Joseph H Callicott

List of Publications by Year
in descending order

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114 papers	24,229 citations	13068 68 h-index	22764 112 g-index
114 all docs	114 docs citations	114 times ranked	19378 citing authors

#	Article	IF	Citations
1	Neanderthal-Derived Genetic Variation is Associated with Functional Connectivity in the Brains of Living Humans. Brain Connectivity, 2021, 11, 38-44.	0.8	10
2	KCNH2-3.1 mediates aberrant complement activation and impaired hippocampal-medial prefrontal circuitry associated with working memory deficits. Molecular Psychiatry, 2020, 25, 206-229.	4.1	13
3	Sequence Variation Associated with SLC12A5 Gene Expression Is Linked to Brain Structure and Function in Healthy Adults. Cerebral Cortex, 2019, 29, 4654-4661.	1.6	7
4	T87. THE EFFECT OF THE TRKB POLYMORPHISM AND URBAN UPBRINGING ON HIPPOCAMPAL COUPLING DURING EPISODIC MEMORY. Schizophrenia Bulletin, 2019, 45, S237-S237.	2.3	0
5	Association of a Schizophrenia-Risk Nonsynonymous Variant With Putamen Volume in Adolescents. JAMA Psychiatry, 2019, 76, 435.	6.0	51
6	Schizophrenia polygenic risk score predicts mnemonic hippocampal activity. Brain, 2018, 141, 1218-1228.	3.7	36
7	Attacking Heterogeneity in Schizophrenia by Deriving Clinical Subgroups From Widely Available Symptom Data. Schizophrenia Bulletin, 2018, 44, 101-113.	2.3	41
8	Interaction of childhood urbanicity and variation in dopamine genes alters adult prefrontal function as measured by functional magnetic resonance imaging (fMRI). PLoS ONE, 2018, 13, e0195189.	1.1	13
9	Sex differences in verbal working memory performance emerge at very high loads of common neuroimaging tasks. Brain and Cognition, 2017, 113, 56-64.	0.8	32
10	Late-Onset Alzheimerâ€™s Disease Polygenic Risk Profile Score Predicts Hippocampal Function. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 673-679.	1.1	32
11	Automated Quality Assessment of Structural Magnetic Resonance Brain Images Based on a Supervised Machine Learning Algorithm. Frontiers in Neuroinformatics, 2016, 10, 52.	1.3	66
12	Is less really more: Does a prefrontal efficiency genotype actually confer better performance when working memory becomes difficult?. Cortex, 2016, 74, 79-95.	1.1	11
13	Seeking Optimal Region-Of-Interest (ROI) Single-Value Summary Measures for fMRI Studies in Imaging Genetics. PLoS ONE, 2016, 11, e0151391.	1.1	38
14	Effects of Neuregulin 3 Genotype on Human Prefrontal Cortex Physiology. Journal of Neuroscience, 2014, 34, 1051-1056.	1.7	25
15	Altered Hippocampal-Parahippocampal Function During Stimulus Encoding. JAMA Psychiatry, 2014, 71, 236.	6.0	53
16	Differential Effects of Common Variants inSCN2Aon General Cognitive Ability, Brain Physiology, and messenger RNA Expression in Schizophrenia Cases and Control Individuals. JAMA Psychiatry, 2014, 71, 647.	6.0	33
17	WWC1 Genotype Modulates Age-Related Decline in Episodic Memory Function Across the Adult Life Span. Biological Psychiatry, 2014, 75, 693-700.	0.7	28
18	Characteristics of the Cation Cotransporter NKCC1 in Human Brain: Alternate Transcripts, Expression in Development, and Potential Relationships to Brain Function and Schizophrenia. Journal of Neuroscience, 2014, 34, 4929-4940.	1.7	54

