

# Robert W Mccarley

## List of Publications by Year in descending order

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483  
papers

56,626  
citations

1463

107  
h-index

1634

215  
g-index

489  
all docs

489  
docs citations

489  
times ranked

35274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological insights from 108 schizophrenia-associated genetic loci. <i>Nature</i> , 2014, 511, 421-427.	27.8	6,934
2	A review of MRI findings in schizophrenia. <i>Schizophrenia Research</i> , 2001, 49, 1-52.	2.0	2,143
3	Sleep cycle oscillation: reciprocal discharge by two brainstem neuronal groups. <i>Science</i> , 1975, 189, 55-58.	12.6	1,311
4	Hyperactivity and hyperconnectivity of the default network in schizophrenia and in first-degree relatives of persons with schizophrenia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1279-1284.	7.1	1,258
5	Abnormalities of the Left Temporal Lobe and Thought Disorder in Schizophrenia. <i>New England Journal of Medicine</i> , 1992, 327, 604-612.	27.0	1,141
6	Adenosine: A Mediator of the Sleep-Inducing Effects of Prolonged Wakefulness. <i>Science</i> , 1997, 276, 1265-1268.	12.6	1,120
7	Control of Sleep and Wakefulness. <i>Physiological Reviews</i> , 2012, 92, 1087-1187.	28.8	1,089
8	Activation of Ventrolateral Preoptic Neurons During Sleep. <i>Science</i> , 1996, 271, 216-219.	12.6	1,074
9	Contribution of copy number variants to schizophrenia from a genome-wide study of 41,321 subjects. <i>Nature Genetics</i> , 2017, 49, 27-35.	21.4	838
10	Magnetic resonance imaging study of hippocampal volume in chronic, combat-related posttraumatic stress disorder. <i>Biological Psychiatry</i> , 1996, 40, 1091-1099.	1.3	797
11	A review of diffusion tensor imaging studies in schizophrenia. <i>Journal of Psychiatric Research</i> , 2007, 41, 15-30.	3.1	686
12	MRI anatomy of schizophrenia. <i>Biological Psychiatry</i> , 1999, 45, 1099-1119.	1.3	656
13	Neuronal excitability modulation over the sleep cycle: a structural and mathematical model. <i>Science</i> , 1975, 189, 58-60.	12.6	648
14	Brainstem Control of Wakefulness and Sleep. , 1990, , .		631
15	Abnormal Neural Synchrony in Schizophrenia. <i>Journal of Neuroscience</i> , 2003, 23, 7407-7411.	3.6	618
16	Gamma Frequency Range Abnormalities to Auditory Stimulation in Schizophrenia. <i>Archives of General Psychiatry</i> , 1999, 56, 1001.	12.3	584
17	Neural synchrony indexes disordered perception and cognition in schizophrenia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17288-17293.	7.1	577
18	Adenosine and sleep-wake regulation. <i>Progress in Neurobiology</i> , 2004, 73, 379-396.	5.7	515

