

Aaron F Alexander-Bloch

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

6,558
citations

159585

30
h-index

114465

63
g-index

100
all docs

100
docs citations

100
times ranked

8429
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging structural co-variance between human brain regions. <i>Nature Reviews Neuroscience</i> , 2013, 14, 322-336.	10.2	841
2	On testing for spatial correspondence between maps of human brain structure and function. <i>NeuroImage</i> , 2018, 178, 540-551.	4.2	441
3	Disrupted Modularity and Local Connectivity of Brain Functional Networks in Childhood-Onset Schizophrenia. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 147.	2.5	417
4	The Convergence of Maturational Change and Structural Covariance in Human Cortical Networks. <i>Journal of Neuroscience</i> , 2013, 33, 2889-2899.	3.6	417
5	Simple models of human brain functional networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5868-5873.	7.1	303
6	Development of structure–function coupling in human brain networks during youth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 771-778.	7.1	296
7	The Anatomical Distance of Functional Connections Predicts Brain Network Topology in Health and Schizophrenia. <i>Cerebral Cortex</i> , 2013, 23, 127-138.	2.9	283
8	Neurodevelopment of the association cortices: Patterns, mechanisms, and implications for psychopathology. <i>Neuron</i> , 2021, 109, 2820-2846.	8.1	272
9	Child Psychiatry Branch of the National Institute of Mental Health Longitudinal Structural Magnetic Resonance Imaging Study of Human Brain Development. <i>Neuropsychopharmacology</i> , 2015, 40, 43-49.	5.4	259
10	Impaired Long Distance Functional Connectivity and Weighted Network Architecture in Alzheimer's Disease. <i>Cerebral Cortex</i> , 2014, 24, 1422-1435.	2.9	202
11	The discovery of population differences in network community structure: New methods and applications to brain functional networks in schizophrenia. <i>NeuroImage</i> , 2012, 59, 3889-3900.	4.2	195
12	Adolescent Tuning of Association Cortex in Human Structural Brain Networks. <i>Cerebral Cortex</i> , 2018, 28, 281-294.	2.9	195
13	Normative brain size variation and brain shape diversity in humans. <i>Science</i> , 2018, 360, 1222-1227.	12.6	194
14	Obesity associated with increased brain age from midlife. <i>Neurobiology of Aging</i> , 2016, 47, 63-70.	3.1	181
15	Individual Variation in Functional Topography of Association Networks in Youth. <i>Neuron</i> , 2020, 106, 340-353.e8.	8.1	162
16	Subtle in-scanner motion biases automated measurement of brain anatomy from in vivo MRI. <i>Human Brain Mapping</i> , 2016, 37, 2385-2397.	3.6	154
17	Sex-chromosome dosage effects on gene expression in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7398-7403.	7.1	139
18	Default mode network abnormalities in posttraumatic stress disorder: A novel network-restricted topology approach. <i>NeuroImage</i> , 2018, 176, 489-498.	4.2	138

