

Cyril Pernet

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

9,958
citations

109321

35
h-index

71685

76
g-index

89
all docs

89
docs citations

89
times ranked

15471
citing authors

#	ARTICLE	IF	CITATIONS
1	PET-BIDS, an extension to the brain imaging data structure for positron emission tomography. Scientific Data, 2022, 9, 65.	5.3	20
2	A systematic review on the use of quantitative imaging to detect cancer therapy adverse effects in normal-appearing brain tissue. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 163-186.	2.0	7
3	Coupling cognitive and brainstem dysfunction in multiple sclerosis-related chronic neuropathic limb pain. Brain Communications, 2022, 4, .	3.3	3
4	Mindfulness related changes in grey matter: a systematic review and meta-analysis. Brain Imaging and Behavior, 2021, 15, 2720-2730.	2.1	22
5	The Open Brain Consent: Informing research participants and obtaining consent to share brain imaging data. Human Brain Mapping, 2021, 42, 1945-1951.	3.6	27
6	#EEGManyLabs: Investigating the replicability of influential EEG experiments. Cortex, 2021, 144, 213-229.	2.4	52
7	Tools for Importing and Evaluating BIDS-EEG Formatted Data. , 2021, , .		3
8	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. Neuron, 2021, 109, 1769-1775.	8.1	27
9	Transcranial ultrasound pulse stimulation reduces cortical atrophy in Alzheimer's patients: A follow-up study. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2021, 7, e12121.	3.7	27
10	Data visualization for inference in tomographic brain imaging. European Journal of Neuroscience, 2020, 51, 695-705.	2.6	4
11	The genetics-BIDS extension: Easing the search for genetic data associated with human brain imaging. GigaScience, 2020, 9, .	6.4	7
12	Issues and recommendations from the OHBM COBIDAS MEEG committee for reproducible EEG and MEG research. Nature Neuroscience, 2020, 23, 1473-1483.	14.8	113
13	From BIDS-Formatted EEG Data to Sensor-Space Group Results: A Fully Reproducible Workflow With EEGLAB and LIMO EEG. Frontiers in Neuroscience, 2020, 14, 610388.	2.8	21
14	Manually-parcellated gyral data accounting for all known anatomical variability. Scientific Data, 2019, 6, 190001.	5.3	2
15	EEG-BIDS, an extension to the brain imaging data structure for electroencephalography. Scientific Data, 2019, 6, 103.	5.3	209
16	Longitudinal multi-centre brain imaging studies: guidelines and practical tips for accurate and reproducible imaging endpoints and data sharing. Trials, 2019, 20, 21.	1.6	9
17	Can We Standardize Clinical Functional Neuroimaging Procedures?. Frontiers in Neurology, 2019, 9, 1153.	2.4	7
18	The use of brain functional magnetic resonance imaging to determine the mechanism of action of gabapentin in managing chronic pelvic pain in women: a pilot study. BMJ Open, 2019, 9, e026152.	1.9	9