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19	Effect of Tolcapone on Brain Activity During a Variable Attentional Control Task: A Double-Blind, Placebo-Controlled, Counter-Balanced Trial in Healthy Volunteers. CNS Drugs, 2013, 27, 663-673.	2.7	13
20	Altered Cerebral Response During Cognitive Control: A Potential Indicator of Genetic Liability for Schizophrenia. Neuropsychopharmacology, 2013, 38, 846-853.	2.8	46
21	Effect of Schizophrenia Risk-Associated Alleles in SREB2 (GPR85) on Functional MRI Phenotypes in Healthy Volunteers. Neuropsychopharmacology, 2013, 38, 341-349.	2.8	19
22	Effects of ZNF804A on neurophysiologic measures of cognitive control. Molecular Psychiatry, 2013, 18, 852-854.	4.1	20
23	DISC1 and SLC12A2 interaction affects human hippocampal function and connectivity. Journal of Clinical Investigation, 2013, 123, 2961-2964.	3.9	30
24	Investigation of Anatomical Thalamo-Cortical Connectivity and fMRI Activation in Schizophrenia. Neuropsychopharmacology, 2012, 37, 499-507.	2.8	133
25	Effective connectivity of AKT1-mediated dopaminergic working memory networks and pharmacogenetics of anti-dopaminergic treatment. Brain, 2012, 135, 1436-1445.	3.7	53
26	Epistatic interactions of AKT1 on human medial temporal lobe biology and pharmacogenetic implications. Molecular Psychiatry, 2012, 17, 1007-1016.	4.1	37
27	Normal aging modulates prefrontoparietal networks underlying multiple memory processes. European Journal of Neuroscience, 2012, 36, 3559-3567.	1.2	26
28	Interplay between DISC1 and GABA Signaling Regulates Neurogenesis in Mice and Risk for Schizophrenia. Cell, 2012, 148, 1051-1064.	13.5	196
29	Interactive Effects of DAOA (G72) and Catechol-O-Methyltransferase on Neurophysiology in Prefrontal Cortex. Biological Psychiatry, 2011, 69, 1006-1008.	0.7	33
30	Altered Cortical Network Dynamics. Archives of General Psychiatry, 2011, 68, 1207.	13.8	161
31	Evidence of statistical epistasis between DISC1, CIT and NDEL1 impacting risk for schizophrenia: biological validation with functional neuroimaging. Human Genetics, 2010, 127, 441-452.	1.8	93
32	BNDF modulates normal human hippocampal ageing. Molecular Psychiatry, 2010, 15, 116-118.	4.1	40
33	Genetic Variation in FGF20 Modulates Hippocampal Biology. Journal of Neuroscience, 2010, 30, 5992-5997.	1.7	21
34	Handedness, heritability, neurocognition and brain asymmetry in schizophrenia. Brain, 2010, 133, 3113-3122.	3.7	71
35	Genetic Modulation of GABA Levels in the Anterior Cingulate Cortex by GAD1 and COMT. Neuropsychopharmacology, 2010, 35, 1708-1717.	2.8	66
36	Biological Validation of Increased Schizophrenia Risk With NRG1, ERBB4, and AKT1 Epistasis via Functional Neuroimaging in Healthy Controls. Archives of General Psychiatry, 2010, 67, 991.	13.8	113

