

Enrico Amico

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,125
citations

331670

21
h-index

289244

40
g-index

60
all docs

60
docs citations

60
times ranked

2359
citing authors

#	ARTICLE	IF	CITATIONS
1	The physics of higher-order interactions in complex systems. <i>Nature Physics</i> , 2021, 17, 1093-1098.	16.7	287
2	Neural correlates of consciousness in patients who have emerged from a minimally conscious state: a cross-sectional multimodal imaging study. <i>Lancet Neurology</i> , The, 2016, 15, 830-842.	10.2	193
3	The quest for identifiability in human functional connectomes. <i>Scientific Reports</i> , 2018, 8, 8254.	3.3	184
4	Large-scale signatures of unconsciousness are consistent with a departure from critical dynamics. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20151027.	3.4	148
5	Mapping the functional connectome traits of levels of consciousness. <i>NeuroImage</i> , 2017, 148, 201-211.	4.2	109
6	Cortical reorganization in an astronaut's brain after long-duration spaceflight. <i>Brain Structure and Function</i> , 2016, 221, 2873-2876.	2.3	103
7	An independent SSVEP-based brain-computer interface in locked-in syndrome. <i>Journal of Neural Engineering</i> , 2014, 11, 035002.	3.5	99
8	Mapping higher-order relations between brain structure and function with embedded vector representations of connectomes. <i>Nature Communications</i> , 2018, 9, 2178.	12.8	95
9	Posterior Cingulate Cortex-Related Co-Activation Patterns: A Resting State fMRI Study in Propofol-Induced Loss of Consciousness. <i>PLoS ONE</i> , 2014, 9, e100012.	2.5	94
10	Mapping hybrid functional-structural connectivity traits in the human connectome. <i>Network Neuroscience</i> , 2018, 2, 306-322.	2.6	58
11	When makes you unique: Temporality of the human brain fingerprint. <i>Science Advances</i> , 2021, 7, eabj0751.	10.3	54
12	Cognitive complaints in older adults at risk for Alzheimer's disease are associated with altered resting-state networks. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 6, 40-49.	2.4	52
13	Multifaceted brain networks reconfiguration in disorders of consciousness uncovered by co-activation patterns. <i>Human Brain Mapping</i> , 2018, 39, 89-103.	3.6	49
14	Functional structure connectivity in patients with severe brain injury as measured by MRI-DWI and FDG-PET. <i>Human Brain Mapping</i> , 2016, 37, 3707-3720.	3.6	44
15	Functional Connectivity Substrates for tDCS Response in Minimally Conscious State Patients. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 257.	3.7	42
16	Uncovering multi-site identifiability based on resting-state functional connectomes. <i>NeuroImage</i> , 2019, 202, 115967.	4.2	41
17	Exploring MEG brain fingerprints: Evaluation, pitfalls, and interpretations. <i>NeuroImage</i> , 2021, 240, 118331.	4.2	41
18	Global structural integrity and effective connectivity in patients with disorders of consciousness. <i>Brain Stimulation</i> , 2018, 11, 358-365.	1.6	39

#	ARTICLE	IF	CITATIONS
19	Brain structure-function coupling provides signatures for task decoding and individual fingerprinting. <i>NeuroImage</i> , 2022, 250, 118970.	4.2	37
20	Ising model with conserved magnetization on the human connectome: Implications on the relation structure-function in wakefulness and anesthesia. <i>Chaos</i> , 2017, 27, 047407.	2.5	31
21	Clinical connectome fingerprints of cognitive decline. <i>NeuroImage</i> , 2021, 238, 118253.	4.2	31
22	Centralized and distributed cognitive task processing in the human connectome. <i>Network Neuroscience</i> , 2019, 3, 455-474.	2.6	30
23	GEFF: Graph embedding for functional fingerprinting. <i>NeuroImage</i> , 2020, 221, 117181.	4.2	28
24	Tracking Dynamic Interactions Between Structural and Functional Connectivity: A TMS/EEG-dMRI Study. <i>Brain Connectivity</i> , 2017, 7, 84-97.	1.7	23
25	Optimizing differential identifiability improves connectome predictive modeling of cognitive deficits from functional connectivity in Alzheimer's disease. <i>Human Brain Mapping</i> , 2021, 42, 3500-3516.	3.6	18
26	The disengaging brain: Dynamic transitions from cognitive engagement and alcoholism risk. <i>NeuroImage</i> , 2020, 209, 116515.	4.2	16
27	Multi-timescale hybrid components of the functional brain connectome: A bimodal EEG-fMRI decomposition. <i>Network Neuroscience</i> , 2020, 4, 658-677.	2.6	15
28	Uncovering differential identifiability in network properties of human brain functional connectomes. <i>Network Neuroscience</i> , 2020, 4, 698-713.	2.6	15
29	Toward an information theoretical description of communication in brain networks. <i>Network Neuroscience</i> , 2021, 5, 1-20.	2.6	15
30	Geodesic Distance on Optimally Regularized Functional Connectomes Uncovers Individual Fingerprints. <i>Brain Connectivity</i> , 2021, 11, 333-348.	1.7	15
31	The progressive loss of brain network fingerprints in Amyotrophic Lateral Sclerosis predicts clinical impairment. <i>NeuroImage: Clinical</i> , 2022, 35, 103095.	2.7	14
32	Modeling Communication Processes in the Human Connectome through Cooperative Learning. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 476-488.	6.4	11
33	Technology-based assessment in patients with disorders of consciousness. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2014, 50, 209-20.	0.4	11
34	Heritability Estimation of Reliable Connectomic Features. <i>Lecture Notes in Computer Science</i> , 2018, 11083, 58-66.	1.3	8
35	Brain-wide structural connectivity alterations under the control of Alzheimer risk genes. <i>International Journal of Computational Biology and Drug Design</i> , 2020, 13, 58.	0.3	7
36	Brain-wide structural connectivity alterations under the control of Alzheimer risk genes. <i>International Journal of Computational Biology and Drug Design</i> , 2020, 13, 58.	0.3	6

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37	The kinectome: A comprehensive kinematic map of human motion in health and disease. <i>Annals of the New York Academy of Sciences</i> , 2022, 1516, 247-261.	3.8	6
38	Measuring Consciousness Through Imaging. , 2016, , 51-65.		5
39	A morphospace of functional configuration to assess configural breadth based on brain functional networks. <i>Network Neuroscience</i> , 2021, 5, 666-688.	2.6	5
40	Joint exploration and mining of memory-relevant brain anatomic and connectomic patterns via a three-way association model. , 2018, 2018, 6-9.		4
41	Investigating dynamical information transfer in the brain following a TMS pulse: Insights from structural architecture. , 2015, 2015, 5396-9.		1
42	Dynamic Generative Model of the Human Brain in Resting-State. <i>Studies in Computational Intelligence</i> , 2018, , 1271-1283.	0.9	1
43	Improving Functional Connectome Fingerprinting with Degree-Normalization. <i>Brain Connectivity</i> , 2021, , .	1.7	1
44	Towards fingerprinting and identifiability within the Alzheimer's continuum using resting-state functional connectivity. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.8	0