

Anderson M Winkler

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

8,987
citations

37
h-index

94
g-index

121
ext. papers

11,387
ext. citations

7.6
avg, IF

5.78
L-index

#	Paper	IF	Citations
101	Permutation inference for the general linear model. <i>NeuroImage</i> , 2014 , 92, 381-97	7.9	1884
100	Cortical thickness or grey matter volume? The importance of selecting the phenotype for imaging genetics studies. <i>NeuroImage</i> , 2010 , 53, 1135-46	7.9	763
99	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015 , 520, 224-9	50.4	601
98	A positive-negative mode of population covariation links brain connectivity, demographics and behavior. <i>Nature Neuroscience</i> , 2015 , 18, 1565-7	25.5	551
97	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014 , 8, 153-82	4.1	539
96	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , 2012 , 44, 552-61	36.3	498
95	Genetic control over the resting brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 1223-8	11.5	362
94	Characterizing thalamo-cortical disturbances in schizophrenia and bipolar illness. <i>Cerebral Cortex</i> , 2014 , 24, 3116-30	5.1	305
93	Global prefrontal and fronto-amygdala dysconnectivity in bipolar I disorder with psychosis history. <i>Biological Psychiatry</i> , 2013 , 73, 565-73	7.9	206
92	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017 , 8, 13624	17.4	173
91	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. <i>Nature Neuroscience</i> , 2016 , 19, 420-431	25.5	163
90	Heritability of fractional anisotropy in human white matter: a comparison of Human Connectome Project and ENIGMA-DTI data. <i>NeuroImage</i> , 2015 , 111, 300-11	7.9	159
89	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	8.6	154
88	High dimensional endophenotype ranking in the search for major depression risk genes. <i>Biological Psychiatry</i> , 2012 , 71, 6-14	7.9	147
87	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016 , 19, 1569-1582	25.5	147
86	Multi-level block permutation. <i>NeuroImage</i> , 2015 , 123, 253-68	7.9	137
85	Faster permutation inference in brain imaging. <i>NeuroImage</i> , 2016 , 141, 502-516	7.9	136

84	Genetics of microstructure of cerebral white matter using diffusion tensor imaging. <i>NeuroImage</i> , 2010 , 53, 1109-16	7.9	134
83	Ipsilesional anodal tDCS enhances the functional benefits of rehabilitation in patients after stroke. <i>Science Translational Medicine</i> , 2016 , 8, 330re1	17.5	124
82	Non-parametric combination and related permutation tests for neuroimaging. <i>Human Brain Mapping</i> , 2016 , 37, 1486-511	5.9	122
81	Measuring and comparing brain cortical surface area and other areal quantities. <i>NeuroImage</i> , 2012 , 61, 1428-43	7.9	117
80	Testing the hypothesis of accelerated cerebral white matter aging in schizophrenia and major depression. <i>Biological Psychiatry</i> , 2013 , 73, 482-91	7.9	90
79	Impact of DISC1 variation on neuroanatomical and neurocognitive phenotypes. <i>Molecular Psychiatry</i> , 2011 , 16, 1096-104, 1063	15.1	64
78	The heritability of multi-modal connectivity in human brain activity. <i>ELife</i> , 2017 , 6,	8.9	62
77	A multimodal assessment of the genetic control over working memory. <i>Journal of Neuroscience</i> , 2010 , 30, 8197-202	6.6	61
76	Influence of age, sex and genetic factors on the human brain. <i>Brain Imaging and Behavior</i> , 2014 , 8, 143-52.	5.1	60
75	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	5.1	56
74	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	5.9	54
73	Genetic analysis of cortical thickness and fractional anisotropy of water diffusion in the brain. <i>Frontiers in Neuroscience</i> , 2011 , 5, 120	5.1	51
72	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, 19006-11	11.5	50
71	Default mode network activity and white matter integrity in healthy middle-aged ApoE4 carriers. <i>Brain Imaging and Behavior</i> , 2013 , 7, 60-7	4.1	47
70	Analysis of genetic variability and whole genome linkage of whole-brain, subcortical, and ependymal hyperintense white matter volume. <i>Stroke</i> , 2009 , 40, 3685-90	6.7	45
69	Heterochronicity of white matter development and aging explains regional patient control differences in schizophrenia. <i>Human Brain Mapping</i> , 2016 , 37, 4673-4688	5.9	43
68	Whole brain and regional hyperintense white matter volume and blood pressure: overlap of genetic loci produced by bivariate, whole-genome linkage analyses. <i>Stroke</i> , 2010 , 41, 2137-42	6.7	42
67	Investigating resting-state functional connectivity in the cervical spinal cord at 3T. <i>NeuroImage</i> , 2017 , 147, 589-601	7.9	41

