

# Tadafumi Kato

## List of Publications by Year in descending order

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397  
papers

22,016  
citations

7551

77  
h-index

15683

125  
g-index

428  
all docs

428  
docs citations

428  
times ranked

21586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional organization of the transcriptome in human brain. <i>Nature Neuroscience</i> , 2008, 11, 1271-1282.	7.1	743
2	The International Society for Bipolar Disorders (ISBD) Task Force Report on Antidepressant Use in Bipolar Disorders. <i>American Journal of Psychiatry</i> , 2013, 170, 1249-1262.	4.0	579
3	Altered expression of mitochondria-related genes in postmortem brains of patients with bipolar disorder or schizophrenia, as revealed by large-scale DNA microarray analysis. <i>Human Molecular Genetics</i> , 2005, 14, 241-253.	1.4	436
4	Abnormal Behavior in a Chromosome- Engineered Mouse Model for Human 15q11-13 Duplication Seen in Autism. <i>Cell</i> , 2009, 137, 1235-1246.	13.5	432
5	Human Visual Cortical Function during Photic Stimulation Monitoring by Means of near-Infrared Spectroscopy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993, 13, 516-520.	2.4	412
6	Impaired mitochondrial function in psychiatric disorders. <i>Nature Reviews Neuroscience</i> , 2012, 13, 293-307.	4.9	388
7	Mitochondrial dysfunction in bipolar disorder. <i>Bipolar Disorders</i> , 2000, 2, 180-190.	1.1	321
8	Genetic variants associated with response to lithium treatment in bipolar disorder: a genome-wide association study. <i>Lancet, The</i> , 2016, 387, 1085-1093.	6.3	306
9	Molecular characterization of bipolar disorder by comparing gene expression profiles of postmortem brains of major mental disorders. <i>Molecular Psychiatry</i> , 2004, 9, 406-416.	4.1	299
10	Serotonin transporter gene polymorphisms: ethnic difference and possible association with bipolar affective disorder. <i>Molecular Psychiatry</i> , 1997, 2, 457-462.	4.1	289
11	Increased L1 Retrotransposition in the Neuronal Genome in Schizophrenia. <i>Neuron</i> , 2014, 81, 306-313.	3.8	277
12	Molecular genetics of bipolar disorder and depression. <i>Psychiatry and Clinical Neurosciences</i> , 2007, 61, 3-19.	1.0	264
13	Impaired feedback regulation of XBP1 as a genetic risk factor for bipolar disorder. <i>Nature Genetics</i> , 2003, 35, 171-175.	9.4	257
14	Alterations in brain phosphorous metabolism in bipolar disorder detected by in vivo 31P and 7Li magnetic resonance spectroscopy. <i>Journal of Affective Disorders</i> , 1993, 27, 53-59.	2.0	222
15	DNA Methylation Status of SOX10 Correlates with Its Downregulation and Oligodendrocyte Dysfunction in Schizophrenia. <i>Journal of Neuroscience</i> , 2005, 25, 5376-5381.	1.7	222
16	Reduction of brain phosphocreatine in bipolar II disorder detected by phosphorus-31 magnetic resonance spectroscopy. <i>Journal of Affective Disorders</i> , 1994, 31, 125-133.	2.0	215
17	Brain phosphorous metabolism in depressive disorders detected by phosphorus-31 magnetic resonance spectroscopy. <i>Journal of Affective Disorders</i> , 1992, 26, 223-230.	2.0	198
18	Identification of Mitochondrial DNA Polymorphisms That Alter Mitochondrial Matrix pH and Intracellular Calcium Dynamics. <i>PLoS Genetics</i> , 2006, 2, e128.	1.5	194

