

# 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	Estimating the reproducibility of psychological science. <i>Science</i> , 2015, 349, aac4716.	12.6	4,926
2	Misconceptions in the use of the General Linear Model applied to functional MRI: a tutorial for junior neuro-imagers. <i>Frontiers in Neuroscience</i> , 2014, 8, 1.	2.8	463
3	Robust Correlation Analyses: False Positive and Power Validation Using a New Open Source Matlab Toolbox. <i>Frontiers in Psychology</i> , 2012, 3, 606.	2.1	457
4	LIMO EEG: A Toolbox for Hierarchical Linear MOdeling of ElectroEncephaloGraphic Data. <i>Computational Intelligence and Neuroscience</i> , 2011, 2011, 1-11.	1.7	220
5	EEG-BIDS, an extension to the brain imaging data structure for electroencephalography. <i>Scientific Data</i> , 2019, 6, 103.	5.3	209
6	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
7	Improving standards in brain-behavior correlation analyses. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 119.	2.0	197
8	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
9	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
10	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
11	Test-retest reliability of structural brain networks from diffusion MRI. <i>NeuroImage</i> , 2014, 86, 231-243.	4.2	132
12	When all hypotheses are right: A multifocal account of dyslexia. <i>Human Brain Mapping</i> , 2009, 30, 2278-2292.	3.6	122
13	Neural dissociation of phonological and visual attention span disorders in developmental dyslexia: fMRI evidence from two case reports. <i>Brain and Language</i> , 2012, 120, 381-394.	1.6	122
14	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
15	Issues and recommendations from the OHBM COBIDAS MEEG committee for reproducible EEG and MEG research. <i>Nature Neuroscience</i> , 2020, 23, 1473-1483.	14.8	113
16	Brain classification reveals the right cerebellum as the best biomarker of dyslexia. <i>BMC Neuroscience</i> , 2009, 10, 67.	1.9	110
17	Single subject fMRI test-retest reliability metrics and confounding factors. <i>NeuroImage</i> , 2013, 69, 231-243.	4.2	99
18	Electrophysiological evidence for an early processing of human voices. <i>BMC Neuroscience</i> , 2009, 10, 127.	1.9	96

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19	Testing for the Dual-Route Cascade Reading Model in the Brain: An fMRI Effective Connectivity Account of an Efficient Reading Style. PLoS ONE, 2009, 4, e6675.	2.5	94
20	Low and high imagers activate networks differentially in mental rotation. Neuropsychologia, 2011, 49, 3071-3077.	1.6	85
21	Parametric study of EEG sensitivity to phase noise during face processing. BMC Neuroscience, 2008, 9, 98.	1.9	82
22	Selective response to letter categorization within the left fusiform gyrus. NeuroImage, 2005, 28, 738-744.	4.2	75
23	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
24	Quantifying the Time Course of Visual Object Processing Using ERPs: It's Time to Up the Game. Frontiers in Psychology, 2011, 2, 107.	2.1	71
25	The Role of Pitch and Timbre in Voice Gender Categorization. Frontiers in Psychology, 2012, 3, 23.	2.1	71
26	Age-related delay in information accrual for faces: Evidence from a parametric, single-trial EEG approach. BMC Neuroscience, 2009, 10, 114.	1.9	65
27	Imaging learned fear circuitry in awake mice using <scp>fMRI</scp>. European Journal of Neuroscience, 2015, 42, 2125-2134.	2.6	57
28	Single-Trial Analyses: Why Bother?. Frontiers in Psychology, 2011, 2, 322.	2.1	55
29	#EEGManyLabs: Investigating the replicability of influential EEG experiments. Cortex, 2021, 144, 213-229.	2.4	52
30	iMap4: An open source toolbox for the statistical fixation mapping of eye movement data with linear mixed modeling. Behavior Research Methods, 2017, 49, 559-575.	4.0	50
31	Cerebral Processing of Voice Gender Studied Using a Continuous Carryover fMRI Design. Cerebral Cortex, 2013, 23, 958-966.	2.9	48
32	Reliability of ERP and single-trial analyses. NeuroImage, 2011, 58, 620-629.	4.2	47
33	A brain imaging repository of normal structural MRI across the life course: Brain Images of Normal Subjects (BRAINS). NeuroImage, 2017, 144, 299-304.	4.2	46
34	Neural timing of visual implicit categorization. Cognitive Brain Research, 2003, 17, 327-338.	3.0	45
35	Piecemeal recruitment of left-lateralized brain areas during reading: A spatio-functional account. NeuroImage, 2008, 43, 581-591.	4.2	45
36	Adaptive thresholding for reliable topological inference in single subject fMRI analysis. Frontiers in Human Neuroscience, 2012, 6, 245.	2.0	42

