Anderson M Winkler

List of Publications by Year in Descending Order

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	The Enhancing NeuroImaging Genetics through Meta-Analysis Consortium: 10 Years of Global Collaborations in Human Brain Mapping. *Human Brain Mapping*, **2021**,	5.9	4
100	Reassessing associations between white matter and behaviour with multimodal microstructural imaging. *Cortex*, **2021**, 145, 187-200	3.8	2
99	Brain imaging before and after COVID-19 in UK Biobank **2021**,		31
98	Shared and Anxiety-Specific Pediatric Psychopathology Dimensions Manifest Distributed Neural Correlates. *Biological Psychiatry*, **2021**, 89, 579-587	7.9	1
97	Comparing neural correlates of conditioned inhibition between children with and without anxiety disorders - A preliminary study. *Behavioural Brain Research*, **2021**, 399, 112994	3.4	3
96	Allocentric representation in the human amygdala and ventral visual stream. *Cell Reports*, **2021**, 34, 108658	8.6	3
95	Multimodal Imaging Brain Markers in Early Adolescence Are Linked with a Physically Active Lifestyle. *Journal of Neuroscience*, **2021**, 41, 1092-1104	6.6	1
94	Recent advances in understanding neural correlates of anxiety disorders in children and adolescents. *Current Opinion in Psychiatry*, **2021**, 34, 617-623	4.9	0
93	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. *NeuroImage*, **2021**, 238, 118225	7.9	1
92	Amygdala Functional Connectivity and Negative Reactive Temperament at Age 4 Months. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2021**, 60, 1137-1146	7.2	1
91	Cortical and subcortical brain structure in generalized anxiety disorder: findings from 28 research sites in the ENIGMA-Anxiety Working Group. *Translational Psychiatry*, **2021**, 11, 502	8.6	4
90	Patients with chronic pain exhibit individually unique cortical signatures of pain encoding.. *Human Brain Mapping*, **2021**,	5.9	2
89	The effects of an aerobic training intervention on cognition, grey matter volumes and white matter microstructure. *Physiology and Behavior*, **2020**, 223, 112923	3.5	5
88	ENIGMA and global neuroscience: A decade of large-scale studies of the brain in health and disease across more than 40 countries. *Translational Psychiatry*, **2020**, 10, 100	8.6	154
87	Multiple testing correction over contrasts for brain imaging. *NeuroImage*, **2020**, 216, 116760	7.9	23
86	Permutation inference for canonical correlation analysis. *NeuroImage*, **2020**, 220, 117065	7.9	16
85	Mega-analysis methods in ENIGMA: The experience of the generalized anxiety disorder working group. *Human Brain Mapping*, **2020**,	5.9	19

84	Minimal Relationship between Local Gyrification and General Cognitive Ability in Humans. *Cerebral Cortex*, **2020**, 30, 3439-3450	5.1	2
83	White matter structure and myelin-related gene expression alterations with experience in adult rats. *Progress in Neurobiology*, **2020**, 187, 101770	10.9	20
82	Infant behavioral reactivity predicts change in amygdala volume 12 years later. *Developmental Cognitive Neuroscience*, **2020**, 42, 100776	5.5	2
81	Ultra-high-field imaging reveals increased whole brain connectivity underpins cognitive strategies that attenuate pain. *ELife*, **2020**, 9,	8.9	3
80	Anticipatory Threat Responding: Associations With Anxiety, Development, and Brain Structure. *Biological Psychiatry*, **2020**, 87, 916-925	7.9	23
79	One-year changes in brain microstructure differentiate preclinical Huntington's disease stages. *NeuroImage: Clinical*, **2020**, 25, 102099	5.3	5
78	ENIGMA-anxiety working group: Rationale for and organization of large-scale neuroimaging studies of anxiety disorders. *Human Brain Mapping*, **2020**,	5.9	14
77	Combining fMRI during resting state and an attention bias task in children. *NeuroImage*, **2020**, 205, 116301	7.9	4
76	Schizophrenia Exhibits Bi-directional Brain-Wide Alterations in Cortico-Striato-Cerebellar Circuits. *Cerebral Cortex*, **2019**, 29, 4463-4487	5.1	11
75	Accelerated estimation and permutation inference for ACE modeling. *Human Brain Mapping*, **2019**, 40, 3488-3507	5.9	5
74	Strategy-dependent modulation of cortical pain circuits for the attenuation of pain. *Cortex*, **2019**, 113, 255-266	3.8	7
73	Stable between-subject statistical inference from unstable within-subject functional connectivity estimates. *Human Brain Mapping*, **2019**, 40, 1234-1243	5.9	7
72	Calcium channel blockade with nimodipine reverses MRI evidence of cerebral oedema following acute hypoxia. *Journal of Cerebral Blood Flow and Metabolism*, **2019**, 39, 285-301	7.3	10
71	Joint Analysis of Cortical Area and Thickness as a Replacement for the Analysis of the Volume of the Cerebral Cortex. *Cerebral Cortex*, **2018**, 28, 738-749	5.1	56
70	Anxiety modulates the relation between attention-deficit/hyperactivity disorder severity and working memory-related brain activity. *World Journal of Biological Psychiatry*, **2018**, 19, 450-460	3.8	7
69	Fast and powerful genome wide association of dense genetic data with high dimensional imaging phenotypes. *Nature Communications*, **2018**, 9, 3254	17.4	4
68	Novel genetic loci associated with hippocampal volume. *Nature Communications*, **2017**, 8, 13624	17.4	173
67	Reproducibility of tract-based white matter microstructural measures using the ENIGMA-DTI protocol. *Brain and Behavior*, **2017**, 7, e00615	3.4	32

