

Alex Fornito

List of Publications by Year in descending order

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Version: 2024-02-01

125
papers

21,478
citations

13099

68
h-index

16183

124
g-index

151
all docs

151
docs citations

151
times ranked

19779
citing authors

#	ARTICLE	IF	CITATIONS
1	Network-based statistic: Identifying differences in brain networks. <i>NeuroImage</i> , 2010, 53, 1197-1207.	4.2	2,098
2	The connectomics of brain disorders. <i>Nature Reviews Neuroscience</i> , 2015, 16, 159-172.	10.2	1,315
3	Whole-brain anatomical networks: Does the choice of nodes matter?. <i>NeuroImage</i> , 2010, 50, 970-983.	4.2	1,072
4	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
5	Graph analysis of the human connectome: Promise, progress, and pitfalls. <i>NeuroImage</i> , 2013, 80, 426-444.	4.2	677
6	Schizophrenia, neuroimaging and connectomics. <i>NeuroImage</i> , 2012, 62, 2296-2314.	4.2	640
7	Gray matter abnormalities in Major Depressive Disorder: A meta-analysis of voxel based morphometry studies. <i>Journal of Affective Disorders</i> , 2012, 138, 9-18.	4.1	638
8	Hierarchical modularity in human brain functional networks. <i>Frontiers in Neuroinformatics</i> , 2009, 3, 37.	2.5	522
9	Structural brain abnormalities in major depressive disorder: A selective review of recent MRI studies. <i>Journal of Affective Disorders</i> , 2009, 117, 1-17.	4.1	519
10	Competitive and cooperative dynamics of large-scale brain functional networks supporting recollection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12788-12793.	7.1	486
11	Brain Networks in Schizophrenia. <i>Neuropsychology Review</i> , 2014, 24, 32-48.	4.9	426
12	A practical guide to linking brain-wide gene expression and neuroimaging data. <i>NeuroImage</i> , 2019, 189, 353-367.	4.2	422
13	Regional Brain Abnormalities Associated With Long-term Heavy Cannabis Use. <i>Archives of General Psychiatry</i> , 2008, 65, 694.	12.3	410
14	Disrupted Axonal Fiber Connectivity in Schizophrenia. <i>Biological Psychiatry</i> , 2011, 69, 80-89.	1.3	404
15	Neuroanatomical abnormalities in schizophrenia: A multimodal voxelwise meta-analysis and meta-regression analysis. <i>Schizophrenia Research</i> , 2011, 127, 46-57.	2.0	394
16	Dynamic cooperation and competition between brain systems during cognitive control. <i>Trends in Cognitive Sciences</i> , 2013, 17, 493-501.	7.8	379
17	On the use of correlation as a measure of network connectivity. <i>NeuroImage</i> , 2012, 60, 2096-2106.	4.2	364
18	Voxelwise Meta-Analysis of Gray Matter Abnormalities in Bipolar Disorder. <i>Biological Psychiatry</i> , 2010, 67, 1097-1105.	1.3	348