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37	Genetic Variation in CACNA1C Affects Brain Circuitries Related to Mental Illness. Archives of General Psychiatry, 2010, 67, 939.	13.8	289
38	Modulatory Effects of Modafinil on Neural Circuits Regulating Emotion and Cognition. Neuropsychopharmacology, 2010, 35, 2101-2109.	2.8	70
39	No Effect of a Common Allelic Variant in the Reelin Gene on Intermediate Phenotype Measures of Brain Structure, Brain Function, and Gene Expression. Biological Psychiatry, 2010, 68, 105-107.	0.7	20
40	Age-related alterations in default mode network: Impact on working memory performance. Neurobiology of Aging, 2010, 31, 839-852.	1.5	444
41	Neural Correlates of Probabilistic Category Learning in Patients with Schizophrenia. Journal of Neuroscience, 2009, 29, 1244-1254.	1.7	69
42	Evidence That Altered Amygdala Activity in Schizophrenia Is Related to Clinical State and Not Genetic Risk. American Journal of Psychiatry, 2009, 166, 216-225.	4.0	113
43	Age-related Alterations in Simple Declarative Memory and the Effect of Negative Stimulus Valence. Journal of Cognitive Neuroscience, 2009, 21, 1920-1933.	1.1	84
44	Evidence for a possible association of neurotrophin receptor (NTRK-3) gene polymorphisms with hippocampal function and schizophrenia. Neurobiology of Disease, 2009, 34, 518-524.	2.1	46
45	A primate-specific, brain isoform of KCNH2 affects cortical physiology, cognition, neuronal repolarization and risk of schizophrenia. Nature Medicine, 2009, 15, 509-518.	15.2	232
46	Catechol-O-Methyltransferase Valine158Methionine Polymorphism Modulates Brain Networks Underlying Working Memory Across Adulthood. Biological Psychiatry, 2009, 66, 540-548.	0.7	45
47	Prefrontal cognitive systems in schizophrenia : Towards human genetic brain mechanisms. Cognitive Neuropsychiatry, 2009, 14, 277-298.	0.7	80
48	Impact of interacting functional variants in COMT on regional gray matter volume in human brain. NeuroImage, 2009, 45, 44-51.	2.1	120
49	Genetic variation in MAOA modulates ventromedial prefrontal circuitry mediating individual differences in human personality. Molecular Psychiatry, 2008, 13, 313-324.	4.1	197
50	Intermediate phenotypes in schizophrenia genetics redux: is it a no brainer?. Molecular Psychiatry, 2008, 13, 233-238.	4.1	97
51	Association of the Ser⁷⁰⁴Cys DISC1 polymorphism with human hippocampal formation gray matter and function during memory encoding. European Journal of Neuroscience, 2008, 28, 2129-2136.	1.2	86
52	Is Gray Matter Volume an Intermediate Phenotype for Schizophrenia? A Voxel-Based Morphometry Study of Patients with Schizophrenia and Their Healthy Siblings. Biological Psychiatry, 2008, 63, 465-474.	0.7	179
53	Impact of the Brain-Derived Neurotrophic Factor Val66Met Polymorphism on Levels of Hippocampal N-Acetyl-Aspartate Assessed by Magnetic Resonance Spectroscopic Imaging at 3 Tesla. Biological Psychiatry, 2008, 64, 856-862.	0.7	36
54	False positives in imaging genetics. NeuroImage, 2008, 40, 655-661.	2.1	107

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55	The evolutionarily conserved G protein-coupled receptor SREB2/GPR85 influences brain size, behavior, and vulnerability to schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6133-6138.	3.3	67
56	Functional Polymorphisms in PRODH Are Associated with Risk and Protection for Schizophrenia and Fronto-Striatal Structure and Function. PLoS Genetics, 2008, 4, e1000252.	1.5	94
57	Enuresis as a premorbid developmental marker of schizophrenia. Brain, 2008, 131, 2489-2498.	3.7	31
58	Genetic variation in AKT1 is linked to dopamine-associated prefrontal cortical structure and function in humans. Journal of Clinical Investigation, 2008, 118, 2200-8.	3.9	159
59	Epistasis between catechol-O-methyltransferase and type II metabotropic glutamate receptor 3 genes on working memory brain function. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12536-12541.	3.3	175
60	Allelic Variation in RGS4 Impacts Functional and Structural Connectivity in the Human Brain. Journal of Neuroscience, 2007, 27, 1584-1593.	1.7	98
61	Dysfunctional and Compensatory Prefrontal Cortical Systems, Genes and the Pathogenesis of Schizophrenia. Cerebral Cortex, 2007, 17, i171-i181.	1.6	237
62	Tolcapone Improves Cognition and Cortical Information Processing in Normal Human Subjects. Neuropsychopharmacology, 2007, 32, 1011-1020.	2.8	219
63	Catechol-O-Methyltransferase Val158Met Modulation of Prefrontalâ€“Parietalâ€“Striatal Brain Systems during Arithmetic and Temporal Transformations in Working Memory. Journal of Neuroscience, 2007, 27, 13393-13401.	1.7	132
64	Genetic evidence implicating DARPP-32 in human frontostriatal structure, function, and cognition. Journal of Clinical Investigation, 2007, 117, 672-682.	3.9	205
65	Allelic variation in GAD1 (GAD67) is associated with schizophrenia and influences cortical function and gene expression. Molecular Psychiatry, 2007, 12, 854-869.	4.1	248
66	fMRI evidence for functional epistasis between COMT and RGS4. Molecular Psychiatry, 2007, 12, 893-895.	4.1	41
67	Dissociating the effects of Sternberg working memory demands in prefrontal cortex. Psychiatry Research - Neuroimaging, 2007, 154, 103-114.	0.9	69
68	The G72/G30 Gene Complex and Cognitive Abnormalities in Schizophrenia. Neuropsychopharmacology, 2006, 31, 2022-2032.	2.8	127
69	Neurophysiological correlates of age-related changes in working memory capacity. Neuroscience Letters, 2006, 392, 32-37.	1.0	304
70	Instability of Prefrontal Signal Processing in Schizophrenia. American Journal of Psychiatry, 2006, 163, 1960-1968.	4.0	56
71	Dysfunctional Prefrontal Regional Specialization and Compensation in Schizophrenia. American Journal of Psychiatry, 2006, 163, 1969-1977.	4.0	201
72	Brain regions underlying response inhibition and interference monitoring and suppression. European Journal of Neuroscience, 2006, 23, 1658-1664.	1.2	195

