Hilleke E Hulshoff Pol

List of Publications by Citations

Source: https://exaly.com/author-pdf/3371723/hilleke-e-hulshoff-pol-publications-by-citations.pdf
Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

263 papers	26,531 citations	82 h-index	159 g-index
289 ext. papers	31,318 ext. citations	6.4 avg, IF	6.89 L-index

#	Paper	IF	Citations
263	Exploring the brain network: a review on resting-state fMRI functional connectivity. *European Neuropsychopharmacology*, **2010**, 20, 519-34	1.2	1915
262	Efficiency of functional brain networks and intellectual performance. *Journal of Neuroscience*, **2009**, 29, 7619-24	6.6	821
261	Functionally linked resting-state networks reflect the underlying structural connectivity architecture of the human brain. *Human Brain Mapping*, **2009**, 30, 3127-41	5.9	759
260	Brain volume abnormalities in major depressive disorder: a meta-analysis of magnetic resonance imaging studies. *Human Brain Mapping*, **2009**, 30, 3719-35	5.9	649
259	Common genetic variants influence human subcortical brain structures. *Nature*, **2015**, 520, 224-9	50.4	601
258	Brain volumes in schizophrenia: a meta-analysis in over 18 000 subjects. *Schizophrenia Bulletin*, **2013** , 39, 1129-38	1.3	586
257	Small-world and scale-free organization of voxel-based resting-state functional connectivity in the human brain. *NeuroImage*, **2008**, 43, 528-39	7.9	547
256	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. *Brain Imaging and Behavior*, **2014**, 8, 153-82	4.1	539
255	Subcortical brain volume abnormalities in 2028 individuals with schizophrenia and 2540 healthy controls via the ENIGMA consortium. *Molecular Psychiatry*, **2016**, 21, 547-53	15.1	525
254	Aberrant frontal and temporal complex network structure in schizophrenia: a graph theoretical analysis. *Journal of Neuroscience*, **2010**, 30, 15915-26	6.6	504
253	Identification of common variants associated with human hippocampal and intracranial volumes. *Nature Genetics*, **2012**, 44, 552-61	36.3	498
252	Abnormal rich club organization and functional brain dynamics in schizophrenia. *JAMA Psychiatry*, **2013**, 70, 783-92	14.5	463
251	Parent-of-origin-specific allelic associations among 106 genomic loci for age at menarche. *Nature*, **2014**, 514, 92-97	50.4	401
250	Genetic influences on human brain structure: a review of brain imaging studies in twins. *Human Brain Mapping*, **2007**, 28, 464-73	5.9	337
249	Anatomical MRI of the developing human brain: what have we learned?. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2001**, 40, 1012-20	7.2	337
248	Glutamate in schizophrenia: a focused review and meta-analysis of ^{1}H-MRS studies. *Schizophrenia Bulletin*, **2013**, 39, 120-9	1.3	327
247	Brain volume changes in first-episode schizophrenia: a 1-year follow-up study. *Archives of General Psychiatry*, **2002**, 59, 1002-10		327

246	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. *Biological Psychiatry*, **2018**, 84, 644-654	7.9	325
245	Widespread white matter microstructural differences in schizophrenia across 4322 individuals: results from the ENIGMA Schizophrenia DTI Working Group. *Molecular Psychiatry*, **2018**, 23, 1261-1269	15.1	324
244	The association between brain volume and intelligence is of genetic origin. *Nature Neuroscience*, **2002**, 5, 83-4	25.5	306
243	Normalized cut group clustering of resting-state FMRI data. *PLoS ONE*, **2008**, 3, e2001	3.7	295
242	Multi-site genetic analysis of diffusion images and voxelwise heritability analysis: a pilot project of the ENIGMA-DTI working group. *NeuroImage*, **2013**, 81, 455-469	7.9	278
241	What happens after the first episode? A review of progressive brain changes in chronically ill patients with schizophrenia. *Schizophrenia Bulletin*, **2008**, 34, 354-66	1.3	271
240	Magnetic resonance imaging of boys with attention-deficit/hyperactivity disorder and their unaffected siblings. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2004**, 43, 332-40	7.2	268
239	Changes in cortical thickness during the course of illness in schizophrenia. *Archives of General Psychiatry*, **2011**, 68, 871-80		267
238	Microstructural organization of the cingulum tract and the level of default mode functional connectivity. *Journal of Neuroscience*, **2008**, 28, 10844-51	6.6	258
237	Human brain changes across the life span: a review of 56 longitudinal magnetic resonance imaging studies. *Human Brain Mapping*, **2012**, 33, 1987-2002	5.9	254
236	A four-dimensional probabilistic atlas of the human brain. *Journal of the American Medical Informatics Association: JAMIA*, **2001**, 8, 401-30	8.6	248
235	Focal gray matter changes in schizophrenia across the course of the illness: a 5-year follow-up study. *Neuropsychopharmacology*, **2007**, 32, 2057-66	8.7	237
234	Brain volumes in relatives of patients with schizophrenia: a meta-analysis. *Archives of General Psychiatry*, **2007**, 64, 297-304		234
233	Quantitative genetic modeling of variation in human brain morphology. *Cerebral Cortex*, **2001**, 11, 816-24	5.1	234
232	Focal gray matter density changes in schizophrenia. *Archives of General Psychiatry*, **2001**, 58, 1118-25		231
231	Genetic contributions to human brain morphology and intelligence. *Journal of Neuroscience*, **2006**, 26, 10235-42	6.6	217
230	Changes in thickness and surface area of the human cortex and their relationship with intelligence. *Cerebral Cortex*, **2015**, 25, 1608-17	5.1	206
229	Progressive brain volume loss in schizophrenia over the course of the illness: evidence of maturational abnormalities in early adulthood. *Biological Psychiatry*, **2008**, 63, 106-13	7.9	201