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19	Neurobiology of REM and NREM sleep. <i>Sleep Medicine</i> , 2007, 8, 302-330.	1.6	479
20	Uncinate Fasciculus Findings in Schizophrenia: A Magnetic Resonance Diffusion Tensor Imaging Study. <i>American Journal of Psychiatry</i> , 2002, 159, 813-820.	7.2	453
21	NMDA-dependent modulation of CA1 local circuit inhibition. <i>Journal of Neuroscience</i> , 1996, 16, 2034-2043.	3.6	449
22	Brain site-specificity of extracellular adenosine concentration changes during sleep deprivation and spontaneous sleep: an in vivo microdialysis study. <i>Neuroscience</i> , 2000, 99, 507-517.	2.3	419
23	Adenosine inhibition of mesopontine cholinergic neurons: implications for EEG arousal. <i>Science</i> , 1994, 263, 689-692.	12.6	410
24	DTI and MTR abnormalities in schizophrenia: Analysis of white matter integrity. <i>NeuroImage</i> , 2005, 26, 1109-1118.	4.2	399
25	Auditory P300 Abnormalities and Left Posterior Superior Temporal Gyrus Volume Reduction in Schizophrenia. <i>Archives of General Psychiatry</i> , 1993, 50, 190.	12.3	384
26	Cingulate fasciculus integrity disruption in schizophrenia: a magnetic resonance diffusion tensor imaging study. <i>Biological Psychiatry</i> , 2003, 54, 1171-1180.	1.3	377
27	Progressive Decrease of Left Superior Temporal Gyrus Gray Matter Volume in Patients With First-Episode Schizophrenia. <i>American Journal of Psychiatry</i> , 2003, 160, 156-164.	7.2	370
28	Middle and Inferior Temporal Gyrus Gray Matter Volume Abnormalities in Chronic Schizophrenia: An MRI Study. <i>American Journal of Psychiatry</i> , 2004, 161, 1603-1611.	7.2	352
29	Site-specific enhancement and suppression of desynchronized sleep signs following cholinergic stimulation of three brainstem regions. <i>Brain Research</i> , 1984, 306, 39-52.	2.2	347
30	Progressive and Interrelated Functional and Structural Evidence of Post-Onset Brain Reduction in Schizophrenia. <i>Archives of General Psychiatry</i> , 2007, 64, 521.	12.3	345
31	Progressive Decrease of Left Heschl Gyrus and Planum Temporale Gray Matter Volume in First-Episode Schizophrenia. <i>Archives of General Psychiatry</i> , 2003, 60, 766.	12.3	337
32	Adenosinergic modulation of basal forebrain and preoptic/anterior hypothalamic neuronal activity in the control of behavioral state. <i>Behavioural Brain Research</i> , 2000, 115, 183-204.	2.2	335
33	Voxel-Based Morphometric Analysis of Gray Matter in First Episode Schizophrenia. <i>NeuroImage</i> , 2002, 17, 1711-1719.	4.2	329
34	Serotonin hyperpolarizes cholinergic low-threshold burst neurons in the rat laterodorsal tegmental nucleus in vitro.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 743-747.	7.1	308
35	Lower Left Temporal Lobe MRI Volumes in Patients With First-Episode Schizophrenia Compared With Psychotic Patients With First-Episode Affective Disorder and Normal Subjects. <i>American Journal of Psychiatry</i> , 1998, 155, 1384-1391.	7.2	302
36	$\hat{1}$ 3-Band Auditory Steady-State Responses Are Impaired in First Episode Psychosis. <i>Biological Psychiatry</i> , 2008, 64, 369-375.	1.3	290

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37	White matter hemisphere asymmetries in healthy subjects and in schizophrenia: a diffusion tensor MRI study. <i>NeuroImage</i> , 2004, 23, 213-223.	4.2	284
38	Role of adenosine in behavioral state modulation: a microdialysis study in the freely moving cat. <i>Neuroscience</i> , 1997, 79, 225-235.	2.3	280
39	Excessive Extracellular Volume Reveals a Neurodegenerative Pattern in Schizophrenia Onset. <i>Journal of Neuroscience</i> , 2012, 32, 17365-17372.	3.6	259
40	Mismatch Negativity in Chronic Schizophrenia and First-Episode Schizophrenia. <i>Archives of General Psychiatry</i> , 2002, 59, 686.	12.3	256
41	Planum Temporale and Heschl Gyrus Volume Reduction in Schizophrenia: A Magnetic Resonance Imaging Study of First-Episode Patients. <i>Archives of General Psychiatry</i> , 2000, 57, 692-699.	12.3	248
42	Cortically projecting basal forebrain parvalbumin neurons regulate cortical gamma band oscillations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3535-3540.	7.1	246
43	Event-related potentials in schizophrenia: their biological and clinical correlates and new model of schizophrenic pathophysiology. <i>Schizophrenia Research</i> , 1991, 4, 209-231.	2.0	238
44	Cholinergic projections from the laterodorsal and pedunculo-pontine tegmental nuclei to the pontine gigantocellular tegmental field in the cat. <i>Brain Research</i> , 1988, 451, 397-402.	2.2	237
45	Human cerebral potentials associated with REM sleep rapid eye movements: links to PGO waves and waking potentials. <i>Brain Research</i> , 1983, 274, 359-364.	2.2	231
46	Routine quantitative analysis of brain and cerebrospinal fluid spaces with MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1992, 2, 619-629.	3.4	224
47	A neuroanatomical gradient in the pontine tegmentum for the cholinceptive induction of desynchronized sleep signs. <i>Brain Research</i> , 1987, 414, 245-261.	2.2	220
48	A Pharmacological Model for Psychosis Based on N-methyl-D-aspartate Receptor Hypofunction: Molecular, Cellular, Functional and Behavioral Abnormalities. <i>Biological Psychiatry</i> , 2006, 59, 721-729.	1.3	219
49	Left auditory cortex gamma synchronization and auditory hallucination symptoms in schizophrenia. <i>BMC Neuroscience</i> , 2009, 10, 85.	1.9	219
50	Sleep and Brain Energy Levels: ATP Changes during Sleep. <i>Journal of Neuroscience</i> , 2010, 30, 9007-9016.	3.6	213
51	Behavioral state-related changes of extracellular serotonin concentration in the dorsal raphe nucleus: a microdialysis study in the freely moving cat. <i>Brain Research</i> , 1994, 648, 306-312.	2.2	205
52	Brainstem neuromodulation and REM sleep. <i>Seminars in Neuroscience</i> , 1995, 7, 341-354.	2.2	196
53	Spatial normalization of diffusion tensor MRI using multiple channels. <i>NeuroImage</i> , 2003, 20, 1995-2009.	4.2	194
54	Behavioral State Control through Differential Serotonergic Inhibition in the Mesopontine Cholinergic Nuclei: A Simultaneous Unit Recording and Microdialysis Study. <i>Journal of Neuroscience</i> , 1998, 18, 5490-5497.	3.6	191