66	Reduced white matter integrity in sibling pairs discordant for bipolar disorder. <i>American Journal of Psychiatry</i> , 2013 , 170, 1317-25	11.9	40
65	Multidimensional heritability analysis of neuroanatomical shape. <i>Nature Communications</i> , 2016 , 7, 13291	17.4	38
64	Interaction of brain areas of visual and vestibular simultaneous activity with fMRI. <i>Experimental Brain Research</i> , 2015 , 233, 237-52	2.3	35
63	Genetic influence on the working memory circuitry: behavior, structure, function and extensions to illness. <i>Behavioural Brain Research</i> , 2011 , 225, 610-22	3.4	33
62	Reproducibility of tract-based white matter microstructural measures using the ENIGMA-DTI protocol. <i>Brain and Behavior</i> , 2017 , 7, e00615	3.4	32
61	Blood pressure and cerebral white matter share common genetic factors in Mexican Americans. <i>Hypertension</i> , 2011 , 57, 330-5	8.5	32
60	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, 5401-13	5.9	31
59	Brain imaging before and after COVID-19 in UK Biobank 2021 ,		31
58	A comprehensive tractography study of patients with bipolar disorder and their unaffected siblings. <i>Human Brain Mapping</i> , 2016 , 37, 3474-85	5.9	27
57	Discovering schizophrenia endophenotypes in randomly ascertained pedigrees. <i>Biological Psychiatry</i> , 2015 , 77, 75-83	7.9	25
56	Time related effects on functional brain connectivity after serotonergic and cholinergic neuromodulation. <i>Human Brain Mapping</i> , 2017 , 38, 308-325	5.9	25
55	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	7.9	24
54	Fast and powerful heritability inference for family-based neuroimaging studies. <i>NeuroImage</i> , 2015 , 115, 256-68	7.9	24
53	Multiple testing correction over contrasts for brain imaging. <i>NeuroImage</i> , 2020 , 216, 116760	7.9	23
52	Anticipatory Threat Responding: Associations With Anxiety, Development, and Brain Structure. <i>Biological Psychiatry</i> , 2020 , 87, 916-925	7.9	23
51	Perfusion shift from white to gray matter may account for processing speed deficits in schizophrenia. <i>Human Brain Mapping</i> , 2015 , 36, 3793-804	5.9	22
50	White matter structure and myelin-related gene expression alterations with experience in adult rats. <i>Progress in Neurobiology</i> , 2020 , 187, 101770	10.9	20
49	Mega-analysis methods in ENIGMA: The experience of the generalized anxiety disorder working group. <i>Human Brain Mapping</i> , 2020 ,	5.9	19

48	Identification of pleiotropic genetic effects on obesity and brain anatomy. <i>Human Heredity</i> , 2013 , 75, 136-43	1.1	18
47	Permutation inference for canonical correlation analysis. <i>NeuroImage</i> , 2020 , 220, 117065	7.9	16
46	Transcriptomics of cortical gray matter thickness decline during normal aging. <i>NeuroImage</i> , 2013 , 82, 273-83	7.9	16
45	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	7.9	16
44	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	3.9	15
43	Shared genetic variance between obesity and white matter integrity in Mexican Americans. <i>Frontiers in Genetics</i> , 2015 , 6, 26	4.5	15
42	ENIGMA-anxiety working group: Rationale for and organization of large-scale neuroimaging studies of anxiety disorders. <i>Human Brain Mapping</i> , 2020 ,	5.9	14
41	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	4.4	13
40	P-selectin Expression Tracks Cerebral Atrophy in Mexican-Americans. <i>Frontiers in Genetics</i> , 2012 , 3, 65	4.5	12
39	Genetic architecture of declarative memory: implications for complex illnesses. <i>Neuroscientist</i> , 2012 , 18, 516-32	7.6	12
38	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	5.9	11
37	Schizophrenia Exhibits Bi-directional Brain-Wide Alterations in Cortico-Striato-Cerebellar Circuits. <i>Cerebral Cortex</i> , 2019 , 29, 4463-4487	5.1	11
36	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	7.3	10
35	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	3.8	7
34	Galvanic vestibular stimulator for fMRI studies. <i>Revista Brasileira De Engenharia Biomedica</i> , 2014 , 30, 70-82		7
33	Do Candidate Genes Affect the Brain's White Matter Microstructure? Large-Scale Evaluation of 6,165 Diffusion MRI Scans		7
32	Strategy-dependent modulation of cortical pain circuits for the attenuation of pain. <i>Cortex</i> , 2019 , 113, 255-266	3.8	7
31	Stable between-subject statistical inference from unstable within-subject functional connectivity estimates. <i>Human Brain Mapping</i> , 2019 , 40, 1234-1243	5.9	7