66	Hyperinsulinemia and elevated systolic blood pressure independently predict white matter hyperintensities with associated cognitive decrement in the middle-aged offspring of dementia patients. *Metabolic Brain Disease*, **2017**, 32, 849-857	3.9	15
65	Inferring pathobiology from structural MRI in schizophrenia and bipolar disorder: Modeling head motion and neuroanatomical specificity. *Human Brain Mapping*, **2017**, 38, 3757-3770	5.9	11
64	Investigating resting-state functional connectivity in the cervical spinal cord at 3T. *NeuroImage*, **2017**, 147, 589-601	7.9	41
63	Optimal echo time for functional MRI of the infant brain identified in response to noxious stimulation. *Magnetic Resonance in Medicine*, **2017**, 78, 625-631	4.4	13
62	Associations between self-reported sleep quality and white matter in community-dwelling older adults: A prospective cohort study. *Human Brain Mapping*, **2017**, 38, 5465-5473	5.9	54
61	Time related effects on functional brain connectivity after serotonergic and cholinergic neuromodulation. *Human Brain Mapping*, **2017**, 38, 308-325	5.9	25
60	The heritability of multi-modal connectivity in human brain activity. *ELife*, **2017**, 6,	8.9	62
59	The common genetic influence over processing speed and white matter microstructure: Evidence from the Old Order Amish and Human Connectome Projects. *NeuroImage*, **2016**, 125, 189-197	7.9	24
58	Multidimensional heritability analysis of neuroanatomical shape. *Nature Communications*, **2016**, 7, 13291	17.4	38
57	Ipsilesional anodal tDCS enhances the functional benefits of rehabilitation in patients after stroke. *Science Translational Medicine*, **2016**, 8, 330re1	17.5	124
56	A comprehensive tractography study of patients with bipolar disorder and their unaffected siblings. *Human Brain Mapping*, **2016**, 37, 3474-85	5.9	27
55	Faster permutation inference in brain imaging. *NeuroImage*, **2016**, 141, 502-516	7.9	136
54	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. *Nature Neuroscience*, **2016**, 19, 420-431	25.5	163
53	Cognitive Phenotypes and Endophenotypes: Concepts and Criteria. *Innovations in Cognitive Neuroscience*, **2016**, 61-80		
52	Novel genetic loci underlying human intracranial volume identified through genome-wide association. *Nature Neuroscience*, **2016**, 19, 1569-1582	25.5	147
51	Heterochronicity of white matter development and aging explains regional patient control differences in schizophrenia. *Human Brain Mapping*, **2016**, 37, 4673-4688	5.9	43
50	Non-parametric combination and related permutation tests for neuroimaging. *Human Brain Mapping*, **2016**, 37, 1486-511	5.9	122
49	Common genetic variants influence human subcortical brain structures. *Nature*, **2015**, 520, 224-9	50.4	601

48	Fast and powerful heritability inference for family-based neuroimaging studies. *NeuroImage*, **2015**, 115, 256-68	7.9	24
47	Shared genetic variance between obesity and white matter integrity in Mexican Americans. *Frontiers in Genetics*, **2015**, 6, 26	4.5	15
46	Heritability of fractional anisotropy in human white matter: a comparison of Human Connectome Project and ENIGMA-DTI data. *NeuroImage*, **2015**, 111, 300-11	7.9	159
45	A positive-negative mode of population covariation links brain connectivity, demographics and behavior. *Nature Neuroscience*, **2015**, 18, 1565-7	25.5	551
44	Multi-level block permutation. *NeuroImage*, **2015**, 123, 253-68	7.9	137
43	Discovering schizophrenia endophenotypes in randomly ascertained pedigrees. *Biological Psychiatry*, **2015**, 77, 75-83	7.9	25
42	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. *Brain and Behavior*, **2015**, 5, e00352	2.4	6
41	Perfusion shift from white to gray matter may account for processing speed deficits in schizophrenia. *Human Brain Mapping*, **2015**, 36, 3793-804	5.9	22
40	Interaction of brain areas of visual and vestibular simultaneous activity with fMRI. *Experimental Brain Research*, **2015**, 233, 237-52	2.3	35
39	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. *Brain Imaging and Behavior*, **2014**, 8, 153-82	4.1	539
38	Permutation inference for the general linear model. *NeuroImage*, **2014**, 92, 381-97	7.9	1884
37	Assessment of whole brain white matter integrity in youths and young adults with a family history of substance-use disorders. *Human Brain Mapping*, **2014**, 35, 5401-13	5.9	31
36	Cortical Volume Alterations in Conduct Disordered Adolescents with and without Bipolar Disorder. *Journal of Clinical Medicine*, **2014**, 3, 416-31	5.1	4
35	Galvanic vestibular stimulator for fMRI studies. *Revista Brasileira De Engenharia Biomedica*, **2014**, 30, 70-82		7
34	Characterizing thalamo-cortical disturbances in schizophrenia and bipolar illness. *Cerebral Cortex*, **2014**, 24, 3116-30	5.1	305
33	Influence of age, sex and genetic factors on the human brain. *Brain Imaging and Behavior*, **2014**, 8, 143-52	4.1	60
32	Genetic basis of neurocognitive decline and reduced white-matter integrity in normal human brain aging. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 19006-11	11.5	50
31	Testing the hypothesis of accelerated cerebral white matter aging in schizophrenia and major depression. *Biological Psychiatry*, **2013**, 73, 482-91	7.9	90