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19	Aberrant DNA methylation associated with bipolar disorder identified from discordant monozygotic twins. <i>Molecular Psychiatry</i> , 2008, 13, 429-441.	4.1	180
20	A new redox-cofactor vitamin for mammals. <i>Nature</i> , 2003, 422, 832-832.	13.7	179
21	Neurons show distinctive DNA methylation profile and higher interindividual variations compared with non-neurons. <i>Genome Research</i> , 2011, 21, 688-696.	2.4	176
22	Voxel-based analyses of gray/white matter volume and diffusion tensor data in major depression. <i>Psychiatry Research - Neuroimaging</i> , 2010, 181, 64-70.	0.9	175
23	Genome-wide identification of splicing QTLs in the human brain and their enrichment among schizophrenia-associated loci. <i>Nature Communications</i> , 2017, 8, 14519.	5.8	173
24	Genetic variation of melatonin productivity in laboratory mice under domestication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6412-6417.	3.3	160
25	A genome-wide association study identifies two novel susceptibility loci and trans population polygenicity associated with bipolar disorder. <i>Molecular Psychiatry</i> , 2018, 23, 639-647.	4.1	159
26	Assessment of Response to Lithium Maintenance Treatment in Bipolar Disorder: A Consortium on Lithium Genetics (ConLiGen) Report. <i>PLoS ONE</i> , 2013, 8, e65636.	1.1	156
27	CD4+ CD25+ T cells responding to serologically defined autoantigens suppress antitumor immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10902-10906.	3.3	152
28	Mice with neuron-specific accumulation of mitochondrial DNA mutations show mood disorder-like phenotypes. <i>Molecular Psychiatry</i> , 2006, 11, 577-593.	4.1	152
29	Effects of creatine on mental fatigue and cerebral hemoglobin oxygenation. <i>Neuroscience Research</i> , 2002, 42, 279-285.	1.0	150
30	Expression of IL-17 mRNA in Ovarian Cancer. <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 735-738.	1.0	147
31	Functional, anatomical, and neurochemical differentiation of medial preoptic area subregions in relation to maternal behavior in the mouse. <i>Journal of Comparative Neurology</i> , 2013, 521, 1633-1663.	0.9	147
32	Quantitative proton magnetic resonance spectroscopy of the basal ganglia in patients with affective disorders. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 1998, 248, 53-58.	1.8	144
33	Decreased cerebral haemodynamic response to cognitive and physiological tasks in mood disorders as shown by near-infrared spectroscopy. <i>Psychological Medicine</i> , 2002, 32, 1029-1037.	2.7	144
34	Mitochondrially Mediated Plasticity in the Pathophysiology and Treatment of Bipolar Disorder. <i>Neuropsychopharmacology</i> , 2008, 33, 2551-2565.	2.8	140
35	DNA methylation of the BDNF gene and its relevance to psychiatric disorders. <i>Journal of Human Genetics</i> , 2013, 58, 434-438.	1.1	140
36	Gene expression profiling of major depression and suicide in the prefrontal cortex of postmortem brains. <i>Neuroscience Research</i> , 2008, 60, 184-191.	1.0	137

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37	Reduced intracellular pH in the basal ganglia and whole brain measured by <sup>31</sup> P-MRS in bipolar disorder. <i>Psychiatry and Clinical Neurosciences</i> , 2004, 58, 82-88.	1.0	134
38	Genome-wide expression analysis detects eight genes with robust alterations specific to bipolar I disorder: relevance to neuronal network perturbation. <i>Human Molecular Genetics</i> , 2006, 15, 1949-1962.	1.4	134
39	The International Consortium on Lithium Genetics (ConLiGen): An Initiative by the NIMH and IGSU to Study the Genetic Basis of Response to Lithium Treatment. <i>Neuropsychobiology</i> , 2010, 62, 72-78.	0.9	134
40	Integrative Analyses of De Novo Mutations Provide Deeper Biological Insights into Autism Spectrum Disorder. <i>Cell Reports</i> , 2018, 22, 734-747.	2.9	132
41	Induction of IL-12 p40 messenger RNA expression and IL-12 production of macrophages via CD40-CD40 ligand interaction. <i>Journal of Immunology</i> , 1996, 156, 3932-8.	0.4	128
42	Mitochondrial DNA polymorphisms in bipolar disorder. <i>Journal of Affective Disorders</i> , 2001, 62, 151-164.	2.0	127
43	Methylation Status of the Reelin Promoter Region in the Brain of Schizophrenic Patients. <i>Biological Psychiatry</i> , 2008, 63, 530-533.	0.7	125
44	RNA editing of serotonin 2C receptor in human postmortem brains of major mental disorders. <i>Neuroscience Letters</i> , 2003, 346, 169-172.	1.0	124
45	Single local injection of recombinant fibroblast growth factor-2 stimulates healing of segmental bone defects in rabbits. <i>Journal of Orthopaedic Research</i> , 1998, 16, 654-659.	1.2	123
46	Magnetic Resonance Spectroscopy in Affective Disorders. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 1998, 10, 133-147.	0.9	120
47	Mitochondrial DNA 3243A>G mutation and increased expression of LARS2 gene in the brains of patients with bipolar disorder and schizophrenia. <i>Biological Psychiatry</i> , 2005, 57, 525-532.	0.7	120
48	Human brain structural change related to acute single exposure to sarin. <i>Annals of Neurology</i> , 2007, 61, 37-46.	2.8	116
49	Lateralized abnormality of high energy phosphate metabolism in the frontal lobes of patients with bipolar disorder detected by phase-encoded <sup>31</sup> P-MRS. <i>Psychological Medicine</i> , 1995, 25, 557-566.	2.7	115
50	Quantitative proton magnetic resonance spectroscopy of the bilateral frontal lobes in patients with bipolar disorder. <i>Psychological Medicine</i> , 1999, 29, 639-644.	2.7	114
51	Genetic or epigenetic difference causing discordance between monozygotic twins as a clue to molecular basis of mental disorders. <i>Molecular Psychiatry</i> , 2005, 10, 622-630.	4.1	114
52	Alteration of Hemoglobin Oxygenation in the Frontal Region in Elderly Depressed Patients as Measured by Near-infrared Spectroscopy. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2000, 12, 465-471.	0.9	113
53	Mitochondria, Metabolism, and Redox Mechanisms in Psychiatric Disorders. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 275-317.	2.5	112
54	Increased levels of a mitochondrial DNA deletion in the brain of patients with bipolar disorder. <i>Biological Psychiatry</i> , 1997, 42, 871-875.	0.7	111

