Luca Cocchi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8929062/publications.pdf

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68	6,582	125106	111975
papers	citations	35 h-index	67 g-index

81	81	81	9518
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of In Utero Exposure to Antiepileptic Drugs on Neonatal Brain Function. Cerebral Cortex, 2022, 32, 2385-2397.	1.6	7
2	Microbiota links to neural dynamics supporting threat processing. Human Brain Mapping, 2022, 43, 733-749.	1.9	12
3	Focal neural perturbations reshape low-dimensional trajectories of brain activity supporting cognitive performance. Nature Communications, 2022, 13, 4.	5.8	7
4	White matter microstructural and morphometric alterations in autism: implications for intellectual capabilities. Molecular Autism, 2022, 13, 21.	2.6	5
5	ADHD symptoms map onto noise-driven structureâ€“function decoupling between hub and peripheral brain regions. Molecular Psychiatry, 2021, 26, 4036-4045.	4.1	19
6	Individual deviations from normative models of brain structure in a large cross-sectional schizophrenia cohort. Molecular Psychiatry, 2021, 26, 3512-3523.	4.1	78
7	Brain-Predicted Age Associates With Psychopathology Dimensions in Youths. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 410-419.	1.1	15
8	Functional Magnetic Resonance Imagingâ€“Guided Personalization of Transcranial Magnetic Stimulation Treatment for Depression. JAMA Psychiatry, 2021, 78, 337.	6.0	121
9	Personalized connectivityâ€guided <scp>DLPFCâ€TMS</scp> for depression: Advancing computational feasibility, precision and reproducibility. Human Brain Mapping, 2021, 42, 4155-4172.	1.9	88
10	Sub-optimal modulation of gain by the cognitive control system in young adults with early psychosis. Translational Psychiatry, 2021, 11, 549.	2.4	5
11	Cadence discovery: study protocol for a dose-finding and mechanism of action clinical trial of sodium benzoate in people with treatment-refractory schizophrenia. Trials, 2021, 22, 918.	0.7	2
12	Movie viewing elicits rich and reliable brain state dynamics. Nature Communications, 2020, 11, 5004.	5.8	93
13	Core and matrix thalamic sub-populations relate to spatio-temporal cortical connectivity gradients. NeuroImage, 2020, 222, 117224.	2.1	58
14	Neural Correlates of Sleep Recovery following Melatonin Treatment for Pediatric Concussion: A Randomized Controlled Trial. Journal of Neurotrauma, 2020, 37, 2647-2655.	1.7	15
15	O2.3. ABNORMAL BRAIN AGING IN YOUTH WITH SUBCLINICAL PSYCHOSIS AND OBSESSIVE-COMPULSIVE SYMPTOMS. Schizophrenia Bulletin, 2020, 46, S4-S4.	2.3	0
16	Predicting individual improvement in schizophrenia symptom severity at 1â€year followâ€up: Comparison of connectomic, structural, and clinical predictors. Human Brain Mapping, 2020, 41, 3342-3357.	1.9	10
17	Reconfiguration of functional brain networks and metabolic cost converge during task performance. ELife, 2020, 9, .	2.8	49
18	The Latin Square Task as a Measure of Relational Reasoning. European Journal of Psychological Assessment, 2020, 36, 296-302.	1.7	4