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19	Network scaling effects in graph analytic studies of human resting-state fMRI data. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 22.	2.5	338
20	Abnormal Structural Networks Characterize Major Depressive Disorder: A Connectome Analysis. <i>Biological Psychiatry</i> , 2014, 76, 567-574.	1.3	293
21	Genetic Influences on Cost-Efficient Organization of Human Cortical Functional Networks. <i>Journal of Neuroscience</i> , 2011, 31, 3261-3270.	3.6	273
22	Structural Magnetic Resonance Imaging in Bipolar Disorder: An International Collaborative Mega-Analysis of Individual Adult Patient Data. <i>Biological Psychiatry</i> , 2011, 69, 326-335.	1.3	271
23	Connectome sensitivity or specificity: which is more important?. <i>NeuroImage</i> , 2016, 142, 407-420.	4.2	262
24	General and Specific Functional Connectivity Disturbances in First-Episode Schizophrenia During Cognitive Control Performance. <i>Biological Psychiatry</i> , 2011, 70, 64-72.	1.3	255
25	Bridging the Gap between Connectome and Transcriptome. <i>Trends in Cognitive Sciences</i> , 2019, 23, 34-50.	7.8	245
26	Connectivity differences in brain networks. <i>NeuroImage</i> , 2012, 60, 1055-1062.	4.2	233
27	Functional Dysconnectivity of Corticostriatal Circuitry as a Risk Phenotype for Psychosis. <i>JAMA Psychiatry</i> , 2013, 70, 1143.	11.0	233
28	Functional and Biochemical Alterations of the Medial Frontal Cortex in Obsessive-Compulsive Disorder. <i>Archives of General Psychiatry</i> , 2007, 64, 946.	12.3	227
29	The Impact of Cannabis Use on Cognitive Functioning in Patients With Schizophrenia: A Meta-analysis of Existing Findings and New Data in a First-Episode Sample. <i>Schizophrenia Bulletin</i> , 2012, 38, 316-330.	4.3	219
30	Anatomical Abnormalities of the Anterior Cingulate Cortex in Schizophrenia: Bridging the Gap Between Neuroimaging and Neuropathology. <i>Schizophrenia Bulletin</i> , 2009, 35, 973-993.	4.3	218
31	A transcriptional signature of hub connectivity in the mouse connectome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1435-1440.	7.1	197
32	Connectomics: A new paradigm for understanding brain disease. <i>European Neuropsychopharmacology</i> , 2015, 25, 733-748.	0.7	187
33	Modulation of Brain Resting-State Networks by Sad Mood Induction. <i>PLoS ONE</i> , 2008, 3, e1794.	2.5	181
34	Progressive Changes in the Development Toward Schizophrenia: Studies in Subjects at Increased Symptomatic Risk. <i>Schizophrenia Bulletin</i> , 2007, 34, 322-329.	4.3	169
35	Anatomic Abnormalities of the Anterior Cingulate Cortex Before Psychosis Onset: An MRI Study of Ultra-High-Risk Individuals. <i>Biological Psychiatry</i> , 2008, 64, 758-765.	1.3	169
36	The development of brain network hubs. <i>Developmental Cognitive Neuroscience</i> , 2019, 36, 100607.	4.0	156

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37	Altered Striatal Functional Connectivity in Subjects With an At-Risk Mental State for Psychosis. <i>Schizophrenia Bulletin</i> , 2014, 40, 904-913.	4.3	152
38	Standardizing workflows in imaging transcriptomics with the abagen toolbox. <i>ELife</i> , 2021, 10, .	6.0	140
39	What can spontaneous fluctuations of the blood oxygenation-level-dependent signal tell us about psychiatric disorders?. <i>Current Opinion in Psychiatry</i> , 2010, 23, 239-249.	6.3	137
40	Developmental Changes in Brain Network Hub Connectivity in Late Adolescence. <i>Journal of Neuroscience</i> , 2015, 35, 9078-9087.	3.6	134
41	Decreased Functional Brain Connectivity in Adolescents with Internet Addiction. <i>PLoS ONE</i> , 2013, 8, e57831.	2.5	133
42	Reconciling abnormalities of brain network structure and function in schizophrenia. <i>Current Opinion in Neurobiology</i> , 2015, 30, 44-50.	4.2	131
43	Neurobiological Markers of Illness Onset in Psychosis and Schizophrenia: The Search for a Moving Target. <i>Neuropsychology Review</i> , 2009, 19, 385-398.	4.9	129
44	A DTI-Derived Measure of Cortico-Cortical Connectivity. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 1023-1036.	8.9	128
45	Generic aspects of complexity in brain imaging data and other biological systems. <i>NeuroImage</i> , 2009, 47, 1125-1134.	4.2	126
46	White matter microstructure in opiate addiction. <i>Addiction Biology</i> , 2012, 17, 141-148.	2.6	114
47	Characterizing and minimizing the contribution of sensory inputs to TMS-evoked potentials. <i>Brain Stimulation</i> , 2019, 12, 1537-1552.	1.6	113
48	Large-Scale Brain Network Dynamics Supporting Adolescent Cognitive Control. <i>Journal of Neuroscience</i> , 2014, 34, 14096-14107.	3.6	112
49	Abnormal white matter microstructure in schizophrenia: A voxelwise analysis of axial and radial diffusivity. <i>Schizophrenia Research</i> , 2008, 101, 106-110.	2.0	111
50	Abnormal Anatomical Connectivity between the Amygdala and Orbitofrontal Cortex in Conduct Disorder. <i>PLoS ONE</i> , 2012, 7, e48789.	2.5	109
51	Anterior Cingulate Glutamateâ€“Glutamine Levels Predict Symptom Severity in Women With Obsessiveâ€“Compulsive Disorder. <i>Australian and New Zealand Journal of Psychiatry</i> , 2008, 42, 467-477.	2.3	108
52	Surface-based morphometry of the anterior cingulate cortex in first episode schizophrenia. <i>Human Brain Mapping</i> , 2008, 29, 478-489.	3.6	107
53	Variability of the paracingulate sulcus and morphometry of the medial frontal cortex: Associations with cortical thickness, surface area, volume, and sulcal depth. <i>Human Brain Mapping</i> , 2008, 29, 222-236.	3.6	106
54	Reproducibility in TMSâ€“EEG studies: A call for data sharing, standard procedures and effective experimental control. <i>Brain Stimulation</i> , 2019, 12, 787-790.	1.6	106

