

Emanuele Olivetti

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.

47
papers

7,225
citations

11
h-index

56
g-index

56
ext. papers

13,268
ext. citations

4.9
avg, IF

4.7
L-index

#	Paper	IF	Citations
47	Planning Brain Tumor Resection Using a Probabilistic Atlas of Cortical and Subcortical Structures Critical for Functional Processing: A Proof of Concept. <i>Operative Neurosurgery</i> , 2021 , 20, E175-E183	1.6	4
46	Classifyber, a robust streamline-based linear classifier for white matter bundle segmentation. <i>NeuroImage</i> , 2021 , 224, 117402	7.9	7
45	Design of experiment rational optimization of an inkjet deposition of silver on Kapton. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	5
44	Variability in the analysis of a single neuroimaging dataset by many teams. <i>Nature</i> , 2020 , 582, 84-88	50.4	281
43	SciPy 1.0: fundamental algorithms for scientific computing in Python. <i>Nature Methods</i> , 2020 , 17, 261-272	21.6	6244
42	Nonlinear Alignment of Whole Tractograms with the Linear Assignment Problem. <i>Lecture Notes in Computer Science</i> , 2020 , 3-11	0.9	0
41	Automatic Tissue Segmentation with Deep Learning in Patients with Congenital or Acquired Distortion of Brain Anatomy. <i>Lecture Notes in Computer Science</i> , 2020 , 13-22	0.9	
40	Tractogram Filtering of Anatomically Non-plausible Fibers with Geometric Deep Learning. <i>Lecture Notes in Computer Science</i> , 2020 , 291-301	0.9	3
39	Anatomically-Informed Multiple Linear Assignment Problems for White Matter Bundle Segmentation 2019 ,		1
38	The open diffusion data derivatives, brain data upcycling via integrated publishing of derivatives and reproducible open cloud services. <i>Scientific Data</i> , 2019 , 6, 69	8.2	30
37	Photogrammetry of the Human Brain: A Novel Method for Three-Dimensional Quantitative Exploration of the Structural Connectivity in Neurosurgery and Neurosciences. <i>World Neurosurgery</i> , 2018 , 115, e279-e291	2.1	28
36	Classification-Based Prediction of Effective Connectivity Between Timeseries With a Realistic Cortical Network Model. <i>Frontiers in Computational Neuroscience</i> , 2018 , 12, 38	3.5	
35	White Matter Tract Segmentation as Multiple Linear Assignment Problems. <i>Frontiers in Neuroscience</i> , 2017 , 11, 754	5.1	9
34	Comparison of distances for supervised segmentation of white matter tractography 2017 ,		5
33	Supervised Estimation of Granger-Based Causality between Time Series. <i>Frontiers in Neuroinformatics</i> , 2017 , 11, 68	3.9	4
32	Bayesian estimation of directed functional coupling from brain recordings. <i>PLoS ONE</i> , 2017 , 12, e0177359	3.7	2
31	Differential Effects of Brain Disorders on Structural and Functional Connectivity. <i>Frontiers in Neuroscience</i> , 2016 , 10, 605	5.1	9

30	Mapping Tractography Across Subjects. <i>Lecture Notes in Computer Science</i> , 2016 , 21-28	0.9	
29	Classification-Based Causality Detection in Time Series. <i>Lecture Notes in Computer Science</i> , 2016 , 85-93	0.9	
28	Alignment of Tractograms As Graph Matching. <i>Frontiers in Neuroscience</i> , 2016 , 10, 554	5.1	11
27	Alignment of Tractograms as Linear Assignment Problem. <i>Mathematics and Visualization</i> , 2016 , 109-120	0.6	5
26	Multi-Task Learning for Interpretation of Brain Decoding Models. <i>Lecture Notes in Computer Science</i> , 2016 , 3-11	0.9	1
25	Statistical independence for the evaluation of classifier-based diagnosis. <i>Brain Informatics</i> , 2015 , 2, 13-19	3.9	3
24	Tractome: a visual data mining tool for brain connectivity analysis. <i>Data Mining and Knowledge Discovery</i> , 2015 , 29, 1258-1279	5.6	10
23	Sensor-level maps with the kernel two-sample test 2014 ,		1
22	MEG decoding across subjects 2014 ,		17
21	Discrete Cosine Transform for MEG Signal Decoding 2013 ,		4
20	The Kernel Two-Sample Test vs. Brain Decoding 2013 ,		3
19	Fast Clustering for Interactive Tractography Segmentation 2013 ,		8
18	Bayesian hypothesis testing for pattern discrimination in brain decoding. <i>Pattern Recognition</i> , 2012 , 45, 2075-2084	7.7	11
17	Testing Multiclass Pattern Discrimination 2012 ,		1
16	Classification of Multichannel Signals With Cumulant-Based Kernels. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 2304-2314	4.8	8
15	ADHD diagnosis from multiple data sources with batch effects. <i>Frontiers in Systems Neuroscience</i> , 2012 , 6, 70	3.5	13
14	The Approximation of the Dissimilarity Projection 2012 ,		7
13	Induction in Neuroscience with Classification: Issues and Solutions. <i>Lecture Notes in Computer Science</i> , 2012 , 42-50	0.9	4

12	Intercepting the First Pass: Rapid Categorization is Suppressed for Unseen Stimuli. <i>Frontiers in Psychology</i> , 2011 , 2, 198	3.4	12
11	Testing for Information with Brain Decoding 2011 ,		3
10	Supervised Segmentation of Fiber Tracts. <i>Lecture Notes in Computer Science</i> , 2011 , 261-274	0.9	4
9	Brain decoding: Biases in error estimation 2010 ,		6
8	Brain connectivity analysis by reduction to pair classification 2010 ,		1
7	PyMVPA: A Unifying Approach to the Analysis of Neuroscientific Data. <i>Frontiers in Neuroinformatics</i> , 2009 , 3, 3	3.9	89
6	Inferring Cognition from fMRI Brain Images. <i>Lecture Notes in Computer Science</i> , 2007 , 869-878	0.9	6
5	Active sampling for detecting irrelevant features 2006 ,		7
4	Active Sampling for Knowledge Discovery from Biomedical Data. <i>Lecture Notes in Computer Science</i> , 2005 , 343-354	0.9	1
3	Principal component analysis and cluster analysis for measuring the local organisation of human atrial fibrillation. <i>Medical and Biological Engineering and Computing</i> , 2001 , 39, 656-63	3.1	28
2	Classifyber, a robust streamline-based linear classifier for white matter bundle segmentation		2
1	Variability in the analysis of a single neuroimaging dataset by many teams		13