

# Jonas Richiardi

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

3,504  
citations

257450

24  
h-index

233421

45  
g-index

69  
all docs

69  
docs citations

69  
times ranked

6157  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlated gene expression supports synchronous activity in brain networks. <i>Science</i> , 2015, 348, 1241-1244.	12.6	532
2	Principal components of functional connectivity: A new approach to study dynamic brain connectivity during rest. <i>NeuroImage</i> , 2013, 83, 937-950.	4.2	367
3	PRoNTo: Pattern Recognition for Neuroimaging Toolbox. <i>Neuroinformatics</i> , 2013, 11, 319-337.	2.8	367
4	Graph analysis of functional brain networks: practical issues in translational neuroscience. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130521.	4.0	313
5	Decoding brain states from fMRI connectivity graphs. <i>NeuroImage</i> , 2011, 56, 616-626.	4.2	263
6	The Multiscenario Multienvironment BioSecure Multimodal Database (BMDB). <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010, 32, 1097-1111.	13.9	176
7	Machine Learning with Brain Graphs: Predictive Modeling Approaches for Functional Imaging in Systems Neuroscience. <i>IEEE Signal Processing Magazine</i> , 2013, 30, 58-70.	5.6	135
8	Integration and segregation of large-scale brain networks during short-term task automatization. <i>Nature Communications</i> , 2016, 7, 13217.	12.8	127
9	Quantitative and Qualitative Analysis of Transient Fetal Compartments during Prenatal Human Brain Development. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 11.	1.7	97
10	To buy or not to buy – evaluating commercial AI solutions in radiology (the ECLAIR guidelines). <i>European Radiology</i> , 2021, 31, 3786-3796.	4.5	92
11	Classifying minimally disabled multiple sclerosis patients from resting state functional connectivity. <i>NeuroImage</i> , 2012, 62, 2021-2033.	4.2	87
12	Altered cerebrovascular reactivity velocity in mild cognitive impairment and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015, 36, 33-41.	3.1	84
13	Gaussian Mixture Models for on-line signature verification. , 2003, , .		65
14	Altered cortical and subcortical local coherence in obstructive sleep apnea: a functional magnetic resonance imaging study. <i>Journal of Sleep Research</i> , 2013, 22, 337-347.	3.2	65
15	Using fMRI connectivity to define a treatment-resistant form of post-traumatic stress disorder. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	65
16	EEG anomalies in adult ADHD subjects performing a working memory task. <i>Neuroscience</i> , 2013, 241, 135-146.	2.3	54
17	Artificial Intelligence in Musculoskeletal Imaging: Review of Current Literature, Challenges, and Trends. <i>Seminars in Musculoskeletal Radiology</i> , 2019, 23, 304-311.	0.7	51
18	Plasma neurofilament light and phosphorylated tau 181 as biomarkers of Alzheimer's disease pathology and clinical disease progression. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 65.	6.2	49

#	ARTICLE	IF	CITATIONS
19	Identifying motor functional neurological disorder using resting-state functional connectivity. <i>NeuroImage: Clinical</i> , 2018, 17, 163-168.	2.7	42
20	Identifying 22q11.2 Deletion Syndrome and Psychosis Using Resting-State Connectivity Patterns. <i>Brain Topography</i> , 2014, 27, 808-821.	1.8	34
21	CVSnet: A machine learning approach for automated central vein sign assessment in multiple sclerosis. <i>NMR in Biomedicine</i> , 2020, 33, e4283.	2.8	31
22	Multicontrast <i>connectometry</i> : A new tool to assess cerebellum alterations in early relapsingâ€remitting multiple sclerosis. <i>Human Brain Mapping</i> , 2015, 36, 1609-1619.	3.6	30
23	Writer Identification for Smart Meeting Room Systems. <i>Lecture Notes in Computer Science</i> , 2006, , 186-195.	1.3	30
24	Reliability-Based Decision Fusion in Multimodal Biometric Verification Systems. <i>Eurasip Journal on Advances in Signal Processing</i> , 2007, 2007, .	1.7	27
25	Comparing methods of detecting and segmenting unruptured intracranial aneurysms on TOF-MRAS: The ADAM challenge. <i>NeuroImage</i> , 2021, 238, 118216.	4.2	26
26	Neural Correlate of Anterograde Amnesia in Wernickeâ€Korsakoff Syndrome. <i>Brain Topography</i> , 2015, 28, 760-770.	1.8	24
27	Head Motion Parameters in fMRI Differ Between Patients with Mild Cognitive Impairment and Alzheimer Disease Versus Elderly Control Subjects. <i>Brain Topography</i> , 2014, 27, 801-807.	1.8	21
28	Large-scale functional network reorganization in 22q11.2 deletion syndrome revealed by modularity analysis. <i>Cortex</i> , 2016, 82, 86-99.	2.4	20
29	Multimodal biometrics for identity documents (). <i>Forensic Science International</i> , 2007, 167, 154-159.	2.2	19
30	Bayesian networks and information theory for audio-visual perception modeling. <i>Biological Cybernetics</i> , 2010, 103, 213-226.	1.3	18
31	Event-related potentials and changes of brain rhythm oscillations during working memory activation in patients with first-episode psychosis. <i>Journal of Psychiatry and Neuroscience</i> , 2012, 37, 95-105.	2.4	18
32	Pulsatile blood flow in human bone assessed by laser-Doppler flowmetry and the interpretation of photoplethysmographic signals. <i>Physiological Measurement</i> , 2013, 34, N25-N40.	2.1	18
33	Deep Learning to Automate Reference-Free Image Quality Assessment of Whole-Heart MR Images. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190123.	5.8	18
34	Impact of combining quality measures on biometric sample matching. , 2009, , .		13
35	Vector Space Embedding of Undirected Graphs with Fixed-cardinality Vertex Sequences for Classification. , 2010, , .		13
36	Haemodynamic responses to temperature changes of human skeletal muscle studied by laser-Doppler flowmetry. <i>Physiological Measurement</i> , 2012, 33, 1181-1197.	2.1	13

