Caterina Gratton

List of Publications by Year
in descending order

42 papers	5,000 citations	236925 25 h-index	276875 41 g-index
56 all docs	56 docs citations	56 times ranked	5269 citing authors

#	Article	IF	Citations
1	Precision Functional Mapping of Individual Human Brains. Neuron, 2017, 95, 791-807.e7.	8.1	948
2	Functional Brain Networks Are Dominated by Stable Group and Individual Factors, Not Cognitive or Daily Variation. Neuron, 2018, 98, 439-452.e5.	8.1	665
3	On the Stability of BOLD fMRI Correlations. Cerebral Cortex, 2017, 27, 4719-4732.	2.9	403
4	Focal Brain Lesions to Critical Locations Cause Widespread Disruption of the Modular Organization of the Brain. Journal of Cognitive Neuroscience, 2012, 24, 1275-1285.	2.3	318
5	Spatial and Temporal Organization of the Individual Human Cerebellum. Neuron, 2018, 100, 977-993.e7.	8.1	201
6	Double dissociation of two cognitive control networks in patients with focal brain lesions. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12017-12022.	7.1	169
7	Correction of respiratory artifacts in MRI head motion estimates. NeuroImage, 2020, 208, 116400.	4.2	161
8	Trait-like variants in human functional brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22851-22861.	7.1	153
9	Integrative and Network-Specific Connectivity of the Basal Ganglia and Thalamus Defined in Individuals. Neuron, 2020, 105, 742-758.e6.	8.1	148
10	A set of functionally-defined brain regions with improved representation of the subcortex and cerebellum. NeuroImage, 2020, 206, 116290.	4.2	143
11	Control networks and hubs. Psychophysiology, 2018, 55, e13032.	2.4	137
12	Evidence for Two Independent Factors that Modify Brain Networks to Meet Task Goals. Cell Reports, 2016, 17, 1276-1288.	6.4	128
13	Three Distinct Sets of Connector Hubs Integrate Human Brain Function. Cell Reports, 2018, 24, 1687-1695.e4.	6.4	113
14	Default-mode network streams for coupling to language and control systems. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17308-17319.	7.1	113
15	Defining Individual-Specific Functional Neuroanatomy for Precision Psychiatry. Biological Psychiatry, 2020, 88, 28-39.	1.3	109
16	The effect of theta-burst TMS on cognitive control networks measured with resting state fMRI. Frontiers in Systems Neuroscience, 2013, 7, 124.	2.5	105
17	Brain-behavior correlations: Two paths toward reliability. Neuron, 2022, 110, 1446-1449.	8.1	95
18	Age-related frontoparietal changes during the control of bottom-up and top-down attention: an ERP study. Neurobiology of Aging, 2013, 34, 477-488.	3.1	92

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19	The community structure of functional brain networks exhibits scale-specific patterns of inter- and intra-subject variability. NeuroImage, 2019, 202, 115990.	4.2	85
20	Role of frontal and parietal cortices in the control of bottom-up and top-down attention in humans. Brain Research, 2010, 1344, 173-184.	2.2	83
21	Evaluating the Prediction of Brain Maturity From Functional Connectivity After Motion Artifact Denoising. Cerebral Cortex, 2019, 29, 2455-2469.	2.9	73
22	Removal of high frequency contamination from motion estimates in single-band fMRI saves data without biasing functional connectivity. NeuroImage, 2020, 217, 116866.	4.2	62
23	Emergent Functional Network Effects in Parkinson Disease. Cerebral Cortex, 2019, 29, 2509-2523.	2.9	56
24	Cholinergic, But Not Dopaminergic or Noradrenergic, Enhancement Sharpens Visual Spatial Perception in Humans. Journal of Neuroscience, 2017, 37, 4405-4415.	3.6	50
25	Atypical Functional Connectivity in Tourette Syndrome Differs Between Children and Adults. Biological Psychiatry, 2020, 87, 164-173.	1.3	45
26	Network variants are similar between task and rest states. NeuroImage, 2021, 229, 117743.	4.2	41
27	Parallel hippocampal-parietal circuits for self- and goal-oriented processing. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	32
28	Attention Selectively Modifies the Representation of Individual Faces in the Human Brain. Journal of Neuroscience, 2013, 33, 6979-6989.	3.6	28
29	Probabilistic mapping of human functional brain networks identifies regions of high group consensus. NeuroImage, 2021, 237, 118164.	4.2	28
30	Age-related differences in functional brain network segregation are consistent with a cascade of cerebrovascular, structural, and cognitive effects. Network Neuroscience, 2020, 4, 89-114.	2.6	25
31	Light through the fog: using precision fMRI data to disentangle the neural substrates of cognitive control. Current Opinion in Behavioral Sciences, 2021, 40, 19-26.	3.9	22
32	BOLD cofluctuation â€˜eventsâ€™ are predicted from static functional connectivity. NeuroImage, 2022, 260, 119476.	4.2	21
33	Perfusion MRI Indexes Variability in the Functional Brain Effects of Theta-Burst Transcranial Magnetic Stimulation. PLoS ONE, 2014, 9, e101430.	2.5	20
34	See what I mean? An ERP study of the effect of background knowledge on novel object processing. Memory and Cognition, 2009, 37, 277-291.	1.6	12
35	High-fidelity mapping of repetition-related changes in the parietal memory network. NeuroImage, 2019, 199, 427-439.	4.2	10
36	Embracing the Complexity of Heterogeneity in Schizophrenia: A New Perspective From Latent Clinical-Anatomical Dimensions. Schizophrenia Bulletin, 2020, 46, 1337-1338.	4.3	7

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37	Masked features of task states found in individual brain networks. Cerebral Cortex, 2023, 33, 2879-2900.	2.9	7
38	Digging Deeper to Chart the Landscape of Human Brain Development. Neuron, 2020, 106, 209-211.	8.1	2
39	Spatial and Temporal Organization of the Individual Human Cerebellum. SSRN Electronic Journal, 0, , .	0.4	2
40	The Value of Hyperalignment to Unpack Neural Heterogeneity in the Precision Psychiatry Movement. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 935-936.	1.5	1
41	How early damage to the dorsomedial prefrontal hub in human brain networks affects long term cognitive, behavioral, and neuroanatomical outcomes.. Psychology and Neuroscience, 2020, 13, 245-256.	0.8	1
42	Distinct Sets of Internal, External, and Control Connector Hubs Integrate Human Brain Function. SSRN Electronic Journal, 0, , .	0.4	1