228	Sex steroids and brain structure in pubertal boys and girls. *Psychoneuroendocrinology*, **2009**, 34, 332-42	5	199
227	Accelerated Brain Aging in Schizophrenia: A Longitudinal Pattern Recognition Study. *American Journal of Psychiatry*, **2016**, 173, 607-16	11.9	197
226	Structural brain abnormalities in patients with schizophrenia and their healthy siblings. *American Journal of Psychiatry*, **2000**, 157, 416-21	11.9	196
225	An integrated genetic-epigenetic analysis of schizophrenia: evidence for co-localization of genetic associations and differential DNA methylation. *Genome Biology*, **2016**, 17, 176	18.3	189
224	Differential effects of DRD4 and DAT1 genotype on fronto-striatal gray matter volumes in a sample of subjects with attention deficit hyperactivity disorder, their unaffected siblings, and controls. *Molecular Psychiatry*, **2005**, 10, 678-85	15.1	184
223	Common variants at 12q14 and 12q24 are associated with hippocampal volume. *Nature Genetics*, **2012**, 44, 545-51	36.3	175
222	Novel genetic loci associated with hippocampal volume. *Nature Communications*, **2017**, 8, 13624	17.4	173
221	Volume changes in gray matter in patients with schizophrenia. *American Journal of Psychiatry*, **2002**, 159, 244-50	11.9	172
220	Volumetric analysis of frontal lobe regions in schizophrenia: relation to cognitive function and symptomatology. *Biological Psychiatry*, **1999**, 45, 1597-605	7.9	170
219	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. *Nature Neuroscience*, **2016**, 19, 420-431	25.5	163
218	Excessive brain volume loss over time in cannabis-using first-episode schizophrenia patients. *American Journal of Psychiatry*, **2008**, 165, 490-6	11.9	163
217	Volumes of brain structures in twins discordant for schizophrenia. *Archives of General Psychiatry*, **2001**, 58, 33-40		161
216	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
215	The genetic architecture of the human cerebral cortex. *Science*, **2020**, 367,	33.3	156
214	Focal white matter density changes in schizophrenia: reduced inter-hemispheric connectivity. *NeuroImage*, **2004**, 21, 27-35	7.9	156
213	Assessment of system dysfunction in the brain through MRI-based connectomics. *Lancet Neurology, The*, **2013**, 12, 1189-99	24.1	155
212	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
211	Can structural MRI aid in clinical classification? A machine learning study in two independent samples of patients with schizophrenia, bipolar disorder and healthy subjects. *NeuroImage*, **2014**, 84, 299-306	7.9	151

210	Prenatal exposure to famine and brain morphology in schizophrenia. *American Journal of Psychiatry*, **2000**, 157, 1170-2	11.9	149
209	Novel genetic loci underlying human intracranial volume identified through genome-wide association. *Nature Neuroscience*, **2016**, 19, 1569-1582	25.5	147
208	ENIGMA and the individual: Predicting factors that affect the brain in 35 countries worldwide. *NeuroImage*, **2017**, 145, 389-408	7.9	142
207	Sex steroids and brain structure in pubertal boys and girls: a mini-review of neuroimaging studies. *Neuroscience*, **2011**, 191, 28-37	3.9	138
206	Sex steroids and connectivity in the human brain: a review of neuroimaging studies. *Psychoneuroendocrinology*, **2011**, 36, 1101-13	5	137
205	Partial volume decrease of the thalamus in relatives of patients with schizophrenia. *American Journal of Psychiatry*, **1998**, 155, 1784-6	11.9	136
204	Heritability of regional and global brain structure at the onset of puberty: a magnetic resonance imaging study in 9-year-old twin pairs. *Human Brain Mapping*, **2009**, 30, 2184-96	5.9	135
203	Classification of schizophrenia patients and healthy controls from structural MRI scans in two large independent samples. *NeuroImage*, **2012**, 61, 606-12	7.9	134
202	Motor network degeneration in amyotrophic lateral sclerosis: a structural and functional connectivity study. *PLoS ONE*, **2010**, 5, e13664	3.7	132
201	Increased gray-matter volume in medication-naive high-functioning children with autism spectrum disorder. *Psychological Medicine*, **2005**, 35, 561-70	6.9	116
200	Brain volume changes in the first year of illness and 5-year outcome of schizophrenia. *British Journal of Psychiatry*, **2006**, 189, 381-2	5.4	112
199	Heritability of changes in brain volume over time in twin pairs discordant for schizophrenia. *Archives of General Psychiatry*, **2008**, 65, 1259-68		107
198	Gray and white matter volume abnormalities in monozygotic and same-gender dizygotic twins discordant for schizophrenia. *Biological Psychiatry*, **2004**, 55, 126-30	7.9	104
197	GABA and glutamate in schizophrenia: a 7 T H-MRS study. *NeuroImage: Clinical*, **2014**, 6, 398-407	5.3	102
196	Multi-site study of additive genetic effects on fractional anisotropy of cerebral white matter: Comparing meta and megaanalytical approaches for data pooling. *NeuroImage*, **2014**, 95, 136-50	7.9	95
195	Genetic control of functional brain network efficiency in children. *European Neuropsychopharmacology*, **2013**, 23, 19-23	1.2	95
194	Changing your sex changes your brain: influences of testosterone and estrogen on adult human brain structure. *European Journal of Endocrinology*, **2006**, 155, S107-S114	6.5	95
193	Multivariate genetic analysis of brain structure in an extended twin design. *Behavior Genetics*, **2000**, 30, 311-9	3.2	95

