

Alan Anticevic

List of Publications by Year in descending order

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Version: 2024-02-01

123
papers

13,018
citations

36303

51
h-index

30922

102
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148
all docs

148
docs citations

148
times ranked

13829
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-task connectivity reveals flexible hubs for adaptive task control. <i>Nature Neuroscience</i> , 2013, 16, 1348-1355.	14.8	1,377
2	The role of default network deactivation in cognition and disease. <i>Trends in Cognitive Sciences</i> , 2012, 16, 584-592.	7.8	805
3	Global Connectivity of Prefrontal Cortex Predicts Cognitive Control and Intelligence. <i>Journal of Neuroscience</i> , 2012, 32, 8988-8999.	3.6	540
4	Hierarchy of transcriptomic specialization across human cortex captured by structural neuroimaging topography. <i>Nature Neuroscience</i> , 2018, 21, 1251-1259.	14.8	459
5	Characterizing Thalamo-Cortical Disturbances in Schizophrenia and Bipolar Illness. <i>Cerebral Cortex</i> , 2014, 24, 3116-3130.	2.9	415
6	The Frontoparietal Control System. <i>Neuroscientist</i> , 2014, 20, 652-664.	3.5	394
7	Mapping the human brain's cortical-subcortical functional network organization. <i>NeuroImage</i> , 2019, 185, 35-57.	4.2	371
8	Altered global brain signal in schizophrenia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7438-7443.	7.1	347
9	Association of Thalamic Dysconnectivity and Conversion to Psychosis in Youth and Young Adults at Elevated Clinical Risk. <i>JAMA Psychiatry</i> , 2015, 72, 882.	11.0	284
10	Hierarchical Heterogeneity across Human Cortex Shapes Large-Scale Neural Dynamics. <i>Neuron</i> , 2019, 101, 1181-1194.e13.	8.1	271
11	Generative modeling of brain maps with spatial autocorrelation. <i>NeuroImage</i> , 2020, 220, 117038.	4.2	250
12	When less is more: TPJ and default network deactivation during encoding predicts working memory performance. <i>NeuroImage</i> , 2010, 49, 2638-2648.	4.2	247
13	Changes in global and thalamic brain connectivity in LSD-induced altered states of consciousness are attributable to the 5-HT _{2A} receptor. <i>ELife</i> , 2018, 7, .	6.0	244
14	Global Prefrontal and Fronto-Amygdala Dysconnectivity in Bipolar I Disorder with Psychosis History. <i>Biological Psychiatry</i> , 2013, 73, 565-573.	1.3	240
15	Ketamine Treatment and Global Brain Connectivity in Major Depression. <i>Neuropsychopharmacology</i> , 2017, 42, 1210-1219.	5.4	240
16	NMDA receptor function in large-scale anticorrelated neural systems with implications for cognition and schizophrenia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16720-16725.	7.1	226
17	Variable Global Dysconnectivity and Individual Differences in Schizophrenia. <i>Biological Psychiatry</i> , 2011, 70, 43-50.	1.3	224
18	Using temporal ICA to selectively remove global noise while preserving global signal in functional MRI data. <i>NeuroImage</i> , 2018, 181, 692-717.	4.2	223

