Alan Anticevic

List of Publications by Year
in descending order

123 papers	13,018 citations	36203 51 h-index	30848 102 g-index
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. Nature Neuroscience, 2013, 16, 1348-1355.	7.1	1,377
2	The role of default network deactivation in cognition and disease. Trends in Cognitive Sciences, 2012, 16, 584-592.	4.0	805
3	Global Connectivity of Prefrontal Cortex Predicts Cognitive Control and Intelligence. Journal of Neuroscience, 2012, 32, 8988-8999.	1.7	540
4	Hierarchy of transcriptomic specialization across human cortex captured by structural neuroimaging topography. Nature Neuroscience, 2018, 21, 1251-1259.	7.1	459
5	Characterizing Thalamo-Cortical Disturbances in Schizophrenia and Bipolar Illness. Cerebral Cortex, 2014, 24, 3116-3130.	1.6	415
6	The Frontoparietal Control System. Neuroscientist, 2014, 20, 652-664.	2.6	394
7	Mapping the human brain's cortical-subcortical functional network organization. NeuroImage, 2019, 185, 35-57.	2.1	371
8	Altered global brain signal in schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7438-7443.	3.3	347
9	Association of Thalamic Dysconnectivity and Conversion to Psychosis in Youth and Young Adults at Elevated Clinical Risk. JAMA Psychiatry, 2015, 72, 882.	6.0	284
10	Hierarchical Heterogeneity across Human Cortex Shapes Large-Scale Neural Dynamics. Neuron, 2019, 101, 1181-1194.e13.	3.8	271
11	Generative modeling of brain maps with spatial autocorrelation. NeuroImage, 2020, 220, 117038.	2.1	250
12	When less is more: TPJ and default network deactivation during encoding predicts working memory performance. NeuroImage, 2010, 49, 2638-2648.	2.1	247
13	Changes in global and thalamic brain connectivity in LSD-induced altered states of consciousness are attributable to the 5-HT2A receptor. ELife, 2018, 7, .	2.8	244
14	Global Prefrontal and Fronto-Amygdala Dysconnectivity in Bipolar I Disorder with Psychosis History. Biological Psychiatry, 2013, 73, 565-573.	0.7	240
15	Ketamine Treatment and Global Brain Connectivity in Major Depression. Neuropsychopharmacology, 2017, 42, 1210-1219.	2.8	240
16	NMDA receptor function in large-scale anticorrelated neural systems with implications for cognition and schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16720-16725.	3.3	226
17	Variable Global Dysconnectivity and Individual Differences in Schizophrenia. Biological Psychiatry, 2011, 70, 43-50.	0.7	224
18	Using temporal ICA to selectively remove global noise while preserving global signal in functional MRI data. NeuroImage, 2018, 181, 692-717.	2.1	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. Biological Psychiatry, 2014, 75, 595-605.	0.7	222
20	Searching for Cross-Diagnostic Convergence: Neural Mechanisms Governing Excitation and Inhibition Balance in Schizophrenia and Autism Spectrum Disorders. Biological Psychiatry, 2017, 81, 848-861.	0.7	217
21	Linking Microcircuit Dysfunction to Cognitive Impairment: Effects of Disinhibition Associated with Schizophrenia in a Cortical Working Memory Model. Cerebral Cortex, 2014, 24, 859-872.	1.6	213
22	Cortical Abnormalities Associated With Pediatric and Adult Obsessive-Compulsive Disorder: Findings From the ENIGMA Obsessive-Compulsive Disorder Working Group. American Journal of Psychiatry, 2018, 175, 453-462.	4.0	197
23	Cerebello-thalamo-cortical hyperconnectivity as a state-independent functional neural signature for psychosis prediction and characterization. Nature Communications, 2018, 9, 3836.	5.8	156
24	Amygdala Recruitment in Schizophrenia in Response to Aversive Emotional Material: A Meta-analysis of Neuroimaging Studies. Schizophrenia Bulletin, 2012, 38, 608-621.	2.3	153
25	Early-Course Unmedicated Schizophrenia Patients Exhibit Elevated Prefrontal Connectivity Associated with Longitudinal Change. Journal of Neuroscience, 2015, 35, 267-286.	1.7	153
