Peter V Kochunov

List of Publications by Year
in descending order

213	18,074	34105 52	16650 123
papers	citations	h-index	g-index

237	237	237	20429
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Frontal white matter association with sleep quality and the role of stress. Journal of Sleep Research, 2023, 32, .	3.2	5
2	Intracranial and subcortical volumes in adolescents with <scp>early‐onset</scp> psychosis: A multisite <scp>mega‐analysis</scp> from the <scp>ENIGMA</scp> consortium. Human Brain Mapping, 2022, 43, 373-384.	3.6	27
3	The <scp>ENIGMA‐Epilepsy</scp> working group: Mapping disease from large data sets. Human Brain Mapping, 2022, 43, 113-128.	3.6	47
4	Translating <scp>ENIGMA</scp> schizophrenia findings using the regional vulnerability index: Association with cognition, symptoms, and disease trajectory. Human Brain Mapping, 2022, 43, 566-575.	3.6	25
5	White matter alterations and the conversion to psychosis: A combined diffusion tensor imaging and glutamate 1H MRS study. Schizophrenia Research, 2022, 249, 85-92.	2.0	8
6	ENIGMA‐DTI: Translating reproducible white matter deficits into personalized vulnerability metrics in cross‐diagnostic psychiatric research. Human Brain Mapping, 2022, 43, 194-206.	3.6	52
7	Multi-spatial-scale dynamic interactions between functional sources reveal sex-specific changes in schizophrenia. Network Neuroscience, 2022, 6, 357-381.	2.6	29
8	Computational Modeling of Electroencephalography and Functional Magnetic Resonance Imaging Paradigms Indicates a Consistent Loss of Pyramidal Cell Synaptic Gain in Schizophrenia. Biological Psychiatry, 2022, 91, 202-215.	1.3	40
9	A <scp>meta‐analysis</scp> of deep brain structural shape and asymmetry abnormalities in 2,833 individuals with schizophrenia compared with 3,929 healthy volunteers via the <scp>ENIGMA Consortium</scp>. Human Brain Mapping, 2022, 43, 352-372.	3.6	39
10	A systems‐level analysis highlights microglial activation as a modifying factor in common epilepsies. Neuropathology and Applied Neurobiology, 2022, 48, .	3.2	22
11	The Enhancing <scp>NeuroImaging</scp> Genetics through Meta‐Analysis Consortium: 10‰Years of Global Collaborations in Human Brain Mapping. Human Brain Mapping, 2022, 43, 15-22.	3.6	19
12	Serum kynurenine metabolites might not be associated with risk factors of treatment-resistant schizophrenia. Journal of Psychiatric Research, 2022, 145, 339-346.	3.1	5
13	Role of White Matter Microstructure in Impulsive Behavior. Journal of Neuropsychiatry and Clinical Neurosciences, 2022, 34, 254-260.	1.8	6
14	The additive impact of <scp>cardio‐metabolic</scp> disorders and psychiatric illnesses on accelerated brain aging. Human Brain Mapping, 2022, 43, 1997-2010.	3.6	8
15	Cross disorder comparisons of brain structure in schizophrenia, bipolar disorder, major depressive disorder, and 22q11.2 deletion syndrome: A review of <scp>ENIGMA</scp> findings. Psychiatry and Clinical Neurosciences, 2022, 76, 140-161.	1.8	27
16	Meta-Analysis of Transcriptome-Wide Association Studies across 13 Brain Tissues Identified Novel Clusters of Genes Associated with Nicotine Addiction. Genes, 2022, 13, 37.	2.4	1
17	Session Introduction: Big Data Imaging Genomics. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2022, 27, 68-72.	0.7	0
18	Separating Clinical and Subclinical Depression by Big Data Informed Structural Vulnerability Index and Its impact on Cognition: ENIGMA Dot Product. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2022, 27, 133-143.	0.7	0

#	Article	IF	Citations
19	Virtual Ontogeny of Cortical Growth Preceding Mental Illness. Biological Psychiatry, 2022, 92, 299-313.	1.3	11
20	An integrated clusterâ€wise significance measure for <scp>fMRI</scp> analysis. Human Brain Mapping, 2022, 43, 2444-2459.	3.6	2
21	A new multimodality fusion classification approach to explore the uniqueness of schizophrenia and autism spectrum disorder. Human Brain Mapping, 2022, 43, 3887-3903.	3.6	10