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55	The time-course of dorsal raphe discharge, PGO waves, and muscle tone averaged across multiple sleep cycles. <i>Brain Research</i> , 1983, 274, 365-370.	2.2	189
56	Sleep cycle control and cholinergic mechanisms: Differential effects of carbachol injections at pontine brain stem sites. <i>Brain Research</i> , 1975, 98, 501-515.	2.2	187
57	Hippocampal synaptic plasticity and spatial learning are impaired in a rat model of sleep fragmentation. <i>European Journal of Neuroscience</i> , 2006, 23, 2739-2748.	2.6	185
58	Sensory-Evoked Gamma Oscillations in Chronic Schizophrenia. <i>Biological Psychiatry</i> , 2008, 63, 744-747.	1.3	175
59	First-Episode Schizophrenic Psychosis Differs From First-Episode Affective Psychosis and Controls in P300 Amplitude Over Left Temporal Lobe. <i>Archives of General Psychiatry</i> , 1998, 55, 173.	12.3	173
60	Left Planum Temporale Volume Reduction in Schizophrenia. <i>Archives of General Psychiatry</i> , 1999, 56, 142.	12.3	172
61	Presynaptic Nicotinic Receptors Facilitate Monoaminergic Transmission. <i>Journal of Neuroscience</i> , 1998, 18, 1904-1912.	3.6	170
62	Prefrontal cortex, negative symptoms, and schizophrenia: an MRI study. <i>Psychiatry Research - Neuroimaging</i> , 2001, 108, 65-78.	1.8	170
63	Association Between Smaller Left Posterior Superior Temporal Gyrus Volume on Magnetic Resonance Imaging and Smaller Left Temporal P300 Amplitude in First-Episode Schizophrenia. <i>Archives of General Psychiatry</i> , 2002, 59, 321.	12.3	170
64	Corpus Callosum Abnormalities and Their Association with Psychotic Symptoms in Patients with Schizophrenia. <i>Biological Psychiatry</i> , 2010, 68, 70-77.	1.3	169
65	Ponto-geniculo-occipital (PGO) burst neurons: correlative evidence for neuronal generators of PGO waves. <i>Science</i> , 1978, 201, 269-272.	12.6	163
66	$\alpha 1$ Receptor and Adenosinergic Homeostatic Regulation of Sleep-Wakefulness: Effects of Antisense to the $\alpha 1$ Receptor in the Cholinergic Basal Forebrain. <i>Journal of Neuroscience</i> , 2003, 23, 4278-4287.	3.6	163
67	Chronic low-amplitude electrical stimulation of the laterodorsal tegmental nucleus of freely moving cats increases REM sleep. <i>Brain Research</i> , 1996, 723, 223-227.	2.2	161
68	Volumetric Evaluation of the Thalamus in Schizophrenic Male Patients Using Magnetic Resonance Imaging. <i>Biological Psychiatry</i> , 1998, 43, 649-659.	1.3	161
69	Caudate, putamen, and globus pallidus volume in schizophrenia: A quantitative MRI study. <i>Psychiatry Research - Neuroimaging</i> , 1995, 61, 209-229.	1.8	160
70	Fornix Integrity and Hippocampal Volume in Male Schizophrenic Patients. <i>Biological Psychiatry</i> , 2006, 60, 22-31.	1.3	160
71	A Cross-Sectional and Longitudinal Magnetic Resonance Imaging Study of Cingulate Gyrus Gray Matter Volume Abnormalities in First-Episode Schizophrenia and First-Episode Affective Psychosis. <i>Archives of General Psychiatry</i> , 2008, 65, 746.	12.3	160
72	Extensive white matter abnormalities in patients with first-episode schizophrenia: A diffusion tensor imaging (DTI) study. <i>Schizophrenia Research</i> , 2013, 143, 231-238.	2.0	160