26	Impaired Tuning of Neural Ensembles and the Pathophysiology of Schizophrenia: A Translational and Computational Neuroscience Perspective. Biological Psychiatry, 2017, 81, 874-885.	0.7	151
27	N-Methyl-D-Aspartate Receptor Antagonist Effects on Prefrontal Cortical Connectivity Better Model Early Than Chronic Schizophrenia. Biological Psychiatry, 2015, 77, 569-580.	0.7	144
28	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. JAMA Psychiatry, 2021, 78, 47.	6.0	136
29	The Impact of NMDA Receptor Blockade on Human Working Memory-Related Prefrontal Function and Connectivity. Neuropsychopharmacology, 2013, 38, 2613-2622.	2.8	133
30	Psychometrically improved, abbreviated versions of three classic measures of impulsivity and self-control.. Psychological Assessment, 2014, 26, 1003-1020.	1.2	132
31	Reduced global functional connectivity of the medial prefrontal cortex in major depressive disorder. Human Brain Mapping, 2016, 37, 3214-3223.	1.9	125
32	Subcortical Brain Volume, Regional Cortical Thickness, and Cortical Surface Area Across Disorders: Findings From the ENIGMA ADHD, ASD, and OCD Working Groups. American Journal of Psychiatry, 2020, 177, 834-843.	4.0	120
33	Functional hierarchy underlies preferential connectivity disturbances in schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E219-28.	3.3	115
34	Comparing surface-based and volume-based analyses of functional neuroimaging data in patients with schizophrenia. NeuroImage, 2008, 41, 835-848.	2.1	109
35	Psilocybin Induces Time-Dependent Changes in Global Functional Connectivity. Biological Psychiatry, 2020, 88, 197-207.	0.7	104
36	Resisting emotional interference: Brain regions facilitating working memory performance during negative distraction. Cognitive, Affective and Behavioral Neuroscience, 2010, 10, 159-173.	1.0	102

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37	Working Memory Encoding and Maintenance Deficits in Schizophrenia: Neural Evidence for Activation and Deactivation Abnormalities. Schizophrenia Bulletin, 2013, 39, 168-178.	2.3	102
38	Ciftify: A framework for surface-based analysis of legacy MR acquisitions. NeuroImage, 2019, 197, 818-826.	2.1	101
39	Emotion Effects on Attention, Amygdala Activation, and Functional Connectivity in Schizophrenia. Schizophrenia Bulletin, 2012, 38, 967-980.	2.3	91
40	A framework for the investigation of rare genetic disorders in neuropsychiatry. Nature Medicine, 2019, 25, 1477-1487.	15.2	90
41	Mediodorsal and Visual Thalamic Connectivity Differ in Schizophrenia and Bipolar Disorder With and Without Psychosis History. Schizophrenia Bulletin, 2014, 40, 1227-1243.	2.3	84
42	Greater male than female variability in regional brain structure across the lifespan. Human Brain Mapping, 2022, 43, 470-499.	1.9	76
43	Ventral Anterior Cingulate Connectivity Distinguished Nonpsychotic Bipolar Illness From Psychotic Bipolar Disorder and Schizophrenia. Schizophrenia Bulletin, 2015, 41, 133-143.	2.3	73
44	Mapping Cortical and Subcortical Asymmetry in Obsessive-Compulsive Disorder: Findings From the ENIGMA Consortium. Biological Psychiatry, 2020, 87, 1022-1034.	0.7	73
45	Connectivity, Pharmacology, and Computation: Toward a Mechanistic Understanding of Neural System Dysfunction in Schizophrenia. Frontiers in Psychiatry, 2013, 4, 169.	1.3	68
46	Amygdala Connectivity Differs Among Chronic, Early Course, and Individuals at Risk for Developing Schizophrenia. Schizophrenia Bulletin, 2014, 40, 1105-1116.	2.3	67
47	Negative and Nonemotional Interference with Visual Working Memory in Schizophrenia. Biological Psychiatry, 2011, 70, 1159-1168.	0.7	65
48	Global connectivity of the fronto-parietal cognitive control network is related to depression symptoms in the general population. Network Neuroscience, 2019, 3, 107-123.	1.4	65