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19	Global Resting-State Functional Magnetic Resonance Imaging Analysis Identifies Frontal Cortex, Striatal, and Cerebellar Dysconnectivity in Obsessive-Compulsive Disorder. <i>Biological Psychiatry</i> , 2014, 75, 595-605.	1.3	222
20	Searching for Cross-Diagnostic Convergence: Neural Mechanisms Governing Excitation and Inhibition Balance in Schizophrenia and Autism Spectrum Disorders. <i>Biological Psychiatry</i> , 2017, 81, 848-861.	1.3	217
21	Linking Microcircuit Dysfunction to Cognitive Impairment: Effects of Disinhibition Associated with Schizophrenia in a Cortical Working Memory Model. <i>Cerebral Cortex</i> , 2014, 24, 859-872.	2.9	213
22	Cortical Abnormalities Associated With Pediatric and Adult Obsessive-Compulsive Disorder: Findings From the ENIGMA Obsessive-Compulsive Disorder Working Group. <i>American Journal of Psychiatry</i> , 2018, 175, 453-462.	7.2	197
23	Cerebello-thalamo-cortical hyperconnectivity as a state-independent functional neural signature for psychosis prediction and characterization. <i>Nature Communications</i> , 2018, 9, 3836.	12.8	156
24	Amygdala Recruitment in Schizophrenia in Response to Aversive Emotional Material: A Meta-analysis of Neuroimaging Studies. <i>Schizophrenia Bulletin</i> , 2012, 38, 608-621.	4.3	153
25	Early-Course Unmedicated Schizophrenia Patients Exhibit Elevated Prefrontal Connectivity Associated with Longitudinal Change. <i>Journal of Neuroscience</i> , 2015, 35, 267-286.	3.6	153
26	Impaired Tuning of Neural Ensembles and the Pathophysiology of Schizophrenia: A Translational and Computational Neuroscience Perspective. <i>Biological Psychiatry</i> , 2017, 81, 874-885.	1.3	151
27	N-Methyl-D-Aspartate Receptor Antagonist Effects on Prefrontal Cortical Connectivity Better Model Early Than Chronic Schizophrenia. <i>Biological Psychiatry</i> , 2015, 77, 569-580.	1.3	144
28	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. <i>JAMA Psychiatry</i> , 2021, 78, 47.	11.0	136
29	The Impact of NMDA Receptor Blockade on Human Working Memory-Related Prefrontal Function and Connectivity. <i>Neuropsychopharmacology</i> , 2013, 38, 2613-2622.	5.4	133
30	Psychometrically improved, abbreviated versions of three classic measures of impulsivity and self-control.. <i>Psychological Assessment</i> , 2014, 26, 1003-1020.	1.5	132
31	Reduced global functional connectivity of the medial prefrontal cortex in major depressive disorder. <i>Human Brain Mapping</i> , 2016, 37, 3214-3223.	3.6	125
32	Subcortical Brain Volume, Regional Cortical Thickness, and Cortical Surface Area Across Disorders: Findings From the ENIGMA ADHD, ASD, and OCD Working Groups. <i>American Journal of Psychiatry</i> , 2020, 177, 834-843.	7.2	120
33	Functional hierarchy underlies preferential connectivity disturbances in schizophrenia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E219-28.	7.1	115
34	Comparing surface-based and volume-based analyses of functional neuroimaging data in patients with schizophrenia. <i>NeuroImage</i> , 2008, 41, 835-848.	4.2	109
35	Psilocybin Induces Time-Dependent Changes in Global Functional Connectivity. <i>Biological Psychiatry</i> , 2020, 88, 197-207.	1.3	104
36	Resisting emotional interference: Brain regions facilitating working memory performance during negative distraction. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2010, 10, 159-173.	2.0	102

