

Anderson M Winkler

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

12,809
citations

76326

40
h-index

38395

95
g-index

121
all docs

121
docs citations

121
times ranked

17859
citing authors

#	ARTICLE	IF	CITATIONS
1	Permutation inference for the general linear model. <i>NeuroImage</i> , 2014, 92, 381-397.	4.2	2,870
2	Cortical thickness or grey matter volume? The importance of selecting the phenotype for imaging genetics studies. <i>NeuroImage</i> , 2010, 53, 1135-1146.	4.2	993
3	A positive-negative mode of population covariation links brain connectivity, demographics and behavior. <i>Nature Neuroscience</i> , 2015, 18, 1565-1567.	14.8	782
4	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229.	27.8	772
5	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014, 8, 153-182.	2.1	696
6	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , 2012, 44, 552-561.	21.4	594
7	Genetic control over the resting brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1223-1228.	7.1	436
8	Characterizing Thalamo-Cortical Disturbances in Schizophrenia and Bipolar Illness. <i>Cerebral Cortex</i> , 2014, 24, 3116-3130.	2.9	415
9	ENIGMA and global neuroscience: A decade of large-scale studies of the brain in health and disease across more than 40 countries. <i>Translational Psychiatry</i> , 2020, 10, 100.	4.8	365
10	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	12.8	250
11	Faster permutation inference in brain imaging. <i>NeuroImage</i> , 2016, 141, 502-516.	4.2	242
12	Global Prefrontal and Fronto-Amygdala Dysconnectivity in Bipolar I Disorder with Psychosis History. <i>Biological Psychiatry</i> , 2013, 73, 565-573.	1.3	240
13	Heritability of fractional anisotropy in human white matter: A comparison of Human Connectome Project and ENIGMA-DTI data. <i>NeuroImage</i> , 2015, 111, 300-311.	4.2	227
14	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	14.8	213
15	Multi-level block permutation. <i>NeuroImage</i> , 2015, 123, 253-268.	4.2	212
16	Non-parametric combination and related permutation tests for neuroimaging. <i>Human Brain Mapping</i> , 2016, 37, 1486-1511.	3.6	211
17	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. <i>Nature Neuroscience</i> , 2016, 19, 420-431.	14.8	204
18	Ipsilesional anodal tDCS enhances the functional benefits of rehabilitation in patients after stroke. <i>Science Translational Medicine</i> , 2016, 8, 330re1.	12.4	178

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19	High Dimensional Endophenotype Ranking in the Search for Major Depression Risk Genes. <i>Biological Psychiatry</i> , 2012, 71, 6-14.	1.3	170
20	Measuring and comparing brain cortical surface area and other areal quantities. <i>NeuroImage</i> , 2012, 61, 1428-1443.	4.2	157
21	Genetics of microstructure of cerebral white matter using diffusion tensor imaging. <i>NeuroImage</i> , 2010, 53, 1109-1116.	4.2	156
22	Testing the Hypothesis of Accelerated Cerebral White Matter Aging in Schizophrenia and Major Depression. <i>Biological Psychiatry</i> , 2013, 73, 482-491.	1.3	107
23	The heritability of multi-modal connectivity in human brain activity. <i>ELife</i> , 2017, 6, .	6.0	107
24	Joint Analysis of Cortical Area and Thickness as a Replacement for the Analysis of the Volume of the Cerebral Cortex. <i>Cerebral Cortex</i> , 2018, 28, 738-749.	2.9	92
25	Associations between self-reported sleep quality and white matter in community-dwelling older adults: A prospective cohort study. <i>Human Brain Mapping</i> , 2017, 38, 5465-5473.	3.6	87
26	Impact of DISC1 variation on neuroanatomical and neurocognitive phenotypes. <i>Molecular Psychiatry</i> , 2011, 16, 1096-1104.	7.9	71
27	A Multimodal Assessment of the Genetic Control over Working Memory. <i>Journal of Neuroscience</i> , 2010, 30, 8197-8202.	3.6	70
28	Influence of age, sex and genetic factors on the human brain. <i>Brain Imaging and Behavior</i> , 2014, 8, 143-152.	2.1	69
29	Multidimensional heritability analysis of neuroanatomical shape. <i>Nature Communications</i> , 2016, 7, 13291.	12.8	68
30	Investigating resting-state functional connectivity in the cervical spinal cord at 3 T. <i>NeuroImage</i> , 2017, 147, 589-601.	4.2	68
31	Genetic basis of neurocognitive decline and reduced white-matter integrity in normal human brain aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19006-19011.	7.1	62
32	Permutation inference for canonical correlation analysis. <i>NeuroImage</i> , 2020, 220, 117065.	4.2	59
33	Default mode network activity and white matter integrity in healthy middle-aged ApoE4 carriers. <i>Brain Imaging and Behavior</i> , 2013, 7, 60-67.	2.1	54
34	Heterochronicity of white matter development and aging explains regional patient control differences in schizophrenia. <i>Human Brain Mapping</i> , 2016, 37, 4673-4688.	3.6	53
35	Analysis of Genetic Variability and Whole Genome Linkage of Whole-Brain, Subcortical, and Ependymal Hyperintense White Matter Volume. <i>Stroke</i> , 2009, 40, 3685-3690.	2.0	52
36	Genetic Analysis of Cortical Thickness and Fractional Anisotropy of Water Diffusion in the Brain. <i>Frontiers in Neuroscience</i> , 2011, 5, 120.	2.8	52

