Luca Cocchi

List of Publications by Year
in descending order

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78	5,558	126907	88630
papers	citations	33 h-index	70 g-index

83	83	83	7700
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Whole-brain anatomical networks: Does the choice of nodes matter?. NeuroImage, 2010, 50, 970-983.	4.2	1,072
2	Time-resolved resting-state brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10341-10346.	7.1	716
3	Disrupted Axonal Fiber Connectivity in Schizophrenia. Biological Psychiatry, 2011, 69, 80-89.	1.3	404
4	Dynamic cooperation and competition between brain systems during cognitive control. Trends in Cognitive Sciences, 2013, 17, 493-501.	7.8	379
5	Connectivity differences in brain networks. NeuroImage, 2012, 60, 1055-1062.	4.2	233
6	Subgenual Functional Connectivity Predicts Antidepressant Treatment Response to Transcranial Magnetic Stimulation: Independent Validation and Evaluation of Personalization. Biological Psychiatry, 2019, 86, e5-e7.	1.3	136
7	Decreased Functional Brain Connectivity in Adolescents with Internet Addiction. PLoS ONE, 2013, 8, e57831.	2.5	133
8	Reconfiguration of Brain Network Architectures between Resting-State and Complexity-Dependent Cognitive Reasoning. Journal of Neuroscience, 2017, 37, 8399-8411.	3.6	131
9	Altered Functional Brain Connectivity in a Non-Clinical Sample of Young Adults with Attention-Deficit/Hyperactivity Disorder. Journal of Neuroscience, 2012, 32, 17753-17761.	3.6	130
10	Disruption of structureâ€“function coupling in the schizophrenia connectome. NeuroImage: Clinical, 2014, 4, 779-787.	2.7	124
11	White matter microstructure in opiate addiction. Addiction Biology, 2012, 17, 141-148.	2.6	114
12	A hierarchy of timescales explains distinct effects of local inhibition of primary visual cortex and frontal eye fields. ELife, 2016, 5, .	6.0	93
13	Movie viewing elicits rich and reliable brain state dynamics. Nature Communications, 2020, 11, 5004.	12.8	93
14	Personalized connectivityâ€guided <scp>DLPFCâ€TMS</scp> for depression: Advancing computational feasibility, precision and reproducibility. Human Brain Mapping, 2021, 42, 4155-4172.	3.6	88
15	Towards a post-traumatic subtype of obsessiveâ€“compulsive disorder. Journal of Anxiety Disorders, 2012, 26, 377-383.	3.2	83
16	Birth of an ocean in the Red Sea: Initial pangs. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	78
17	Functional alterations of largeâ€scale brain networks related to cognitive control in obsessiveâ€compulsive disorder. Human Brain Mapping, 2012, 33, 1089-1106.	3.6	76
18	Complexity in Relational Processing Predicts Changes in Functional Brain Network Dynamics. Cerebral Cortex, 2014, 24, 2283-2296.	2.9	75