192	Automatic segmentation of the ventricular system from MR images of the human brain. *NeuroImage*, **2001**, 14, 95-104	7.9	94
191	Gray and white matter density changes in monozygotic and same-sex dizygotic twins discordant for schizophrenia using voxel-based morphometry. *NeuroImage*, **2006**, 31, 482-8	7.9	93
190	Genetic correlations between brain volumes and the WAIS-III dimensions of verbal comprehension, working memory, perceptual organization, and processing speed. *Twin Research and Human Genetics*, **2003**, 6, 131-9		92
189	Exercise therapy, cardiorespiratory fitness and their effect on brain volumes: a randomised controlled trial in patients with schizophrenia and healthy controls. *European Neuropsychopharmacology*, **2013**, 23, 675-85	1.2	91
188	The effect of clozapine on caudate nucleus volume in schizophrenic patients previously treated with typical antipsychotics. *Neuropsychopharmacology*, **2001**, 24, 47-54	8.7	90
187	Influence of genes and environment on brain volumes in twin pairs concordant and discordant for bipolar disorder. *Archives of General Psychiatry*, **2009**, 66, 142-51		89
186	Genetic schizophrenia risk variants jointly modulate total brain and white matter volume. *Biological Psychiatry*, **2013**, 73, 525-31	7.9	87
185	Human subcortical brain asymmetries in 15,847 people worldwide reveal effects of age and sex. *Brain Imaging and Behavior*, **2017**, 11, 1497-1514	4.1	87
184	White matter development in early puberty: a longitudinal volumetric and diffusion tensor imaging twin study. *PLoS ONE*, **2012**, 7, e32316	3.7	83
183	A meta-analysis of the polyunsaturated fatty acid composition of erythrocyte membranes in schizophrenia. *Schizophrenia Research*, **2012**, 141, 153-61	3.6	82
182	Overlapping and segregating structural brain abnormalities in twins with schizophrenia or bipolar disorder. *Archives of General Psychiatry*, **2012**, 69, 349-59		82
181	Advances in high-resolution imaging and computational unfolding of the human hippocampus. *NeuroImage*, **2009**, 47, 42-9	7.9	82
180	Cerebral white matter in early puberty is associated with luteinizing hormone concentrations. *Psychoneuroendocrinology*, **2008**, 33, 909-15	5	82
179	Brain MRI abnormalities in schizophrenia: same genes or same environment?. *Psychological Medicine*, **2005**, 35, 1399-409	6.9	82
178	Automated separation of gray and white matter from MR images of the human brain. *NeuroImage*, **2001**, 13, 230-7	7.9	82
177	Genetic architecture of subcortical brain structures in 38,851 individuals. *Nature Genetics*, **2019**, 51, 1624-1636	30.5	81
176	The brain matures with stronger functional connectivity and decreased randomness of its network. *PLoS ONE*, **2012**, 7, e36896	3.7	80
175	Psychosis and brain volume changes during the first five years of schizophrenia. *European Neuropsychopharmacology*, **2009**, 19, 147-51	1.2	79

174	Hippocampal volume and subcortical white matter lesions in late life depression: comparison of early and late onset depression. *Journal of Neurology, Neurosurgery and Psychiatry*, **2007**, 78, 638-40	5.5	79
173	F91. REDUCED RESTING STATE FUNCTIONAL CONNECTIVITY IN THE HIPPOCAMPUS-MIDBRAIN-STRIATUM NETWORK OF SCHIZOPHRENIA PATIENTS. *Schizophrenia Bulletin*, **2019**, 45, S288-S288	1.3	78
172	S15. HERITABILITY AND CORRELATION TO SCHIZOPHRENIA SPECTRUM DISORDERS OF CEREBRAL BLOOD FLOW MEASURED BY PSEUDO-CONTINUOUS ARTERIAL SPIN LABELING IN DANISH TWINS. *Schizophrenia Bulletin*, **2019**, 45, S311-S311	1.3	78
171	O4.1. GENETIC VULNERABILITY TO DUSP22 PROMOTOR HYPERMETHYLATION IS INVOLVED IN THE RELATION BETWEEN IN UTERO FAMINE EXPOSURE AND SCHIZOPHRENIA. *Schizophrenia Bulletin*, **2018**, 44, S82-S82	1.3	78
170	O4.2. HERITABILITY AND CORRELATION TO SCHIZOPHRENIA SPECTRUM DISORDER OF GLUTAMATE AND OTHER NEUROMETABOLITE LEVELS IN ANTERIOR CINGULATE AND LEFT THALAMUS: A REGISTER BASED MAGNETIC RESONANCE TWIN STUDY. *Schizophrenia Bulletin*, **2018**, 44, S83-S83	1.3	78
169	Brain plasticity and intellectual ability are influenced by shared genes. *Journal of Neuroscience*, **2010**, 30, 5519-24	6.6	77
168	Brain volumes as predictor of outcome in recent-onset schizophrenia: a multi-center MRI study. *Schizophrenia Research*, **2003**, 64, 41-52	3.6	76
167	Hippocampal changes and white matter lesions in early-onset depression. *Biological Psychiatry*, **2004**, 56, 825-31	7.9	75
166	GABAergic Mechanisms in Schizophrenia: Linking Postmortem and Studies. *Frontiers in Psychiatry*, **2017**, 8, 118	5	74
165	Physical Exercise Keeps the Brain Connected: Biking Increases White Matter Integrity in Patients With Schizophrenia and Healthy Controls. *Schizophrenia Bulletin*, **2015**, 41, 869-78	1.3	74
164	Impaired cerebellar functional connectivity in schizophrenia patients and their healthy siblings. *Frontiers in Psychiatry*, **2011**, 2, 73	5	74
163	Tract-based analysis of magnetization transfer ratio and diffusion tensor imaging of the frontal and frontotemporal connections in schizophrenia. *Schizophrenia Bulletin*, **2010**, 36, 778-87	1.3	74
162	Structural brain abnormalities in chronic schizophrenia at the extremes of the outcome spectrum. *American Journal of Psychiatry*, **2001**, 158, 1140-2	11.9	74
161	Microstructural alterations of the arcuate fasciculus in schizophrenia patients with frequent auditory verbal hallucinations. *Schizophrenia Research*, **2011**, 130, 68-77	3.6	73
160	Genetic influences on thinning of the cerebral cortex during development. *NeuroImage*, **2012**, 59, 3871-80	7.9	72
159	Reliability of brain volumes from multicenter MRI acquisition: a calibration study. *Human Brain Mapping*, **2004**, 22, 312-20	5.9	72
158	A controlled study of brain structure in monozygotic twins concordant and discordant for schizophrenia. *Biological Psychiatry*, **2004**, 56, 454-61	7.9	70
157	Heritability of verbal and performance intelligence in a pediatric longitudinal sample. *Twin Research and Human Genetics*, **2011**, 14, 119-28	2.2	68

