Emanuele Olivetti

List of Publications by Year
in descending order

53	19,585	759233	414414
papers	citations	12 h-index	32 g-index

56	56	56	29908
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DBB - A Distorted Brain Benchmark for Automatic Tissue Segmentation in Paediatric Patients. NeuroImage, 2022, 260, 119486.	4.2	5
2	Classifyber, a robust streamline-based linear classifier for white matter bundle segmentation. NeuroImage, 2021, 224, 117402.	4.2	26
3	Design of Experiment Rational Optimization of an Inkjet Deposition of Silver on Kapton. IEEE Sensors Journal, 2021, 21, 26304-26310.	4.7	7
4	Planning Brain Tumor Resection Using a Probabilistic Atlas of Cortical and Subcortical Structures Critical for Functional Processing: A Proof of Concept. Operative Neurosurgery, 2021, 20, E175-E183.	0.8	11
5	Variability in the analysis of a single neuroimaging dataset by many teams. Nature, 2020, 582, 84-88.	27.8	634
6	SciPy 1.0: fundamental algorithms for scientific computing in Python. Nature Methods, 2020, 17, 261-272.	19.0	17,539
7	Tractogram Filtering of Anatomically Non-plausible Fibers with Geometric Deep Learning. Lecture Notes in Computer Science, 2020, , 291-301.	1.3	12
8	Automatic Tissue Segmentation with Deep Learning in Patients with Congenital or Acquired Distortion of Brain Anatomy. Lecture Notes in Computer Science, 2020, , 13-22.	1.3	1
9	Nonlinear Alignment of Whole Tractograms with the Linear AssignmentÂProblem. Lecture Notes in Computer Science, 2020, , 3-11.	1.3	3
10	A Stem-Based Dissection of Inferior Fronto-Occipital Fasciculus with A Deep Learning Model. , 2020, , .		4
11	Anatomically-Informed Multiple Linear Assignment Problems for White Matter Bundle Segmentation. , 2019, , .		3
12	The open diffusion data derivatives, brain data upcycling via integrated publishing of derivatives and reproducible open cloud services. Scientific Data, 2019, 6, 69.	5.3	69
13	Photogrammetry of the Human Brain: A Novel Method for Three-Dimensional Quantitative Exploration of the Structural Connectivity in Neurosurgery and Neurosciences. World Neurosurgery, 2018, 115, e279-e291.	1.3	41
14	Classification-Based Prediction of Effective Connectivity Between Timeseries With a Realistic Cortical Network Model. Frontiers in Computational Neuroscience, 2018, 12, 38.	2.1	0
15	Comparison of distances for supervised segmentation of white matter tractography. , 2017, , .		10
16	Supervised Estimation of Granger-Based Causality between Time Series. Frontiers in Neuroinformatics, 2017, 11, 68.	2.5	5
17	Differential Effects of Brain Disorders on Structural and Functional Connectivity. Frontiers in Neuroscience, 2017, 10, 605.	2.8	12
18	White Matter Tract Segmentation as Multiple Linear Assignment Problems. Frontiers in Neuroscience, 2017, 11, 754.	2.8	13

#	Article	IF	Citations
19	Bayesian estimation of directed functional coupling from brain recordings. PLoS ONE, 2017, 12, e0177359.	2.5	2
20	Alignment of Tractograms As Graph Matching. Frontiers in Neuroscience, 2016, 10, 554.	2.8	16
21	Alignment of Tractograms as Linear Assignment Problem. Mathematics and Visualization, 2016, , 109-120.	0.6	5
22	Multi-Task Learning for Interpretation of Brain Decoding Models. Lecture Notes in Computer Science, 2016, , 3-11.	1.3	1
23	Classification-based tests for neuroimaging data analysis: comparison of best practices. , 2016, , .		0
24	Mapping Tractography Across Subjects. Lecture Notes in Computer Science, 2016, , 21-28.	1.3	1
25	Classification-Based Causality Detection in Time Series. Lecture Notes in Computer Science, 2016, , 85-93.	1.3	0
26	Tractome: a visual data mining tool for brain connectivity analysis. Data Mining and Knowledge Discovery, 2015, 29, 1258-1279.	3.7	16
27	A Bayesian Test for Comparing Classifier Errors. , 2015, , .		1
28	Statistical independence for the evaluation of classifier-based diagnosis. Brain Informatics, 2015, 2, 13-19.	3.0	9
29	Tractography Mapping for Dissimilarity Space across Subjects. , 2015, , .		1
30	Sensor-level maps with the kernel two-sample test. , 2014, , .		1
31	MEG decoding across subjects. , 2014, , .		26
32	Multiple-Scale Visualization of Large Data Based on Hierarchical Clustering. International Journal of Computer and Electrical Engineering, 2014, 6, 77-82.	0.2	1
33	Discrete Cosine Transform for MEG Signal Decoding. , 2013, , .		5
34	The Kernel Two-Sample Test vs. Brain Decoding. , 2013, , .		3
35	Fast Clustering for Interactive Tractography Segmentation. , 2013, , .		9
36	The Approximation of the Dissimilarity Projection. , 2012, , .		15

#	Article	IF	Citations
37	Testing Multiclass Pattern Discrimination. , 2012, , .		1
38	Classification of Multichannel Signals With Cumulant-Based Kernels. IEEE Transactions on Signal Processing, 2012, 60, 2304-2314.	5.3	12
39	ADHD diagnosis from multiple data sources with batch effects. Frontiers in Systems Neuroscience, 2012, 6, 70.	2.5	17
40	Bayesian hypothesis testing for pattern discrimination in brain decoding. Pattern Recognition, 2012, 45, 2075-2084.	8.1	15
41	Induction in Neuroscience with Classification: Issues and Solutions. Lecture Notes in Computer Science, 2012, , 42-50.	1.3	8
42	Testing for Information with Brain Decoding. , 2011, , .		3
43	Intercepting the First Pass: Rapid Categorization is Suppressed for Unseen Stimuli. Frontiers in Psychology, 2011, 2, 198.	2.1	14
44	Supervised Segmentation of Fiber Tracts. Lecture Notes in Computer Science, 2011, , 261-274.	1.3	7
45	Brain Decoding: Biases in Error Estimation. , 2010, , .		11
46	Brain connectivity analysis by reduction to pair classification. , 2010, , .		1
47	PyMVPA: a unifying approach to the analysis of neuroscientific data. Frontiers in Neuroinformatics, 2009, 3, 3.	2.5	98
48	Inferring Cognition from fMRI Brain Images. Lecture Notes in Computer Science, 2007, , 869-878.	1.3	11
49	Active Learning of Feature Relevance. Chapman & Hall/CRC Data Mining and Knowledge Discovery Series, 2007, , 87-107.	0.2	0
50	Active sampling for detecting irrelevant features. , 2006, , .		9
51	Active Sampling for Knowledge Discovery from Biomedical Data. Lecture Notes in Computer Science, 2005, , 343-354.	1.3	2
52	Principal component analysis and cluster analysis for measuring the local organisation of human atrial fibrillation. Medical and Biological Engineering and Computing, 2001, 39, 656-663.	2.8	30
53	APPLICATION OF PHOTOGRAMMETRY TO BRAIN ANATOMY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W4, 213-219.	0.2	4