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37	Working Memory Encoding and Maintenance Deficits in Schizophrenia: Neural Evidence for Activation and Deactivation Abnormalities. <i>Schizophrenia Bulletin</i> , 2013, 39, 168-178.	4.3	102
38	Ciftify: A framework for surface-based analysis of legacy MR acquisitions. <i>NeuroImage</i> , 2019, 197, 818-826.	4.2	101
39	Emotion Effects on Attention, Amygdala Activation, and Functional Connectivity in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2012, 38, 967-980.	4.3	91
40	A framework for the investigation of rare genetic disorders in neuropsychiatry. <i>Nature Medicine</i> , 2019, 25, 1477-1487.	30.7	90
41	Mediodorsal and Visual Thalamic Connectivity Differ in Schizophrenia and Bipolar Disorder With and Without Psychosis History. <i>Schizophrenia Bulletin</i> , 2014, 40, 1227-1243.	4.3	84
42	Greater male than female variability in regional brain structure across the lifespan. <i>Human Brain Mapping</i> , 2022, 43, 470-499.	3.6	76
43	Ventral Anterior Cingulate Connectivity Distinguished Nonpsychotic Bipolar Illness From Psychotic Bipolar Disorder and Schizophrenia. <i>Schizophrenia Bulletin</i> , 2015, 41, 133-143.	4.3	73
44	Mapping Cortical and Subcortical Asymmetry in Obsessive-Compulsive Disorder: Findings From the ENIGMA Consortium. <i>Biological Psychiatry</i> , 2020, 87, 1022-1034.	1.3	73
45	Connectivity, Pharmacology, and Computation: Toward a Mechanistic Understanding of Neural System Dysfunction in Schizophrenia. <i>Frontiers in Psychiatry</i> , 2013, 4, 169.	2.6	68
46	Amygdala Connectivity Differs Among Chronic, Early Course, and Individuals at Risk for Developing Schizophrenia. <i>Schizophrenia Bulletin</i> , 2014, 40, 1105-1116.	4.3	67
47	Negative and Nonemotional Interference with Visual Working Memory in Schizophrenia. <i>Biological Psychiatry</i> , 2011, 70, 1159-1168.	1.3	65
48	Global connectivity of the fronto-parietal cognitive control network is related to depression symptoms in the general population. <i>Network Neuroscience</i> , 2019, 3, 107-123.	2.6	65
49	Quantum computing at the frontiers of biological sciences. <i>Nature Methods</i> , 2021, 18, 701-709.	19.0	64
50	Altered Global Signal Topography in Schizophrenia. <i>Cerebral Cortex</i> , 2017, 27, 5156-5169.	2.9	61
51	Maternal separation enhances neuronal activation and cardiovascular responses to acute stress in borderline hypertensive rats. <i>Behavioural Brain Research</i> , 2007, 183, 25-30.	2.2	59
52	An Empirical Comparison of Meta- and Mega-Analysis With Data From the ENIGMA Obsessive-Compulsive Disorder Working Group. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 102.	2.5	59
53	Functional connectivity change as shared signal dynamics. <i>Journal of Neuroscience Methods</i> , 2016, 259, 22-39.	2.5	58
54	A broken filter: Prefrontal functional connectivity abnormalities in schizophrenia during working memory interference. <i>Schizophrenia Research</i> , 2012, 141, 8-14.	2.0	57

