

# Avram J Holmes

## List of Publications by Year in descending order

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93  
papers

14,411  
citations

44444

50  
h-index

54771

88  
g-index

119  
all docs

119  
docs citations

119  
times ranked

18434  
citing authors

#	ARTICLE	IF	CITATIONS
1	Local-Global Parcellation of the Human Cerebral Cortex from Intrinsic Functional Connectivity MRI. <i>Cerebral Cortex</i> , 2018, 28, 3095-3114.	1.6	1,804
2	Reduced Caudate and Nucleus Accumbens Response to Rewards in Unmedicated Individuals With Major Depressive Disorder. <i>American Journal of Psychiatry</i> , 2009, 166, 702-710.	4.0	1,003
3	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229.	13.7	772
4	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014, 8, 153-182.	1.1	696
5	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , 2012, 44, 552-561.	9.4	594
6	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	6.0	450
7	Spatial Topography of Individual-Specific Cortical Networks Predicts Human Cognition, Personality, and Emotion. <i>Cerebral Cortex</i> , 2019, 29, 2533-2551.	1.6	430
8	Parcellating cortical functional networks in individuals. <i>Nature Neuroscience</i> , 2015, 18, 1853-1860.	7.1	429
9	Brain Reactivity to Smoking Cues Prior to Smoking Cessation Predicts Ability to Maintain Tobacco Abstinence. <i>Biological Psychiatry</i> , 2010, 67, 722-729.	0.7	371
10	An open science resource for establishing reliability and reproducibility in functional connectomics. <i>Scientific Data</i> , 2014, 1, 140049.	2.4	349
11	Disruption of Cortical Association Networks in Schizophrenia and Psychotic Bipolar Disorder. <i>JAMA Psychiatry</i> , 2014, 71, 109.	6.0	332
12	Brain Genomics Superstruct Project initial data release with structural, functional, and behavioral measures. <i>Scientific Data</i> , 2015, 2, 150031.	2.4	318
13	Specificity of Prefrontal Dysfunction and Context Processing Deficits to Schizophrenia in Never-Medicated Patients With First-Episode Psychosis. <i>American Journal of Psychiatry</i> , 2005, 162, 475-484.	4.0	301
14	Global signal regression strengthens association between resting-state functional connectivity and behavior. <i>NeuroImage</i> , 2019, 196, 126-141.	2.1	292
15	Childhood Adversity Is Associated with Left Basal Ganglia Dysfunction During Reward Anticipation in Adulthood. <i>Biological Psychiatry</i> , 2009, 66, 206-213.	0.7	282
16	Illness Progression, Recent Stress, and Morphometry of Hippocampal Subfields and Medial Prefrontal Cortex in Major Depression. <i>Biological Psychiatry</i> , 2015, 77, 285-294.	0.7	267
17	Individual Differences in Amygdala-Medial Prefrontal Anatomy Link Negative Affect, Impaired Social Functioning, and Polygenic Depression Risk. <i>Journal of Neuroscience</i> , 2012, 32, 18087-18100.	1.7	250
18	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	5.8	250

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19	Spatiotemporal Dynamics of Error Processing Dysfunctions in Major Depressive Disorder. Archives of General Psychiatry, 2008, 65, 179.	13.8	246
20	Novel genetic loci underlying human intracranial volume identified through genome-wide association. Nature Neuroscience, 2016, 19, 1569-1582.	7.1	213
21	Genetic architecture of subcortical brain structures in 38,851 individuals. Nature Genetics, 2019, 51, 1624-1636.	9.4	192
22	Deep neural networks and kernel regression achieve comparable accuracies for functional connectivity prediction of behavior and demographics. NeuroImage, 2020, 206, 116276.	2.1	187
23	Somatosensory-Motor Dysconnectivity Spans Multiple Transdiagnostic Dimensions of Psychopathology. Biological Psychiatry, 2019, 86, 779-791.	0.7	162
24	Polygenic risk of Alzheimer disease is associated with early- and late-life processes. Neurology, 2016, 87, 481-488.	1.5	159
25	Prediction complements explanation in understanding the developing brain. Nature Communications, 2018, 9, 589.	5.8	144
26	Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3-90 years. Human Brain Mapping, 2022, 43, 431-451.	1.9	143
27	Patterns in the human brain mosaic discriminate males from females. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1968.	3.3	134
28	Functional connectomics of affective and psychotic pathology. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9050-9059.	3.3	134
29	Prefrontal functioning during context processing in schizophrenia and major depression: An event-related fMRI study. Schizophrenia Research, 2005, 76, 199-206.	1.1	128
30	Response conflict and frontocingulate dysfunction in unmedicated participants with major depression. Neuropsychologia, 2008, 46, 2904-2913.	0.7	125
31	Subspecialization within default mode nodes characterized in 10,000 UK Biobank participants. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12295-12300.	3.3	125
32	Neural Substrates of Attentional Bias for Smoking-Related Cues: An fMRI Study. Neuropsychopharmacology, 2010, 35, 2339-2345.	2.8	122
33	Heritability analysis with repeat measurements and its application to resting-state functional connectivity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5521-5526.	3.3	122
34	Shifting gradients of macroscale cortical organization mark the transition from childhood to adolescence. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	120
35	Individual differences in reinforcement learning: Behavioral, electrophysiological, and neuroimaging correlates. NeuroImage, 2008, 42, 807-816.	2.1	115
36	Individual Differences in Cognitive Control Circuit Anatomy Link Sensation Seeking, Impulsivity, and Substance Use. Journal of Neuroscience, 2016, 36, 4038-4049.	1.7	114