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37	Differences in Social Decision-Making between Proposers and Responders during the Ultimatum Game: An EEG Study. <i>Frontiers in Integrative Neuroscience</i> , 2017, 11, 13.	2.1	11
38	Attention-Related Potentials Allow for a Highly Accurate Discrimination of Mild Cognitive Impairment Subtypes. <i>Neurodegenerative Diseases</i> , 2013, 12, 59-70.	1.4	10
39	Confidence and reliability measures in speaker verification. <i>Journal of the Franklin Institute</i> , 2006, 343, 574-595.	3.4	8
40	Recent advances in supervised learning for brain graph classification. , 2013, , .		7
41	Learning with multi-site fMRI graph data. , 2014, , .		7
42	Periinfarct rewiring supports recovery after primary motor cortex stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2174-2184.	4.3	7
43	Machine learning algorithms on eye tracking trajectories to classify patients with spatial neglect. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 221, 106929.	4.7	7
44	Classifying Connectivity Graphs Using Graph and Vertex Attributes. , 2011, , .		6
45	Multi-centre classification of functional neurological disorders based on resting-state functional connectivity. <i>NeuroImage: Clinical</i> , 2022, 35, 103090.	2.7	6
46	Brain decoding of fMRI connectivity graphs using decision tree ensembles. , 2010, , .		4
47	Low-Dimensional Embedding of Functional Connectivity Graphs for Brain State Decoding. , 2010, , .		4
48	Functional connectivity eigennetworks reveal different brain dynamics in multiple sclerosis patients. , 2013, , .		4
49	Validating atlas-based lesion disconnectomics in multiple sclerosis: A retrospective multi-centric study. <i>NeuroImage: Clinical</i> , 2021, 32, 102817.	2.7	4
50	Preparing for a Second Attack: A Lesion Simulation Study on Network Resilience After Stroke. <i>Stroke</i> , 2022, 53, 2038-2047.	2.0	3
51	Low-level grounding in a multimodal mobile service robot conversational system using graphical models. <i>Intelligent Service Robotics</i> , 2008, 1, 3-26.	2.6	2
52	Abstract 25: Periinfarct Rewiring Supports Recovery After Primary Motor Cortex Stroke. <i>Stroke</i> , 2021, 52, .	2.0	1
53	Biometric Systems Evaluation. , 2011, , 117-124.		1
54	An Anatomically-Informed 3D CNN for Brain Aneurysm Classification with Weak Labels. <i>Lecture Notes in Computer Science</i> , 2020, , 56-66.	1.3	1

#	ARTICLE	IF	CITATIONS
55	The Cardiomyocyte in Heart Failure with Preserved Ejection Fractionâ€”Victim of Its Environment?. Cells, 2022, 11, 867.	4.1	1
56	Static Models of Derivative-Coordinates Phase Spaces for Multivariate Time Series Classification: An Application to Signature Verification. Lecture Notes in Computer Science, 2009, , 1200-1208.	1.3	0
57	Connectivity searchlight: A novel approach for MRI information mapping using multivariate connectivity. , 2013, , .		0
58	Two Test Statistics for Cross-Modal Graph Community Significance. , 2013, , .		0
59	P3â€418: INTEGRATIVE PREDICTION OF COGNITIVE DECLINE USING ATROPHY NETWORKS, CSF BIOMARKERS, AND GENOTYPE DATA. Alzheimer's and Dementia, 2018, 14, P1267.	0.8	0
60	Multivariate and predictive modelling of neural variability in mild cognitive impairment. , 2018, , .		0
61	Biometric Sample Quality. , 2011, , 104-110.		0
62	Dataâ€driven myelin water imaging based on T <sub>1</sub> and T <sub>2</sub> relaxometry. NMR in Biomedicine, 2021, , e4668.	2.8	0