

Rachel M Brouwer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5968298/publications.pdf>

Version: 2024-02-01

72
papers

7,235
citations

87888

38
h-index

85541

71
g-index

80
all docs

80
docs citations

80
times ranked

9573
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligence, educational attainment, and brain structure in those at familial high risk for schizophrenia or bipolar disorder. <i>Human Brain Mapping</i> , 2022, 43, 414-430.	3.6	14
2	Greater male than female variability in regional brain structure across the lifespan. <i>Human Brain Mapping</i> , 2022, 43, 470-499.	3.6	76
3	What we learn about bipolar disorder from large-scale neuroimaging: Findings and future directions from the ENIGMA Bipolar Disorder Working Group. <i>Human Brain Mapping</i> , 2022, 43, 56-82.	3.6	67
4	Heritability of specific cognitive functions and associations with schizophrenia spectrum disorders using CANTAB: a nation-wide twin study. <i>Psychological Medicine</i> , 2022, 52, 1101-1114.	4.5	18
5	Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3-90 years. <i>Human Brain Mapping</i> , 2022, 43, 431-451.	3.6	143
6	Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3-90 years. <i>Human Brain Mapping</i> , 2022, 43, 452-469.	3.6	72
7	Longitudinal Structural Brain Changes in Bipolar Disorder: A Multicenter Neuroimaging Study of 1232 Individuals by the ENIGMA Bipolar Disorder Working Group. <i>Biological Psychiatry</i> , 2022, 91, 582-592.	1.3	29
8	Multivariate Genetic Structure of Externalizing Behavior and Structural Brain Development in a Longitudinal Adolescent Twin Sample. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3176.	4.1	2
9	Genetic variants associated with longitudinal changes in brain structure across the lifespan. <i>Nature Neuroscience</i> , 2022, 25, 421-432.	14.8	75
10	Schizophrenia and Bipolar Polygenic Risk Scores in Relation to Intracranial Volume. <i>Genes</i> , 2022, 13, 695.	2.4	1
11	The Speed of Development of Adolescent Brain Age Depends on Sex and Is Genetically Determined. <i>Cerebral Cortex</i> , 2021, 31, 1296-1306.	2.9	35
12	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. <i>Translational Psychiatry</i> , 2021, 11, 182.	4.8	24
13	Accelerated aging in the brain, epigenetic aging in blood, and polygenic risk for schizophrenia. <i>Schizophrenia Research</i> , 2021, 231, 189-197.	2.0	30
14	Deidentification procedures for magnetic resonance images and the impact on structural brain measures at different ages. <i>Human Brain Mapping</i> , 2021, 42, 3643-3655.	3.6	10
15	Reliability modelling of resting-state functional connectivity. <i>NeuroImage</i> , 2021, 231, 117842.	4.2	10
16	Contributing factors to advanced brain aging in depression and anxiety disorders. <i>Translational Psychiatry</i> , 2021, 11, 402.	4.8	31
17	Alcohol use and brain morphology in adolescence: A longitudinal study in three different cohorts. <i>European Journal of Neuroscience</i> , 2021, 54, 6012-6026.	2.6	16
18	Dose response of the 16p11.2 distal copy number variant on intracranial volume and basal ganglia. <i>Molecular Psychiatry</i> , 2020, 25, 584-602.	7.9	49