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19	Differential Tangential Expansion as a Mechanism for Cortical Gyrfication. <i>Cerebral Cortex</i> , 2014, 24, 2219-2228.	2.9	136
20	Abnormal Cortical Growth in Schizophrenia Targets Normative Modules of Synchronized Development. <i>Biological Psychiatry</i> , 2014, 76, 438-446.	1.3	106
21	Childhood Obesity, Cortical Structure, and Executive Function in Healthy Children. <i>Cerebral Cortex</i> , 2020, 30, 2519-2528.	2.9	105
22	Human Brain Functional Network Changes Associated with Enhanced and Impaired Attentional Task Performance. <i>Journal of Neuroscience</i> , 2013, 33, 5903-5914.	3.6	103
23	Volitional eyes opening perturbs brain dynamics and functional connectivity regardless of light input. <i>NeuroImage</i> , 2013, 69, 21-34.	4.2	99
24	Anatomic Magnetic Resonance Imaging of the Developing Child and Adolescent Brain and Effects of Genetic Variation. <i>Neuropsychology Review</i> , 2010, 20, 349-361.	4.9	96
25	Structural brain development: A review of methodological approaches and best practices. <i>Developmental Cognitive Neuroscience</i> , 2018, 33, 129-148.	4.0	94
26	Waves of Maturation and Senescence in Micro-structural MRI Markers of Human Cortical Myelination over the Lifespan. <i>Cerebral Cortex</i> , 2019, 29, 1369-1381.	2.9	91
27	Independent and reproducible hippocampal radiomic biomarkers for multisite Alzheimer's disease: diagnosis, longitudinal progress and biological basis. <i>Science Bulletin</i> , 2020, 65, 1103-1113.	9.0	70
28	Longitudinal Study of Impaired Intra- and Inter-Network Brain Connectivity in Subjects at High Risk for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 913-927.	2.6	54
29	Generative models of rich clubs in Hebbian neuronal networks and large-scale human brain networks. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130531.	4.0	42
30	No Alterations of Brain Structural Asymmetry in Major Depressive Disorder: An ENIGMA Consortium Analysis. <i>American Journal of Psychiatry</i> , 2019, 176, 1039-1049.	7.2	39
31	Healthy cortical development through adolescence and early adulthood. <i>Brain Structure and Function</i> , 2017, 222, 3653-3663.	2.3	30
32	Dissociable multi-scale patterns of development in personalized brain networks. <i>Nature Communications</i> , 2022, 13, 2647.	12.8	27
33	Anatomical coupling among distributed cortical regions in youth varies as a function of individual differences in vocabulary abilities. <i>Human Brain Mapping</i> , 2014, 35, 1885-1895.	3.6	26
34	Differential Valuation and Learning From Social and Nonsocial Cues in Borderline Personality Disorder. <i>Biological Psychiatry</i> , 2018, 84, 838-845.	1.3	25
35	Imaging local genetic influences on cortical folding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7430-7436.	7.1	24
36	Developmental coupling of cerebral blood flow and fMRI fluctuations in youth. <i>Cell Reports</i> , 2022, 38, 110576.	6.4	23

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37	A developmental reduction of the excitation:inhibition ratio in association cortex during adolescence. <i>Science Advances</i> , 2022, 8, eabj8750.	10.3	22
38	Human Cortical Thickness Organized into Genetically-determined Communities across Spatial Resolutions. <i>Cerebral Cortex</i> , 2019, 29, 106-118.	2.9	18
39	A simple permutation-based test of intermodal correspondence. <i>Human Brain Mapping</i> , 2021, 42, 5175-5187.	3.6	16
40	IQSEC2 and X-linked syndromal intellectual disability. <i>Psychiatric Genetics</i> , 2016, 26, 101-108.	1.1	15
41	Evaluation of Attention-Deficit/Hyperactivity Disorder Medications, Externalizing Symptoms, and Suicidality in Children. <i>JAMA Network Open</i> , 2021, 4, e2111342.	5.9	15
42	No Association between Cortical Gyrfication or Intrinsic Curvature and Attention-deficit/Hyperactivity Disorder in Adolescents and Young Adults. <i>Frontiers in Neuroscience</i> , 2017, 11, 218.	2.8	14
43	Lesion covariance networks reveal proposed origins and pathways of diffuse gliomas. <i>Brain Communications</i> , 2021, 3, fcab289.	3.3	11
44	Associations between neighborhood socioeconomic status, parental education, and executive system activation in youth. <i>Cerebral Cortex</i> , 2023, 33, 1058-1073.	2.9	10
45	Associations of cannabis use disorder with cognition, brain structure, and brain function in African Americans. <i>Human Brain Mapping</i> , 2021, 42, 1727-1741.	3.6	9
46	Topology of brain functional connectivity networks in posttraumatic stress disorder. <i>Data in Brief</i> , 2018, 20, 1658-1675.	1.0	8
47	Time to Clinical Response in the Treatment of Early Onset Schizophrenia Spectrum Disorders Study. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2021, 31, 46-52.	1.3	8
48	Copy Number Variant Risk Scores Associated With Cognition, Psychopathology, and Brain Structure in Youths in the Philadelphia Neurodevelopmental Cohort. <i>JAMA Psychiatry</i> , 2022, 79, 699.	11.0	8
49	Altered Sex Chromosome Dosage Induces Coordinated Shifts in Cortical Anatomy and Anatomical Covariance. <i>Cerebral Cortex</i> , 2020, 30, 2215-2228.	2.9	7
50	Genetic Contributions to Multivariate Data-Driven Brain Networks Constructed via Source-Based Morphometry. <i>Cerebral Cortex</i> , 2020, 30, 4899-4913.	2.9	7
51	Comparing the Effectiveness of a Guide Booklet to Simulation-Based Training for Management of Acute Agitation. <i>Psychiatric Quarterly</i> , 2019, 90, 861-869.	2.1	6
52	Minimal Relationship between Local Gyrfication and General Cognitive Ability in Humans. <i>Cerebral Cortex</i> , 2020, 30, 3439-3450.	2.9	6
53	A Comprehensive Analysis of Cerebellar Volumes in the 22q11.2 Deletion Syndrome. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2023, 8, 79-90.	1.5	5
54	Disconnectionism in Biological Psychiatry. <i>Biological Psychiatry</i> , 2017, 82, e75-e77.	1.3	3