22	Genetic and phylogenetic uncoupling of structure and function in human transmodal cortex. Nature Communications, 2022, 13, 2341.	12.8	54
23	History of suicide attempts associated with the thinning right superior temporal gyrus among individuals with schizophrenia. Brain Imaging and Behavior, 2022, 16, 1893-1901.	2.1	1
24	Eventâ€based modeling in temporal lobe epilepsy demonstrates progressive atrophy from crossâ€sectional data. Epilepsia, 2022, 63, 2081-2095.	5.1	11
25	Altered white matter microstructural organization in posttraumatic stress disorder across 3047 adults: results from the PGC-ENIGMA PTSD consortium. Molecular Psychiatry, 2021, 26, 4315-4330.	7.9	69
26	A White Matter Connection of Schizophrenia and Alzheimerâ€™s Disease. Schizophrenia Bulletin, 2021, 47, 197-206.	4.3	35
27	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. JAMA Psychiatry, 2021, 78, 47.	11.0	136
28	Artificial intelligence for classification of temporal lobe epilepsy with ROI-level MRI data: A worldwide ENIGMA-Epilepsy study. NeuroImage: Clinical, 2021, 31, 102765.	2.7	25
29	Mapping local and long-distance resting connectivity markers of TMS-related inhibition reduction in schizophrenia. NeuroImage: Clinical, 2021, 31, 102688.	2.7	1
30	Allostatic Load Effects on Cortical and Cognitive Deficits in Essentially Normotensive, Normoweight Patients with Schizophrenia. Schizophrenia Bulletin, 2021, 47, 1048-1057.	4.3	11
31	Comparison of regional brain deficit patterns in common psychiatric and neurological disorders as revealed by big data. NeuroImage: Clinical, 2021, 29, 102574.	2.7	9
32	N-methyl-D-aspartate Receptor Antibody and White Matter Deficits in Schizophrenia Treatment-Resistance. Schizophrenia Bulletin, 2021, 47, 1463-1472.	4.3	11
33	The microRNA-195 - BDNF pathway and cognitive deficits in schizophrenia patients with minimal antipsychotic medication exposure. Translational Psychiatry, 2021, 11, 117.	4.8	12
34	Local versus long-range connectivity patterns of auditory disturbance in schizophrenia. Schizophrenia Research, 2021, 228, 262-270.	2.0	3
35	Genetic versus stress and mood determinants of sleep in the Amish. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2021, 186, 113-121.	1.7	2
36	White matter microstructure and its relation to clinical features of obsessiveâ€“compulsive disorder: findings from the ENIGMA OCD Working Group. Translational Psychiatry, 2021, 11, 173.	4.8	33

#	Article	IF	Citations
37	ENIGMAâ€Sleep: Challenges, opportunities, and the road map. Journal of Sleep Research, 2021, 30, e13347.	3.2	19
38	Multiple dimensions of stress vs. genetic effects on depression. Translational Psychiatry, 2021, 11, 254.	4.8	4
39	Neuroretinal Biomarkers for Schizophrenia Spectrum Disorders. Translational Vision Science and Technology, 2021, 10, 29.	2.2	8
40	Effects of neuroactive metabolites of the tryptophan pathway on working memory and cortical thickness in schizophrenia. Translational Psychiatry, 2021, 11, 198.	4.8	18
41	White matter brain aging in relationship to schizophrenia and its cognitive deficit. Schizophrenia Research, 2021, 230, 9-16.	2.0	20
42	Association of working memory and elevated overnight urinary norepinephrine in patients with schizophrenia. Journal of Psychiatric Research, 2021, 137, 89-95.	3.1	8
43	White Matter Disruption in Pediatric Traumatic Brain Injury. Neurology, 2021, 97, .	1.1	14
44	Bayes estimate of primary threshold in clusterwise functional magnetic resonance imaging inferences. Statistics in Medicine, 2021, 40, 5673-5689.	1.6	3
45	White matter in prolonged glucocorticoid response to psychological stress in schizophrenia. Neuropsychopharmacology, 2021, 46, 2312-2319.	5.4	6
46	Aberrant anterior cingulate processing of anticipated threat as a mechanism for psychosis. Psychiatry Research - Neuroimaging, 2021, 313, 111300.	1.8	2
47	Evidence of shared and distinct functional and structural brain signatures in schizophrenia and autism spectrum disorder. Communications Biology, 2021, 4, 1073.	4.4	19