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55	The influence of sulcal variability on morphometry of the human anterior cingulate and paracingulate cortex. <i>NeuroImage</i> , 2006, 33, 843-854.	4.2	104
56	The relationship between regional and inter-regional functional connectivity deficits in schizophrenia. <i>Human Brain Mapping</i> , 2012, 33, 2535-2549.	3.6	96
57	Genetic influences on hub connectivity of the human connectome. <i>Nature Communications</i> , 2021, 12, 4237.	12.8	92
58	A Specific Brain Structural Basis for Individual Differences in Reality Monitoring. <i>Journal of Neuroscience</i> , 2011, 31, 14308-14313.	3.6	91
59	Prefrontal and amygdala volumes are related to adolescents' affective behaviors during parent-adolescent interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3652-3657.	7.1	90
60	Connectomic Intermediate Phenotypes for Psychiatric Disorders. <i>Frontiers in Psychiatry</i> , 2012, 3, 32.	2.6	90
61	Connectomic Disturbances in Attention-Deficit/Hyperactivity Disorder: A Whole-Brain Tractography Analysis. <i>Biological Psychiatry</i> , 2014, 76, 656-663.	1.3	89
62	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
63	Anterior cingulate volume in adolescents with first-presentation borderline personality disorder. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 155-160.	1.8	80
64	Delayed Development of Brain Connectivity in Adolescents With Schizophrenia and Their Unaffected Siblings. <i>JAMA Psychiatry</i> , 2015, 72, 900.	11.0	80
65	The Association between Regular Cannabis Exposure and Alterations of Human Brain Morphology: An Updated Review of the Literature. <i>Current Pharmaceutical Design</i> , 2014, 20, 2138-2167.	1.9	80
66	White-matter abnormalities in adolescents with long-term inhalant and cannabis use: a diffusion magnetic resonance imaging study. <i>Journal of Psychiatry and Neuroscience</i> , 2010, 35, 409-412.	2.4	77
67	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
68	Gross morphological brain changes with chronic, heavy cannabis use. <i>British Journal of Psychiatry</i> , 2015, 206, 77-78.	2.8	74
69	Anatomical abnormalities of the anterior cingulate and paracingulate cortex in patients with bipolar I disorder. <i>Psychiatry Research - Neuroimaging</i> , 2008, 162, 123-132.	1.8	70
70	Neuroanatomical Correlates of Temperament in Early Adolescents. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2008, 47, 682-693.	0.5	69
71	Dynamical consequences of regional heterogeneity in the brain's transcriptional landscape. <i>Science Advances</i> , 2021, 7, .	10.3	69
72	Structural connectome topology relates to regional BOLD signal dynamics in the mouse brain. <i>Chaos</i> , 2017, 27, 047405.	2.5	68