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19	Brain network dynamics in schizophrenia: Reduced dynamism of the default mode network. Human Brain Mapping, 2019, 40, 2212-2228.	3.6	72
20	Large-scale brain modes reorganize between infant sleep states and carry prognostic information for preterms. Nature Communications, 2019, 10, 2619.	12.8	65
21	White matter microstructure in patients with obsessiveâ€“compulsive disorder. Journal of Psychiatry and Neuroscience, 2011, 36, 42-46.	2.4	64
22	Dissociable effects of local inhibitory and excitatory theta-burst stimulation on large-scale brain dynamics. Journal of Neurophysiology, 2015, 113, 3375-3385.	1.8	62
23	Rapid 3â€D forward model of potential fields with application to the Palinuro Seamount magnetic anomaly (southern Tyrrhenian Sea, Italy). Journal of Geophysical Research, 2009, 114, .	3.3	60
24	Interactions between default mode and control networks as a function of increasing cognitive reasoning complexity. Human Brain Mapping, 2015, 36, 2719-2731.	3.6	55
25	Initial burst of oceanic crust accretion in the Red Sea due to edge-driven mantle convection. Geology, 2011, 39, 1019-1022.	4.4	51
26	Lower plate serpentinite diapirism in the Calabrian Arc subduction complex. Nature Communications, 2017, 8, 2172.	12.8	49
27	Personalized Transcranial Magnetic Stimulation in Psychiatry. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 731-741.	1.5	49
28	Transcranial magnetic stimulation in obsessive-compulsive disorder: A focus on network mechanisms and state dependence. NeuroImage: Clinical, 2018, 19, 661-674.	2.7	47
29	A multivariate neuroimaging biomarker of individual outcome to transcranial magnetic stimulation in depression. Human Brain Mapping, 2019, 40, 4618-4629.	3.6	43
30	Chronology of the transition from a spreading ridge to an accretional seamount in the Marsili backarc basin (Tyrrhenian Sea). Terra Nova, 2009, 21, 369-374.	2.1	40
31	Development of frontoparietal connectivity predicts longitudinal symptom changes in young people with autism spectrum disorder. Translational Psychiatry, 2019, 9, 86.	4.8	40
32	Determining Geophysical Properties of a Near-Surface Cave through Integrated Microgravity Vertical Gradient and Electrical Resistivity Tomography Measurements. Journal of Cave and Karst Studies, 2011, 73, 11-15.	0.6	39
33	Determining the optimal Bouguer density for a gravity data set: implications for the isostatic setting of the Mediterranean Sea. Geophysical Journal International, 2007, 169, 380-388.	2.4	36
34	Potentialâ€field modeling of collapseâ€prone submarine volcanoes in the southern Tyrrhenian Sea (Italy). Geophysical Research Letters, 2010, 37, .	4.0	31
35	Volcanism in slab tear faults is larger than in island-arcs and back-arcs. Nature Communications, 2017, 8, 1451.	12.8	31
36	Perceptual and Semantic Contributions to Repetition Priming of Environmental Sounds. Cerebral Cortex, 2010, 20, 1676-1684.	2.9	30

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37	Potential-field inversion for a layer with uneven thickness: The Tyrrhenian Sea density model. Physics of the Earth and Planetary Interiors, 2008, 166, 105-111.	1.9	29
38	Neuroprotective effects of ethyl-eicosapentaenoic acid in first episode psychosis: A longitudinal T2 relaxometry pilot study. Psychiatry Research - Neuroimaging, 2010, 182, 180-182.	1.8	28
39	Grey and white matter abnormalities are associated with impaired spatial working memory ability in first-episode schizophrenia. Schizophrenia Research, 2009, 115, 163-172.	2.0	27
40	Interactions between volcanism and tectonics in the western Aeolian sector, southern Tyrrhenian Sea. Geophysical Journal International, 2010, 183, 64-78.	2.4	26
41	Highâ€resolution magnetics reveal the deep structure of a volcanicâ€arcâ€related basaltâ€hosted hydrothermal site (<scp>P</scp>alinuro, <scp>T</scp>yrrhenian <scp>S</scp>ea). Geochemistry, Geophysics, Geosystems, 2015, 16, 1950-1961.	2.5	26
42	Transfer zones in an oblique back-arc basin setting: Insights from the Latium-Campania segmented margin (Tyrrhenian Sea). Tectonics, 2017, 36, 78-107.	2.8	25
43	Near-Bottom Magnetic Signatures of Submarine Hydrothermal Systems at Marsili and Palinuro Volcanoes, Southern Tyrrhenian Sea, Italy. Economic Geology, 2014, 109, 2119-2128.	3.8	24
44	Depth-to-the-bottom optimization for magnetic data inversion: Magnetic structure of the Latium volcanic region, Italy. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	23
45	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.	2.0	22
46	Mapping of Seafloor Hydrothermally Altered Rocks Using Geophysical Methods: Marsili and Palinuro Seamounts, Southern Tyrrhenian Sea. Economic Geology, 2014, 109, 2103-2117.	3.8	22
47	ADHD symptoms map onto noise-driven structureâ€“function decoupling between hub and peripheral brain regions. Molecular Psychiatry, 2021, 26, 4036-4045.	7.9	19
48	Time and space scattered volcanism of Mt. Etna driven by strike-slip tectonics. Scientific Reports, 2019, 9, 12125.	3.3	18
49	Visuo-spatial processing in a dynamic and a static working memory paradigm in schizophrenia. Psychiatry Research, 2007, 152, 129-142.	3.3	17
50	3-D density structure and geological evolution of Stromboli volcano (Aeolian Islands, Italy) inferred from land-based and sea-surface gravity data. Journal of Volcanology and Geothermal Research, 2014, 273, 58-69.	2.1	17
51	Neural decoding of visual stimuli varies with fluctuations in global network efficiency. Human Brain Mapping, 2017, 38, 3069-3080.	3.6	17
52	Role of stressful and traumatic life events in obsessiveâ€“compulsive disorder. Neuropsychiatry, 2011, 1, 61-69.	0.4	14
53	Dynamic Changes in Brain Functional Connectivity during Concurrent Dual-Task Performance. PLoS ONE, 2011, 6, e28301.	2.5	13
54	Working memory load improves early stages of independent visual processing. Neuropsychologia, 2011, 49, 92-102.	1.6	12