156	Heritability of subcortical brain measures: a perspective for future genome-wide association studies. *NeuroImage*, **2013**, 83, 98-102	7.9	67
155	Genome-wide association study of sexual maturation in males and females highlights a role for body mass and menarche loci in male puberty. *Human Molecular Genetics*, **2014**, 23, 4452-64	5.6	66
154	Cannabis use and progressive cortical thickness loss in areas rich in CB1 receptors during the first five years of schizophrenia. *European Neuropsychopharmacology*, **2010**, 20, 855-65	1.2	66
153	Schizophrenia as a progressive brain disease. *European Psychiatry*, **2008**, 23, 245-54	6	66
152	Heritability of DTI and MTR in nine-year-old children. *NeuroImage*, **2010**, 53, 1085-92	7.9	62
151	Association of IQ Changes and Progressive Brain Changes in Patients With Schizophrenia. *JAMA Psychiatry*, **2015**, 72, 803-12	14.5	61
150	Mapping reliability in multicenter MRI: voxel-based morphometry and cortical thickness. *Human Brain Mapping*, **2010**, 31, 1967-82	5.9	61
149	Individual differences in EEG spectral power reflect genetic variance in gray and white matter volumes. *Twin Research and Human Genetics*, **2012**, 15, 384-92	2.2	60
148	Statistical sulcal shape comparisons: application to the detection of genetic encoding of the central sulcus shape. *NeuroImage*, **2000**, 11, 564-74	7.9	60
147	Aberrations in the arcuate fasciculus are associated with auditory verbal hallucinations in psychotic and in non-psychotic individuals. *Human Brain Mapping*, **2013**, 34, 626-34	5.9	59
146	Decreased frontostriatal microstructural organization in attention deficit/hyperactivity disorder. *Human Brain Mapping*, **2012**, 33, 1941-51	5.9	58
145	Effect of clozapine on caudate nucleus volume in relation to symptoms of schizophrenia. *American Journal of Psychiatry*, **2001**, 158, 644-6	11.9	58
144	Specific somatotopic organization of functional connections of the primary motor network during resting state. *Human Brain Mapping*, **2010**, 31, 631-44	5.9	57
143	Confounders of excessive brain volume loss in schizophrenia. *Neuroscience and Biobehavioral Reviews*, **2013**, 37, 2418-23	9	55
142	Altered white matter connectivity in never-medicated patients with schizophrenia. *Human Brain Mapping*, **2013**, 34, 2353-65	5.9	53
141	Functional diffusion tensor imaging: measuring task-related fractional anisotropy changes in the human brain along white matter tracts. *PLoS ONE*, **2008**, 3, e3631	3.7	52
140	Tract-based diffusion tensor imaging in patients with schizophrenia and their non-psychotic siblings. *European Neuropsychopharmacology*, **2013**, 23, 295-304	1.2	51
139	Heritability of structural brain network topology: a DTI study of 156 twins. *Human Brain Mapping*, **2014**, 35, 5295-305	5.9	50