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37	Multiple testing correction over contrasts for brain imaging. <i>NeuroImage</i> , 2020, 216, 116760.	4.2	52
38	<scp>Mega-analysis</scp> methods in <scp>ENIGMA</scp>: The experience of the generalized anxiety disorder working group. <i>Human Brain Mapping</i> , 2022, 43, 255-277.	3.6	51
39	Interaction of brain areas of visual and vestibular simultaneous activity with fMRI. <i>Experimental Brain Research</i> , 2015, 233, 237-252.	1.5	48
40	Anticipatory Threat Responding: Associations With Anxiety, Development, and Brain Structure. <i>Biological Psychiatry</i> , 2020, 87, 916-925.	1.3	48
41	Reduced White Matter Integrity in Sibling Pairs Discordant for Bipolar Disorder. <i>American Journal of Psychiatry</i> , 2013, 170, 1317-1325.	7.2	46
42	Whole Brain and Regional Hyperintense White Matter Volume and Blood Pressure. <i>Stroke</i> , 2010, 41, 2137-2142.	2.0	44
43	Reproducibility of tract-based white matter microstructural measures using the <scp>ENIGMA</scp>-<scp>DTI</scp> protocol. <i>Brain and Behavior</i> , 2017, 7, e00615.	2.2	43
44	Assessment of whole brain white matter integrity in youths and young adults with a family history of substance-use disorders. <i>Human Brain Mapping</i> , 2014, 35, 5401-5413.	3.6	39
45	Genetic influence on the working memory circuitry: Behavior, structure, function and extensions to illness. <i>Behavioural Brain Research</i> , 2011, 225, 610-622.	2.2	37
46	Blood Pressure and Cerebral White Matter Share Common Genetic Factors in Mexican Americans. <i>Hypertension</i> , 2011, 57, 330-335.	2.7	37
47	A comprehensive tractography study of patients with bipolar disorder and their unaffected siblings. <i>Human Brain Mapping</i> , 2016, 37, 3474-3485.	3.6	35
48	Fast and powerful heritability inference for family-based neuroimaging studies. <i>NeuroImage</i> , 2015, 115, 256-268.	4.2	33
49	<scp>ENIGMA-anxiety</scp> working group: Rationale for and organization of <scp>large-scale</scp> neuroimaging studies of anxiety disorders. <i>Human Brain Mapping</i> , 2022, 43, 83-112.	3.6	31
50	Discovering Schizophrenia Endophenotypes in Randomly Ascertained Pedigrees. <i>Biological Psychiatry</i> , 2015, 77, 75-83.	1.3	30
51	Time related effects on functional brain connectivity after serotonergic and cholinergic neuromodulation. <i>Human Brain Mapping</i> , 2017, 38, 308-325.	3.6	30
52	White matter structure and myelin-related gene expression alterations with experience in adult rats. <i>Progress in Neurobiology</i> , 2020, 187, 101770.	5.7	30
53	The common genetic influence over processing speed and white matter microstructure: Evidence from the Old Order Amish and Human Connectome Projects. <i>NeuroImage</i> , 2016, 125, 189-197.	4.2	29
54	Perfusion shift from white to gray matter may account for processing speed deficits in schizophrenia. <i>Human Brain Mapping</i> , 2015, 36, 3793-3804.	3.6	28