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55	Multimodal Investigation of Network Level Effects Using Intrinsic Functional Connectivity, Anatomical Covariance, and Structure-to-Function Correlations in Unmedicated Major Depressive Disorder. <i>Neuropsychopharmacology</i> , 2018, 43, 1119-1127.	5.4	57
56	Toward Leveraging Human Connectomic Data in Large Consortia: Generalizability of fMRI-Based Brain Graphs Across Sites, Sessions, and Paradigms. <i>Cerebral Cortex</i> , 2019, 29, 1263-1279.	2.9	55
57	How Can Global Alteration of Excitation/Inhibition Balance Lead to the Local Dysfunctions That Underlie Schizophrenia?. <i>Biological Psychiatry</i> , 2017, 81, 818-820.	1.3	54
58	Schizophrenia is associated with a pattern of spatial working memory deficits consistent with cortical disinhibition. <i>Schizophrenia Research</i> , 2017, 181, 107-116.	2.0	53
59	OUP accepted manuscript. <i>Brain</i> , 2020, 143, 684-700.	7.6	53
60	Symmetric abnormalities in sulcal patterning in schizophrenia. <i>NeuroImage</i> , 2008, 43, 440-446.	4.2	50
61	Bridging Levels of Understanding in Schizophrenia Through Computational Modeling. <i>Clinical Psychological Science</i> , 2015, 3, 433-459.	4.0	50
62	Cognition-Emotion Dysinteraction in Schizophrenia. <i>Frontiers in Psychology</i> , 2012, 3, 392.	2.1	47
63	Toward understanding thalamocortical dysfunction in schizophrenia through computational models of neural circuit dynamics. <i>Schizophrenia Research</i> , 2017, 180, 70-77.	2.0	47
64	Autism Spectrum Disorder and Schizophrenia Are Better Differentiated by Positive Symptoms Than Negative Symptoms. <i>Frontiers in Psychiatry</i> , 2020, 11, 548.	2.6	44
65	Toward Illness Phase-Specific Pharmacotherapy for Schizophrenia. <i>Biological Psychiatry</i> , 2015, 78, 738-740.	1.3	43
66	Arbitration between Action Strategies in Obsessive-Compulsive Disorder. <i>Neuroscientist</i> , 2016, 22, 188-198.	3.5	43
67	Structural neuroimaging biomarkers for obsessive-compulsive disorder in the ENIGMA-OCD consortium: medication matters. <i>Translational Psychiatry</i> , 2020, 10, 342.	4.8	43
68	In Vivo Evidence for $\alpha 2$ Nicotinic Acetylcholine Receptor Subunit Upregulation in Smokers as Compared With Nonsmokers With Schizophrenia. <i>Biological Psychiatry</i> , 2014, 76, 495-502.	1.3	41
69	Classification of temporal ICA components for separating global noise from fMRI data: Reply to Power. <i>NeuroImage</i> , 2019, 197, 435-438.	4.2	40
70	Computational Modeling of Electroencephalography and Functional Magnetic Resonance Imaging Paradigms Indicates a Consistent Loss of Pyramidal Cell Synaptic Gain in Schizophrenia. <i>Biological Psychiatry</i> , 2022, 91, 202-215.	1.3	40
71	Increased Thalamocortical Connectivity in Schizophrenia Correlates With Sleep Spindle Deficits: Evidence for a Common Pathophysiology. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 706-714.	1.5	39
72	Computational Psychiatry and the Challenge of Schizophrenia. <i>Schizophrenia Bulletin</i> , 2017, 43, 473-475.	4.3	38