#	ARTICLE	IF	CITATIONS
19	Association of Copy Number Variation of the 15q11.2 BP1-BP2 Region With Cortical and Subcortical Morphology and Cognition. <i>JAMA Psychiatry</i> , 2020, 77, 420.	11.0	54
20	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020, 11, 4796.	12.8	61
21	The YOUth cohort study: MRI protocol and test-retest reliability in adults. <i>Developmental Cognitive Neuroscience</i> , 2020, 45, 100816.	4.0	23
22	The YOUth study: Rationale, design, and study procedures. <i>Developmental Cognitive Neuroscience</i> , 2020, 46, 100868.	4.0	27
23	Heritability of Memory Functions and Related Brain Volumes: A Schizophrenia Spectrum Study of 214 Twins. <i>Schizophrenia Bulletin Open</i> , 2020, 1, .	1.7	3
24	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
25	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	12.6	450
26	Changes in the intracranial volume from early adulthood to the sixth decade of life: A longitudinal study. <i>NeuroImage</i> , 2020, 220, 116842.	4.2	27
27	Structural Methods in Gray Matter. , 2020, , 3-26.		0
28	Genetic and environmental influences on functional connectivity within and between canonical cortical resting-state networks throughout adolescent development in boys and girls. <i>NeuroImage</i> , 2019, 202, 116073.	4.2	54
29	The Association Between Familial Risk and Brain Abnormalities Is Disease Specific: An ENIGMA-Relatives Study of Schizophrenia and Bipolar Disorder. <i>Biological Psychiatry</i> , 2019, 86, 545-556.	1.3	67
30	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	21.4	192
31	Running in the Family? Structural Brain Abnormalities and IQ in Offspring, Siblings, Parents, and Co-twins of Patients with Schizophrenia. <i>Schizophrenia Bulletin</i> , 2019, 45, 1209-1217.	4.3	15
32	Genetic Influences on the Development of Cerebral Cortical Thickness During Childhood and Adolescence in a Dutch Longitudinal Twin Sample: The Brainscale Study. <i>Cerebral Cortex</i> , 2019, 29, 978-993.	2.9	40
33	Understanding hallucinations in probable Alzheimer's disease: Very low prevalence rates in a tertiary memory clinic. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2018, 10, 358-362.	2.4	13
34	Association between structural brain network efficiency and intelligence increases during adolescence. <i>Human Brain Mapping</i> , 2018, 39, 822-836.	3.6	45
35	Detailed T1-Weighted Profiles from the Human Cortex Measured in Vivo at 3 Tesla MRI. <i>Neuroinformatics</i> , 2018, 16, 181-196.	2.8	7
36	ENIGMA and the individual: Predicting factors that affect the brain in 35 countries worldwide. <i>NeuroImage</i> , 2017, 145, 389-408.	4.2	173

#	ARTICLE	IF	CITATIONS
37	Novel genetic loci associated with hippocampal volume. Nature Communications, 2017, 8, 13624.	12.8	250
38	Genetic influences on individual differences in longitudinal changes in global and subcortical brain volumes: Results of the ENIGMA plasticity working group. Human Brain Mapping, 2017, 38, 4444-4458.	3.6	51
39	The association between hippocampal volume and life events in healthy twins. Hippocampus, 2016, 26, 1088-1095.	1.9	7
40	Heritability of cortical thickness changes over time in twin pairs discordant for schizophrenia. Schizophrenia Research, 2016, 173, 192-199.	2.0	28
41	Genetic Variation in Schizophrenia Liability is Shared With Intellectual Ability and Brain Structure. Schizophrenia Bulletin, 2016, 42, 1167-1175.	4.3	19
42	Novel genetic loci underlying human intracranial volume identified through genome-wide association. Nature Neuroscience, 2016, 19, 1569-1582.	14.8	213
43	Structural Brain Connectivity as a Genetic Marker for Schizophrenia. JAMA Psychiatry, 2016, 73, 11.	11.0	56
44	Topology of genetic associations between regional gray matter volume and intellectual ability: Evidence for a high capacity network. NeuroImage, 2016, 124, 1044-1053.	4.2	11
45	Contribution of genes and unique environment to cross-sectional and longitudinal measures of subcortical volumes in bipolar disorder. European Neuropsychopharmacology, 2015, 25, 2197-2209.	0.7	12
46	Development of the brain's structural network efficiency in early adolescence: A longitudinal DTI twin study. Human Brain Mapping, 2015, 36, 4938-4953.	3.6	64
47	Changes in Thickness and Surface Area of the Human Cortex and Their Relationship with Intelligence. Cerebral Cortex, 2015, 25, 1608-1617.	2.9	290
48	Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229.	27.8	772
49	Longitudinal Development of Hormone Levels and Grey Matter Density in 9 and 12-Year-Old Twins. Behavior Genetics, 2015, 45, 313-323.	2.1	33
50	Heritability of fractional anisotropy in human white matter: A comparison of Human Connectome Project and ENIGMA-DTI data. NeuroImage, 2015, 111, 300-311.	4.2	227
51	Heritability of structural brain network topology: A DTI study of 156 twins. Human Brain Mapping, 2014, 35, 5295-5305.	3.6	56
52	Genetic associations between intelligence and cortical thickness emerge at the start of puberty. Human Brain Mapping, 2014, 35, 3760-3773.	3.6	25
53	Combining meta- and mega- analytic approaches for multi-site diffusion imaging based genetic studies: From the ENIGMA-DTI working group. , 2014, , .		0
54	Heritability of brain volume change and its relation to intelligence. NeuroImage, 2014, 100, 676-683.	4.2	38