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19	A multivariate neuroimaging biomarker of individual outcome to transcranial magnetic stimulation in depression. Human Brain Mapping, 2019, 40, 4618-4629.	1.9	43
20	The Low-Dimensional Neural Architecture of Cognitive Complexity Is Related to Activity in Medial Thalamic Nuclei. Neuron, 2019, 104, 849-855.e3.	3.8	67
21	Brain network dynamics in schizophrenia: Reduced dynamism of the default mode network. Human Brain Mapping, 2019, 40, 2212-2228.	1.9	72
22	Subgenual Functional Connectivity Predicts Antidepressant Treatment Response to Transcranial Magnetic Stimulation: Independent Validation and Evaluation of Personalization. Biological Psychiatry, 2019, 86, e5-e7.	0.7	136
23	Relating brain connectivity with persistent symptoms in pediatric concussion. Annals of Clinical and Translational Neurology, 2019, 6, 954-961.	1.7	24
24	Large-scale brain modes reorganize between infant sleep states and carry prognostic information for preterms. Nature Communications, 2019, 10, 2619.	5.8	65
25	Development of frontoparietal connectivity predicts longitudinal symptom changes in young people with autism spectrum disorder. Translational Psychiatry, 2019, 9, 86.	2.4	40
26	Default mode network anatomy and function is linked to pediatric concussion recovery. Annals of Clinical and Translational Neurology, 2019, 6, 2544-2554.	1.7	17
27	Co-existence of Network Architectures Supporting the Human Gut Microbiome. IScience, 2019, 22, 380-391.	1.9	22
28	Linking Cortical and Connectional Pathology in Schizophrenia. Schizophrenia Bulletin, 2019, 45, 911-923.	2.3	24
29	Increased cognitive complexity reveals abnormal brain network activity in individuals with corpus callosum dysgenesis. NeuroImage: Clinical, 2019, 21, 101595.	1.4	23
30	Personalized Transcranial Magnetic Stimulation in Psychiatry. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 731-741.	1.1	49
31	Brainâ€“behavior patterns define a dimensional biotype in medication-naÃ¯ve adults with attention-deficit hyperactivity disorder. Psychological Medicine, 2018, 48, 2399-2408.	2.7	37
32	O6.5. LINKING CORTICAL AND CONNECTIONAL PATHOLOGY IN SCHIZOPHRENIA. Schizophrenia Bulletin, 2018, 44, S91-S91.	2.3	1
33	Transcranial magnetic stimulation in obsessive-compulsive disorder: A focus on network mechanisms and state dependence. NeuroImage: Clinical, 2018, 19, 661-674.	1.4	47
34	White Matter Disruptions in Schizophrenia Are Spatially Widespread and Topologically Converge on Brain Network Hubs. Schizophrenia Bulletin, 2017, 43, sbw100.	2.3	85
35	Mapping how local perturbations influence systems-level brain dynamics. NeuroImage, 2017, 160, 97-112.	2.1	117
36	Neural decoding of visual stimuli varies with fluctuations in global network efficiency. Human Brain Mapping, 2017, 38, 3069-3080.	1.9	17