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37	Improving functional magnetic resonance imaging reproducibility. <i>GigaScience</i> , 2015, 4, 15.	6.4	41
38	A test-retest fMRI dataset for motor, language and spatial attention functions. <i>GigaScience</i> , 2013, 2, 6.	6.4	37
39	Anatomy and time course of discrimination and categorization processes in vision: an fMRI study. <i>NeuroImage</i> , 2004, 22, 1563-1577.	4.2	36
40	Healthy aging delays scalp EEG sensitivity to noise in a face discrimination task. <i>Frontiers in Psychology</i> , 2010, 1, 19.	2.1	36
41	Specific, selective or preferential: Comments on category specificity in neuroimaging. <i>NeuroImage</i> , 2007, 35, 991-997.	4.2	35
42	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
43	The Open Brain Consent: Informing research participants and obtaining consent to share brain imaging data. <i>Human Brain Mapping</i> , 2021, 42, 1945-1951.	3.6	27
44	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. <i>Neuron</i> , 2021, 109, 1769-1775.	8.1	27
45	Transcranial ultrasound pulse stimulation reduces cortical atrophy in Alzheimer's patients: A follow-up study. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2021, 7, e12121.	3.7	27
46	Verb and noun generation tasks in Huntington's disease. <i>Movement Disorders</i> , 2004, 19, 565-571.	3.9	25
47	A critical analysis of neuroanatomical software protocols reveals clinically relevant differences in parcellation schemes. <i>NeuroImage</i> , 2018, 170, 348-364.	4.2	22
48	Mindfulness related changes in grey matter: a systematic review and meta-analysis. <i>Brain Imaging and Behavior</i> , 2021, 15, 2720-2730.	2.1	22
49	From BIDS-Formatted EEG Data to Sensor-Space Group Results: A Fully Reproducible Workflow With EEGLAB and LIMO EEG. <i>Frontiers in Neuroscience</i> , 2020, 14, 610388.	2.8	21
50	The role of brain-derived neurotrophic factor in learned fear processing: an awake rat fMRI study. <i>Genes, Brain and Behavior</i> , 2016, 15, 221-230.	2.2	20
51	PET-BIDS, an extension to the brain imaging data structure for positron emission tomography. <i>Scientific Data</i> , 2022, 9, 65.	5.3	20
52	Classification images reveal the information sensitivity of brain voxels in fMRI. <i>NeuroImage</i> , 2008, 40, 1643-1654.	4.2	19
53	Early ERPs to faces and objects are driven by phase, not amplitude spectrum information: Evidence from parametric, test-retest, single-subject analyses. <i>Journal of Vision</i> , 2012, 12, 12-12.	0.3	19
54	Null hypothesis significance testing: a short tutorial. <i>F1000Research</i> , 2015, 4, 621.	1.6	19

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55	A structural and functional magnetic resonance imaging dataset of brain tumour patients. <i>Scientific Data</i> , 2016, 3, 160003.	5.3	18
56	Parafoveal-on-foveal and foveal word priming are different processes: Behavioral and neurophysiological evidence. <i>NeuroImage</i> , 2007, 38, 321-330.	4.2	16
57	Automatic domain-general processing of sound source identity in the left posterior middle frontal gyrus. <i>Cortex</i> , 2014, 58, 170-185.	2.4	15
58	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
59	Improved methods for making inferences about multiple skipped correlations. <i>Journal of Statistical Computation and Simulation</i> , 2018, 88, 3116-3131.	1.2	13
60	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
61	Null hypothesis significance testing: a short tutorial. <i>F1000Research</i> , 2015, 4, 621.	1.6	12
62	Null hypothesis significance testing: a guide to commonly misunderstood concepts and recommendations for good practice. <i>F1000Research</i> , 0, 4, 621.	1.6	12
63	Overlapping but Divergent Neural Correlates Underpinning Audiovisual Synchrony and Temporal Order Judgments. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 274.	2.0	11
64	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
65	Longitudinal multi-centre brain imaging studies: guidelines and practical tips for accurate and reproducible imaging endpoints and data sharing. <i>Trials</i> , 2019, 20, 21.	1.6	9
66	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. <i>BMJ Open</i> , 2019, 9, e026152.	1.9	9
67	Single-subject analyses of magnetoencephalographic evoked responses to the acoustic properties of affective non-verbal vocalizations. <i>Frontiers in Neuroscience</i> , 2014, 8, 422.	2.8	8
68	Hemispheric association and dissociation of voice and speech information processing in stroke. <i>Cortex</i> , 2015, 71, 232-239.	2.4	7
69	Can We Standardize Clinical Functional Neuroimaging Procedures?. <i>Frontiers in Neurology</i> , 2019, 9, 1153.	2.4	7
70	The genetics-BIDS extension: Easing the search for genetic data associated with human brain imaging. <i>GigaScience</i> , 2020, 9, .	6.4	7
71	Null hypothesis significance testing: a guide to commonly misunderstood concepts and recommendations for good practice. <i>F1000Research</i> , 0, 4, 621.	1.6	7
72	A systematic review on the use of quantitative imaging to detect cancer therapy adverse effects in normal-appearing brain tissue. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 163-186.	2.0	7

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73	Behavioral evidence of a dissociation between voice gender categorization and phoneme categorization using auditory morphed stimuli. <i>Frontiers in Psychology</i> , 2014, 4, 1018.	2.1	6
74	The General Linear Model: Theory and Practicalities in Brain Morphometric Analyses. <i>Neuroinformatics</i> , 2018, , 75-85.	0.3	5
75	Null hypothesis significance testing: a short tutorial. <i>F1000Research</i> , 0, 4, 621.	1.6	5
76	Data visualization for inference in tomographic brain imaging. <i>European Journal of Neuroscience</i> , 2020, 51, 695-705.	2.6	4
77	Tools for Importing and Evaluating BIDS-EEG Formatted Data. , 2021, , .		3
78	Coupling cognitive and brainstem dysfunction in multiple sclerosis-related chronic neuropathic limb pain. <i>Brain Communications</i> , 2022, 4, .	3.3	3
79	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
80	Manually-parcellated gyral data accounting for all known anatomical variability. <i>Scientific Data</i> , 2019, 6, 190001.	5.3	2