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73	Orbitofrontal volume deficit in schizophrenia and thought disorder. <i>Brain</i> , 2007, 131, 180-195.	7.6	159
74	Differences and Similarities in Insular and Temporal Pole MRI Gray Matter Volume Abnormalities in First-Episode Schizophrenia and Affective Psychosis. <i>Archives of General Psychiatry</i> , 2003, 60, 1069.	12.3	154
75	Functions and Mechanisms of Sleep. <i>AIMS Neuroscience</i> , 2016, 3, 67-104.	2.3	153
76	Eye movement-associated discharge in brain stem neurons during desynchronized sleep. <i>Brain Research</i> , 1977, 121, 59-76.	2.2	150
77	Long-range synchrony of gamma oscillations and auditory hallucination symptoms in schizophrenia. <i>International Journal of Psychophysiology</i> , 2011, 79, 55-63.	1.0	149
78	The auditory N2 component in schizophrenia: Relationship to MRI temporal lobe gray matter and to other ERP abnormalities. <i>Biological Psychiatry</i> , 1993, 34, 26-40.	1.3	148
79	Neocortical Gray Matter Volume in First-Episode Schizophrenia and First-Episode Affective Psychosis: A Cross-Sectional and Longitudinal MRI Study. <i>Biological Psychiatry</i> , 2007, 62, 773-783.	1.3	148
80	MRI Study of Cavum Septi Pellucidi in Schizophrenia, Affective Disorder, and Schizotypal Personality Disorder. <i>American Journal of Psychiatry</i> , 1998, 155, 509-515.	7.2	146
81	Fusiform Gyrus Volume Reduction in First-Episode Schizophrenia. <i>Archives of General Psychiatry</i> , 2002, 59, 775.	12.3	144
82	MRI Study of Caudate Nucleus Volume and Its Cognitive Correlates in Neuroleptic-Naive Patients With Schizotypal Personality Disorder. <i>American Journal of Psychiatry</i> , 2002, 159, 1190-1197.	7.2	142
83	On evaluating brain tissue classifiers without a ground truth. <i>NeuroImage</i> , 2007, 36, 1207-1224.	4.2	137
84	Altered topography of EEG spectral content in schizophrenia. <i>Electroencephalography and Clinical Neurophysiology</i> , 1983, 56, 263-271.	0.3	135
85	An Automated Registration Algorithm for Measuring MRI Subcortical Brain Structures. <i>NeuroImage</i> , 1997, 6, 13-25.	4.2	134
86	P300 topography differs in schizophrenia and manic psychosis. <i>Biological Psychiatry</i> , 1999, 45, 98-106.	1.3	133
87	Fusiform Gyrus Volume Reduction and Facial Recognition in Chronic Schizophrenia. <i>Archives of General Psychiatry</i> , 2003, 60, 349.	12.3	133
88	Cortical Unit Activity in Desynchronized Sleep. <i>Science</i> , 1970, 167, 901-903.	12.6	131
89	Single Neuron Activity in Cat Gigantocellular Tegmental Field: Selectivity of Discharge in Desynchronized Sleep. <i>Science</i> , 1971, 174, 1250-1252.	12.6	130
90	Longitudinal loss of gray matter volume in patients with first-episode schizophrenia: DARTEL automated analysis and ROI validation. <i>NeuroImage</i> , 2012, 59, 986-996.	4.2	129

