

Luca Cocchi

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

6,582
citations

109311

35
h-index

98792

67
g-index

81
all docs

81
docs citations

81
times ranked

8360
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-brain anatomical networks: Does the choice of nodes matter?. <i>NeuroImage</i> , 2010, 50, 970-983.	4.2	1,072
2	Time-resolved resting-state brain networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10341-10346.	7.1	716
3	Disrupted Axonal Fiber Connectivity in Schizophrenia. <i>Biological Psychiatry</i> , 2011, 69, 80-89.	1.3	404
4	Dynamic cooperation and competition between brain systems during cognitive control. <i>Trends in Cognitive Sciences</i> , 2013, 17, 493-501.	7.8	379
5	Criticality in the brain: A synthesis of neurobiology, models and cognition. <i>Progress in Neurobiology</i> , 2017, 158, 132-152.	5.7	377
6	Connectome sensitivity or specificity: which is more important?. <i>NeuroImage</i> , 2016, 142, 407-420.	4.2	262
7	Connectivity differences in brain networks. <i>NeuroImage</i> , 2012, 60, 1055-1062.	4.2	233
8	Functional brain networks related to individual differences in human intelligence at rest. <i>Scientific Reports</i> , 2016, 6, 32328.	3.3	163
9	Subgenual Functional Connectivity Predicts Antidepressant Treatment Response to Transcranial Magnetic Stimulation: Independent Validation and Evaluation of Personalization. <i>Biological Psychiatry</i> , 2019, 86, e5-e7.	1.3	136
10	Decreased Functional Brain Connectivity in Adolescents with Internet Addiction. <i>PLoS ONE</i> , 2013, 8, e57831.	2.5	133
11	Reconfiguration of Brain Network Architectures between Resting-State and Complexity-Dependent Cognitive Reasoning. <i>Journal of Neuroscience</i> , 2017, 37, 8399-8411.	3.6	131
12	Altered Functional Brain Connectivity in a Non-Clinical Sample of Young Adults with Attention-Deficit/Hyperactivity Disorder. <i>Journal of Neuroscience</i> , 2012, 32, 17753-17761.	3.6	130
13	Disruption of structureâ€“function coupling in the schizophrenia connectome. <i>NeuroImage: Clinical</i> , 2014, 4, 779-787.	2.7	124
14	Imaging human brain networks to improve the clinical efficacy of non-invasive brain stimulation. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 57, 187-198.	6.1	121
15	Functional Magnetic Resonance Imagingâ€“Guided Personalization of Transcranial Magnetic Stimulation Treatment for Depression. <i>JAMA Psychiatry</i> , 2021, 78, 337.	11.0	121
16	Mapping how local perturbations influence systems-level brain dynamics. <i>NeuroImage</i> , 2017, 160, 97-112.	4.2	117
17	White matter microstructure in opiate addiction. <i>Addiction Biology</i> , 2012, 17, 141-148.	2.6	114
18	A hierarchy of timescales explains distinct effects of local inhibition of primary visual cortex and frontal eye fields. <i>ELife</i> , 2016, 5, .	6.0	93