48	Multi-model Order ICA: A Data-driven Method for Evaluating Brain Functional Network Connectivity Within and Between Multiple Spatial Scales. Brain Connectivity, 2021, , .	1.7	7
49	Behavioral, Anatomical and Heritable Convergence of Affect and Cognition in Superior Frontal Cortex. NeuroImage, 2021, 243, 118561.	4.2	11
50	Stressful life events and openness to experience: Relevance to depression. Journal of Affective Disorders, 2021, 295, 711-716.	4.1	22
51	White Matter Integrity and Nicotine Dependence: Evaluating Vertical and Horizontal Pleiotropy. Frontiers in Neuroscience, 2021, 15, 738037.	2.8	6
52	Comparing empirical kinship derived heritability for imaging genetics traits in the UK biobank and human connectome project. NeuroImage, 2021, 245, 118700.	4.2	2
53	Separating Clinical and Subclinical Depression by Big Data Informed Structural Vulnerability Index and Its impact on Cognition: ENIGMA Dot Product. , 2021, , .		0
54	Session Introduction: Big Data Imaging Genomics. , 2021, , .		0

#	Article	IF	Citations
55	A new Mendelian Randomization method to estimate causal effects of multivariable brain imaging exposures. , 2021, , .		0
56	Bayesian modeling of dependence in brain connectivity data. Biostatistics, 2020, 21, 269-286.	1.5	12
57	Cingulum and abnormal psychological stress response in schizophrenia. Brain Imaging and Behavior, 2020, 14, 548-561.	2.1	3
58	White matter disturbances in major depressive disorder: a coordinated analysis across 20 international cohorts in the ENIGMA MDD working group. Molecular Psychiatry, 2020, 25, 1511-1525.	7.9	218
59	Choroid Plexus Enlargement and Allostatic Load in Schizophrenia. Schizophrenia Bulletin, 2020, 46, 722-731.	4.3	45
60	Effects of ketamine and midazolam on resting state connectivity and comparison with ENIGMA connectivity deficit patterns in schizophrenia. Human Brain Mapping, 2020, 41, 767-778.	3.6	19
61	NeuroMark: An automated and adaptive ICA based pipeline to identify reproducible fMRI markers of brain disorders. NeuroImage: Clinical, 2020, 28, 102375.	2.7	198
62	Assessment of brain cholesterol metabolism biomarker 24S-hydroxycholesterol in schizophrenia. NPJ Schizophrenia, 2020, 6, 34.	3.6	8
63	The reliability and heritability of cortical folds and their genetic correlations across hemispheres. Communications Biology, 2020, 3, 510.	4.4	42
64	Shaping brain structure: Genetic and phylogenetic axes of macroscale organization of cortical thickness. Science Advances, 2020, 6, .	10.3	97
65	Characterizing the Complexity of Weighted Networks via Graph Embedding and Point Pattern Analysis. Entropy, 2020, 22, 925.	2.2	7
66	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. Brain, 2020, 143, 2454-2473.	7.6	123
67	Increased power by harmonizing structural MRI site differences with the ComBat batch adjustment method in ENIGMA. NeuroImage, 2020, 218, 116956.	4.2	135
68	Personality and local brain structure: Their shared genetic basis and reproducibility. NeuroImage, 2020, 220, 117067.	4.2	24
69	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.	4.8	365
70	The genetic architecture of the human cerebral cortex. Science, 2020, 367, .	12.6	450
71	The Relationship Between White Matter Microstructure and General Cognitive Ability in Patients With Schizophrenia and Healthy Participants in the ENIGMA Consortium. American Journal of Psychiatry, 2020, 177, 537-547.	7.2	49
72	The Role of Hippocampal Functional Connectivity on Multisystem Subclinical Abnormalities in Schizophrenia. Psychosomatic Medicine, 2020, 82, 623-630.	2.0	3

#	Article	IF	Citations
73	Hippocampus and cognitive domain deficits in treatment-resistant schizophrenia: A comparison with matched treatment-responsive patients and healthy controlsâœ°,âœ°âœ°,â˜…,â˜…â˜…. Psychiatry Research - Neuroimaging, 2020, 297, 111043.	1.8	20
74	The interrelation of sleep and mental and physical health is anchored in grey-matter neuroanatomy and under genetic control. Communications Biology, 2020, 3, 171.	4.4	24
