Oscar Esteban

List of Publications by Year
in descending order

28 papers	4,234 citations
840776 11 h-index	610901 24 g-index
61 all docs	61 docs citations
61 times ranked	6176 citing authors

#	Article	IF	Citations
1	fMRIPrep: a robust preprocessing pipeline for functional MRI. Nature Methods, 2019, 16, 111-116.	19.0	1,830
2	The challenge of mapping the human connectome based on diffusion tractography. Nature Communications, 2017, 8, 1349.	12.8	956
3	MRIQC: Advancing the automatic prediction of image quality in MRI from unseen sites. PLoS ONE, 2017, 12, e0184661.	2.5	538
4	BIDS apps: Improving ease of use, accessibility, and reproducibility of neuroimaging data analysis methods. PLoS Computational Biology, 2017, 13, e1005209.	3.2	218
5	The OpenNeuro resource for sharing of neuroscience data. ELife, 2021, 10, .	6.0	137
6	Analysis of task-based functional MRI data preprocessed with fMRIPrep. Nature Protocols, 2020, 15, 2186-2202.	12.0	78
7	Crowdsourced MRI quality metrics and expert quality annotations for training of humans and machines. Scientific Data, 2019, 6, 30.	5.3	43
8	PyBIDS: Python tools for BIDS datasets. Journal of Open Source Software, 2019, 4, 1294.	4.6	32
9	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. Neuron, 2021, 109, 1769-1775.	8.1	27
10	FocusDET, A New Toolbox for SISCOM Analysis. Evaluation of the Registration Accuracy Using Monte Carlo Simulation. Neuroinformatics, 2013, 11, 77-89.	2.8	22
11	Centering inclusivity in the design of online conferences—An OHBM–Open Science perspective. GigaScience, 2021, 10, .	6.4	14
12	A data resource from concurrent intracranial stimulation and functional MRI of the human brain. Scientific Data, 2020, 7, 258.	5.3	13
13	ASLPrep: a platform for processing of arterial spin labeled MRI and quantification of regional brain perfusion. Nature Methods, 2022, 19, 683-686.	19.0	13
14	Including Anatomical and Functional Information in MC Simulation of PET and SPECT Brain Studies. Brain-VISET: A Voxel-Based Iterative Method. IEEE Transactions on Medical Imaging, 2014, 33, 1931-1938.	8.9	12
15	Surface-driven registration method for the structure-informed segmentation of diffusion MR images. NeuroImage, 2016, 139, 450-461.	4.2	12
16	Simulation-based evaluation of susceptibility distortion correction methods in diffusion MRI for connectivity analysis. , 2014, , .		9
17	Age-Specific Adult Rat Brain MRI Templates and Tissue Probability Maps. Frontiers in Neuroinformatics, 2021, 15, 669049.	2.5	5
18	MBIS: Multivariate Bayesian Image Segmentation tool. Computer Methods and Programs in Biomedicine, 2014, 115, 76-94.	4.7	4

#	Article	IF	Citations
19	Launcher: A simple tool for executing high throughput computing workloads. Journal of Open Source Software, 2017, 2, 289.	4.6	4
20	Diffantom: Whole-Brain Diffusion MRI Phantoms Derived from Real Datasets of the Human Connectome Project. Frontiers in Neuroinformatics, 2016, 10, 4.	2.5	3
21	Searching for Imaging Biomarkers of Psychotic Dysconnectivity. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 1135-1144.	1.5	2
22	Atlas-Based Brain Extraction Is Robust Across RAT MRI Studies. , 2021, , .		2
23	Pydra - a flexible and lightweight dataflow engine for scientific analyses. , 2020, , .		2
24	QuantiDOPA: A Quantification Software for Dopaminergic Neurotransmission SPECT. IFMBE Proceedings, 2014, , 443-446.	0.3	1
25	Data on the verification and validation of segmentation and registration methods for diffusion MRI. Data in Brief, 2016, 8, 871-876.	1.0	1
26	NiTransforms: A Python tool to read, represent, manipulate, and apply dimensional spatial transforms. Journal of Open Source Software, 2021, 6, 3459.	4.6	1
27	Improving Out-of-Sample Prediction of Quality of MRIQC. Lecture Notes in Computer Science, 2018, , 190-199.	1.3	0
28	Software Tool to Read, Represent, Manipulate, and Apply N-Dimensional Spatial Transforms. , 2020, , .		0