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55	Microbiota links to neural dynamics supporting threat processing. Human Brain Mapping, 2022, 43, 733-749.	3.6	12
56	Geophysical modeling of collapseâ€prone zones at Rumble III seamount, southern Pacific Ocean, New Zealand. Geochemistry, Geophysics, Geosystems, 2013, 14, 4667-4680.	2.5	10
57	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.	3.6	10
58	The marine activities performed within the TOMO-ETNA experiment. Annals of Geophysics, 2016, 59, .	1.0	10
59	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.	2.3	9
60	Visuospatial encoding deficits and compensatory strategies in schizophrenia revealed by eye movement analysis during a working memory task. Acta Neuropsychiatrica, 2009, 21, 75-83.	2.1	9
61	Marine Archaeogeophysical Prospection of Roman Salapia Settlement (Puglia, Italy): Detecting Ancient Harbour Remains. Archaeological Prospection, 2012, 19, 89-101.	2.2	9
62	The Ventotene Volcanic Ridge: a newly explored complex in the central Tyrrhenian Sea (Italy). Bulletin of Volcanology, 2016, 78, 1.	3.0	9
63	Fault-controlled deep hydrothermal flow in a back-arc tectonic setting, SE Tyrrhenian Sea. Scientific Reports, 2019, 9, 17724.	3.3	9
64	Magnetic and seismic reflection study of Lake Cheko, a possible impact crater for the 1908 Tunguska Event. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	8
65	Geophysical mapping of Vercelli Seamount: Implications for Miocene evolution of the Tyrrhenian back arc basin. Geoscience Frontiers, 2016, 7, 835-849.	8.4	7
66	Impact of In Utero Exposure to Antiepileptic Drugs on Neonatal Brain Function. Cerebral Cortex, 2022, 32, 2385-2397.	2.9	7
67	Focal neural perturbations reshape low-dimensional trajectories of brain activity supporting cognitive performance. Nature Communications, 2022, 13, 4.	12.8	7
68	Dynamic visual information plays a critical role for spatial navigation in water but not on solid ground. Behavioural Brain Research, 2008, 194, 242-245.	2.2	5
69	Acquisition procedures, processing methodologies and preliminary results of magnetic and ROV data collected during the TOMO-ETNA experiment. Annals of Geophysics, 2016, 59, .	1.0	5
70	Sub-optimal modulation of gain by the cognitive control system in young adults with early psychosis. Translational Psychiatry, 2021, 11, 549.	4.8	5
71	Tortonian-Pleistocenic oceanic features in the Southern Tyrrhenian Sea: magnetic inverse model of the Selli-Vavilov region. Marine Geophysical Researches, 2008, 29, 251-266.	1.2	4
72	Traitement visuel et cognition sociale chez des enfants et adolescents avec traits autistiques. Neuropsychiatrie De L'Enfance Et De L'Adolescence, 2010, 58, 463-468.	0.2	3

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73	Seamountâ€Volcanic Island Transition and Evolution From Fissural to Central Activity Inferred by the Magnetic Modeling of Salina Island (Tyrrhenian Sea). Journal of Geophysical Research: Solid Earth, 2019, 124, 4323-4342.	3.4	3
74	Magnetic Expression of Hydrothermal Systems Hosted by Submarine Calderas in Subduction Settings: Examples from the Palinuro and Brothers Volcanoes. Geosciences (Switzerland), 2021, 11, 504.	2.2	3
75	A topographic surface reduction of aeromagnetic anomaly field over the Tyrrhenian sea area (Italy). Marine Geophysical Researches, 2003, 24, 265-277.	1.2	2
76	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.	1.7	2
77	How can connectomics advance our knowledge of psychiatric disorders?. Revista Brasileira De Psiquiatria, 2012, 34, 131-134.	1.7	2
78	Environmental magneto-gradiometric marine survey in a highly anthropic noisy area. Annals of Geophysics, 2010, 52, .	1.0	0