75	Anterior Cingulate Glutamate and GABA Associations on Functional Connectivity in Schizophrenia. Schizophrenia Bulletin, 2019, 45, 647-658.	4.3	45
76	Aberrant Middle Prefrontal-Motor Cortex Connectivity Mediates Motor Inhibitory Biomarker in Schizophrenia. Biological Psychiatry, 2019, 85, 49-59.	1.3	23
77	Homogenizing Estimates of Heritability Among SOLAR-Eclipse, OpenMx, APACE, and FPHI Software Packages in Neuroimaging Data. Frontiers in Neuroinformatics, 2019, 13, 16.	2.5	23
78	White Matter in Schizophrenia Treatment Resistance. American Journal of Psychiatry, 2019, 176, 829-838.	7.2	44
79	Functional network connectivity impairments and core cognitive deficits in schizophrenia. Human Brain Mapping, 2019, 40, 4593-4605.	3.6	45
80	Clinical and genetic validity of quantitative bipolarity. Translational Psychiatry, 2019, 9, 228.	4.8	4
81	Evidence for genetic correlation between human cerebral white matter microstructure and inflammation. Human Brain Mapping, 2019, 40, 4180-4191.	3.6	16
82	Toward High Reproducibility and Accountable Heterogeneity in Schizophrenia Research. JAMA Psychiatry, 2019, 76, 680.	11.0	22
83	White matter and hypoxic hypobaria in humans. Human Brain Mapping, 2019, 40, 3165-3173.	3.6	12
84	BMI-related cortical morphometry changes are associated with altered white matter structure. International Journal of Obesity, 2019, 43, 523-532.	3.4	14
85	Cardiovascular risks impact human brain N -acetylaspartate in regionally specific patterns. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25243-25249.	7.1	6
86	A resting state fMRI analysis pipeline for pooling inference across diverse cohorts: an ENIGMA rs-fMRI protocol. Brain Imaging and Behavior, 2019, 13, 1453-1467.	2.1	49
87	Aberrant Frontostriatal Connectivity in Negative Symptoms of Schizophrenia. Schizophrenia Bulletin, 2019, 45, 1051-1059.	4.3	34
88	Reply to: New Meta- and Mega-analyses of Magnetic Resonance Imaging Findings in Schizophrenia: Do They Really Increase Our Knowledge About the Nature of the Disease Process?. Biological Psychiatry, 2019, 85, e35-e39.	1.3	5
89	Subcortical structures and cognitive dysfunction in first episode schizophrenia. Psychiatry Research - Neuroimaging, 2019, 286, 69-75.	1.8	48
90	Genomic kinship construction to enhance genetic analyses in the human connectome project data. Human Brain Mapping, 2019, 40, 1677-1688.	3.6	14

#	Article	IF	Citations
91	Comparing the reproducibility of commonly used magnetic resonance spectroscopy techniques to quantify cerebral glutathione. Journal of Magnetic Resonance Imaging, 2019, 49, 176-183.	3.4	30
92	Resting-State Connectivity Biomarkers of Cognitive Performance and Social Function in Individuals With Schizophrenia Spectrum Disorder and Healthy Control Subjects. Biological Psychiatry, 2018, 84, 665-674.	1.3	64
93	Structural brain abnormalities in the common epilepsies assessed in a worldwide ENIGMA study. Brain, 2018, 141, 391-408.	7.6	352
94	Miniature pig model of human adolescent brain white matter development. Journal of Neuroscience Methods, 2018, 296, 99-108.	2.5	22
95	TMS evoked N100 reflects local GABA and glutamate balance. Brain Stimulation, 2018, 11, 1071-1079.	1.6	36
96	Delta Vs Gamma Auditory Steady State Synchrony in Schizophrenia. Schizophrenia Bulletin, 2018, 44, 378-387.	4.3	28
97	Glutamatergic Response to Heat Pain Stress in Schizophrenia. Schizophrenia Bulletin, 2018, 44, 886-895.	4.3	11
98	Integration of routine QA data into megaâ€analysis may improve quality and sensitivity of multisite diffusion tensor imaging studies. Human Brain Mapping, 2018, 39, 1015-1023.	3.6	20
99	A novel DTI-QA tool: Automated metric extraction exploiting the sphericity of an agar filled phantom. Magnetic Resonance Imaging, 2018, 46, 28-39.	1.8	10
100	Cerebellar-Stimulation Evoked Prefrontal Electrical Synchrony Is Modulated by GABA. Cerebellum, 2018, 17, 550-563.	2.5	25
101	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.	1.3	627
102	Evaluation of the accuracy and precision of the diffusion parameter EStImation with Gibbs and NoisE removal pipeline. NeuroImage, 2018, 183, 532-543.	4.2	123