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37	Criticality in the brain: A synthesis of neurobiology, models and cognition. Progress in Neurobiology, 2017, 158, 132-152.	2.8	377
38	Brain changes following four weeks of unimanual motor training: Evidence from behavior, neural stimulation, cortical thickness, and functional MRI. Human Brain Mapping, 2017, 38, 4773-4787.	1.9	79
39	Reconfiguration of Brain Network Architectures between Resting-State and Complexity-Dependent Cognitive Reasoning. Journal of Neuroscience, 2017, 37, 8399-8411.	1.7	131
40	A hierarchy of timescales explains distinct effects of local inhibition of primary visual cortex and frontal eye fields. ELife, 2016, 5, .	2.8	93
41	Connectome sensitivity or specificity: which is more important?. NeuroImage, 2016, 142, 407-420.	2.1	262
42	Functional brain networks related to individual differences in human intelligence at rest. Scientific Reports, 2016, 6, 32328.	1.6	163
43	Interactions between default mode and control networks as a function of increasing cognitive reasoning complexity. Human Brain Mapping, 2015, 36, 2719-2731.	1.9	55
44	Dissociable effects of local inhibitory and excitatory theta-burst stimulation on large-scale brain dynamics. Journal of Neurophysiology, 2015, 113, 3375-3385.	0.9	62
45	Delayed Development of Brain Connectivity in Adolescents With Schizophrenia and Their Unaffected Siblings. JAMA Psychiatry, 2015, 72, 900.	6.0	80
46	Imaging human brain networks to improve the clinical efficacy of non-invasive brain stimulation. Neuroscience and Biobehavioral Reviews, 2015, 57, 187-198.	2.9	121
47	Time-resolved resting-state brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10341-10346.	3.3	716
48	Complexity in Relational Processing Predicts Changes in Functional Brain Network Dynamics. Cerebral Cortex, 2014, 24, 2283-2296.	1.6	75
49	Disruption of structureâ€“function coupling in the schizophrenia connectome. NeuroImage: Clinical, 2014, 4, 779-787.	1.4	124
50	Dynamic cooperation and competition between brain systems during cognitive control. Trends in Cognitive Sciences, 2013, 17, 493-501.	4.0	379
51	Decreased Functional Brain Connectivity in Adolescents with Internet Addiction. PLoS ONE, 2013, 8, e57831.	1.1	133
52	Towards a post-traumatic subtype of obsessiveâ€“compulsive disorder. Journal of Anxiety Disorders, 2012, 26, 377-383.	1.5	83
53	Altered Functional Brain Connectivity in a Non-Clinical Sample of Young Adults with Attention-Deficit/Hyperactivity Disorder. Journal of Neuroscience, 2012, 32, 17753-17761.	1.7	130
54	Connectivity differences in brain networks. NeuroImage, 2012, 60, 1055-1062.	2.1	233

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55	Structural abnormalities in the cuneus associated with Herpes Simplex Virus (type 1) infection in people at ultra high risk of developing psychosis. Schizophrenia Research, 2012, 135, 175-180.	1.1	22
56	Functional alterations of largeâ€scale brain networks related to cognitive control in obsessiveâ€compulsive disorder. Human Brain Mapping, 2012, 33, 1089-1106.	1.9	76
57	White matter microstructure in opiate addiction. Addiction Biology, 2012, 17, 141-148.	1.4	114
58	How can connectomics advance our knowledge of psychiatric disorders?. Revista Brasileira De Psiquiatria, 2012, 34, 131-134.	0.9	2
59	Disrupted Axonal Fiber Connectivity in Schizophrenia. Biological Psychiatry, 2011, 69, 80-89.	0.7	404
60	Working memory load improves early stages of independent visual processing. Neuropsychologia, 2011, 49, 92-102.	0.7	12
61	Role of stressful and traumatic life events in obsessiveâ€“compulsive disorder. Neuropsychiatry, 2011, 1, 61-69.	0.4	14
62	Dynamic Changes in Brain Functional Connectivity during Concurrent Dual-Task Performance. PLoS ONE, 2011, 6, e28301.	1.1	13
63	Whole-brain anatomical networks: Does the choice of nodes matter?. NeuroImage, 2010, 50, 970-983.	2.1	1,072
64	Visuospatial Working Memory Deficits and Visual Pursuit Impairments are Not Directly Related in Schizophrenia. Australian and New Zealand Journal of Psychiatry, 2009, 43, 766-774.	1.3	9
65	Visuospatial encoding deficits and compensatory strategies in schizophrenia revealed by eye movement analysis during a working memory task. Acta Neuropsychiatrica, 2009, 21, 75-83.	1.0	9
66	Encoding dysfunctions in a dynamicâ€“static paradigm for visuospatial working memory in firstâ€episode psychosis patients: a 2â€year followâ€up study. Microbial Biotechnology, 2009, 3, 44-51.	0.9	2
67	Grey and white matter abnormalities are associated with impaired spatial working memory ability in first-episode schizophrenia. Schizophrenia Research, 2009, 115, 163-172.	1.1	27
68	Visuo-spatial processing in a dynamic and a static working memory paradigm in schizophrenia. Psychiatry Research, 2007, 152, 129-142.	1.7	17