to study brain–behavior relationships after stroke. Human Brain Mapping, 2022, 43, 129-148.	3.6	54
46	The preprocessed connectomes project repository of manually corrected skull-stripped T1-weighted anatomical MRI data. GigaScience, 2016, 5, 45.	6.4	48
47	Impact of the resolution of brain parcels on connectome-wide association studies in fMRI. NeuroImage, 2015, 123, 212-228.	4.2	44
48	Identifying illness parameters in fatiguing syndromes using classical projection methods. Pharmacogenomics, 2006, 7, 407-419.	1.3	43
49	Delineating the Macroscale Areal Organization of the Macaque Cortex InÂVivo. Cell Reports, 2018, 23, 429-441.	6.4	42
50	U-net model for brain extraction: Trained on humans for transfer to non-human primates. NeuroImage, 2021, 235, 118001.	4.2	42
51	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
52	The real-time fMRI neurofeedback based stratification of Default Network Regulation Neuroimaging data repository. NeuroImage, 2017, 146, 157-170.	4.2	37
53	Intrinsic brain indices of verbal working memory capacity in children and adolescents. Developmental Cognitive Neuroscience, 2015, 15, 67-82.	4.0	36
54	Affect and the Brain's Functional Organization: A Resting-State Connectivity Approach. PLoS ONE, 2013, 8, e68015.	2.5	34

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55	Brainhack: a collaborative workshop for the open neuroscience community. GigaScience, 2016, 5, 16.	6.4	34
56	Predicting intrinsic brain activity. NeuroImage, 2013, 82, 127-136.	4.2	32
57	Gene expression correlates of unexplained fatigue. Pharmacogenomics, 2006, 7, 395-405.	1.3	29
58	Eliminating accidental deviations to minimize generalization error and maximize replicability: Applications in connectomics and genomics. PLoS Computational Biology, 2021, 17, e1009279.	3.2	28
59	Can we predict realâ€time <scp>fMRI</scp> neurofeedback learning success from pretraining brain activity?. Human Brain Mapping, 2020, 41, 3839-3854.	3.6	27
60	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. Neuron, 2021, 109, 1769-1775.	8.1	27
61	Clinically useful brain imaging for neuropsychiatry: How can we get there?. Depression and Anxiety, 2017, 34, 578-587.	4.1	25
62	Evaluating fMRI-Based Estimation of Eye Gaze During Naturalistic Viewing. Cerebral Cortex, 2020, 30, 1171-1184.	2.9	24
63	Improving prediction of real-time loneliness and companionship type using geosocial features of personal smartphone data. Smart Health, 2021, 20, 100180.	3.2	24
64	Predictors of real-time fMRI neurofeedback performance and improvement â€" A machine learning mega-analysis. NeuroImage, 2021, 237, 118207.	4.2	22
65	A longitudinal resource for studying connectome development and its psychiatric associations during childhood. Scientific Data, 2022, 9, .	5.3	18
66	Detecting stable individual differences in the functional organization of the human basal ganglia. NeuroImage, 2018, 170, 68-82.	4.2	17
67	Developing predictive imaging biomarkers using whole-brain classifiers: Application to the ABIDE I dataset. Research Ideas and Outcomes, 0, 3, e12733.	1.0	17
68	Is it time to switch your T1W sequence? Assessing the impact of prospective motion correction on the reliability and quality of structural imaging. NeuroImage, 2021, 226, 117585.	4.2	16
69	Stereoscopic three-dimensional visualization applied to multimodal brain images: clinical applications and a functional connectivity atlas. Frontiers in Neuroscience, 2014, 8, 328.	2.8	15
70	Impact of hematocrit on measurements of the intrinsic brain. Frontiers in Neuroscience, 2014, 8, 452.	2.8	14
71	Multi-modal data collection for measuring health, behavior, and living environment of large-scale participant cohorts. GigaScience, 2021, 10, .	6.4	14
72	Centering inclusivity in the design of online conferencesâ€"An OHBMâ€"Open Science perspective. GigaScience, 2021, 10, .	6.4	14

#	ARTICLE	IF	CITATIONS
73	Integration of a neuroimaging processing pipeline into a pan-canadian computing grid. Journal of Physics: Conference Series, 2012, 341, 012032.	0.4	13
74	Exploration of statistical dependence between illness parameters using the entropy correlation coefficient. Pharmacogenomics, 2006, 7, 421-428.	1.3	11
75	Development of a standardized MRI protocol for pancreas assessment in humans. PLoS ONE, 2021, 16, e0256029.	2.5	9
76	Smaller spared subcortical nuclei are associated with worse post-stroke sensorimotor outcomes in 28 cohorts worldwide. Brain Communications, 2021, 3, fcab254.	3.3	7
77	Predicting future cognitive decline from non-brain and multimodal brain imaging data in healthy and pathological aging. Neurobiology of Aging, 2022, 118, 55-65.	3.1	7
78	Neuroimage special issue on brain segmentation and parcellation - Editorial. NeuroImage, 2018, 170, 1-4.	4.2	5
79	Optimized implementations of voxel-wise degree centrality and local functional connectivity density mapping in AFNI. GigaScience, 2016, 5, .	6.4	4
80	Exploring Post COVID-19 Outbreak Intradaily Mobility Pattern Change in College Students: A GPS-Focused Smartphone Sensing Study. Frontiers in Digital Health, 2021, 3, 765972.	2.8	4
81	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
82	Fused lasso regression for identifying differential correlations in brain connectome graphs. Statistical Analysis and Data Mining, 2018, 11, 203-226.	2.8	3
83	Deep learning-based pancreas volume assessment in individuals with type 1 diabetes. BMC Medical Imaging, 2022, 22, 5.	2.7	3
84	Generating music with resting-state fMRI data. GigaScience, 2016, 5, .	6.4	0