103	Comparison of heritability estimates on resting state fMRI connectivity phenotypes using the ENIGMA analysis pipeline. Human Brain Mapping, 2018, 39, 4893-4902.	3.6	45
104	Salivary kynurenic acid response to psychological stress: inverse relationship to cortical glutamate in schizophrenia. Neuropsychopharmacology, 2018, 43, 1706-1711.	5.4	24
105	Fast and powerful genome wide association of dense genetic data with high dimensional imaging phenotypes. Nature Communications, 2018, 9, 3254.	12.8	6
106	Miniature pig magnetic resonance spectroscopy model of normal adolescent brain development. Journal of Neuroscience Methods, 2018, 308, 173-182.	2.5	10
107	A longitudinal human phantom reliability study of multi-center T1-weighted, DTI, and resting state fMRI data. Psychiatry Research - Neuroimaging, 2018, 282, 134-142.	1.8	26
108	Heritability estimates on resting state fMRI data using ENIGMA analysis pipeline. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2018, 23, 307-318.	0.7	14

#	Article	IF	Citations
109	ENIGMA and the individual: Predicting factors that affect the brain in 35 countries worldwide. NeuroImage, 2017, 145, 389-408.	4.2	173
110	Novel genetic loci associated with hippocampal volume. Nature Communications, 2017, 8, 13624.	12.8	250
111	Reproducibility of tractâ€based white matter microstructural measures using the <scp>ENIGMA</scp>â€<scp>DTI</scp> protocol. Brain and Behavior, 2017, 7, e00615.	2.2	43
112	Glutamatergic metabolites are associated with visual plasticity in humans. Neuroscience Letters, 2017, 644, 30-36.	2.1	19
113	Allostatic load and reduced cortical thickness in schizophrenia. Psychoneuroendocrinology, 2017, 77, 105-111.	2.7	40
114	Fornix Structural Connectivity and Allostatic Load: Empirical Evidence From Schizophrenia Patients and Healthy Controls. Psychosomatic Medicine, 2017, 79, 770-776.	2.0	26
115	Lipid Metabolism, Abdominal Adiposity, and Cerebral Health in the Amish. Obesity, 2017, 25, 1876-1880.	3.0	8
116	Association of White Matter With Core Cognitive Deficits in Patients With Schizophrenia. JAMA Psychiatry, 2017, 74, 958.	11.0	116
117	ENIGMA-Viewer: interactive visualization strategies for conveying effect sizes in meta-analysis. BMC Bioinformatics, 2017, 18, 253.	2.6	5
118	The role of white matter microstructure in inhibitory deficits in patients with schizophrenia. Brain Stimulation, 2017, 10, 283-290.	1.6	9
119	Altered Glutamate and Regional Cerebral Blood Flow Levels in Schizophrenia: A 1H-MRS and pCASL study. Neuropsychopharmacology, 2017, 42, 562-571.	5.4	46
120	N100 as a generic cortical electrophysiological marker based on decomposition of TMS-evoked potentials across five anatomic locations. Experimental Brain Research, 2017, 235, 69-81.	1.5	46
121	Utilization of MRI for Cerebral White Matter Injury in a Hypobaric Swine Modelâ€"Validation of Technique. Military Medicine, 2017, 182, e1757-e1764.	0.8	5
122	Reproducibility of quantitative structural and physiological <scp>MRI</scp>Âmeasurements. Brain and Behavior, 2017, 7, e00759.	2.2	24
123	Machine Learning for Large-Scale Quality Control of 3D Shape Models in Neuroimaging. Lecture Notes in Computer Science, 2017, 10541, 371-378.	1.3	4
124	ENIGMA-Viewer. , 2016, , .		0
125	White Matter Integrity in High-Altitude Pilots Exposed to Hypobaria. Aerospace Medicine and Human Performance, 2016, 87, 983-988.	0.4	14
126	Heritability of complex white matter diffusion traits assessed in a population isolate. Human Brain Mapping, 2016, 37, 525-535.	3.6	19

#	Article	IF	Citations
127	Genetic analysis of cortical sulci in 1,009 adults. , 2016, , .		5
128	Tryptophan Metabolism and White Matter Integrity in Schizophrenia. Neuropsychopharmacology, 2016, 41, 2587-2595.	5.4	60
129	Novel genetic loci underlying human intracranial volume identified through genome-wide association. Nature Neuroscience, 2016, 19, 1569-1582.	14.8	213
