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	Impact of In Utero Exposure to Antiepileptic Drugs on Neonatal Brain Function. Cerebral Cortex, 2022, 32, 2385-2397.	2.9	7
2	Microbiota links to neural dynamics supporting threat processing. Human Brain Mapping, 2022, 43, 733-749.	3.6	12
3	Focal neural perturbations reshape low-dimensional trajectories of brain activity supporting cognitive performance. Nature Communications, 2022, 13, 4.	12.8	7
4	ADHD symptoms map onto noise-driven structureâ€“function decoupling between hub and peripheral brain regions. Molecular Psychiatry, 2021, 26, 4036-4045.	7.9	19
5	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
6	Sub-optimal modulation of gain by the cognitive control system in young adults with early psychosis. Translational Psychiatry, 2021, 11, 549.	4.8	5
7	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
8	Movie viewing elicits rich and reliable brain state dynamics. Nature Communications, 2020, 11, 5004.	12.8	93
9	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
10	A multivariate neuroimaging biomarker of individual outcome to transcranial magnetic stimulation in depression. Human Brain Mapping, 2019, 40, 4618-4629.	3.6	43
11	Time and space scattered volcanism of Mt. Etna driven by strike-slip tectonics. Scientific Reports, 2019, 9, 12125.	3.3	18
12	Brain network dynamics in schizophrenia: Reduced dynamism of the default mode network. Human Brain Mapping, 2019, 40, 2212-2228.	3.6	72
13	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
14	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
15	Large-scale brain modes reorganize between infant sleep states and carry prognostic information for preterms. Nature Communications, 2019, 10, 2619.	12.8	65
16	Development of frontoparietal connectivity predicts longitudinal symptom changes in young people with autism spectrum disorder. Translational Psychiatry, 2019, 9, 86.	4.8	40
17	Fault-controlled deep hydrothermal flow in a back-arc tectonic setting, SE Tyrrhenian Sea. Scientific Reports, 2019, 9, 17724.	3.3	9
18	Personalized Transcranial Magnetic Stimulation in Psychiatry. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 731-741.	1.5	49

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19	Transcranial magnetic stimulation in obsessive-compulsive disorder: A focus on network mechanisms and state dependence. NeuroImage: Clinical, 2018, 19, 661-674.	2.7	47
20	Neural decoding of visual stimuli varies with fluctuations in global network efficiency. Human Brain Mapping, 2017, 38, 3069-3080.	3.6	17
21	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
22	Reconfiguration of Brain Network Architectures between Resting-State and Complexity-Dependent Cognitive Reasoning. Journal of Neuroscience, 2017, 37, 8399-8411.	3.6	131
23	Volcanism in slab tear faults is larger than in island-arcs and back-arcs. Nature Communications, 2017, 8, 1451.	12.8	31
24	Lower plate serpentinite diapirism in the Calabrian Arc subduction complex. Nature Communications, 2017, 8, 2172.	12.8	49
25	A hierarchy of timescales explains distinct effects of local inhibition of primary visual cortex and frontal eye fields. ELife, 2016, 5, .	6.0	93
26	The Ventotene Volcanic Ridge: a newly explored complex in the central Tyrrhenian Sea (Italy). Bulletin of Volcanology, 2016, 78, 1.	3.0	9
27	Geophysical mapping of Vercelli Seamount: Implications for Miocene evolution of the Tyrrhenian back arc basin. Geoscience Frontiers, 2016, 7, 835-849.	8.4	7
28	The marine activities performed within the TOMO-ETNA experiment. Annals of Geophysics, 2016, 59, .	1.0	10
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	Complexity in Relational Processing Predicts Changes in Functional Brain Network Dynamics. Cerebral Cortex, 2014, 24, 2283-2296.	2.9	75

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37	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
38	Disruption of structureâ€“function coupling in the schizophrenia connectome. NeuroImage: Clinical, 2014, 4, 779-787.	2.7	124
39	Dynamic cooperation and competition between brain systems during cognitive control. Trends in Cognitive Sciences, 2013, 17, 493-501.	7.8	379
40	Decreased Functional Brain Connectivity in Adolescents with Internet Addiction. PLoS ONE, 2013, 8, e57831.	2.5	133
41	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
42	Towards a post-traumatic subtype of obsessiveâ€“compulsive disorder. Journal of Anxiety Disorders, 2012, 26, 377-383.	3.2	83
43	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
44	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
45	Birth of an ocean in the Red Sea: Initial pangs. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	78
46	Connectivity differences in brain networks. NeuroImage, 2012, 60, 1055-1062.	4.2	233
47	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
48	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
49	Marine Archaeogeophysical Prospection of Roman Salapia Settlement (Puglia, Italy): Detecting Ancient Harbour Remains. Archaeological Prospection, 2012, 19, 89-101.	2.2	9
50	White matter microstructure in opiate addiction. Addiction Biology, 2012, 17, 141-148.	2.6	114
51	How can connectomics advance our knowledge of psychiatric disorders?. Revista Brasileira De Psiquiatria, 2012, 34, 131-134.	1.7	2
52	Disrupted Axonal Fiber Connectivity in Schizophrenia. Biological Psychiatry, 2011, 69, 80-89.	1.3	404
53	Working memory load improves early stages of independent visual processing. Neuropsychologia, 2011, 49, 92-102.	1.6	12
54	Role of stressful and traumatic life events in obsessiveâ€“compulsive disorder. Neuropsychiatry, 2011, 1, 61-69.	0.4	14

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55	Initial burst of oceanic crust accretion in the Red Sea due to edge-driven mantle convection. Geology, 2011, 39, 1019-1022.	4.4	51
56	White matter microstructure in patients with obsessiveâ€“compulsive disorder. Journal of Psychiatry and Neuroscience, 2011, 36, 42-46.	2.4	64
57	Dynamic Changes in Brain Functional Connectivity during Concurrent Dual-Task Performance. PLoS ONE, 2011, 6, e28301.	2.5	13
58	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
59	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
60	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
61	Interactions between volcanism and tectonics in the western Aeolian sector, southern Tyrrhenian Sea. Geophysical Journal International, 2010, 183, 64-78.	2.4	26
62	Perceptual and Semantic Contributions to Repetition Priming of Environmental Sounds. Cerebral Cortex, 2010, 20, 1676-1684.	2.9	30
63	Potentialâ€field modeling of collapseâ€prone submarine volcanoes in the southern Tyrrhenian Sea (Italy). Geophysical Research Letters, 2010, 37, .	4.0	31
64	Whole-brain anatomical networks: Does the choice of nodes matter?. NeuroImage, 2010, 50, 970-983.	4.2	1,072
65	Environmental magneto-gradiometric marine survey in a highly anthropic noisy area. Annals of Geophysics, 2010, 52, .	1.0	0
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	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
74	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
75	Visuo-spatial processing in a dynamic and a static working memory paradigm in schizophrenia. Psychiatry Research, 2007, 152, 129-142.	3.3	17
76	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
77	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
78	A topographic surface reduction of aeromagnetic anomaly field over the Tyrrhenian sea area (Italy). Marine Geophysical Researches, 2003, 24, 265-277.	1.2	2