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73	The effect of stimulation interval on plasticity following repeated blocks of intermittent theta burst stimulation. <i>Scientific Reports</i> , 2018, 8, 8526.	3.3	68
74	Dopamine, fronto-striato-thalamic circuits and risk for psychosis. <i>Schizophrenia Research</i> , 2017, 180, 48-57.	2.0	66
75	Morphology of the paracingulate sulcus and executive cognition in schizophrenia. <i>Schizophrenia Research</i> , 2006, 88, 192-197.	2.0	64
76	White matter microstructure in patients with obsessive-compulsive disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2011, 36, 42-46.	2.4	64
77	Brain functional connectivity in stimulant drug dependence and obsessive-compulsive disorder. <i>NeuroImage</i> , 2012, 59, 1461-1468.	4.2	63
78	Reconciling neuroimaging and neuropathological findings in schizophrenia and bipolar disorder. <i>Current Opinion in Psychiatry</i> , 2009, 22, 312-319.	6.3	61
79	Disruption of brain white matter microstructure in women with anorexia nervosa. <i>Journal of Psychiatry and Neuroscience</i> , 2014, 39, 367-375.	2.4	61
80	Anterior cingulate cortex abnormalities associated with a first psychotic episode in bipolar disorder. <i>British Journal of Psychiatry</i> , 2009, 194, 426-433.	2.8	59
81	Evidence for neuronal dysfunction in the anterior cingulate of patients with schizophrenia: A proton magnetic resonance spectroscopy study at 3T. <i>Schizophrenia Research</i> , 2007, 94, 328-331.	2.0	58
82	A systematic review of diffusion weighted MRI studies of white matter microstructure in adolescent substance users. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 1713-1723.	6.1	55
83	Functional dysconnectivity of corticostriatal circuitry and differential response to methylphenidate in youth with attention-deficit/hyperactivity disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2015, 40, 46-57.	2.4	55
84	Brain functional correlates of emotion regulation across adolescence and young adulthood. <i>Human Brain Mapping</i> , 2016, 37, 7-19.	3.6	55
85	Lack of Evidence for Regional Brain Volume or Cortical Thickness Abnormalities in Youths at Clinical High Risk for Psychosis: Findings From the Longitudinal Youth at Risk Study: Table 1.. <i>Schizophrenia Bulletin</i> , 2015, 41, 1285-1293.	4.3	51
86	Alterations in regional homogeneity of resting-state brain activity in ketamine addicts. <i>Neuroscience Letters</i> , 2012, 522, 36-40.	2.1	47
87	Dysfunctional Striatal Systems in Treatment-Resistant Schizophrenia. <i>Neuropsychopharmacology</i> , 2016, 41, 1274-1285.	5.4	46
88	The efficacy of different preprocessing steps in reducing motion-related confounds in diffusion MRI connectomics. <i>NeuroImage</i> , 2020, 222, 117252.	4.2	45
89	Variations in cortical folding patterns are related to individual differences in temperament. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 68-74.	1.8	44
90	Functional Connectivity of Corticostriatal Circuitry and Psychosis-like Experiences in the General Community. <i>Biological Psychiatry</i> , 2019, 86, 16-24.	1.3	44

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91	Executive control among adolescent inhalant and cannabis users. <i>Drug and Alcohol Review</i> , 2011, 30, 629-637.	2.1	43
92	Selective Augmentation of Striatal Functional Connectivity Following NMDA Receptor Antagonism: Implications for Psychosis. <i>Neuropsychopharmacology</i> , 2015, 40, 622-631.	5.4	42
93	Cortico-limbic network abnormalities in individuals with current and past major depressive disorder. <i>Journal of Affective Disorders</i> , 2015, 173, 45-52.	4.1	42
94	Biophysical modeling of neural plasticity induced by transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2018, 129, 1230-1241.	1.5	42
95	Opportunities and Challenges for Psychiatry in the Connectomic Era. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 9-19.	1.5	41
96	Timescales of spontaneous fMRI fluctuations relate to structural connectivity in the brain. <i>Network Neuroscience</i> , 2020, 4, 788-806.	2.6	38
97	Modeling spatial, developmental, physiological, and topological constraints on human brain connectivity. <i>Science Advances</i> , 2022, 8, .	10.3	37
98	Left anterior cingulate activity predicts intra-individual reaction time variability in healthy adults. <i>Neuropsychologia</i> , 2015, 72, 22-26.	1.6	36
99	Where the genome meets the connectome: Understanding how genes shape human brain connectivity. <i>NeuroImage</i> , 2021, 244, 118570.	4.2	34
100	Pituitary gland volume in currently depressed and remitted depressed patients. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 55-60.	1.8	30
101	Brain Connectivity and Mental Illness. <i>Frontiers in Psychiatry</i> , 2012, 3, 72.	2.6	29
102	Simultaneous BOLD-fMRI and constant infusion FDG-PET data of the resting human brain. <i>Scientific Data</i> , 2020, 7, 363.	5.3	26
103	State, trait and biochemical influences on human anterior cingulate function. <i>NeuroImage</i> , 2007, 34, 1766-1773.	4.2	25
104	Inhibitory control in young adolescents: The role of sex, intelligence, and temperament.. <i>Neuropsychology</i> , 2012, 26, 347-356.	1.3	23
105	Reduced frontal white matter volume in children with early onset of adrenarche. <i>Psychoneuroendocrinology</i> , 2015, 52, 111-118.	2.7	23
106	Imaging Transcriptomics of Brain Disorders. <i>Biological Psychiatry Global Open Science</i> , 2022, 2, 319-331.	2.2	22
107	Uncovering the Transcriptional Correlates of Hub Connectivity in Neural Networks. <i>Frontiers in Neural Circuits</i> , 2019, 13, 47.	2.8	20
108	Can antipsychotic dose reduction lead to better functional recovery in first-episode psychosis? A randomized controlled trial of antipsychotic dose reduction. The reduce trial: Study protocol. <i>Microbial Biotechnology</i> , 2019, 13, 1345-1356.	1.7	19