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73	Regulation of Craving and Negative Emotion in Alcohol Use Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 239-250.	1.5	38
74	Progressive reconfiguration of resting-state brain networks as psychosis develops: Preliminary results from the North American Prodrome Longitudinal Study (NAPLS) consortium. <i>Schizophrenia Research</i> , 2020, 226, 30-37.	2.0	36
75	Biophysical Modeling of Large-Scale Brain Dynamics and Applications for Computational Psychiatry. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 777-787.	1.5	35
76	Amygdala volume is reduced in early course schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2016, 250, 50-60.	1.8	33
77	White matter microstructure and its relation to clinical features of obsessive-compulsive disorder: findings from the ENIGMA OCD Working Group. <i>Translational Psychiatry</i> , 2021, 11, 173.	4.8	33
78	Effects of Altered Excitation-Inhibition Balance on Decision Making in a Cortical Circuit Model. <i>Journal of Neuroscience</i> , 2022, 42, 1035-1053.	3.6	33
79	Toward Generalizable and Transdiagnostic Tools for Psychosis Prediction: An Independent Validation and Improvement of the NAPLS-2 Risk Calculator in the Multisite PRONIA Cohort. <i>Biological Psychiatry</i> , 2021, 90, 632-642.	1.3	32
80	Dissociable Disruptions in Thalamic and Hippocampal Resting-State Functional Connectivity in Youth with 22q11.2 Deletions. <i>Journal of Neuroscience</i> , 2019, 39, 1301-1319.	3.6	31
81	Thalamic Nuclei Volumes in Psychotic Disorders and in Youths With Psychosis Spectrum Symptoms. <i>American Journal of Psychiatry</i> , 2020, 177, 1159-1167.	7.2	31
82	Structural Covariance Reveals Alterations in Control and Salience Network Integrity in Chronic Schizophrenia. <i>Cerebral Cortex</i> , 2019, 29, 5269-5284.	2.9	29
83	Counterpoint. Early intervention for psychosis risk syndromes: Minimizing risk and maximizing benefit. <i>Schizophrenia Research</i> , 2021, 227, 10-17.	2.0	28
84	Emotional and cognitive dysregulation in schizophrenia and depression: understanding common and distinct behavioral and neural mechanisms. <i>Dialogues in Clinical Neuroscience</i> , 2015, 17, 421-434.	3.7	28
85	Schizophrenia Exhibits Bi-directional Brain-Wide Alterations in Cortico-Striato-Cerebellar Circuits. <i>Cerebral Cortex</i> , 2019, 29, 4463-4487.	2.9	27
86	Re-conceptualizing ASD Within a Dimensional Framework: Positive, Negative, and Cognitive Feature Clusters. <i>Journal of Autism and Developmental Disorders</i> , 2016, 46, 342-351.	2.7	25
87	A Whole-Brain and Cross-Diagnostic Perspective on Functional Brain Network Dysfunction. <i>Cerebral Cortex</i> , 2021, 31, 547-561.	2.9	22
88	Transcriptomics-informed large-scale cortical model captures topography of pharmacological neuroimaging effects of LSD. <i>ELife</i> , 2021, 10, .	6.0	22
89	Integrating acquired preparedness and dual process models of risk for heavy drinking and related problems.. <i>Psychology of Addictive Behaviors</i> , 2015, 29, 864-874.	2.1	21
90	Developmentally divergent sexual dimorphism in the cortico-striatal-thalamic-cortical psychosis risk pathway. <i>Neuropsychopharmacology</i> , 2019, 44, 1649-1658.	5.4	21

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91	Contrasting contributions of anhedonia to obsessive-compulsive, hoarding, and post-traumatic stress disorders. <i>Journal of Psychiatric Research</i> , 2019, 109, 202-213.	3.1	21
92	Mapping brain-behavior space relationships along the psychosis spectrum. <i>ELife</i> , 2021, 10, .	6.0	21
93	Activity flow underlying abnormalities in brain activations and cognition in schizophrenia. <i>Science Advances</i> , 2021, 7, .	10.3	21
94	Impact of remote ischemic preconditioning preceding coronary artery bypass grafting on inducing neuroprotection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 1466-1476.e3.	0.8	19
95	The thalamus and its subnucleiâ€”a gateway to obsessive-compulsive disorder. <i>Translational Psychiatry</i> , 2022, 12, 70.	4.8	19
96	Evaluating the impact of cannabis use on thalamic connectivity in youth at clinical high risk of psychosis. <i>BMC Psychiatry</i> , 2015, 15, 276.	2.6	18
97	Ketamine Normalizes the Structural Alterations of Inferior Frontal Gyrus in Depression. <i>Chronic Stress</i> , 2020, 4, 247054702098068.	3.4	18
98	Reproducibility of myelin contentâ€”based human habenula segmentation at 3 Tesla. <i>Human Brain Mapping</i> , 2018, 39, 3058-3071.	3.6	17
99	The Association of Impulsivity and Family History of Alcohol Use Disorder on Alcohol Use and Consequences. <i>Alcoholism: Clinical and Experimental Research</i> , 2020, 44, 159-167.	2.4	17
100	Transcranial direct current stimulation targeting the medial prefrontal cortex modulates functional connectivity and enhances safety learning in obsessiveâ€”compulsive disorder: Results from two pilot studies. <i>Depression and Anxiety</i> , 2022, 39, 37-48.	4.1	17
101	Fineâ€”grained versus categorical: Pupil size differentiates between strategies for spatial working memory performance. <i>Psychophysiology</i> , 2017, 54, 724-735.	2.4	16
102	Understanding the role of thalamic circuits in schizophrenia neuropathology. <i>Schizophrenia Research</i> , 2017, 180, 1-3.	2.0	16
103	Rebalancing Altered Computations: Considering the Role of Neural Excitation and Inhibition Balance Across the Psychiatric Spectrum. <i>Biological Psychiatry</i> , 2017, 81, 816-817.	1.3	15
104	Brain function during stages of working memory in schizophrenia and psychotic bipolar disorder. <i>Neuropsychopharmacology</i> , 2019, 44, 2136-2142.	5.4	15
105	White matter changes in psychosis risk relate to development and are not impacted by the transition to psychosis. <i>Molecular Psychiatry</i> , 2021, 26, 6833-6844.	7.9	15
106	Altered Brain Activation During Memory Retrieval Precedes and Predicts Conversion to Psychosis in Individuals at Clinical High Risk. <i>Schizophrenia Bulletin</i> , 2019, 45, 924-933.	4.3	14
107	Thalamic dysconnectivity in the psychosis risk syndrome and early illness schizophrenia. <i>Psychological Medicine</i> , 2022, 52, 2767-2775.	4.5	12
108	Characterizing effects of age, sex and psychosis symptoms on thalamocortical functional connectivity in youth. <i>NeuroImage</i> , 2021, 243, 118562.	4.2	12