138	Cannabis and brain morphology in recent-onset schizophrenia. *Schizophrenia Research*, **2004**, 67, 305-7	3.6	48
137	A family affair: brain abnormalities in siblings of patients with schizophrenia. *Brain*, **2013**, 136, 3215-26	11.2	47
136	IQ change over time in schizophrenia and healthy individuals: a meta-analysis. *Schizophrenia Research*, **2013**, 146, 201-8	3.6	47
135	Brain volume changes after withdrawal of atypical antipsychotics in patients with first-episode schizophrenia. *Journal of Clinical Psychopharmacology*, **2011**, 31, 146-53	1.7	47
134	Cortical thickness and voxel-based morphometry in depressed elderly. *European Neuropsychopharmacology*, **2010**, 20, 398-404	1.2	47
133	Cerebral volume measurements and subcortical white matter lesions and short-term treatment response in late life depression. *International Journal of Geriatric Psychiatry*, **2007**, 22, 468-74	3.9	47
132	The genetic and environmental determinants of the association between brain abnormalities and schizophrenia: the schizophrenia twins and relatives consortium. *Biological Psychiatry*, **2012**, 71, 915-21	7.9	45
131	Effects of brain-derived neurotrophic factor Val66Met polymorphism on hippocampal volume change in schizophrenia. *Hippocampus*, **2010**, 20, 1010-7	3.5	43
130	Hippocampal volume change in schizophrenia. *Journal of Clinical Psychiatry*, **2010**, 71, 737-44	4.6	43
129	Development of the brain's structural network efficiency in early adolescence: A longitudinal DTI twin study. *Human Brain Mapping*, **2015**, 36, 4938-53	5.9	42
128	Focal and global brain measurements in siblings of patients with schizophrenia. *Schizophrenia Bulletin*, **2012**, 38, 814-25	1.3	42
127	Brain SCALE: brain structure and cognition: an adolescent longitudinal twin study into the genetic etiology of individual differences. *Twin Research and Human Genetics*, **2012**, 15, 453-67	2.2	42
126	Genetic and environmental influences on focal brain density in bipolar disorder. *Brain*, **2010**, 133, 3080-92	11.2	41
125	Segmentation of MRI brain scans using non-uniform partial volume densities. *NeuroImage*, **2010**, 49, 467-77	7.9	41
124	HPG-axis hormones during puberty: a study on the association with hypothalamic and pituitary volumes. *Psychoneuroendocrinology*, **2010**, 35, 133-40	5	41
123	Structural Brain Connectivity as a Genetic Marker for Schizophrenia. *JAMA Psychiatry*, **2016**, 73, 11-9	14.5	39
122	Hypothalamus and pituitary volume in schizophrenia: a structural MRI study. *International Journal of Neuropsychopharmacology*, **2012**, 15, 281-8	5.8	37
121	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	5.9	37

120	Hypothalamus volume in twin pairs discordant for schizophrenia. *European Neuropsychopharmacology*, **2008**, 18, 312-5	1.2	36
119	Focal brain matter differences associated with lifetime alcohol intake and visual attention in male but not in female non-alcohol-dependent drinkers. *NeuroImage*, **2005**, 26, 536-45	7.9	36
118	Does having a twin brother make for a bigger brain?. *European Journal of Endocrinology*, **2009**, 160, 739-46	4.5	35
117	Longitudinal MRI study in schizophrenia patients and their healthy siblings. *British Journal of Psychiatry*, **2008**, 193, 422-3	5.4	34
116	Twin-singleton differences in brain structure using structural equation modelling. *Brain*, **2002**, 125, 384-90	11.2	34
115	Differentiating between low and high susceptibility to schizophrenia in twins: the significance of dermatoglyphic indices in relation to other determinants of brain development. *Schizophrenia Research*, **2001**, 52, 181-93	3.6	34
114	The Association Between Familial Risk and Brain Abnormalities Is Disease Specific: An ENIGMA-Relatives Study of Schizophrenia and Bipolar Disorder. *Biological Psychiatry*, **2019**, 86, 545-556	7.9	33
113	Neuropsychological dysfunctions in siblings discordant for schizophrenia. *Psychiatry Research*, **2000**, 95, 227-35	9.9	33
112	A genetic analysis of brain volumes and IQ in children. *Intelligence*, **2009**, 37, 181-191	3	32
111	Workshop on defining the significance of progressive brain change in schizophrenia: December 12, 2008 American College of Neuropsychopharmacology (ACNP) all-day satellite, Scottsdale, Arizona. The rapporteurs' report. *Schizophrenia Research*, **2009**, 112, 32-45	3.6	31
110	Greater male than female variability in regional brain structure across the lifespan. *Human Brain Mapping*, **2020**,	5.9	31
109	The Computerized Neurocognitive Battery: Validation, aging effects, and heritability across cognitive domains. *Neuropsychology*, **2016**, 30, 53-64	3.8	31
108	Association between structural brain network efficiency and intelligence increases during adolescence. *Human Brain Mapping*, **2018**, 39, 822-836	5.9	31
107	Association of depression duration with reduction of global cerebral gray matter volume in female patients with recurrent major depressive disorder. *American Journal of Psychiatry*, **2003**, 160, 2052-4	11.9	30
106	Symptom dimensions are associated with progressive brain volume changes in schizophrenia. *Schizophrenia Research*, **2012**, 138, 171-6	3.6	29
105	Neural networks in psychiatry. *European Neuropsychopharmacology*, **2013**, 23, 1-6	1.2	29
104	Larger brains in medication naive high-functioning subjects with pervasive developmental disorder. *Journal of Autism and Developmental Disorders*, **2004**, 34, 603-13	4.6	29
103	Connectome organization is related to longitudinal changes in general functioning, symptoms and IQ in chronic schizophrenia. *Schizophrenia Research*, **2016**, 173, 166-173	3.6	28