49	Quantum computing at the frontiers of biological sciences. Nature Methods, 2021, 18, 701-709.	9.0	64
50	Altered Global Signal Topography in Schizophrenia. Cerebral Cortex, 2017, 27, 5156-5169.	1.6	61
51	Maternal separation enhances neuronal activation and cardiovascular responses to acute stress in borderline hypertensive rats. Behavioural Brain Research, 2007, 183, 25-30.	1.2	59
52	An Empirical Comparison of Meta- and Mega-Analysis With Data From the ENIGMA Obsessive-Compulsive Disorder Working Group. Frontiers in Neuroinformatics, 2018, 12, 102.	1.3	59
53	Functional connectivity change as shared signal dynamics. Journal of Neuroscience Methods, 2016, 259, 22-39.	1.3	58
54	A broken filter: Prefrontal functional connectivity abnormalities in schizophrenia during working memory interference. Schizophrenia Research, 2012, 141, 8-14.	1.1	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. Neuropsychopharmacology, 2018, 43, 1119-1127.	2.8	57
56	Toward Leveraging Human Connectomic Data in Large Consortia: Generalizability of fMRI-Based Brain Graphs Across Sites, Sessions, and Paradigms. Cerebral Cortex, 2019, 29, 1263-1279.	1.6	55
57	How Can Global Alteration of Excitation/Inhibition Balance Lead to the Local Dysfunctions That Underlie Schizophrenia?. Biological Psychiatry, 2017, 81, 818-820.	0.7	54
58	Schizophrenia is associated with a pattern of spatial working memory deficits consistent with cortical disinhibition. Schizophrenia Research, 2017, 181, 107-116.	1.1	53
59	OUP accepted manuscript. Brain, 2020, 143, 684-700.	3.7	53
60	Symmetric abnormalities in sulcal patterning in schizophrenia. NeuroImage, 2008, 43, 440-446.	2.1	50
61	Bridging Levels of Understanding in Schizophrenia Through Computational Modeling. Clinical Psychological Science, 2015, 3, 433-459.	2.4	50
62	Cognition-Emotion Dysinteraction in Schizophrenia. Frontiers in Psychology, 2012, 3, 392.	1.1	47
63	Toward understanding thalamocortical dysfunction in schizophrenia through computational models of neural circuit dynamics. Schizophrenia Research, 2017, 180, 70-77.	1.1	47
64	Autism Spectrum Disorder and Schizophrenia Are Better Differentiated by Positive Symptoms Than Negative Symptoms. Frontiers in Psychiatry, 2020, 11, 548.	1.3	44
65	Toward Illness Phase–Specific Pharmacotherapy for Schizophrenia. Biological Psychiatry, 2015, 78, 738-740.	0.7	43
66	Arbitration between Action Strategies in Obsessive-Compulsive Disorder. Neuroscientist, 2016, 22, 188-198.	2.6	43
67	Structural neuroimaging biomarkers for obsessive-compulsive disorder in the ENIGMA-OCD consortium: medication matters. Translational Psychiatry, 2020, 10, 342.	2.4	43
68	In Vivo Evidence for Î²2 Nicotinic Acetylcholine Receptor Subunit Upregulation in Smokers as Compared With Nonsmokers With Schizophrenia. Biological Psychiatry, 2014, 76, 495-502.	0.7	41
69	Classification of temporal ICA components for separating global noise from fMRI data: Reply to Power. NeuroImage, 2019, 197, 435-438.	2.1	40
70	Computational Modeling of Electroencephalography and Functional Magnetic Resonance Imaging Paradigms Indicates a Consistent Loss of Pyramidal Cell Synaptic Gain in Schizophrenia. Biological Psychiatry, 2022, 91, 202-215.	0.7	40
71	Increased Thalamocortical Connectivity in Schizophrenia Correlates With Sleep Spindle Deficits: Evidence for a Common Pathophysiology. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 706-714.	1.1	39
72	Computational Psychiatry and the Challenge of Schizophrenia. Schizophrenia Bulletin, 2017, 43, 473-475.	2.3	38

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73	Regulation of Craving and Negative Emotion in Alcohol Use Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 239-250.	1.1	38
