

Matthew Brett

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

37,514
citations

304701
22
h-index

580810
25
g-index

26
all docs

26
docs citations

26
times ranked

43218
citing authors

#	ARTICLE	IF	CITATIONS
1	Array programming with NumPy. Nature, 2020, 585, 357-362.	27.8	10,143
2	SciPy 1.0: fundamental algorithms for scientific computing in Python. Nature Methods, 2020, 17, 261-272.	19.0	17,539
3	Teaching Computational Reproducibility for Neuroimaging. Frontiers in Neuroscience, 2018, 12, 727.	2.8	15
4	Dipy, a library for the analysis of diffusion MRI data. Frontiers in Neuroinformatics, 2014, 8, 8.	2.5	891
5	Absence of Face-specific Cortical Activity in the Complete Absence of Awareness: Converging Evidence from Functional Magnetic Resonance Imaging and Event-related Potentials. Journal of Cognitive Neuroscience, 2012, 24, 396-415.	2.3	39
6	QuickBundles, a Method for Tractography Simplification. Frontiers in Neuroscience, 2012, 6, 175.	2.8	226
7	Impairment of beat-based rhythm discrimination in Parkinson's disease. Cortex, 2009, 45, 54-61.	2.4	291
8	Guidelines for reporting an fMRI study. NeuroImage, 2008, 40, 409-414.	4.2	466
9	Rhythm and Beat Perception in Motor Areas of the Brain. Journal of Cognitive Neuroscience, 2007, 19, 893-906.	2.3	863
10	Spatial normalization of lesioned brains: Performance evaluation and impact on fMRI analyses. NeuroImage, 2007, 37, 866-875.	4.2	258
11	Analysis of Functional Magnetic Resonance Imaging in Python. Computing in Science and Engineering, 2007, 9, 52-55.	1.2	65
12	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
13	HBM functional imaging analysis contest data analysis in wavelet space. Human Brain Mapping, 2006, 27, 372-379.	3.6	4
14	Prefrontal cortical function and anxiety: controlling attention to threat-related stimuli. Nature Neuroscience, 2004, 7, 184-188.	14.8	815
15	The neural basis of autobiographical and semantic memory: New evidence from three PET studies. Cognitive, Affective and Behavioral Neuroscience, 2003, 3, 234-254.	2.0	116
16	An Evaluation of the Use of Magnetic Field Maps to Undistort Echo-Planar Images. NeuroImage, 2003, 18, 127-142.	4.2	205
17	The problem of functional localization in the human brain. Nature Reviews Neuroscience, 2002, 3, 243-249.	10.2	1,104
18	Spatial Normalization of Brain Images with Focal Lesions Using Cost Function Masking. NeuroImage, 2001, 14, 486-500.	4.2	817

#	ARTICLE	IF	CITATIONS
19	Large, colorful, or noisy? Attribute- and modality-specific activations during retrieval of perceptual attribute knowledge. Cognitive, Affective and Behavioral Neuroscience, 2001, 1, 207-221.	2.0	130
20	Statistical Estimation of PET Images in the Wavelet Domain. , 2001, , 29-33.		0
21	Statistical Modeling of Positron Emission Tomography Images in Wavelet Space. Journal of Cerebral Blood Flow and Metabolism, 2000, 20, 1610-1618.	4.3	34
22	Stereotaxic Display of Brain Lesions. Behavioural Neurology, 2000, 12, 191-200.	2.1	2,289
23	Multiresolution Analysis of Emission Tomography Images in the Wavelet Domain. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 1189-1208.	4.3	116