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55	Schizophrenia Exhibits Bi-directional Brain-Wide Alterations in Cortico-Striato-Cerebellar Circuits. <i>Cerebral Cortex</i> , 2019, 29, 4463-4487.	2.9	27
56	Patients with chronic pain exhibit individually unique cortical signatures of pain encoding. <i>Human Brain Mapping</i> , 2022, 43, 1676-1693.	3.6	27
57	Strategy-dependent modulation of cortical pain circuits for the attenuation of pain. <i>Cortex</i> , 2019, 113, 255-266.	2.4	26
58	Shared and Anxiety-Specific Pediatric Psychopathology Dimensions Manifest Distributed Neural Correlates. <i>Biological Psychiatry</i> , 2021, 89, 579-587.	1.3	26
59	Cortical and subcortical brain structure in generalized anxiety disorder: findings from 28 research sites in the ENIGMA-Anxiety Working Group. <i>Translational Psychiatry</i> , 2021, 11, 502.	4.8	24
60	Identification of Pleiotropic Genetic Effects on Obesity and Brain Anatomy. <i>Human Heredity</i> , 2013, 75, 136-143.	0.8	23
61	Heritability of Volume, Surface Area and Thickness for Anatomically Defined Cortical Brain Regions Estimated in a Large Extended Pedigree. <i>NeuroImage</i> , 2009, 47, S162.	4.2	22
62	Optimal echo time for functional MRI of the infant brain identified in response to noxious stimulation. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 625-631.	3.0	19
63	Accelerated estimation and permutation inference for ACE modeling. <i>Human Brain Mapping</i> , 2019, 40, 3488-3507.	3.6	19
64	The Enhancing <sc>NeuroImaging</sc> Genetics through Metaâ€Analysis Consortium: 10â€™Years of Global Collaborations in Human Brain Mapping. <i>Human Brain Mapping</i> , 2022, 43, 15-22.	3.6	19
65	Transcriptomics of cortical gray matter thickness decline during normal aging. <i>NeuroImage</i> , 2013, 82, 273-283.	4.2	18
66	Hyperinsulinemia and elevated systolic blood pressure independently predict white matter hyperintensities with associated cognitive decrement in the middle-aged offspring of dementia patients. <i>Metabolic Brain Disease</i> , 2017, 32, 849-857.	2.9	18
67	Inferring pathobiology from structural MRI in schizophrenia and bipolar disorder: Modeling head motion and neuroanatomical specificity. <i>Human Brain Mapping</i> , 2017, 38, 3757-3770.	3.6	18
68	The effects of an aerobic training intervention on cognition, grey matter volumes and white matter microstructure. <i>Physiology and Behavior</i> , 2020, 223, 112923.	2.1	18
69	Shared genetic variance between obesity and white matter integrity in Mexican Americans. <i>Frontiers in Genetics</i> , 2015, 6, 26.	2.3	17
70	Stable betweenâ€subject statistical inference from unstable withinâ€subject functional connectivity estimates. <i>Human Brain Mapping</i> , 2019, 40, 1234-1243.	3.6	16
71	Ultra-high-field imaging reveals increased whole brain connectivity underpins cognitive strategies that attenuate pain. <i>ELife</i> , 2020, 9, .	6.0	14
72	Genetic Architecture of Declarative Memory. <i>Neuroscientist</i> , 2012, 18, 516-532.	3.5	13