130	Heterochronicity of white matter development and aging explains regional patient control differences in schizophrenia. Human Brain Mapping, 2016, 37, 4673-4688.	3.6	53
131	Diffusion-weighted imaging uncovers likely sources of processing-speed deficits in schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13504-13509.	7.1	43
132	A comprehensive tractography study of patients with bipolar disorder and their unaffected siblings. Human Brain Mapping, 2016, 37, 3474-3485.	3.6	35
133	Frontal Glutamate and Î³-Aminobutyric Acid Levels and Their Associations With Mismatch Negativity and Digit Sequencing Task Performance in Schizophrenia. JAMA Psychiatry, 2016, 73, 166.	11.0	78
134	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.	4.2	29
135	Disrupted glucocorticoidâ€"Immune interactions during stress response in schizophrenia. Psychoneuroendocrinology, 2016, 63, 86-93.	2.7	26
136	Striatal activity and reduced white matter increase frontal activity in youths with family histories of alcohol and other substanceâ€use disorders performing a go/noâ€go task. Brain and Behavior, 2015, 5, e00352.	2.2	6
137	Perfusion shift from white to gray matter may account for processing speed deficits in schizophrenia. Human Brain Mapping, 2015, 36, 3793-3804.	3.6	28
138	Cortisol Reactivity to Stress and Its Association With White Matter Integrity in Adults With Schizophrenia. Psychosomatic Medicine, 2015, 77, 733-742.	2.0	28
139	Genomeâ€wide significant linkage of schizophreniaâ€related neuroanatomical trait to 12q24. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2015, 168, 678-686.	1.7	9
140	Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229.	27.8	772
141	Fast and powerful heritability inference for family-based neuroimaging studies. NeuroImage, 2015, 115, 256-268.	4.2	33
142	Edge-Centered DTI Connectivity Analysis: Application to Schizophrenia. Neuroinformatics, 2015, 13, 501-509.	2.8	5
143	Shared genetic variance between obesity and white matter integrity in Mexican Americans. Frontiers in Genetics, 2015, 6, 26.	2.3	17
144	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

#	Article	IF	Citations
145	Evaluation of Myo-Inositol as a Potential Biomarker for Depression in Schizophrenia. Neuropsychopharmacology, 2015, 40, 2157-2164.	5.4	46
146	Discovering Schizophrenia Endophenotypes in Randomly Ascertained Pedigrees. Biological Psychiatry, 2015, 77, 75-83.	1.3	30
147	Neurodevelopmental and Neurodegenerative Models of Schizophrenia: White Matter at the Center Stage. Schizophrenia Bulletin, 2014, 40, 721-728.	4.3	186
148	Impact of family structure and common environment on heritability estimation for neuroimaging genetics studies using Sequential Oligogenic Linkage Analysis Routines. Journal of Medical Imaging, 2014, 1, 014005.	1.5	12
149	Lower neurocognitive function in U-2 pilots. Neurology, 2014, 83, 638-645.	1.1	21
150	Reproducibility of phase rotation STEAM at 3T: Focus on glutathione. Magnetic Resonance in Medicine, 2014, 72, 603-609.	3.0	46
151	Stress-Induced Increase in Kynurenic Acid as a Potential Biomarker for Patients With Schizophrenia and Distress Intolerance. JAMA Psychiatry, 2014, 71, 761.	11.0	68
152	Familial Aggregation of Tobacco Use Behaviors Among Amish Men. Nicotine and Tobacco Research, 2014, 16, 923-930.	2.6	11
153	Anterior cingulate GABA levels predict whole-brain cerebral blood flow. Neuroscience Letters, 2014, 561, 188-191.	2.1	4
154	Influence of age, sex and genetic factors on the human brain. Brain Imaging and Behavior, 2014, 8, 143-152.	2.1	69
155	Multi-region hemispheric specialization differentiates human from nonhuman primate brain function. Brain Structure and Function, 2014, 219, 2187-2194.	2.3	31
156	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. Brain Imaging and Behavior, 2014, 8, 153-182.	2.1	696
157	Testing trait depression as a potential clinical domain in schizophrenia. Schizophrenia Research, 2014, 159, 243-248.	2.0	30
158	Common genetic variants and gene expression associated with white matter microstructure in the human brain. NeuroImage, 2014, 97, 252-261.	4.2	30