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73	Impact of complex genetic variation in COMT on human brain function. Molecular Psychiatry, 2006, 11, 867-877.	4.1	296
74	Prefrontal dysfunction in schizophrenia controlling for COMT Val158Met genotype and working memory performance. Psychiatry Research - Neuroimaging, 2006, 147, 221-226.	0.9	53
75	Neural mechanisms of genetic risk for impulsivity and violence in humans. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6269-6274.	3.3	793
76	Neural Mechanisms of Genetic Risk for Impulsivity and Violence in Humans. Focus (American) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	0.4	6
77	Variation in DISC1 affects hippocampal structure and function and increases risk for schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8627-8632.	3.3	479
78	Effect of Catechol-O-Methyltransferase val158met Genotype on Attentional Control. Journal of Neuroscience, 2005, 25, 5038-5045.	1.7	274
79	Variation in GRM3 affects cognition, prefrontal glutamate, and risk for schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12604-12609.	3.3	381
80	Interaction of COMT Val^{108/158}Met Genotype and Olanzapine Treatment on Prefrontal Cortical Function in Patients With Schizophrenia. American Journal of Psychiatry, 2004, 161, 1798-1805.	4.0	281
81	The Brain-Derived Neurotrophic Factor val66met Polymorphism and Variation in Human Cortical Morphology. Journal of Neuroscience, 2004, 24, 10099-10102.	1.7	807
82	Functional lateralization of the sensorimotor cortex in patients with schizophrenia: effects of treatment with olanzapine. Biological Psychiatry, 2004, 56, 190-197.	0.7	69
83	Brain Imaging as an Approach to Phenotype Characterization for Genetic Studies. , 2003, 77, 227-248.		15
84	An expanded role for functional neuroimaging in schizophrenia. Current Opinion in Neurobiology, 2003, 13, 256-260.	2.0	34
85	Neuronal pathology in the hippocampal area of patients with bipolar disorder: a study with proton magnetic resonance spectroscopic imaging. Biological Psychiatry, 2003, 53, 906-913.	0.7	191
86	The BDNF val66met Polymorphism Affects Activity-Dependent Secretion of BDNF and Human Memory and Hippocampal Function. Cell, 2003, 112, 257-269.	13.5	3,472
87	Abnormal fMRI Response of the Dorsolateral Prefrontal Cortex in Cognitively Intact Siblings of Patients With Schizophrenia. American Journal of Psychiatry, 2003, 160, 709-719.	4.0	417
88	Catechol O-methyltransferase val158-met genotype and individual variation in the brain response to amphetamine. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6186-6191.	3.3	891
89	Interindividual Differences in Functional Interactions among Prefrontal, Parietal and Parahippocampal Regions during Working Memory. Cerebral Cortex, 2003, 13, 1352-1361.	1.6	100
90	Complexity of Prefrontal Cortical Dysfunction in Schizophrenia: More Than Up or Down. American Journal of Psychiatry, 2003, 160, 2209-2215.	4.0	644