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37	Gene expression links functional networks across cortex and striatum. Nature Communications, 2018, 9, 1428.	5.8	110
38	The default network of the human brain is associated with perceived social isolation. Nature Communications, 2020, 11, 6393.	5.8	108
39	Individual-Specific Areal-Level Parcellations Improve Functional Connectivity Prediction of Behavior. Cerebral Cortex, 2021, 31, 4477-4500.	1.6	104
40	Dissociable recruitment of rostral anterior cingulate and inferior frontal cortex in emotional response inhibition. NeuroImage, 2008, 42, 988-997.	2.1	97
41	Task feedback effects on conflict monitoring and executive control: Relationship to subclinical measures of depression.. Emotion, 2007, 7, 68-76.	1.5	90
42	Convergent molecular, cellular, and cortical neuroimaging signatures of major depressive disorder. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25138-25149.	3.3	90
43	Enhanced negative feedback responses in remitted depression. NeuroReport, 2008, 19, 1045-1048.	0.6	86
44	Neural responses to negative feedback are related to negative emotionality in healthy adults. Social Cognitive and Affective Neuroscience, 2012, 7, 794-803.	1.5	81
45	Greater male than female variability in regional brain structure across the lifespan. Human Brain Mapping, 2022, 43, 470-499.	1.9	76
46	From Stress to Anhedonia: Molecular Processes through Functional Circuits. Trends in Neurosciences, 2019, 42, 23-42.	4.2	72
47	Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3â€“90â€“years. Human Brain Mapping, 2022, 43, 452-469.	1.9	72
48	The Human Ortholog of Acid-Sensing Ion Channel Gene ASIC1a Is Associated With Panic Disorder and Amygdala Structure and Function. Biological Psychiatry, 2014, 76, 902-910.	0.7	71
49	Dopamine Genetic Risk Score Predicts Depressive Symptoms in Healthy Adults and Adults with Depression. PLoS ONE, 2014, 9, e93772.	1.1	71
50	The Myth of Optimality in Clinical Neuroscience. Trends in Cognitive Sciences, 2018, 22, 241-257.	4.0	70
51	Massively expedited genome-wide heritability analysis (MEGHA). Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2479-2484.	3.3	69
52	Multidimensional heritability analysis of neuroanatomical shape. Nature Communications, 2016, 7, 13291.	5.8	68
53	Shared and unique brain network features predict cognitive, personality, and mental health scores in the ABCD study. Nature Communications, 2022, 13, 2217.	5.8	67
54	The human cortex possesses a reconfigurable dynamic network architecture that is disrupted in psychosis. Nature Communications, 2018, 9, 1157.	5.8	65

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55	Transcriptional and imaging-genetic association of cortical interneurons, brain function, and schizophrenia risk. <i>Nature Communications</i> , 2020, 11, 2889.	5.8	59
56	Heritability of individualized cortical network topography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	59
57	Morphometricity as a measure of the neuroanatomical signature of a trait. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5749-56.	3.3	53
58	Charting brain growth in tandem with brain templates at school age. <i>Science Bulletin</i> , 2020, 65, 1924-1934.	4.3	52
59	Serotonin Transporter Genotype and Action Monitoring Dysfunction: A Possible Substrate Underlying Increased Vulnerability to Depression. <i>Neuropsychopharmacology</i> , 2010, 35, 1186-1197.	2.8	48
60	Sensory-motor cortices shape functional connectivity dynamics in the human brain. <i>Nature Communications</i> , 2021, 12, 6373.	5.8	48
61	Relationships between depressive symptoms and brain responses during emotional movie viewing emerge in adolescence. <i>NeuroImage</i> , 2020, 216, 116217.	2.1	47
62	Cross-ethnicity/race generalization failure of behavioral prediction from resting-state functional connectivity. <i>Science Advances</i> , 2022, 8, eabj1812.	4.7	45
63	Oxytocin under opioid antagonism leads to supralinear enhancement of social attention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5247-5252.	3.3	43
64	Intrinsic Connectivity Patterns of Task-Defined Brain Networks Allow Individual Prediction of Cognitive Symptom Dimension of Schizophrenia and Are Linked to Molecular Architecture. <i>Biological Psychiatry</i> , 2021, 89, 308-319.	0.7	42
65	A Polygenic Score for Higher Educational Attainment is Associated with Larger Brains. <i>Cerebral Cortex</i> , 2019, 29, 3496-3504.	1.6	36
66	Variation in TREK1 gene linked to depression-resistant phenotype is associated with potentiated neural responses to rewards in humans. <i>Human Brain Mapping</i> , 2010, 31, 210-221.	1.9	35
67	Implicit depression and hopelessness in remitted depressed individuals. <i>Behaviour Research and Therapy</i> , 2008, 46, 1078-1084.	1.6	33
68	Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. <i>Human Brain Mapping</i> , 2022, 43, 300-328.	1.9	30
69	Meta-matching as a simple framework to translate phenotypic predictive models from big to small data. <i>Nature Neuroscience</i> , 2022, 25, 795-804.	7.1	29
70	Extreme response style in recurrent and chronically depressed patients: Change with antidepressant administration and stability during continuation treatment. <i>Journal of Consulting and Clinical Psychology</i> , 2007, 75, 145-153.	1.6	28
71	Toward Robust Anxiety Biomarkers: A Machine Learning Approach in a Large-Scale Sample. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 799-807.	1.1	25
72	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. <i>Translational Psychiatry</i> , 2021, 11, 182.	2.4	24