159	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, 136-150.	4.2	127
160	Accelerated white matter aging in schizophrenia: role of white matter blood perfusion. Neurobiology of Aging, 2014, 35, 2411-2418.	3.1	42
161	Multimodal white matter imaging to investigate reduced fractional anisotropy and its age-related decline in schizophrenia. Psychiatry Research - Neuroimaging, 2014, 223, 148-156.	1.8	37
162	Assessment of whole brain white matter integrity in youths and young adults with a family history of substanceâ€use disorders. Human Brain Mapping, 2014, 35, 5401-5413.	3.6	39

#	Article	IF	Citations
163	Combining diffusion tensor imaging and magnetic resonance spectroscopy to study reduced frontal white matter integrity in youths with family histories of substance use disorders. Human Brain Mapping, 2014, 35, 5877-5887.	3.6	26
164	White matter hyperintensities and hypobaric exposure. Annals of Neurology, 2014, 76, 719-726.	5.3	32
165	Hyperglycemic Challenge and Distribution of Adipose Tissue in Obese Baboons. International Journal of Diabetology & Vascular Disease Research, 2014, 2, .	0.2	2
166	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, 19006-19011.	7.1	62
167	Digital reconstruction and morphometric analysis of human brain arterial vasculature from magnetic resonance angiography. NeuroImage, 2013, 82, 170-181.	4.2	88
168	Multi-site genetic analysis of diffusion images and voxelwise heritability analysis: A pilot project of the ENIGMAâ€“DTI working group. NeuroImage, 2013, 81, 455-469.	4.2	354
169	Testing the Hypothesis of Accelerated Cerebral White Matter Aging in Schizophrenia and Major Depression. Biological Psychiatry, 2013, 73, 482-491.	1.3	107
170	Disruption of Anterior Insula Modulation of Large-Scale Brain Networks in Schizophrenia. Biological Psychiatry, 2013, 74, 467-474.	1.3	168
171	White matter hyperintensities on MRI in high-altitude U-2 pilots. Neurology, 2013, 81, 729-735.	1.1	55
172	Reduced White Matter Integrity in Sibling Pairs Discordant for Bipolar Disorder. American Journal of Psychiatry, 2013, 170, 1317-1325.	7.2	46
173	Brain Circuits That Link Schizophrenia to High Risk of Cigarette Smoking. Schizophrenia Bulletin, 2013, 39, 1373-1381.	4.3	36
174	Sulcal Depth-Position Profile Is a Genetically Mediated Neuroscientific Trait: Description and Characterization in the Central Sulcus. Journal of Neuroscience, 2013, 33, 15618-15625.	3.6	33
175	Acute nicotine administration effects on fractional anisotropy of cerebral white matter and associated attention performance. Frontiers in Pharmacology, 2013, 4, 117.	3.5	31
176	Genetic Contributions to the Midsagittal Area of the Corpus Callosum. Twin Research and Human Genetics, 2012, 15, 315-323.	0.6	18
177	Hyperintense White Matter Lesions in 50 High-Altitude Pilots With Neurologic Decompression Sickness. Aviation, Space, and Environmental Medicine, 2012, 83, 1117-1122.	0.5	30
178	Identification of common variants associated with human hippocampal and intracranial volumes. Nature Genetics, 2012, 44, 552-561.	21.4	594
179	High Dimensional Endophenotype Ranking in the Search for Major Depression Risk Genes. Biological Psychiatry, 2012, 71, 6-14.	1.3	170
180	Measuring and comparing brain cortical surface area and other areal quantities. NeuroImage, 2012, 61, 1428-1443.	4.2	157

#	Article	IF	Citations
181	A Library of Cortical Morphology Analysis Tools to Study Development, Aging and Genetics of Cerebral Cortex. Neuroinformatics, 2012, 10, 81-96.	2.8	43
182	Fractional anisotropy of cerebral white matter and thickness of cortical gray matter across the lifespan. NeuroImage, 2011, 58, 41-49.	4.2	139
183	Genetic Analysis of Cortical Thickness and Fractional Anisotropy of Water Diffusion in the Brain. Frontiers in Neuroscience, 2011, 5, 120.	2.8	52
184	Processing Speed Mediates the Development of General Intelligence (g) in Adolescence. Psychological Science, 2011, 22, 1265-1269.	3.3	74