74	Progressive reconfiguration of resting-state brain networks as psychosis develops: Preliminary results from the North American Prodrome Longitudinal Study (NAPLS) consortium. Schizophrenia Research, 2020, 226, 30-37.	1.1	36
75	Biophysical Modeling of Large-Scale Brain Dynamics and Applications for ComputationalÂPsychiatry. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 777-787.	1.1	35
76	Amygdala volume is reduced in early course schizophrenia. Psychiatry Research - Neuroimaging, 2016, 250, 50-60.	0.9	33
77	White matter microstructure and its relation to clinical features of obsessiveâ€"compulsive disorder: findings from the ENIGMA OCD Working Group. Translational Psychiatry, 2021, 11, 173.	2.4	33
78	Effects of Altered Excitation-Inhibition Balance on Decision Making in a Cortical Circuit Model. Journal of Neuroscience, 2022, 42, 1035-1053.	1.7	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. Biological Psychiatry, 2021, 90, 632-642.	0.7	32
80	Dissociable Disruptions in Thalamic and Hippocampal Resting-State Functional Connectivity in Youth with 22q11.2 Deletions. Journal of Neuroscience, 2019, 39, 1301-1319.	1.7	31
81	Thalamic Nuclei Volumes in Psychotic Disorders and in Youths With Psychosis Spectrum Symptoms. American Journal of Psychiatry, 2020, 177, 1159-1167.	4.0	31
82	Structural Covariance Reveals Alterations in Control and Salience Network Integrity in Chronic Schizophrenia. Cerebral Cortex, 2019, 29, 5269-5284.	1.6	29
83	Counterpoint. Early intervention for psychosis risk syndromes: Minimizing risk and maximizing benefit. Schizophrenia Research, 2021, 227, 10-17.	1.1	28
84	Emotional and cognitive dysregulation in schizophrenia and depression: understanding common and distinct behavioral and neural mechanisms. Dialogues in Clinical Neuroscience, 2015, 17, 421-434.	1.8	28
85	Schizophrenia Exhibits Bi-directional Brain-Wide Alterations in Cortico-Striato-Cerebellar Circuits. Cerebral Cortex, 2019, 29, 4463-4487.	1.6	27
86	Re-conceptualizing ASD Within a Dimensional Framework: Positive, Negative, and Cognitive Feature Clusters. Journal of Autism and Developmental Disorders, 2016, 46, 342-351.	1.7	25
87	A Whole-Brain and Cross-Diagnostic Perspective on Functional Brain Network Dysfunction. Cerebral Cortex, 2021, 31, 547-561.	1.6	22
88	Transcriptomics-informed large-scale cortical model captures topography of pharmacological neuroimaging effects of LSD. ELife, 2021, 10, .	2.8	22
89	Integrating acquired preparedness and dual process models of risk for heavy drinking and related problems.. Psychology of Addictive Behaviors, 2015, 29, 864-874.	1.4	21
90	Developmentally divergent sexual dimorphism in the cortico-striatalâ€"thalamicâ€"cortical psychosis risk pathway. Neuropsychopharmacology, 2019, 44, 1649-1658.	2.8	21

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91	Contrasting contributions of anhedonia to obsessive-compulsive, hoarding, and post-traumatic stress disorders. Journal of Psychiatric Research, 2019, 109, 202-213.	1.5	21
92	Mapping brain-behavior space relationships along the psychosis spectrum. ELife, 2021, 10, .	2.8	21
93	Activity flow underlying abnormalities in brain activations and cognition in schizophrenia. Science Advances, 2021, 7, .	4.7	21
94	Impact of remote ischemic preconditioning preceding coronary artery bypass grafting on inducing neuroprotection. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 1466-1476.e3.	0.4	19
95	The thalamus and its subnucleiâ€"a gateway to obsessive-compulsive disorder. Translational Psychiatry, 2022, 12, 70.	2.4	19
96	Evaluating the impact of cannabis use on thalamic connectivity in youth at clinical high risk of psychosis. BMC Psychiatry, 2015, 15, 276.	1.1	18
97	Ketamine Normalizes the Structural Alterations of Inferior Frontal Gyrus in Depression. Chronic Stress, 2020, 4, 247054702098068.	1.7	18