#	ARTICLE	IF	CITATIONS
19	Movie viewing elicits rich and reliable brain state dynamics. <i>Nature Communications</i> , 2020, 11, 5004.	12.8	93
20	Personalized connectivity-guided <scp>DLPPFC</scp>TMS for depression: Advancing computational feasibility, precision and reproducibility. <i>Human Brain Mapping</i> , 2021, 42, 4155-4172.	3.6	88
21	White Matter Disruptions in Schizophrenia Are Spatially Widespread and Topologically Converge on Brain Network Hubs. <i>Schizophrenia Bulletin</i> , 2017, 43, sbw100.	4.3	85
22	Towards a post-traumatic subtype of obsessive-compulsive disorder. <i>Journal of Anxiety Disorders</i> , 2012, 26, 377-383.	3.2	83
23	Delayed Development of Brain Connectivity in Adolescents With Schizophrenia and Their Unaffected Siblings. <i>JAMA Psychiatry</i> , 2015, 72, 900.	11.0	80
24	Brain changes following four weeks of unimanual motor training: Evidence from behavior, neural stimulation, cortical thickness, and functional MRI. <i>Human Brain Mapping</i> , 2017, 38, 4773-4787.	3.6	79
25	Individual deviations from normative models of brain structure in a large cross-sectional schizophrenia cohort. <i>Molecular Psychiatry</i> , 2021, 26, 3512-3523.	7.9	78
26	Functional alterations of large-scale brain networks related to cognitive control in obsessive-compulsive disorder. <i>Human Brain Mapping</i> , 2012, 33, 1089-1106.	3.6	76
27	Complexity in Relational Processing Predicts Changes in Functional Brain Network Dynamics. <i>Cerebral Cortex</i> , 2014, 24, 2283-2296.	2.9	75
28	Brain network dynamics in schizophrenia: Reduced dynamism of the default mode network. <i>Human Brain Mapping</i> , 2019, 40, 2212-2228.	3.6	72
29	The Low-Dimensional Neural Architecture of Cognitive Complexity Is Related to Activity in Medial Thalamic Nuclei. <i>Neuron</i> , 2019, 104, 849-855.e3.	8.1	67
30	Large-scale brain modes reorganize between infant sleep states and carry prognostic information for preterms. <i>Nature Communications</i> , 2019, 10, 2619.	12.8	65
31	Dissociable effects of local inhibitory and excitatory theta-burst stimulation on large-scale brain dynamics. <i>Journal of Neurophysiology</i> , 2015, 113, 3375-3385.	1.8	62
32	Core and matrix thalamic sub-populations relate to spatio-temporal cortical connectivity gradients. <i>NeuroImage</i> , 2020, 222, 117224.	4.2	58
33	Interactions between default mode and control networks as a function of increasing cognitive reasoning complexity. <i>Human Brain Mapping</i> , 2015, 36, 2719-2731.	3.6	55
34	Personalized Transcranial Magnetic Stimulation in Psychiatry. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 731-741.	1.5	49
35	Reconfiguration of functional brain networks and metabolic cost converge during task performance. <i>ELife</i> , 2020, 9, .	6.0	49
36	Transcranial magnetic stimulation in obsessive-compulsive disorder: A focus on network mechanisms and state dependence. <i>NeuroImage: Clinical</i> , 2018, 19, 661-674.	2.7	47

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37	A multivariate neuroimaging biomarker of individual outcome to transcranial magnetic stimulation in depression. <i>Human Brain Mapping</i> , 2019, 40, 4618-4629.	3.6	43
38	Development of frontoparietal connectivity predicts longitudinal symptom changes in young people with autism spectrum disorder. <i>Translational Psychiatry</i> , 2019, 9, 86.	4.8	40
39	Brain-behavior patterns define a dimensional biotype in medication-naïve adults with attention-deficit hyperactivity disorder. <i>Psychological Medicine</i> , 2018, 48, 2399-2408.	4.5	37
40	Grey and white matter abnormalities are associated with impaired spatial working memory ability in first-episode schizophrenia. <i>Schizophrenia Research</i> , 2009, 115, 163-172.	2.0	27
41	Relating brain connectivity with persistent symptoms in pediatric concussion. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 954-961.	3.7	24
42	Linking Cortical and Connectional Pathology in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2019, 45, 911-923.	4.3	24
43	Increased cognitive complexity reveals abnormal brain network activity in individuals with corpus callosum dysgenesis. <i>NeuroImage: Clinical</i> , 2019, 21, 101595.	2.7	23
44	Structural abnormalities in the cuneus associated with Herpes Simplex Virus (type 1) infection in people at ultra high risk of developing psychosis. <i>Schizophrenia Research</i> , 2012, 135, 175-180.	2.0	22
45	Co-existence of Network Architectures Supporting the Human Gut Microbiome. <i>IScience</i> , 2019, 22, 380-391.	4.1	22
46	ADHD symptoms map onto noise-driven structure-function decoupling between hub and peripheral brain regions. <i>Molecular Psychiatry</i> , 2021, 26, 4036-4045.	7.9	19
47	Visuo-spatial processing in a dynamic and a static working memory paradigm in schizophrenia. <i>Psychiatry Research</i> , 2007, 152, 129-142.	3.3	17
48	Neural decoding of visual stimuli varies with fluctuations in global network efficiency. <i>Human Brain Mapping</i> , 2017, 38, 3069-3080.	3.6	17
49	Default mode network anatomy and function is linked to pediatric concussion recovery. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 2544-2554.	3.7	17
50	Neural Correlates of Sleep Recovery following Melatonin Treatment for Pediatric Concussion: A Randomized Controlled Trial. <i>Journal of Neurotrauma</i> , 2020, 37, 2647-2655.	3.4	15
51	Brain-Predicted Age Associates With Psychopathology Dimensions in Youths. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 410-419.	1.5	15
52	Role of stressful and traumatic life events in obsessive-compulsive disorder. <i>Neuropsychiatry</i> , 2011, 1, 61-69.	0.4	14
53	Dynamic Changes in Brain Functional Connectivity during Concurrent Dual-Task Performance. <i>PLoS ONE</i> , 2011, 6, e28301.	2.5	13
54	Working memory load improves early stages of independent visual processing. <i>Neuropsychologia</i> , 2011, 49, 92-102.	1.6	12

