

# Matthew Brett

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10480475/publications.pdf>

Version: 2024-02-01

23  
papers

37,514  
citations

304743

22  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

43218  
citing authors

#	ARTICLE	IF	CITATIONS
1	SciPy 1.0: fundamental algorithms for scientific computing in Python. <i>Nature Methods</i> , 2020, 17, 261-272.	19.0	17,539
2	Array programming with NumPy. <i>Nature</i> , 2020, 585, 357-362.	27.8	10,143
3	Stereotaxic Display of Brain Lesions. <i>Behavioural Neurology</i> , 2000, 12, 191-200.	2.1	2,289
4	The problem of functional localization in the human brain. <i>Nature Reviews Neuroscience</i> , 2002, 3, 243-249.	10.2	1,104
5	Dipy, a library for the analysis of diffusion MRI data. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 8.	2.5	891
6	Rhythm and Beat Perception in Motor Areas of the Brain. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 893-906.	2.3	863
7	Spatial Normalization of Brain Images with Focal Lesions Using Cost Function Masking. <i>NeuroImage</i> , 2001, 14, 486-500.	4.2	817
8	Prefrontal cortical function and anxiety: controlling attention to threat-related stimuli. <i>Nature Neuroscience</i> , 2004, 7, 184-188.	14.8	815
9	Guidelines for reporting an fMRI study. <i>NeuroImage</i> , 2008, 40, 409-414.	4.2	466
10	Impairment of beat-based rhythm discrimination in Parkinson's disease. <i>Cortex</i> , 2009, 45, 54-61.	2.4	291
11	Spatial normalization of lesioned brains: Performance evaluation and impact on fMRI analyses. <i>NeuroImage</i> , 2007, 37, 866-875.	4.2	258
12	QuickBundles, a Method for Tractography Simplification. <i>Frontiers in Neuroscience</i> , 2012, 6, 175.	2.8	226
13	An Evaluation of the Use of Magnetic Field Maps to Undistort Echo-Planar Images. <i>NeuroImage</i> , 2003, 18, 127-142.	4.2	205
14	Large, colorful, or noisy? Attribute- and modality-specific activations during retrieval of perceptual attribute knowledge. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2001, 1, 207-221.	2.0	130
15	Multiresolution Analysis of Emission Tomography Images in the Wavelet Domain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 1189-1208.	4.3	116
16	The neural basis of autobiographical and semantic memory: New evidence from three PET studies. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2003, 3, 234-254.	2.0	116
17	Analysis of Functional Magnetic Resonance Imaging in Python. <i>Computing in Science and Engineering</i> , 2007, 9, 52-55.	1.2	65
18	Absence of Face-specific Cortical Activity in the Complete Absence of Awareness: Converging Evidence from Functional Magnetic Resonance Imaging and Event-related Potentials. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 396-415.	2.3	39

#	ARTICLE	IF	CITATIONS
19	Statistical Modeling of Positron Emission Tomography Images in Wavelet Space. Journal of Cerebral Blood Flow and Metabolism, 2000, 20, 1610-1618.	4.3	34
20	Dissociable contributions of the mid-ventrolateral frontal cortex and the medial temporal lobe system to human memory. NeuroImage, 2006, 31, 1790-1801.	4.2	30
21	Teaching Computational Reproducibility for Neuroimaging. Frontiers in Neuroscience, 2018, 12, 727.	2.8	15
22	HBM functional imaging analysis contest data analysis in wavelet space. Human Brain Mapping, 2006, 27, 372-379.	3.6	4
23	Statistical Estimation of PET Images in the Wavelet Domain. , 2001, , 29-33.		0