#	ARTICLE	IF	CITATIONS
55	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
56	Cortical thickness in individuals with non-clinical and clinical psychotic symptoms. <i>Brain</i> , 2014, 137, 2664-2669.	7.6	41
57	Multi-site study of additive genetic effects on fractional anisotropy of cerebral white matter: Comparing meta and megaanalytical approaches for data pooling. <i>NeuroImage</i> , 2014, 95, 136-150.	4.2	127
58	Heritability of volumetric brain changes and height in children entering puberty. <i>Human Brain Mapping</i> , 2013, 34, 713-725.	3.6	35
59	Multi-site genetic analysis of diffusion images and voxelwise heritability analysis: A pilot project of the ENIGMAâ€“DTI working group. <i>NeuroImage</i> , 2013, 81, 455-469.	4.2	354
60	Heritability of subcortical brain measures: A perspective for future genome-wide association studies. <i>NeuroImage</i> , 2013, 83, 98-102.	4.2	87
61	Focal And Global Brain Measurements in Siblings of Patients With Schizophrenia. <i>Schizophrenia Bulletin</i> , 2012, 38, 814-825.	4.3	48
62	Brain SCALE: Brain Structure and Cognition: an Adolescent Longitudinal Twin Study into the Genetic Etiology of Individual Differences. <i>Twin Research and Human Genetics</i> , 2012, 15, 453-467.	0.6	48
63	Overlapping and Segregating Structural Brain Abnormalities in Twins With Schizophrenia or Bipolar Disorder. <i>Archives of General Psychiatry</i> , 2012, 69, 349.	12.3	107
64	White Matter Development in Early Puberty: A Longitudinal Volumetric and Diffusion Tensor Imaging Twin Study. <i>PLoS ONE</i> , 2012, 7, e32316.	2.5	99
65	Heritability of Verbal and Performance Intelligence in a Pediatric Longitudinal Sample. <i>Twin Research and Human Genetics</i> , 2011, 14, 119-128.	0.6	76
66	Effects of Gestational Age and Birth Weight on Brain Volumes in Healthy 9 Year-Old Children. <i>Journal of Pediatrics</i> , 2010, 156, 896-901.	1.8	35
67	Heritability of DTI and MTR in nine-year-old children. <i>NeuroImage</i> , 2010, 53, 1085-1092.	4.2	66
68	Segmentation of MRI brain scans using non-uniform partial volume densities. <i>NeuroImage</i> , 2010, 49, 467-477.	4.2	44
69	Sex steroids and brain structure in pubertal boys and girls. <i>Psychoneuroendocrinology</i> , 2009, 34, 332-342.	2.7	234
70	Heritability of regional and global brain structure at the onset of puberty: A magnetic resonance imaging study in 9â€“yearâ€“old twin pairs. <i>Human Brain Mapping</i> , 2009, 30, 2184-2196.	3.6	155
71	Cerebral white matter in early puberty is associated with luteinizing hormone concentrations. <i>Psychoneuroendocrinology</i> , 2008, 33, 909-915.	2.7	94
72	Genetic influences on human brain structure: A review of brain imaging studies in twins. <i>Human Brain Mapping</i> , 2007, 28, 464-473.	3.6	384