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55	Microbiota links to neural dynamics supporting threat processing. <i>Human Brain Mapping</i> , 2022, 43, 733-749.	3.6	12
56	Predicting individual improvement in schizophrenia symptom severity at 1-year follow-up: Comparison of connectomic, structural, and clinical predictors. <i>Human Brain Mapping</i> , 2020, 41, 3342-3357.	3.6	10
57	Visuospatial Working Memory Deficits and Visual Pursuit Impairments are Not Directly Related in Schizophrenia. <i>Australian and New Zealand Journal of Psychiatry</i> , 2009, 43, 766-774.	2.3	9
58	Visuospatial encoding deficits and compensatory strategies in schizophrenia revealed by eye movement analysis during a working memory task. <i>Acta Neuropsychiatrica</i> , 2009, 21, 75-83.	2.1	9
59	Impact of In Utero Exposure to Antiepileptic Drugs on Neonatal Brain Function. <i>Cerebral Cortex</i> , 2022, 32, 2385-2397.	2.9	7
60	Focal neural perturbations reshape low-dimensional trajectories of brain activity supporting cognitive performance. <i>Nature Communications</i> , 2022, 13, 4.	12.8	7
61	Sub-optimal modulation of gain by the cognitive control system in young adults with early psychosis. <i>Translational Psychiatry</i> , 2021, 11, 549.	4.8	5
62	White matter microstructural and morphometric alterations in autism: implications for intellectual capabilities. <i>Molecular Autism</i> , 2022, 13, 21.	4.9	5
63	The Latin Square Task as a Measure of Relational Reasoning. <i>European Journal of Psychological Assessment</i> , 2020, 36, 296-302.	3.0	4
64	Encoding dysfunctions in a dynamic-static paradigm for visuospatial working memory in first-episode psychosis patients: a 2-year follow-up study. <i>Microbial Biotechnology</i> , 2009, 3, 44-51.	1.7	2
65	How can connectomics advance our knowledge of psychiatric disorders?. <i>Revista Brasileira De Psiquiatria</i> , 2012, 34, 131-134.	1.7	2
66	Cadence discovery: study protocol for a dose-finding and mechanism of action clinical trial of sodium benzoate in people with treatment-refractory schizophrenia. <i>Trials</i> , 2021, 22, 918.	1.6	2
67	O6.5. LINKING CORTICAL AND CONNECTIONAL PATHOLOGY IN SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2018, 44, S91-S91.	4.3	1
68	O2.3. ABNORMAL BRAIN AGING IN YOUTH WITH SUBCLINICAL PSYCHOSIS AND OBSESSIVE-COMPULSIVE SYMPTOMS. <i>Schizophrenia Bulletin</i> , 2020, 46, S4-S4.	4.3	0