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109	Automated landmark identification for human cortical surface-based registration. <i>NeuroImage</i> , 2012, 59, 2539-2547.	4.2	11
110	Dopamine D1R Receptor Stimulation as a Mechanistic Pro-cognitive Target for Schizophrenia. <i>Schizophrenia Bulletin</i> , 2022, 48, 199-210.	4.3	11
111	Effects of reward on spatial working memory in schizophrenia.. <i>Journal of Abnormal Psychology</i> , 2018, 127, 695-709.	1.9	9
112	Development of Thalamocortical Structural Connectivity in Typically Developing and Psychosis Spectrum Youths. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 782-792.	1.5	8
113	Cross-paradigm connectivity: reliability, stability, and utility. <i>Brain Imaging and Behavior</i> , 2021, 15, 614-629.	2.1	7
114	Impact of remote ischemic preconditioning preceding coronary artery bypass grafting on inducing neuroprotection (RIPCAGE): study protocol for a randomized controlled trial. <i>Trials</i> , 2014, 15, 414.	1.6	5
115	Subcortical alignment precision in patients with schizophrenia. <i>Schizophrenia Research</i> , 2010, 120, 76-83.	2.0	4
116	Refining the Empirical Constraints on Computational Models of Spatial Working Memory in Schizophrenia. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 913-922.	1.5	4
117	Reward and loss incentives improve spatial working memory by shaping trial-by-trial posterior frontoparietal signals. <i>NeuroImage</i> , 2022, 254, 119139.	4.2	4
118	Mapping data-driven individualized neurobehavioral phenotypes in heavy alcohol drinkers. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 841-853.	2.4	3
119	Electrophysiological Studies of Reception of Facial Communication in Autism Spectrum Disorder and Schizophrenia. <i>Review Journal of Autism and Developmental Disorders</i> , 2022, 9, 521-554.	3.4	2
120	Translational cognitive neuroscience of schizophrenia: bridging neurocognitive and computational approaches toward understanding cognitive deficits. , 0, , 193-230.		1
121	Meeting Emerging Challenges and Opportunities in Psychiatry Through Computational Neuroscience. , 2018, , xiii-xxxi.		0
122	Transcriptomics Inform Hierarchical Neuroimaging Features Relevant for Psychosis Spectrum Symptoms. <i>Biological Psychiatry</i> , 2020, 88, 212-214.	1.3	0
123	Illness Phase as a Key Assessment and Intervention Window for Psychosis. <i>Biological Psychiatry Global Open Science</i> , 2022, , .	2.2	0