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91	CT Abnormalities in Schizophrenia. Archives of General Psychiatry, 1989, 46, 698.	12.3	127
92	Schizotypal personality disorder and MRI abnormalities of temporal lobe gray matter. Biological Psychiatry, 1999, 45, 1393-1402.	1.3	127
93	Prefrontal Gray Matter Volume Reduction in First Episode Schizophrenia. Cerebral Cortex, 2001, 11, 374-381.	2.9	126
94	Neuropsychological dysfunction in schizotypal personality disorder: A profile analysis. Biological Psychiatry, 1997, 41, 530-540.	1.3	124
95	Electrical stimulation of the cholinergic laterodorsal tegmental nucleus elicits scopolamine-sensitive excitatory postsynaptic potentials in medial pontine reticular formation neurons. Neuroscience, 1996, 74, 393-401.	2.3	123
96	Diffusion Tensor Imaging and Its Application to Neuropsychiatric Disorders. Harvard Review of Psychiatry, 2002, 10, 324-336.	2.1	121
97	Amygdala and hippocampal shape differences in schizophrenia: the application of 3D shape models to volumetric MR data. Psychiatry Research - Neuroimaging, 2002, 115, 15-35.	1.8	121
98	Evidence for white matter abnormalities in schizophrenia. Current Opinion in Psychiatry, 2005, 18, 121-134.	6.3	121
99	Time course of Fos-like immunoreactivity associated with cholinergically induced REM sleep. Journal of Neuroscience, 1995, 15, 3500-3508.	3.6	120
100	Neuropsychological Correlates of Diffusion Tensor Imaging in Schizophrenia.. Neuropsychology, 2004, 18, 629-637.	1.3	119
101	Middle and Inferior Temporal Gyrus Gray Matter Volume Abnormalities in First-Episode Schizophrenia: An MRI Study. American Journal of Psychiatry, 2006, 163, 2103-2110.	7.2	119
102	Estimation of Genetic Correlation via Linkage Disequilibrium Score Regression and Genomic Restricted Maximum Likelihood. American Journal of Human Genetics, 2018, 102, 1185-1194.	6.2	119
103	Pontine cholinergic neurons show Fos-like immunoreactivity associated with cholinergically induced REM sleep. Molecular Brain Research, 1996, 38, 77-84.	2.3	117
104	Abnormal Angular Gyrus Asymmetry in Schizophrenia. American Journal of Psychiatry, 2000, 157, 428-437.	7.2	117
105	Voxel-based Morphometric Multisite Collaborative Study on Schizophrenia. Schizophrenia Bulletin, 2009, 35, 82-95.	4.3	117
106	White matter abnormalities across the lifespan of schizophrenia: a harmonized multi-site diffusion MRI study. Molecular Psychiatry, 2020, 25, 3208-3219.	7.9	115
107	Auditory Mismatch Negativity in Schizophrenia: Topographic Evaluation With a High-Density Recording Montage. American Journal of Psychiatry, 1998, 155, 1281-1284.	7.2	114
108	Correlations between abnormal auditory P300 topography and positive symptoms in schizophrenia: A preliminary report. Biological Psychiatry, 1989, 25, 710-716.	1.3	113