30	Global prefrontal and fronto-amygdala dysconnectivity in bipolar I disorder with psychosis history. *Biological Psychiatry*, **2013**, 73, 565-73	7.9	206
29	Transcriptomics of cortical gray matter thickness decline during normal aging. *NeuroImage*, **2013**, 82, 273-83	7.9	16
28	Default mode network activity and white matter integrity in healthy middle-aged ApoE4 carriers. *Brain Imaging and Behavior*, **2013**, 7, 60-7	4.1	47
27	Reduced white matter integrity in sibling pairs discordant for bipolar disorder. *American Journal of Psychiatry*, **2013**, 170, 1317-25	11.9	40
26	Identification of pleiotropic genetic effects on obesity and brain anatomy. *Human Heredity*, **2013**, 75, 136-43	1.1	18
25	Identification of common variants associated with human hippocampal and intracranial volumes. *Nature Genetics*, **2012**, 44, 552-61	36.3	498
24	High dimensional endophenotype ranking in the search for major depression risk genes. *Biological Psychiatry*, **2012**, 71, 6-14	7.9	147
23	Measuring and comparing brain cortical surface area and other areal quantities. *NeuroImage*, **2012**, 61, 1428-43	7.9	117
22	P-selectin Expression Tracks Cerebral Atrophy in Mexican-Americans. *Frontiers in Genetics*, **2012**, 3, 65	4.5	12
21	Genetic architecture of declarative memory: implications for complex illnesses. *Neuroscientist*, **2012**, 18, 516-32	7.6	12
20	Genetic influence on the working memory circuitry: behavior, structure, function and extensions to illness. *Behavioural Brain Research*, **2011**, 225, 610-22	3.4	33
19	Genetic analysis of cortical thickness and fractional anisotropy of water diffusion in the brain. *Frontiers in Neuroscience*, **2011**, 5, 120	5.1	51
18	Impact of DISC1 variation on neuroanatomical and neurocognitive phenotypes. *Molecular Psychiatry*, **2011**, 16, 1096-104, 1063	15.1	64
17	Blood pressure and cerebral white matter share common genetic factors in Mexican Americans. *Hypertension*, **2011**, 57, 330-5	8.5	32
16	Dissecting the functions of DISC1. *Molecular Psychiatry*, **2011**, 16, 1063-1063	15.1	5
15	A multimodal assessment of the genetic control over working memory. *Journal of Neuroscience*, **2010**, 30, 8197-202	6.6	61
14	Genetic control over the resting brain. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 1223-8	11.5	362
13	Whole brain and regional hyperintense white matter volume and blood pressure: overlap of genetic loci produced by bivariate, whole-genome linkage analyses. *Stroke*, **2010**, 41, 2137-42	6.7	42

12	Genetics of microstructure of cerebral white matter using diffusion tensor imaging. *NeuroImage*, **2010**, 53, 1109-16	7.9	134
11	Cortical thickness or grey matter volume? The importance of selecting the phenotype for imaging genetics studies. *NeuroImage*, **2010**, 53, 1135-46	7.9	763
10	Analysis of genetic variability and whole genome linkage of whole-brain, subcortical, and ependymal hyperintense white matter volume. *Stroke*, **2009**, 40, 3685-90	6.7	45
9	Heritability of Volume, Surface Area and Thickness for Anatomically Defined Cortical Brain Regions Estimated in a Large Extended Pedigree. *NeuroImage*, **2009**, 47, S162	7.9	16
8	Mega-Analysis Methods in ENIGMA: The Experience of the Generalized Anxiety Disorder Working Group		2
7	Stable between-subject statistical inference from unstable within-subject functional connectivity estimates		1
6	Reassessing associations between white matter and behaviour with multimodal microstructural imaging		1
5	Investigating resting-state functional connectivity in the cervical spinal cord at 3T		1
4	Do Candidate Genes Affect the Brain White Matter Microstructure? Large-Scale Evaluation of 6,165 Diffusion MRI Scans		7
3	Schizophrenia Exhibits Bi-Directional Brain-Wide Alterations in Cortico-Striato-Cerebellar Circuits		1
2	Metric and chronological time in human episodic memory		1
1	Multiple testing correction over contrasts for brain imaging		5