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91	Working Memory Deficits and Levels ofN-Acetylaspartate in Patients With Schizophreniform Disorder. American Journal of Psychiatry, 2003, 160, 483-489.	4.0	73
92	Brain-Derived Neurotrophic Factor val⁶⁶met Polymorphism Affects Human Memory-Related Hippocampal Activity and Predicts Memory Performance. Journal of Neuroscience, 2003, 23, 6690-6694.	1.7	916
93	Neurophysiological correlates of age-related changes in human motor function. Neurology, 2002, 58, 630-635.	1.5	465
94	Cortical Systems Associated with Covert Music Rehearsal. NeuroImage, 2002, 16, 901-908.	2.1	87
95	Dopaminergic modulation of cortical function in patients with Parkinson's disease. Annals of Neurology, 2002, 51, 156-164.	2.8	388
96	The effect of treatment with antipsychotic drugs on brain N-acetylaspartate measures in patients with schizophrenia. Biological Psychiatry, 2001, 49, 39-46.	0.7	158
97	Prefrontal neurons and the genetics of schizophrenia. Biological Psychiatry, 2001, 50, 825-844.	0.7	708
98	Effect of COMT Val108/158 Met genotype on frontal lobe function and risk for schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 6917-6922.	3.3	2,274
99	Selective Relationship Between PrefrontalN-Acetylaspartate Measures and Negative Symptoms in Schizophrenia. American Journal of Psychiatry, 2000, 157, 1646-1651.	4.0	108
100	The Relationship between Dorsolateral Prefrontal Neuronal N-Acetylaspartate and Evoked Release of Striatal Dopamine in Schizophrenia. Neuropsychopharmacology, 2000, 22, 125-132.	2.8	151
101	Specific Relationship Between Prefrontal NeuronalN-Acetylaspartate and Activation of the Working Memory Cortical Network in Schizophrenia. American Journal of Psychiatry, 2000, 157, 26-33.	4.0	148
102	Physiological Dysfunction of the Dorsolateral Prefrontal Cortex in Schizophrenia Revisited. Cerebral Cortex, 2000, 10, 1078-1092.	1.6	732
103	Effects of Dextroamphetamine on Cognitive Performance and Cortical Activation. NeuroImage, 2000, 12, 268-275.	2.1	274
104	Physiological Characteristics of Capacity Constraints in Working Memory as Revealed by Functional MRI. Cerebral Cortex, 1999, 9, 20-26.	1.6	659
105	Neuropsychiatric dynamics: the study of mental illness using functional magnetic resonance imaging. European Journal of Radiology, 1999, 30, 95-104.	1.2	38
106	The relationship between dorsolateral prefrontal N-acetylaspartate measures and striatal dopamine activity in schizophrenia. Biological Psychiatry, 1999, 45, 660-667.	0.7	106
107	Reproducibility of Proton Magnetic Resonance Spectroscopic Imaging in Patients with Schizophrenia. Neuropsychopharmacology, 1998, 18, 1-9.	2.8	69
108	Functional Magnetic Resonance Imaging Brain Mapping in Psychiatry: Methodological Issues Illustrated in a Study of Working Memory in Schizophrenia. Neuropsychopharmacology, 1998, 18, 186-196.	2.8	293

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109	Hemispheric control of motor function: a whole brain echo planar fMRI study. Psychiatry Research - Neuroimaging, 1998, 83, 7-22.	0.9	86
110	Regionally Specific Neuronal Pathology in Untreated Patients with Schizophrenia: A Proton Magnetic Resonance Spectroscopic Imaging Study. Biological Psychiatry, 1998, 43, 641-648.	0.7	191
111	Hippocampal N-acetyl aspartate in unaffected siblings of patients with schizophrenia: a possible intermediate neurobiological phenotype. Biological Psychiatry, 1998, 44, 941-950.	0.7	131
112	Common Pattern of Cortical Pathology in Childhood-Onset and Adult-Onset Schizophrenia as Identified by Proton Magnetic Resonance Spectroscopic Imaging. American Journal of Psychiatry, 1998, 155, 1376-1383.	4.0	114
113	Abnormal functional lateralization of the sensorimotor cortex in patients with schizophrenia. NeuroReport, 1997, 8, 2977-2984.	0.6	85
114	fMRI Applications in Schizophrenia Research. NeuroImage, 1996, 4, S118-S126.	2.1	86