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19	A critical analysis of neuroanatomical software protocols reveals clinically relevant differences in parcellation schemes. <i>NeuroImage</i> , 2018, 170, 348-364.	4.2	22
20	Overlapping but Divergent Neural Correlates Underpinning Audiovisual Synchrony and Temporal Order Judgments. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 274.	2.0	11
21	Improved methods for making inferences about multiple skipped correlations. <i>Journal of Statistical Computation and Simulation</i> , 2018, 88, 3116-3131.	1.2	13
22	Machine learning of neuroimaging for assisted diagnosis of cognitive impairment and dementia: A systematic review. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2018, 10, 519-535.	2.4	162
23	The General Linear Model: Theory and Practicalities in Brain Morphometric Analyses. <i>NeuroMethods</i> , 2018, , 75-85.	0.3	5
24	A brain imaging repository of normal structural MRI across the life course: Brain Images of Normal Subjects (BRAINS). <i>NeuroImage</i> , 2017, 144, 299-304.	4.2	46
25	iMap4: An open source toolbox for the statistical fixation mapping of eye movement data with linear mixed modeling. <i>Behavior Research Methods</i> , 2017, 49, 559-575.	4.0	50
26	Improving data availability for brain image biobanking in healthy subjects: Practice-based suggestions from an international multidisciplinary working group. <i>NeuroImage</i> , 2017, 153, 399-409.	4.2	13
27	Beyond differences in means: robust graphical methods to compare two groups in neuroscience. <i>European Journal of Neuroscience</i> , 2017, 46, 1738-1748.	2.6	156
28	The role of brain-derived neurotrophic factor in learned fear processing: an awake rat <sc>fMRI</sc> study. <i>Genes, Brain and Behavior</i> , 2016, 15, 221-230.	2.2	20
29	A structural and functional magnetic resonance imaging dataset of brain tumour patients. <i>Scientific Data</i> , 2016, 3, 160003.	5.3	18
30	Evaluation of a pre-surgical functional MRI workflow: From data acquisition to reporting. <i>International Journal of Medical Informatics</i> , 2016, 86, 37-42.	3.3	9
31	Cluster-based computational methods for mass univariate analyses of event-related brain potentials/fields: A simulation study. <i>Journal of Neuroscience Methods</i> , 2015, 250, 85-93.	2.5	202
32	Hemispheric association and dissociation of voice and speech information processing in stroke. <i>Cortex</i> , 2015, 71, 232-239.	2.4	7
33	The human voice areas: Spatial organization and inter-individual variability in temporal and extra-temporal cortices. <i>NeuroImage</i> , 2015, 119, 164-174.	4.2	190
34	Improving functional magnetic resonance imaging reproducibility. <i>GigaScience</i> , 2015, 4, 15.	6.4	41
35	Imaging learned fear circuitry in awake mice using <sc>fMRI</sc>. <i>European Journal of Neuroscience</i> , 2015, 42, 2125-2134.	2.6	57
36	Estimating the reproducibility of psychological science. <i>Science</i> , 2015, 349, aac4716.	12.6	4,926

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37	Null hypothesis significance testing: a short tutorial. F1000Research, 2015, 4, 621.	1.6	12
38	Null hypothesis significance testing: a short tutorial. F1000Research, 2015, 4, 621.	1.6	19
39	Behavioral evidence of a dissociation between voice gender categorization and phoneme categorization using auditory morphed stimuli. Frontiers in Psychology, 2014, 4, 1018.	2.1	6
40	Misconceptions in the use of the General Linear Model applied to functional MRI: a tutorial for junior neuro-imagers. Frontiers in Neuroscience, 2014, 8, 1.	2.8	463
41	Single-subject analyses of magnetoencephalographic evoked responses to the acoustic properties of affective non-verbal vocalizations. Frontiers in Neuroscience, 2014, 8, 422.	2.8	8
42	Test-retest reliability of structural brain networks from diffusion MRI. NeuroImage, 2014, 86, 231-243.	4.2	132
43	Automatic domain-general processing of sound source identity in the left posterior middle frontal gyrus. Cortex, 2014, 58, 170-185.	2.4	15
44	A test-retest fMRI dataset for motor, language and spatial attention functions. GigaScience, 2013, 2, 6.	6.4	37
45	Single subject fMRI test-retest reliability metrics and confounding factors. NeuroImage, 2013, 69, 231-243.	4.2	99
46	Cerebral Processing of Voice Gender Studied Using a Continuous Carryover fMRI Design. Cerebral Cortex, 2013, 23, 958-966.	2.9	48
47	A systematic review of the utility of 1.5 versus 3 Tesla magnetic resonance brain imaging in clinical practice and research. European Radiology, 2012, 22, 2295-2303.	4.5	75
48	The Role of Pitch and Timbre in Voice Gender Categorization. Frontiers in Psychology, 2012, 3, 23.	2.1	71
49	Improving standards in brain-behavior correlation analyses. Frontiers in Human Neuroscience, 2012, 6, 119.	2.0	197
50	Adaptive thresholding for reliable topological inference in single subject fMRI analysis. Frontiers in Human Neuroscience, 2012, 6, 245.	2.0	42
51	Early ERPs to faces and objects are driven by phase, not amplitude spectrum information: Evidence from parametric, test-retest, single-subject analyses. Journal of Vision, 2012, 12, 12-12.	0.3	19
52	Neural dissociation of phonological and visual attention span disorders in developmental dyslexia: fMRI evidence from two case reports. Brain and Language, 2012, 120, 381-394.	1.6	122
53	Robust Correlation Analyses: False Positive and Power Validation Using a New Open Source Matlab Toolbox. Frontiers in Psychology, 2012, 3, 606.	2.1	457
54	Reliability of ERP and single-trial analyses. NeuroImage, 2011, 58, 620-629.	4.2	47