102	Effects of gestational age and birth weight on brain volumes in healthy 9 year-old children. *Journal of Pediatrics*, **2010**, 156, 896-901	3.6	28
101	Genetic transmission of reading ability. *Brain and Language*, **2017**, 172, 3-8	2.9	27
100	Glutamate changes in healthy young adulthood. *European Neuropsychopharmacology*, **2013**, 23, 1484-90	1.2	27
99	Development and heritability of subcortical brain volumes at ages 9 and 12. *Genes, Brain and Behavior*, **2014**, 13, 733-42	3.6	27
98	Brain volume reductions in medication-naive patients with schizophrenia in relation to intelligence quotient. *Psychological Medicine*, **2012**, 42, 1847-56	6.9	27
97	Associations between alcohol intake and brain volumes in male and female moderate drinkers. *Alcoholism: Clinical and Experimental Research*, **2005**, 29, 656-63	3.7	27
96	Outcome of schizophrenia in relation to brain abnormalities. *Schizophrenia Bulletin*, **1999**, 25, 337-48	1.3	27
95	Reciprocal causation models of cognitive vs volumetric cerebral intermediate phenotypes for schizophrenia in a pan-European twin cohort. *Molecular Psychiatry*, **2015**, 20, 1386-96	15.1	26
94	How frequent are radiological abnormalities in patients with psychosis? A review of 1379 MRI scans. *Schizophrenia Bulletin*, **2013**, 39, 815-9	1.3	26
93	Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3-90 years. *Human Brain Mapping*, **2021**,	5.9	26
92	Disturbed grey matter coupling in schizophrenia. *European Neuropsychopharmacology*, **2013**, 23, 46-54	1.2	25
91	Heritability of brain volume change and its relation to intelligence. *NeuroImage*, **2014**, 100, 676-83	7.9	25
90	Longitudinal study of hormonal and physical development in young twins. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, E518-27	5.6	25
89	Duration of untreated illness in schizophrenia is not associated with 5-year brain volume change. *Schizophrenia Research*, **2011**, 132, 84-90	3.6	25
88	Heritability of volumetric brain changes and height in children entering puberty. *Human Brain Mapping*, **2013**, 34, 713-25	5.9	25
87	The course of brain abnormalities in schizophrenia: can we slow the progression?. *Journal of Psychopharmacology*, **2012**, 26, 8-14	4.6	25
86	Comparing free water imaging and magnetization transfer measurements in schizophrenia. *Schizophrenia Research*, **2015**, 161, 126-32	3.6	24
85	No differences in MR-based volumetry between 2- and 7-year-old children with autism spectrum disorder and developmental delay. *Brain and Development*, **2009**, 31, 725-30	2.2	24

84	Association of Copy Number Variation of the 15q11.2 BP1-BP2 Region With Cortical and Subcortical Morphology and Cognition. *JAMA Psychiatry*, **2020**, 77, 420-430	14.5	24
83	Genetic Influences on the Development of Cerebral Cortical Thickness During Childhood and Adolescence in a Dutch Longitudinal Twin Sample: The Brainscale Study. *Cerebral Cortex*, **2019**, 29, 978-993	5.1	24
82	Genetic and environmental influences on functional connectivity within and between canonical cortical resting-state networks throughout adolescent development in boys and girls. *NeuroImage*, **2019**, 202, 116073	7.9	23
81	Epigenome-wide meta-analysis of blood DNA methylation and its association with subcortical volumes: findings from the ENIGMA Epigenetics Working Group. *Molecular Psychiatry*, **2021**, 26, 3884-3895	15.1	22
80	Longitudinal development of hormone levels and grey matter density in 9 and 12-year-old twins. *Behavior Genetics*, **2015**, 45, 313-23	3.2	21
79	Genes contributing to subcortical volumes and intellectual ability implicate the thalamus. *Human Brain Mapping*, **2014**, 35, 2632-42	5.9	21
78	Genetic associations between intelligence and cortical thickness emerge at the start of puberty. *Human Brain Mapping*, **2014**, 35, 3760-73	5.9	21
77	Global intellectual impairment does not accelerate with age in patients with schizophrenia: a cross-sectional analysis. *Schizophrenia Bulletin*, **2003**, 29, 509-17	1.3	21
76	Heritability of cortical thickness changes over time in twin pairs discordant for schizophrenia. *Schizophrenia Research*, **2016**, 173, 192-199	3.6	21
75	Heritability of cerebral glutamate levels and their association with schizophrenia spectrum disorders: a [H]-spectroscopy twin study. *Neuropsychopharmacology*, **2019**, 44, 581-589	8.7	21
74	Genetic vulnerability to DUSP22 promoter hypermethylation is involved in the relation between in utero famine exposure and schizophrenia. *NPJ Schizophrenia*, **2018**, 4, 16	5.5	20
73	Trajectories of subcortical volume change in schizophrenia: A 5-year follow-up. *Schizophrenia Research*, **2016**, 173, 140-145	3.6	19
72	Brain anatomy in non-affected parents of autistic probands: a MRI study. *Psychological Medicine*, **2005**, 35, 1411-20	6.9	19
71	Odor discrimination and task duration in young and older adults. *Chemical Senses*, **2000**, 25, 461-4	4.8	19
70	Functional diffusion tensor imaging at 3 Tesla. *Frontiers in Human Neuroscience*, **2013**, 7, 817	3.3	17
69	Cigarette smoking and progressive brain volume loss in schizophrenia. *European Neuropsychopharmacology*, **2010**, 20, 454-8	1.2	17
68	Odor discrimination in patients with frontal lobe damage and Korsakoff's syndrome. *Neuropsychologia*, **2002**, 40, 888-91	3.2	17
67	Genetic Variation in Schizophrenia Liability is Shared With Intellectual Ability and Brain Structure. *Schizophrenia Bulletin*, **2016**, 42, 1167-75	1.3	17