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109	Individual differences in haemoglobin concentration influence bold fMRI functional connectivity and its correlation with cognition. <i>NeuroImage</i> , 2020, 221, 117196.	4.2	19
110	Australian Brain Alliance. <i>Neuron</i> , 2016, 92, 597-600.	8.1	18
111	Brain functional connectivity during induced sadness in patients with obsessive-compulsive disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2012, 37, 231-240.	2.4	17
112	Large-Scale Network Topology Reveals Heterogeneity in Individuals With at Risk Mental State for Psychosis: Findings From the Longitudinal Youth-at-Risk Study. <i>Cerebral Cortex</i> , 2018, 28, 4234-4243.	2.9	16
113	Neurodevelopmental correlates of the emerging adult self. <i>Developmental Cognitive Neuroscience</i> , 2019, 36, 100626.	4.0	15
114	Graph Theoretic Analysis of Human Brain Networks. <i>NeuroMethods</i> , 2016, , 283-314.	0.3	14
115	The effect of a muscarinic receptor 1 gene variant on grey matter volume in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2015, 234, 182-187.	1.8	13
116	Early and late development of hub connectivity in the human brain. <i>Current Opinion in Psychology</i> , 2022, 44, 321-329.	4.9	12
117	A multivariate analysis of the association between corticostriatal functional connectivity and psychosis-like experiences in the general community. <i>Psychiatry Research - Neuroimaging</i> , 2021, 307, 111202.	1.8	8
118	Neurobiological endophenotypes of psychosis and schizophrenia. , 2009, , 61-80.		7
119	Emotion processing fails to modulate putative mirror neuron response to trained visuomotor associations. <i>Neuropsychologia</i> , 2016, 84, 7-13.	1.6	4
120	Psychological resilience and neurodegenerative risk: A connectomics-transcriptomics investigation in healthy adolescent and middle-aged females. <i>NeuroImage</i> , 2022, 255, 119209.	4.2	3
121	Task-evoked simultaneous FDG-PET and fMRI data for measurement of neural metabolism in the human visual cortex. <i>Scientific Data</i> , 2021, 8, 267.	5.3	2
122	A Tale of Two Cities: A Neuroimaging Investigation of Melbourne-Sydney Rivalry Comparing Cortical Thickness in Healthy Adults. <i>Australasian Psychiatry</i> , 2007, 15, 67-71.	0.7	1
123	The Impact of Regular Cannabis Use on the Human Brain. , 2013, , 711-728.		1
124	Computational Approaches to Understanding Mental Dysfunction: Progress, Challenges, and New Frontiers. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 728-730.	1.5	1
125	NEUROANATOMICAL CHANGES ACROSS THE COURSE OF SCHIZOPHRENIA AND BIPOLAR DISORDER. <i>Schizophrenia Research</i> , 2010, 117, 128.	2.0	0