

# Jean-Baptiste Poline

## List of Publications by Year in Descending Order

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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.

75  
papers

5,154  
citations

29  
h-index

71  
g-index

91  
ext. papers

7,043  
ext. citations

7.9  
avg, IF

5.37  
L-index

#	Paper	IF	Citations
75	Beyond advertising: New infrastructures for publishing integrated research objects.. <i>PLoS Computational Biology</i> , <b>2022</b> , 18, e1009651	5	1
74	Is Neuroscience FAIR? A Call for Collaborative Standardisation of Neuroscience Data.. <i>Neuroinformatics</i> , <b>2022</b> , 1	3.2	0
73	Population heterogeneity in clinical cohorts affects the predictive accuracy of brain imaging.. <i>PLoS Biology</i> , <b>2022</b> , 20, e3001627	9.7	1
72	Recommendations for repositories and scientific gateways from a neuroscience perspective.. <i>Scientific Data</i> , <b>2022</b> , 9, 212	8.2	0
71	Standardizing workflows in imaging transcriptomics with the abagen toolbox. <i>ELife</i> , <b>2021</b> , 10,	8.9	11
70	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. <i>Neuron</i> , <b>2021</b> , 109, 1769-1775	13.9	10
69	DataLad: distributed system for joint management of code, data, and their relationship. <i>Journal of Open Source Software</i> , <b>2021</b> , 6, 3262	5.2	15
68	Understanding the impact of preprocessing pipelines on neuroimaging cortical surface analyses. <i>GigaScience</i> , <b>2021</b> , 10,	7.6	7
67	Open science datasets from PREVENT-AD, a longitudinal cohort of pre-symptomatic Alzheimer's disease. <i>NeuroImage: Clinical</i> , <b>2021</b> , 31, 102733	5.3	7
66	In defense of decentralized research data management. <i>Neuroforum</i> , <b>2021</b> ,	0.7	5
65	A Standards Organization for Open and FAIR Neuroscience: the International Neuroinformatics Coordinating Facility. <i>Neuroinformatics</i> , <b>2021</b> , 1	3.2	9
64	Promoting FAIR Data Through Community-driven Agile Design: the Open Data Commons for Spinal Cord Injury (odc-sci.org). <i>Neuroinformatics</i> , <b>2021</b> , 1	3.2	1
63	BIDSonym: a BIDS App for the pseudo-anonymization of neuroimaging datasets. <i>Journal of Open Source Software</i> , <b>2021</b> , 6, 3169	5.2	0
62	Preventing dataset shift from breaking machine-learning biomarkers. <i>GigaScience</i> , <b>2021</b> , 10,	7.6	4
61	Variability in the analysis of a single neuroimaging dataset by many teams. <i>Nature</i> , <b>2020</b> , 582, 84-88	50.4	281
60	Polygenic Architecture of Human Neuroanatomical Diversity. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 2307-2320	5.1	7
59	Genome wide association study of incomplete hippocampal inversion in adolescents. <i>PLoS ONE</i> , <b>2020</b> , 15, e0227355	3.7	6

58	Nature abhors a paywall: How open science can realize the potential of naturalistic stimuli. <i>NeuroImage</i> , <b>2020</b> , 216, 116330	7.9	10
57	Asymmetric influence measure for high dimensional regression. <i>Communications in Statistics - Theory and Methods</i> , <b>2020</b> , 1-27	0.5	1
56	From the Wet Lab to the Web Lab: A Paradigm Shift in Brain Imaging Research. <i>Frontiers in Neuroinformatics</i> , <b>2019</b> , 13, 3	3.9	3
55	Everything Matters: The ReproNim Perspective on Reproducible Neuroimaging. <i>Frontiers in Neuroinformatics</i> , <b>2019</b> , 13, 1	3.9	42
54	From data sharing to data publishing [version 2; peer review: 2 approved, 1 approved with reservations]. <i>MNI Open Research</i> , <b>2019</b> , 2,	1	3
53	PyBIDS: Python tools for BIDS datasets. <i>Journal of Open Source Software</i> , <b>2019</b> , 4,	5.2	13
52	Making replication prestigious. <i>Behavioral and Brain Sciences</i> , <b>2018</b> , 41, e131	0.9	4
51	Influences of Age, Sex, and Moderate Alcohol Drinking on the Intrinsic Functional Architecture of Adolescent Brains. <i>Cerebral Cortex</i> , <b>2018</b> , 28, 1049-1063	5.1	20
50	Teaching Computational Reproducibility for Neuroimaging. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 727	5.1	10
49	Atlases of cognition with large-scale human brain mapping. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006565	5.5	31
48	Experimenting with reproducibility: a case study of robustness in bioinformatics. <i>GigaScience</i> , <b>2018</b> , 7,	7.6	22
47	Improving data availability for brain image biobanking in healthy subjects: Practice-based suggestions from an international multidisciplinary working group. <i>NeuroImage</i> , <b>2017</b> , 153, 399-409	7.9	12
46	Best practices in data analysis and sharing in neuroimaging using MRI. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 299-303	25.5	312
45	Toward standard practices for sharing computer code and programs in neuroscience. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 770-773	25.5	56
44	Scanning the horizon: towards transparent and reproducible neuroimaging research. <i>Nature Reviews Neuroscience</i> , <b>2017</b> , 18, 115-126	13.5	646
43	A very simple, re-executable neuroimaging publication. <i>F1000Research</i> , <b>2017</b> , 6, 124	3.6	11
42	A very simple, re-executable neuroimaging publication. <i>F1000Research</i> , <b>2017</b> , 6, 124	3.6	10
41	NeuroVault.org: A repository for sharing unthresholded statistical maps, parcellations, and atlases of the human brain. <i>NeuroImage</i> , <b>2016</b> , 124, 1242-1244	7.9	55