66	The impact of chronic fatigue syndrome on cognitive functioning in adolescents. *European Journal of Pediatrics*, **2016**, 175, 245-52	4.1	16
65	Homogenizing Estimates of Heritability Among SOLAR-Eclipse, OpenMx, APACE, and FPHI Software Packages in Neuroimaging Data. *Frontiers in Neuroinformatics*, **2019**, 13, 16	3.9	15
64	Genetic covariance structure of reading, intelligence and memory in children. *Behavior Genetics*, **2009**, 39, 245-54	3.2	15
63	Genetic basis of a cognitive complexity metric. *PLoS ONE*, **2015**, 10, e0123886	3.7	14
62	Genetic and environmental stability of intelligence in childhood and adolescence. *Twin Research and Human Genetics*, **2014**, 17, 151-63	2.2	13
61	Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3-90 years. *Human Brain Mapping*, **2021**,	5.9	13
60	Genetic and environmental influences on cortical surface area and cortical thickness in bipolar disorder. *Psychological Medicine*, **2015**, 45, 193-204	6.9	12
59	Contribution of genes and unique environment to cross-sectional and longitudinal measures of subcortical volumes in bipolar disorder. *European Neuropsychopharmacology*, **2015**, 25, 2197-209	1.2	11
58	Intelligence: shared genetic basis between Mendelian disorders and a polygenic trait. *European Journal of Human Genetics*, **2015**, 23, 1378-83	5.3	10
57	Topology of genetic associations between regional gray matter volume and intellectual ability: Evidence for a high capacity network. *NeuroImage*, **2016**, 124, 1044-1053	7.9	10
56	Associations between subjective well-being and subcortical brain volumes. *Scientific Reports*, **2017**, 7, 6957	4.9	10
55	Intelligence and Brain Efficiency: Investigating the Association between Working Memory Performance, Glutamate, and GABA. *Frontiers in Psychiatry*, **2017**, 8, 154	5	10
54	Tract-based magnetic resonance spectroscopy of the cingulum bundles at 7 T. *Human Brain Mapping*, **2012**, 33, 1503-11	5.9	10
53	The YOUth study: Rationale, design, and study procedures. *Developmental Cognitive Neuroscience*, **2020**, 46, 100868	5.5	10
52	Exploraci□ de la red cerebral: una revisi□ de la conectividad funcional en la RMf en estado de reposo. *Psiquiatria Biologica*, **2011**, 18, 28-41	0.2	9
51	The YOUth cohort study: MRI protocol and test-retest reliability in adults. *Developmental Cognitive Neuroscience*, **2020**, 45, 100816	5.5	9
50	Running in the Family? Structural Brain Abnormalities and IQ in Offspring, Siblings, Parents, and Co-twins of Patients with Schizophrenia. *Schizophrenia Bulletin*, **2019**, 45, 1209-1217	1.3	8
49	Domain dependent associations between cognitive functioning and regular voluntary exercise behavior. *Brain and Cognition*, **2015**, 97, 32-9	2.7	7

48	Detection of Glutamate Alterations in the Human Brain Using H-MRS: Comparison of STEAM and sLASER at 7 T. *Frontiers in Psychiatry*, **2017**, 8, 60	5	7
47	Is there change in intelligence quotient in chronically ill schizophrenia patients? A longitudinal study in twins discordant for schizophrenia. *Psychological Medicine*, **2012**, 42, 2535-41	6.9	7
46	ENIGMA and Global Neuroscience: A Decade of Large-Scale Studies of the Brain in Health and Disease across more than 40 Countries		7
45	The Speed of Development of Adolescent Brain Age Depends on Sex and Is Genetically Determined. *Cerebral Cortex*, **2021**, 31, 1296-1306	5.1	7
44	Changes in the intracranial volume from early adulthood to the sixth decade of life: A longitudinal study. *NeuroImage*, **2020**, 220, 116842	7.9	6
43	A study of genetic and environmental contributions to structural brain changes over time in twins concordant and discordant for bipolar disorder. *Journal of Psychiatric Research*, **2016**, 79, 116-124	5.2	6
42	Detailed T1-Weighted Profiles from the Human Cortex Measured in Vivo at 3 Tesla MRI. *Neuroinformatics*, **2018**, 16, 181-196	3.2	6
41	Association study of copy number variants with brain volume in schizophrenia patients and healthy controls. *Psychiatry Research*, **2012**, 200, 1011-3	9.9	6
40	Frontal lobe damage and thalamic volume changes. *NeuroReport*, **2000**, 11, 3039-41	1.7	6
39	Sexual dimorphism in cortisol metabolism throughout pubertal development: a longitudinal study. *Endocrine Connections*, **2020**, 9, 542-551	3.5	6
38	Subcortical Volume Trajectories across the Lifespan: Data from 18,605 healthy individuals aged 3-90 years		6
37	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. *Translational Psychiatry*, **2021**, 11, 182	8.6	6
36	Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. *Human Brain Mapping*, **2021**,	5.9	6
35	Family-wise automatic classification in schizophrenia. *Schizophrenia Research*, **2013**, 149, 108-11	3.6	5
34	Genetic Architecture of Subcortical Brain Structures in Over 40,000 Individuals Worldwide		5
33	Heritability of Cortisol Production and Metabolism Throughout Adolescence. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	5
32	Intelligence, educational attainment, and brain structure in those at familial high-risk for schizophrenia or bipolar disorder. *Human Brain Mapping*, **2020**,	5.9	5
31	Accelerated aging in the brain, epigenetic aging in blood, and polygenic risk for schizophrenia. *Schizophrenia Research*, **2021**, 231, 189-197	3.6	5