185	Blood Pressure and Cerebral White Matter Share Common Genetic Factors in Mexican Americans. Hypertension, 2011, 57, 330-335.	2.7	37
186	Anatomical Global Spatial Normalization. Neuroinformatics, 2010, 8, 171-182.	2.8	69
187	Mapping primary gyrogenesis. High-resolution in utero structural MRI study of fetal brain development in pregnant baboons. Frontiers in Neuroscience, 2010, 4, 20.	2.8	37
188	A Multimodal Assessment of the Genetic Control over Working Memory. Journal of Neuroscience, 2010, 30, 8197-8202.	3.6	70
189	Whole Brain and Regional Hyperintense White Matter Volume and Blood Pressure. Stroke, 2010, 41, 2137-2142.	2.0	44
190	On the genetic architecture of cortical folding and brain volume in primates. NeuroImage, 2010, 53, 1103-1108.	4.2	126
191	Development of structural MR brain imaging protocols to study genetics and maturation. Methods, 2010, 50, 136-146.	3.8	24
192	Cortical thickness or grey matter volume? The importance of selecting the phenotype for imaging genetics studies. NeuroImage, 2010, 53, 1135-1146.	4.2	993
193	Fetal brain during a binge drinking episode: a dynamic susceptibility contrast MRI fetal brain perfusion study. NeuroReport, 2010, 21, 716-721.	1.2	16
194	Analysis of Genetic Variability and Whole Genome Linkage of Whole-Brain, Subcortical, and Ependymal Hyperintense White Matter Volume. Stroke, 2009, 40, 3685-3690.	2.0	52
195	Can structural MRI indices of cerebral integrity track cognitive trends in executive control function during normal maturation and adulthood?. Human Brain Mapping, 2009, 30, 2581-2594.	3.6	60
196	Relationship among neuroimaging indices of cerebral health during normal aging. Human Brain Mapping, 2008, 29, 36-45.	3.6	94
197	The Central Sulcus: an Observer-Independent Characterization of Sulcal Landmarks and Depth Asymmetry. Cerebral Cortex, 2008, 18, 1999-2009.	2.9	82
198	Akt/cAMP-Responsive Element Binding Protein/Cyclin D1 Network: A Novel Target for Prostate Cancer Inhibition in Transgenic Adenocarcinoma of Mouse Prostate Model Mediated by Nexrutine, a Phellodendron Amurense Bark Extract. Clinical Cancer Research, 2007, 13, 2784-2794.	7.0	91

#	Article	IF	Citations
199	Heritability of brain volume, surface area and shape: An MRI study in an extended pedigree of baboons. Human Brain Mapping, 2007, 28, 576-583.	3.6	89
200	Cortical sulci and bipolar disorder. NeuroReport, 2006, 17, 1739-1742.	1.2	15
201	Intensity modulation of TMS-induced cortical excitation: Primary motor cortex. Human Brain Mapping, 2006, 27, 478-487.	3.6	56
202	Retrospective motion correction protocol for high-resolution anatomical MRI. Human Brain Mapping, 2006, 27, 957-962.	3.6	84
203	Structural brain changes in bipolar disorder using deformation field morphometry. NeuroReport, 2005, 16, 541-544.	1.2	47
204	Mapping structural differences of the corpus callosum in individuals with 18q deletions using targetless regional spatial normalization. Human Brain Mapping, 2005, 24, 325-331.	3.6	35
205	A comparison of label-based review and ALE meta-analysis in the Stroop task. Human Brain Mapping, 2005, 25, 6-21.	3.6	301
206	ALE meta-analysis: Controlling the false discovery rate and performing statistical contrasts. Human Brain Mapping, 2005, 25, 155-164.	3.6	814
207	Age-related morphology trends of cortical sulci. Human Brain Mapping, 2005, 26, 210-220.	3.6	188
208	Column-based model of electric field excitation of cerebral cortex. Human Brain Mapping, 2004, 22, 1-14.	3.6	208
209	Asymmetry of the brain surface from deformation field analysis. Human Brain Mapping, 2003, 19, 79-89.	3.6	38
210	Regional Spatial Normalization: Toward an Optimal Target. Journal of Computer Assisted Tomography, 2001, 25, 805-816.	0.9	178
211	Automated Talairach Atlas labels for functional brain mapping. Human Brain Mapping, 2000, 10, 120-131.	3.6	3,089
212	Accurate High-Speed Spatial Normalization Using an Octree Method. NeuroImage, 1999, 10, 724-737.	4.2	30
213	Modeling multivariate ageâ€related imaging variables with dependencies. Statistics in Medicine, 0, , .	1.6	0