40	The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments. <i>Scientific Data</i> , <b>2016</b> , 3, 160044	8.2	510
39	Brainhack: a collaborative workshop for the open neuroscience community. <i>GigaScience</i> , <b>2016</b> , 5, 16	7.6	23
38	Sharing brain mapping statistical results with the neuroimaging data model. <i>Scientific Data</i> , <b>2016</b> , 3, 160802	8.2	26
37	Ongoing dynamics in large-scale functional connectivity predict perception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 8463-8	11.5	152
36	Contrasts and Inferences <b>2015</b> , 471-475		
35	Improving functional magnetic resonance imaging reproducibility. <i>GigaScience</i> , <b>2015</b> , 4, 15	7.6	29
34	Genomic architecture of human neuroanatomical diversity. <i>Molecular Psychiatry</i> , <b>2015</b> , 20, 1011-6	15.1	39
33	NeuroVault.org: a web-based repository for collecting and sharing unthresholded statistical maps of the human brain. <i>Frontiers in Neuroinformatics</i> , <b>2015</b> , 9, 8	3.9	332
32	Robust regression for large-scale neuroimaging studies. <i>NeuroImage</i> , <b>2015</b> , 111, 431-41	7.9	13
31	BRAIN NETWORKS. Correlated gene expression supports synchronous activity in brain networks. <i>Science</i> , <b>2015</b> , 348, 1241-4	33.3	355
30	The publication and reproducibility challenges of shared data. <i>Trends in Cognitive Sciences</i> , <b>2015</b> , 19, 59-64	6.1	29
29	Orthogonalization of regressors in fMRI models. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126255	3.7	145
28	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , <b>2014</b> , 8, 153-82	4.1	539
27	Interoperable atlases of the human brain. <i>NeuroImage</i> , <b>2014</b> , 99, 525-32	7.9	56
26	Which fMRI clustering gives good brain parcellations?. <i>Frontiers in Neuroscience</i> , <b>2014</b> , 8, 167	5.1	208
25	Why shared data should not be acknowledged on the author byline. <i>NeuroImage</i> , <b>2012</b> , 59, 4189-95	7.9	21
24	The general linear model and fMRI: does love last forever?. <i>NeuroImage</i> , <b>2012</b> , 62, 871-80	7.9	84
23	Very large fMRI study using the IMAGEN database: sensitivity-specificity and population effect modeling in relation to the underlying anatomy. <i>NeuroImage</i> , <b>2012</b> , 61, 295-303	7.9	33

22	An empirical comparison of surface-based and volume-based group studies in neuroimaging. <i>NeuroImage</i> , <b>2012</b> , 63, 1443-53	7.9	54
21	PyXNAT: XNAT in Python. <i>Frontiers in Neuroinformatics</i> , <b>2012</b> , 6, 12	3.9	29
20	Data sharing in neuroimaging research. <i>Frontiers in Neuroinformatics</i> , <b>2012</b> , 6, 9	3.9	171
19	Dealing with the shortcomings of spatial normalization: multi-subject parcellation of fMRI datasets. <i>Human Brain Mapping</i> , <b>2006</b> , 27, 678-93	5.9	139
18	Unsupervised robust nonparametric estimation of the hemodynamic response function for any fMRI experiment. <i>IEEE Transactions on Medical Imaging</i> , <b>2003</b> , 22, 1235-51	11.7	81
17	Multivariate model specification for fMRI data. <i>NeuroImage</i> , <b>2002</b> , 16, 1068-83	7.9	57
16	Estimating the delay of the fMRI response. <i>NeuroImage</i> , <b>2002</b> , 16, 593-606	7.9	96
15	Characterizing the response of PET and fMRI data using multivariate linear models. <i>NeuroImage</i> , <b>1997</b> , 6, 305-19	7.9	214
14	From data sharing to data publishing. <i>MNI Open Research</i> , 2, 1	1	
13	Understanding the impact of preprocessing pipelines on neuroimaging cortical surface analyses		2
12	NeuroVault.org: A web-based repository for collecting and sharing unthresholded statistical maps of the human brain		4
11	Sharing brain mapping statistical results with the neuroimaging data model		2
10	Towards standard practices for sharing computer code and programs in neuroscience		4
9	Linked Data in Neuroscience: Applications, Benefits, and Challenges		3
8	Best Practices in Data Analysis and Sharing in Neuroimaging using MRI		37
7	Scanning the Horizon: Towards transparent and reproducible neuroimaging research		5
6	Experimenting with reproducibility in bioinformatics		1
5	Open Science Datasets from PREVENT-AD, a Longitudinal Cohort of Pre-symptomatic Alzheimer's Disease		5

4	An empirical evaluation of functional alignment using inter-subject decoding	3
3	Polygenic architecture of human neuroanatomical diversity	3
2	Variability in the analysis of a single neuroimaging dataset by many teams	13
1	Standardizing workflows in imaging transcriptomics with the abagen toolbox	5