30	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	3.4	6
29	Accelerated estimation and permutation inference for ACE modeling. <i>Human Brain Mapping</i> , 2019 , 40, 3488-3507	5.9	5
28	The effects of an aerobic training intervention on cognition, grey matter volumes and white matter microstructure. <i>Physiology and Behavior</i> , 2020 , 223, 112923	3.5	5
27	Dissecting the functions of DISC1. <i>Molecular Psychiatry</i> , 2011 , 16, 1063-1063	15.1	5
26	Multiple testing correction over contrasts for brain imaging		5
25	One-year changes in brain microstructure differentiate preclinical Huntington's disease stages. <i>NeuroImage: Clinical</i> , 2020 , 25, 102099	5.3	5
24	Fast and powerful genome wide association of dense genetic data with high dimensional imaging phenotypes. <i>Nature Communications</i> , 2018 , 9, 3254	17.4	4
23	Cortical Volume Alterations in Conduct Disordered Adolescents with and without Bipolar Disorder. <i>Journal of Clinical Medicine</i> , 2014 , 3, 416-31	5.1	4
22	The Enhancing Neuroimaging Genetics through Meta-Analysis Consortium: 10 Years of Global Collaborations in Human Brain Mapping. <i>Human Brain Mapping</i> , 2021 ,	5.9	4
21	Combining fMRI during resting state and an attention bias task in children. <i>NeuroImage</i> , 2020 , 205, 116301	9.1	4
20	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	8.6	4
19	Ultra-high-field imaging reveals increased whole brain connectivity underpins cognitive strategies that attenuate pain. <i>ELife</i> , 2020 , 9,	8.9	3
18	Comparing neural correlates of conditioned inhibition between children with and without anxiety disorders - A preliminary study. <i>Behavioural Brain Research</i> , 2021 , 399, 112994	3.4	3
17	Allocentric representation in the human amygdala and ventral visual stream. <i>Cell Reports</i> , 2021 , 34, 108658	5.6	3
16	Minimal Relationship between Local Gyrification and General Cognitive Ability in Humans. <i>Cerebral Cortex</i> , 2020 , 30, 3439-3450	5.1	2
15	Infant behavioral reactivity predicts change in amygdala volume 12 years later. <i>Developmental Cognitive Neuroscience</i> , 2020 , 42, 100776	5.5	2
14	Mega-Analysis Methods in ENIGMA: The Experience of the Generalized Anxiety Disorder Working Group		2
13	Reassessing associations between white matter and behaviour with multimodal microstructural imaging. <i>Cortex</i> , 2021 , 145, 187-200	3.8	2

12	Patients with chronic pain exhibit individually unique cortical signatures of pain encoding.. <i>Human Brain Mapping</i> , 2021 ,	5.9	2
11	Stable between-subject statistical inference from unstable within-subject functional connectivity estimates		1
10	Reassessing associations between white matter and behaviour with multimodal microstructural imaging		1
9	Investigating resting-state functional connectivity in the cervical spinal cord at 3T		1
8	Schizophrenia Exhibits Bi-Directional Brain-Wide Alterations in Cortico-Striato-Cerebellar Circuits		1
7	Metric and chronological time in human episodic memory		1
6	Shared and Anxiety-Specific Pediatric Psychopathology Dimensions Manifest Distributed Neural Correlates. <i>Biological Psychiatry</i> , 2021 , 89, 579-587	7.9	1
5	Multimodal Imaging Brain Markers in Early Adolescence Are Linked with a Physically Active Lifestyle. <i>Journal of Neuroscience</i> , 2021 , 41, 1092-1104	6.6	1
4	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	7.9	1
3	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	7.2	1
2	Recent advances in understanding neural correlates of anxiety disorders in children and adolescents. <i>Current Opinion in Psychiatry</i> , 2021 , 34, 617-623	4.9	0
1	Cognitive Phenotypes and Endophenotypes: Concepts and Criteria. <i>Innovations in Cognitive Neuroscience</i> , 2016 , 61-80		