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55	Quantifying the Time Course of Visual Object Processing Using ERPs: It's Time to Up the Game. <i>Frontiers in Psychology</i> , 2011, 2, 107.	2.1	71
56	Modeling single-trial ERP reveals modulation of bottom-up face visual processing by top-down task constraints (in some subjects). <i>Frontiers in Psychology</i> , 2011, 2, 137.	2.1	117
57	Visual Object Categorization in the Brain: What Can We Really Learn from ERP Peaks?. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 156.	2.0	12
58	Single-Trial Analyses: Why Bother?. <i>Frontiers in Psychology</i> , 2011, 2, 322.	2.1	55
59	Low and high imagers activate networks differentially in mental rotation. <i>Neuropsychologia</i> , 2011, 49, 3071-3077.	1.6	85
60	LIMO EEG: A Toolbox for Hierarchical Linear Modeling of Electroencephalographic Data. <i>Computational Intelligence and Neuroscience</i> , 2011, 2011, 1-11.	1.7	220
61	Robust statistics show no evidence for a relationship between fiber density and memory performance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E598-E598.	7.1	2
62	Healthy aging delays scalp EEG sensitivity to noise in a face discrimination task. <i>Frontiers in Psychology</i> , 2010, 1, 19.	2.1	36
63	Testing for the Dual-Route Cascade Reading Model in the Brain: An fMRI Effective Connectivity Account of an Efficient Reading Style. <i>PLoS ONE</i> , 2009, 4, e6675.	2.5	94
64	Age-related delay in information accrual for faces: Evidence from a parametric, single-trial EEG approach. <i>BMC Neuroscience</i> , 2009, 10, 114.	1.9	65
65	Electrophysiological evidence for an early processing of human voices. <i>BMC Neuroscience</i> , 2009, 10, 127.	1.9	96
66	Brain classification reveals the right cerebellum as the best biomarker of dyslexia. <i>BMC Neuroscience</i> , 2009, 10, 67.	1.9	110
67	When all hypotheses are right: A multifocal account of dyslexia. <i>Human Brain Mapping</i> , 2009, 30, 2278-2292.	3.6	122
68	Parametric study of EEG sensitivity to phase noise during face processing. <i>BMC Neuroscience</i> , 2008, 9, 98.	1.9	82
69	Classification images reveal the information sensitivity of brain voxels in fMRI. <i>NeuroImage</i> , 2008, 40, 1643-1654.	4.2	19
70	Piecemeal recruitment of left-lateralized brain areas during reading: A spatio-functional account. <i>NeuroImage</i> , 2008, 43, 581-591.	4.2	45
71	Specific, selective or preferential: Comments on category specificity in neuroimaging. <i>NeuroImage</i> , 2007, 35, 991-997.	4.2	35
72	Parafoveal-on-foveal and foveal word priming are different processes: Behavioral and neurophysiological evidence. <i>NeuroImage</i> , 2007, 38, 321-330.	4.2	16

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73	Lateral masking, levels of processing and stimulus category: A comparative study between normal and dyslexic readers. <i>Neuropsychologia</i> , 2006, 44, 2374-2385.	1.6	33
74	Selective response to letter categorization within the left fusiform gyrus. <i>NeuroImage</i> , 2005, 28, 738-744.	4.2	75
75	Verb and noun generation tasks in Huntington's disease. <i>Movement Disorders</i> , 2004, 19, 565-571.	3.9	25
76	Anatomy and time course of discrimination and categorization processes in vision: an fMRI study. <i>NeuroImage</i> , 2004, 22, 1563-1577.	4.2	36
77	Neural timing of visual implicit categorization. <i>Cognitive Brain Research</i> , 2003, 17, 327-338.	3.0	45
78	Null hypothesis significance testing: a short tutorial. <i>F1000Research</i> , 0, 4, 621.	1.6	5
79	Null hypothesis significance testing: a guide to commonly misunderstood concepts and recommendations for good practice. <i>F1000Research</i> , 0, 4, 621.	1.6	12
80	Null hypothesis significance testing: a guide to commonly misunderstood concepts and recommendations for good practice. <i>F1000Research</i> , 0, 4, 621.	1.6	7