30	Reduced resting state functional connectivity in the hippocampus-midbrain-striatum network of schizophrenia patients. *Journal of Psychiatric Research*, **2021**, 138, 83-88	5.2	5
29	Heritability of Cerebral Blood Flow and the Correlation to Schizophrenia Spectrum Disorders: A Pseudo-continuous Arterial Spin Labeling Twin Study. *Schizophrenia Bulletin*, **2019**, 45, 1231-1241	1.3	5
28	MRI, volumetry, 1H spectroscopy, and cerebropetal blood flowmetry in childhood idiopathic anatomic megalencephaly. *Journal of Magnetic Resonance Imaging*, **2006**, 24, 282-7	5.6	4
27	Cortical Thickness Trajectories across the Lifespan: Data from 17,075 healthy individuals aged 3-90 years		4
26	The association between hippocampal volume and life events in healthy twins. *Hippocampus*, **2016**, 26, 1088-95	3.5	4
25	Individual differences in dynamic measures of verbal learning abilities in young twin pairs and their older siblings. *Learning and Individual Differences*, **2009**, 19, 440-444	3.1	3
24	Alcohol use and brain morphology in adolescence: A longitudinal study in three different cohorts. *European Journal of Neuroscience*, **2021**, 54, 6012-6026	3.5	3
23	Heritability of Memory Functions and Related Brain Volumes: A Schizophrenia Spectrum Study of 214 Twins. *Schizophrenia Bulletin Open*, **2020**, 1,	2.2	2
22	Relationship between carbohydrate-deficient transferrin, gamma-glutamyl transferase, and mean corpuscular volume levels and alcohol-related brain volume decreases in male drinkers. *Human Psychopharmacology*, **2012**, 27, 559-65	2.3	2
21	Integrating Cognitive Developmental Neuroscience in Society: Lessons Learned From a Multidisciplinary Research Project on Education and Social Safety of Youth. *Frontiers in Integrative Neuroscience*, **2021**, 15, 756640	3.2	2
20	De-identification procedures for magnetic resonance images and the impact on structural brain measures at different ages. *Human Brain Mapping*, **2021**, 42, 3643-3655	5.9	2
19	Reliability modelling of resting-state functional connectivity. *NeuroImage*, **2021**, 231, 117842	7.9	2
18	Sex Differences in Lifespan Trajectories and Variability of Human Sulcal and Gyral Morphology. *Cerebral Cortex*, **2021**, 31, 5107-5120	5.1	2
17	Dissimilarity in Sulcal Width Patterns in the Cortex can be Used to Identify Patients With Schizophrenia With Extreme Deficits in Cognitive Performance. *Schizophrenia Bulletin*, **2021**, 47, 552-561	1.3	2
16	Human Brain Volume: What in the Genes# **2009**, 137-157		2
15	Long-Term Stability of Cortisol Production and Metabolism Throughout Adolescence: Longitudinal Twin Study. *Twin Research and Human Genetics*, **2020**, 23, 33-38	2.2	1
14	Poster #56 CLASSIFICATION OF SCHIZOPHRENIA PATIENTS AND HEALTHY CONTROLS FROM STRUCTURAL MRI SCANS VERIFIED IN TWO LARGE INDEPENDENT SAMPLES. *Schizophrenia Research*, **2012**, 136, S205	3.6	1
13	Evidence of fronto-thalamic involvement in schizophrenia. *Progress in Brain Research*, **2000**, 126, 343-55	2.9	1

12	Dissimilarity in sulcal width patterns in the cortex can be used to identify patients with schizophrenia with extreme deficits in cognitive performance		1
11	Localizing genomic regions contributing to the extremes of externalizing behavior: ADHD, aggressive and antisocial behaviors		1
10	Genetic variants associated with longitudinal changes in brain structure across the lifespan.. *Nature Neuroscience*, **2022**, 25, 421-432	25.5	1
9	Heritability of Urinary Amines, Organic Acids, and Steroid Hormones in Children. *Metabolites*, **2022**, 12, 474	5.6	0
8	Structural MRI Differences between Patients with and without First Rank Symptoms: A Delusion?. *Frontiers in Psychiatry*, **2015**, 6, 107	5	
7	Do we measure gray matter activation with functional diffusion tensor imaging?. *Frontiers in Neuroscience*, **2014**, 8, 126	5.1	
6	Association study of fibroblast growth factor genes and brain volumes in schizophrenic patients and healthy controls. *Psychiatric Genetics*, **2014**, 24, 283-4	2.9	
5	CHANGES IN CORTICAL THICKNESS IN PATIENTS WITH SCHIZOPHRENIA: A 5-YEAR LONGITUDINALMRI STUDY ACROSS THE COURSE OF ILLNESS. *Schizophrenia Research*, **2008**, 102, 15-16	3.6	
4	THE RELATIONSHIP BETWEEN BRAIN VOLUMES AND MEMORY PERFORMANCE IN SCHIZOPHRENIA. *Schizophrenia Research*, **2008**, 102, 138	3.6	
3	Anatomische veranderingen in de hersenen van patiënten met schizofrenie: wat kan diffusie-tensor-imaging ons leren?. *Neuropraxis*, **2006**, 10, 40-43	0	
2	Structural Methods in Gray Matter **2020**, 3-26		
1	No Evidence of Causal Effects of Blood Pressure on Cognition in the Population at Large. *Twin Research and Human Genetics*, **2016**, 19, 17-26	2.2	