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109	REM-enhancing effects of the adrenergic antagonist idazoxan infused into the medial pontine reticular formation of the freely moving cat. <i>Brain Research</i> , 1994, 634, 333-338.	2.2	112
110	Aminergic neurons: State control and plasticity in three model systems. <i>Cellular and Molecular Neurobiology</i> , 1981, 1, 123-166.	3.3	110
111	Fronto-temporal Disconnectivity in Schizotypal Personality Disorder: A Diffusion Tensor Imaging Study. <i>Biological Psychiatry</i> , 2005, 58, 468-478.	1.3	110
112	Aberrant semantic activation in schizophrenia: a neurophysiological study. <i>American Journal of Psychiatry</i> , 1997, 154, 640-646.	7.2	109
113	Functional and Structural Deficits in Brain Regions Subserving Face Perception in Schizophrenia. <i>American Journal of Psychiatry</i> , 2006, 163, 455-462.	7.2	109
114	Cortical unit activity in sleep and waking. <i>Electroencephalography and Clinical Neurophysiology</i> , 1971, 30, 97-112.	0.3	108
115	Time course of discharge rate changes by cat pontine brain stem neurons during sleep cycle.. <i>Journal of Neurophysiology</i> , 1974, 37, 1297-1309.	1.8	108
116	Neuropsychological probes of fronto-limbic system dysfunction in schizophrenia. <i>Schizophrenia Research</i> , 1991, 6, 55-65.	2.0	107
117	The Brain in Schizotypal Personality Disorder: A Review of Structural MRI and CT Findings. <i>Harvard Review of Psychiatry</i> , 2002, 10, 1-15.	2.1	106
118	Cholinergic Neurons in the Basal Forebrain Promote Wakefulness by Actions on Neighboring Non-Cholinergic Neurons: An Opto-Dialysis Study. <i>Journal of Neuroscience</i> , 2016, 36, 2057-2067.	3.6	106
119	Gamma band oscillations. <i>Current Opinion in Psychiatry</i> , 2016, 29, 202-210.	6.3	105
120	Alterations in membrane potential and excitability of cat medial pontine reticular formation neurons during changes in naturally occurring sleep-wake states. <i>Brain Research</i> , 1984, 292, 169-175.	2.2	104
121	Sleep fragmentation elevates behavioral, electrographic and neurochemical measures of sleepiness. <i>Neuroscience</i> , 2007, 146, 1462-1473.	2.3	103
122	A Comparison of Ten Polygenic Score Methods for Psychiatric Disorders Applied Across Multiple Cohorts. <i>Biological Psychiatry</i> , 2021, 90, 611-620.	1.3	103
123	Discharge patterns of cat pontine brain stem neurons during desynchronized sleep. <i>Journal of Neurophysiology</i> , 1975, 38, 751-766.	1.8	102
124	Adenosine and behavioral state control: adenosine increases c-Fos protein and AP1 binding in basal forebrain of rats. <i>Molecular Brain Research</i> , 1999, 73, 1-10.	2.3	101
125	Reduced interhemispheric connectivity in schizophrenia-tractography based segmentation of the corpus callosum. <i>Schizophrenia Research</i> , 2008, 106, 125-131.	2.0	101
126	An MRI study of temporal lobe abnormalities and negative symptoms in chronic schizophrenia. <i>Schizophrenia Research</i> , 2002, 58, 123-134.	2.0	100



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127	Chronic sleep restriction elevates brain interleukin-1 beta and tumor necrosis factor-alpha and attenuates brain-derived neurotrophic factor expression. <i>Neuroscience Letters</i> , 2014, 580, 27-31.	2.1	100
128	Spontaneous discharge rates of cat cerebellar purkinje cells in sleep and waking. <i>Electroencephalography and Clinical Neurophysiology</i> , 1972, 33, 457-469.	0.3	99
129	Carbachol triggering of desynchronized sleep phenomena: Enhancement via small volume infusions. <i>Brain Research</i> , 1980, 191, 215-224.	2.2	99
130	Adenosine inhibits basal forebrain cholinergic and noncholinergic neurons in vitro. <i>Neuroscience</i> , 2006, 140, 403-413.	2.3	99
131	Attentional networks and cingulum bundle in chronic schizophrenia†. <i>Schizophrenia Research</i> , 2007, 90, 308-315.	2.0	99
132	A Hierarchical Algorithm for MR Brain Image Parcellation. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 1201-1212.	8.9	97
133	White Matter Microstructure in Individuals at Clinical High Risk of Psychosis: A Whole-Brain Diffusion Tensor Imaging Study. <i>Schizophrenia Bulletin</i> , 2014, 40, 895-903.	4.3	97
134	P300 in schizophrenia: Confirmation and statistical validation of temporal region deficit in P300 topography. <i>Biological Psychiatry</i> , 1988, 23, 776-790.	1.3	95
135	Altered orbitofrontal sulcogyral pattern in schizophrenia. <i>Brain</i> , 2007, 130, 693-707.	7.6	95
136	A Functional Magnetic Resonance Imaging Study of Auditory Mismatch in Schizophrenia. <i>American Journal of Psychiatry</i> , 2001, 158, 938-943.	7.2	94
137	Temporal lobe sulco-gyral pattern anomalies in schizophrenia: an in vivo MR three-dimensional surface rendering study. <i>Neuroscience Letters</i> , 1994, 182, 7-12.	2.1	93
138	An fMRI study of semantic processing in men with schizophrenia. <i>NeuroImage</i> , 2003, 20, 1923-1933.	4.2	93
139	The NoGo P300 "anteriorization"™ effect and response inhibition. <i>Clinical Neurophysiology</i> , 2004, 115, 1550-1558.	1.5	93
140	Location and spike-train characteristics of cells in anterodorsal pons having selective decreases in firing rate during desynchronized sleep. <i>Journal of Neurophysiology</i> , 1983, 50, 770-783.	1.8	91
141	Cholinergic activation of medial pontine reticular formation neurons in vitro. <i>Brain Research</i> , 1989, 476, 154-159.	2.2	91
142	Button-pressing affects P300 amplitude and scalp topography. <i>Clinical Neurophysiology</i> , 2001, 112, 1676-1684.	1.5	91
143	Reductions in the N1 and P2 Auditory Event-Related Potentials in First-Hospitalized and Chronic Schizophrenia. <i>Schizophrenia Bulletin</i> , 2010, 36, 991-1000.	4.3	91
144	Gray matter volume reduction in rostral middle frontal gyrus in patients with chronic schizophrenia. <i>Schizophrenia Research</i> , 2010, 123, 153-159.	2.0	91