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55	581. The Default Mode Network in Posttraumatic Stress Disorder (PTSD): A Data-Driven Multimodal Approach. <i>Biological Psychiatry</i> , 2017, 81, S235.	1.3	3
56	Pathways to understanding psychosis through rare “ 22q11.2DS - and common variants. <i>Current Opinion in Genetics and Development</i> , 2021, 68, 35-40.	3.3	3
57	Connectome-wide Functional Connectivity Abnormalities in Youth With Obsessive-Compulsive Symptoms. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 1068-1077.	1.5	3
58	The architecture of co-morbidity networks of physical and mental health conditions in military veterans. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20190790.	2.1	3
59	IQ Modulates Coupling Between Diverse Dimensions of Psychopathology in Children and Adolescents. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2023, 62, 59-73.	0.5	3
60	Searching for Imaging Biomarkers of Psychotic Dysconnectivity. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 1135-1144.	1.5	2
61	Linking Individual Differences in Personalized Functional Network Topography to Psychopathology in Youth. <i>Biological Psychiatry</i> , 2021, 89, S360.	1.3	2
62	A Descriptive Review of the Impact of Patient Motion in Early Childhood Resting-State Functional Magnetic Resonance Imaging. <i>Diagnostics</i> , 2022, 12, 1032.	2.6	2
63	372. Healthy Developmental and Genetic Brain Modules Influence Maturation Abnormalities in Schizophrenia. <i>Biological Psychiatry</i> , 2017, 81, S152.	1.3	1
64	Sex Differences in Functional Topography of Association Networks. <i>Biological Psychiatry</i> , 2021, 89, S178.	1.3	1
65	942. Significant Overlap between Brain Maps Determined via Spatial Permutation. <i>Biological Psychiatry</i> , 2017, 81, S381.	1.3	0
66	Missed Connections: A Network Approach to Understanding Psychiatric Illness. <i>Biological Psychiatry</i> , 2018, 84, e9-e11.	1.3	0
67	T178. The Utility of Connectivity Phenotypes as Successful Biomarkers for Psychosis Diagnoses. <i>Biological Psychiatry</i> , 2019, 85, S198-S199.	1.3	0
68	F145. Extremely Weak Relationship Between Gyrfication and Intelligence. <i>Biological Psychiatry</i> , 2019, 85, S269.	1.3	0
69	Omnigenic Impact of Copy Number Variants on Cognition and Psychopathology in the Philadelphia Neurodevelopmental Cohort. <i>Biological Psychiatry</i> , 2021, 89, S320.	1.3	0
70	Mapping Physiology-Function Coupling in Youth. <i>Biological Psychiatry</i> , 2021, 89, S174.	1.3	0
71	Altered Network-Based Functional Connectivity Associated With Obsessive-Compulsive Symptoms in Youth. <i>Biological Psychiatry</i> , 2021, 89, S15-S16.	1.3	0
72	Neighborhood Socioeconomic Factors are Associated With Working Memory Performance and Executive System Activation in Youth. <i>Biological Psychiatry</i> , 2021, 89, S360-S361.	1.3	0

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73	Independent and Reproducible Hippocampal Radiomic Biomarkers for Multisite Alzheimer's Disease: Diagnosis, Longitudinal Progress and Biological Basis. SSRN Electronic Journal, 0, , .	0.4	0
74	Developmental Coupling of Cerebral Blood Flow and fMRI Fluctuations in Youth. SSRN Electronic Journal, 0, , .	0.4	0
75	NIMG-31. PROPOSED ORIGINS AND PATHWAYS OF DIFFUSE GLIOMAS REVEALED BY LESION COVARIANCE NETWORKS. Neuro-Oncology, 2021, 23, vi135-vi135.	1.2	0