98	Reproducibility of myelin contentâ€based human habenula segmentation at 3 Tesla. Human Brain Mapping, 2018, 39, 3058-3071.	1.9	17
99	The Association of Impulsivity and Family History of Alcohol Use Disorder on Alcohol Use and Consequences. Alcoholism: Clinical and Experimental Research, 2020, 44, 159-167.	1.4	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. Depression and Anxiety, 2022, 39, 37-48.	2.0	17
101	Fineâ€grained versus categorical: Pupil size differentiates between strategies for spatial working memory performance. Psychophysiology, 2017, 54, 724-735.	1.2	16
102	Understanding the role of thalamic circuits in schizophrenia neuropathology. Schizophrenia Research, 2017, 180, 1-3.	1.1	16
103	Rebalancing Altered Computations: Considering the Role of Neural Excitation and Inhibition Balance Across the Psychiatric Spectrum. Biological Psychiatry, 2017, 81, 816-817.	0.7	15
104	Brain function during stages of working memory in schizophrenia and psychotic bipolar disorder. Neuropsychopharmacology, 2019, 44, 2136-2142.	2.8	15
105	White matter changes in psychosis risk relate to development and are not impacted by the transition to psychosis. Molecular Psychiatry, 2021, 26, 6833-6844.	4.1	15
106	Altered Brain Activation During Memory Retrieval Precedes and Predicts Conversion to Psychosis in Individuals at Clinical High Risk. Schizophrenia Bulletin, 2019, 45, 924-933.	2.3	14
107	Thalamic dysconnectivity in the psychosis risk syndrome and early illness schizophrenia. Psychological Medicine, 2022, 52, 2767-2775.	2.7	12
108	Characterizing effects of age, sex and psychosis symptoms on thalamocortical functional connectivity in youth. NeuroImage, 2021, 243, 118562.	2.1	12

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109	Automated landmark identification for human cortical surface-based registration. NeuroImage, 2012, 59, 2539-2547.	2.1	11
110	Dopamine D1R Receptor Stimulation as a Mechanistic Pro-cognitive Target for Schizophrenia. Schizophrenia Bulletin, 2022, 48, 199-210.	2.3	11
111	Effects of reward on spatial working memory in schizophrenia.. Journal of Abnormal Psychology, 2018, 127, 695-709.	2.0	9
112	Development of Thalamocortical Structural Connectivity in Typically Developing and Psychosis Spectrum Youths. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 782-792.	1.1	8
113	Cross-paradigm connectivity: reliability, stability, and utility. Brain Imaging and Behavior, 2021, 15, 614-629.	1.1	7
114	Impact of remote ischemic preconditioning preceding coronary artery bypass grafting on inducing neuroprotection (RIPCAGE): study protocol for a randomized controlled trial. Trials, 2014, 15, 414.	0.7	5
115	Subcortical alignment precision in patients with schizophrenia. Schizophrenia Research, 2010, 120, 76-83.	1.1	4
116	Refining the Empirical Constraints on Computational Models of Spatial Working Memory in Schizophrenia. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 913-922.	1.1	4
117	Reward and loss incentives improve spatial working memory by shaping trial-by-trial posterior frontoparietal signals. NeuroImage, 2022, 254, 119139.	2.1	4
118	Mapping data†driven individualized neurobehavioral phenotypes in heavy alcohol drinkers. Alcoholism: Clinical and Experimental Research, 2021, 45, 841-853.	1.4	3
119	Electrophysiological Studies of Reception of Facial Communication in Autism Spectrum Disorder and Schizophrenia. Review Journal of Autism and Developmental Disorders, 2022, 9, 521-554.	2.2	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. Biological Psychiatry, 2020, 88, 212-214.	0.7	0
123	Illness Phase as a Key Assessment and Intervention Window for Psychosis. Biological Psychiatry Global Open Science, 2022, , .	1.0	0