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73	Is deep learning better than kernel regression for functional connectivity prediction of fluid intelligence?. , 2018, , .		18
74	Altered temporal, but intact spatial, features of transient network dynamics in psychosis. <i>Molecular Psychiatry</i> , 2021, 26, 2493-2503.	4.1	15
75	Proportional intracranial volume correction differentially biases behavioral predictions across neuroanatomical features, sexes, and development. <i>NeuroImage</i> , 2022, 260, 119485.	2.1	13
76	The Role of Cognitive-Behavioral Therapy and Fluoxetine in Prevention of Recurrence of Major Depressive Disorder. <i>Cognitive Therapy and Research</i> , 2010, 34, 13-23.	1.2	12
77	Increased amygdala-visual cortex connectivity in youth with persecutory ideation. <i>Psychological Medicine</i> , 2020, 50, 273-283.	2.7	12
78	Deep learning identifies partially overlapping subnetworks in the human social brain. <i>Communications Biology</i> , 2021, 4, 65.	2.0	11
79	Anxious attachment is associated with heightened responsivity of a parietofrontal cortical network that monitors peri-personal space. <i>NeuroImage: Clinical</i> , 2021, 30, 102585.	1.4	11
80	Beyond cortex: The evolution of the human brain.. <i>Psychological Review</i> , 2023, 130, 285-307.	2.7	11
81	Decision Models and Technology Can Help Psychiatry Develop Biomarkers. <i>Frontiers in Psychiatry</i> , 2021, 12, 706655.	1.3	9
82	Neuroimaging brain growth charts: A road to mental health. <i>Psychoradiology</i> , 2021, 1, 272-286.	1.0	9
83	Elevated Amygdala Activity in Young Adults With Familial Risk for Depression: A Potential Marker of Low Resilience. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 194-202.	1.1	8
84	Diminished frontal pole size and functional connectivity in young adults with high suicidality. <i>Journal of Affective Disorders</i> , 2022, 310, 484-492.	2.0	8
85	From phenotypic chaos to neurobiological order. <i>Nature Neuroscience</i> , 2015, 18, 1532-1534.	7.1	6
86	Threat vigilance and intrinsic amygdala connectivity. <i>Human Brain Mapping</i> , 2022, 43, 3283-3292.	1.9	4
87	Local and distributed cortical markers of effort expenditure during sustained goal pursuit. <i>NeuroImage</i> , 2021, 244, 118602.	2.1	2
88	Using Large-Scale Datasets to Identify Sex and Age Specific Brain Behavior Relationships. <i>Biological Psychiatry</i> , 2022, 91, S41.	0.7	2
89	Reply to Risk and Zhu: Mixed-effects modeling as a principled approach to heritability analysis with repeat measurements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E123-E123.	3.3	0
90	Concepts and Principles of Clinical Functional Magnetic Resonance Imaging. , 2020, , 153-167.		0

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91	Linking Emotion Perception Ability to the Neural and Computational Processes Underlying Adaptive Social Functioning. <i>Biological Psychiatry</i> , 2020, 87, S192.	0.7	0
92	Anxiety Shapes Amygdala-Prefrontal Dynamics During Movie-Watching. <i>Biological Psychiatry Global Open Science</i> , 2022, , .	1.0	0
93	P526. Toward an Understanding of the Functional Connectomics of Affective and Psychotic Illness. <i>Biological Psychiatry</i> , 2022, 91, S301-S302.	0.7	0