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73	P-selectin Expression Tracks Cerebral Atrophy in Mexican-Americans. <i>Frontiers in Genetics</i> , 2012, 3, 65.	2.3	13
74	Calcium channel blockade with nimodipine reverses MRI evidence of cerebral oedema following acute hypoxia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 285-301.	4.3	13
75	Combining fMRI during resting state and an attention bias task in children. <i>NeuroImage</i> , 2020, 205, 116301.	4.2	13
76	Anxiety modulates the relation between attention-deficit/hyperactivity disorder severity and working memory-related brain activity. <i>World Journal of Biological Psychiatry</i> , 2018, 19, 450-460.	2.6	11
77	Cortical Volume Alterations in Conduct Disordered Adolescents with and without Bipolar Disorder. <i>Journal of Clinical Medicine</i> , 2014, 3, 416-431.	2.4	10
78	Comparing neural correlates of conditioned inhibition between children with and without anxiety disorders – A preliminary study. <i>Behavioural Brain Research</i> , 2021, 399, 112994.	2.2	10
79	Reassessing associations between white matter and behaviour with multimodal microstructural imaging. <i>Cortex</i> , 2021, 145, 187-200.	2.4	10
80	Amygdala Functional Connectivity and Negative Reactive Temperament at Age 4 Months. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2021, 60, 1137-1146.	0.5	9
81	Galvanic vestibular stimulator for fMRI studies. <i>Revista Brasileira De Engenharia Biomedica</i> , 2014, 30, 70-82.	0.3	8
82	One-year changes in brain microstructure differentiate preclinical Huntington's disease stages. <i>NeuroImage: Clinical</i> , 2020, 25, 102099.	2.7	8
83	Multimodal Imaging Brain Markers in Early Adolescence Are Linked with a Physically Active Lifestyle. <i>Journal of Neuroscience</i> , 2021, 41, 1092-1104.	3.6	8
84	Alloentric representation in the human amygdala and ventral visual stream. <i>Cell Reports</i> , 2021, 34, 108658.	6.4	7
85	Dissecting the functions of DISC1. <i>Molecular Psychiatry</i> , 2011, 16, 1063-1063.	7.9	6
86	Striatal activity and reduced white matter increase frontal activity in youths with family histories of alcohol and other substance use disorders performing a go/no-go task. <i>Brain and Behavior</i> , 2015, 5, e00352.	2.2	6
87	Fast and powerful genome wide association of dense genetic data with high dimensional imaging phenotypes. <i>Nature Communications</i> , 2018, 9, 3254.	12.8	6
88	Minimal Relationship between Local Gyrfication and General Cognitive Ability in Humans. <i>Cerebral Cortex</i> , 2020, 30, 3439-3450.	2.9	6
89	Infant behavioral reactivity predicts change in amygdala volume 12 years later. <i>Developmental Cognitive Neuroscience</i> , 2020, 42, 100776.	4.0	5
90	Recent advances in understanding neural correlates of anxiety disorders in children and adolescents. <i>Current Opinion in Psychiatry</i> , 2021, Publish Ahead of Print, 617-623.	6.3	5

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91	An In-vivo 1H-MRS short-echo time technique at 7T: Quantification of metabolites in chronic multiple sclerosis and neuromyelitis optica brain lesions and normal appearing brain tissue. <i>NeuroImage</i> , 2021, 238, 118225.	4.2	5
92	Computational modeling of threat learning reveals links with anxiety and neuroanatomy in humans. <i>ELife</i> , 2022, 11, .	6.0	5
93	Genetic Influence on the Human Brain. , 2015, , 247-258.		3
94	Structural Brain Correlates of Childhood Inhibited Temperament: An ENIGMA-Anxiety Mega-analysis. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2022, 61, 1182-1188.	0.5	2
95	ENIGMA Mega-Analysis of Brain Structure in Generalized Anxiety Disorder. <i>Biological Psychiatry</i> , 2020, 87, S386.	1.3	1
96	Cognitive Phenotypes and Endophenotypes: Concepts and Criteria. <i>Innovations in Cognitive Neuroscience</i> , 2016, , 61-80.	0.3	0
97	A survey on Adolescent sexual behavior in A public Brazilian high school: some data to HPV vaccination introduction. <i>Jornal Brasileiro De Doenças Sexualmente Transmissíveis</i> , 2013, 25, 103-108.	0.1	0