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145	Experimental sleep fragmentation and sleep deprivation in rats increases exploration in an open field test of anxiety while increasing plasma corticosterone levels. <i>Behavioural Brain Research</i> , 2009, 197, 450-453.	2.2	90
146	Glycine-mediated inhibitory postsynaptic potentials in the medial pontine reticular formation of the rat in vitro. <i>Neuroscience</i> , 1996, 73, 791-796.	2.3	89
147	Adenosine, prolonged wakefulness, and A1-activated NF- $\kappa$ B DNA binding in the basal forebrain of the rat. <i>Neuroscience</i> , 2001, 104, 731-739.	2.3	89
148	Adenosinergic inhibition of basal forebrain wakefulness-active neurons: a simultaneous unit recording and microdialysis study in freely behaving cats. <i>Neuroscience</i> , 2003, 122, 1107-1113.	2.3	89
149	White matter tract abnormalities between rostral middle frontal gyrus, inferior frontal gyrus and striatum in first-episode schizophrenia. <i>Schizophrenia Research</i> , 2013, 145, 1-10.	2.0	89
150	Topographic abnormalities of P3 in schizotypal personality disorder. <i>Biological Psychiatry</i> , 1996, 40, 165-172.	1.3	88
151	Extracellular histamine levels in the feline preoptic/anterior hypothalamic area during natural sleep and wakefulness and prolonged wakefulness: An in vivo microdialysis study. <i>Neuroscience</i> , 2002, 113, 663-670.	2.3	87
152	Diffusion tractography of the fornix in schizophrenia. <i>Schizophrenia Research</i> , 2009, 107, 39-46.	2.0	86
153	Gamma Oscillation Deficits and the Onset and Early Progression of Schizophrenia. <i>Harvard Review of Psychiatry</i> , 2010, 18, 173-189.	2.1	86
154	Using the logarithm of odds to define a vector space on probabilistic atlases. <i>Medical Image Analysis</i> , 2007, 11, 465-477.	11.6	85
155	Impact of Ketamine on Neuronal Network Dynamics: Translational Modeling of Schizophrenia-Relevant Deficits. <i>CNS Neuroscience and Therapeutics</i> , 2013, 19, 437-447.	3.9	85
156	Opposite changes in adenosine A1 and A2A receptor mRNA in the rat following sleep deprivation. <i>NeuroReport</i> , 2001, 12, 1577-1580.	1.2	84
157	The Application of DTI to Investigate White Matter Abnormalities in Schizophrenia. <i>Annals of the New York Academy of Sciences</i> , 2005, 1064, 134-148.	3.8	84
158	Age-related deficits in fronto-temporal connections in schizophrenia: A diffusion tensor imaging study. <i>Schizophrenia Research</i> , 2008, 102, 181-188.	2.0	84
159	Thalamo-frontal white matter alterations in chronic schizophrenia. <i>Human Brain Mapping</i> , 2009, 30, 3812-3825.	3.6	83
160	Single-trial coupling of the gamma-band response and the corresponding BOLD signal. <i>NeuroImage</i> , 2010, 49, 2238-2247.	4.2	83
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