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55	DNA methylation analysis of BDNF gene promoters in peripheral blood cells of schizophrenia patients. <i>Neuroscience Research</i> , 2013, 77, 208-214.	1.0	111
56	Hypofrontality and microvascular dysregulation in remitted late-onset depression assessed by functional near-infrared spectroscopy. <i>NeuroImage</i> , 2005, 26, 234-242.	2.1	109
57	Phosphorus-31 magnetic resonance spectroscopy and ventricular enlargement in bipolar disorder. <i>Psychiatry Research - Neuroimaging</i> , 1994, 55, 41-50.	0.9	107
58	Mitochondrial DNA 3644Tâ€™C mutation associated with bipolar disorder. <i>Genomics</i> , 2004, 84, 1041-1050.	1.3	104
59	Mitochondrial Dysfunction as the Molecular Basis of Bipolar Disorder. <i>CNS Drugs</i> , 2007, 21, 1-11.	2.7	103
60	Infant Calming Responses during Maternal Carrying in Humans and Mice. <i>Current Biology</i> , 2013, 23, 739-745.	1.8	103
61	Decreased brain intracellular pH measured by. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 1998, 248, 301.	1.8	102
62	Association of Polygenic Score for Schizophrenia and HLA Antigen and Inflammation Genes With Response to Lithium in Bipolar Affective Disorder. <i>JAMA Psychiatry</i> , 2018, 75, 65-74.	6.0	102
63	The Role of Brain-derived Neurotrophic Factor (BDNF)-induced XBP1 Splicing during Brain Development. <i>Journal of Biological Chemistry</i> , 2007, 282, 34525-34534.	1.6	101
64	Hypermethylation of serotonin transporter gene in bipolar disorder detected by epigenome analysis of discordant monozygotic twins. <i>Translational Psychiatry</i> , 2011, 1, e24-e24.	2.4	101
65	A functional polymorphism in the promoter region of monoamine oxidase-A gene and mood disorders. <i>Molecular Psychiatry</i> , 1999, 4, 393-395.	4.1	100
66	Exome sequencing for bipolar disorder points to roles of de novo loss-of-function and protein-altering mutations. <i>Molecular Psychiatry</i> , 2016, 21, 885-893.	4.1	100
67	Measurement of brain phosphoinositide metabolism in bipolar patients using in vivo 31P-MRS. <i>Journal of Affective Disorders</i> , 1991, 22, 185-190.	2.0	98
68	Molecular neurobiology of bipolar disorder: a disease of â€™mood-stabilizing neuronsâ€™?. <i>Trends in Neurosciences</i> , 2008, 31, 495-503.	4.2	94
69	A family-based association study and gene expression analyses of netrin-G1 and -G2 genes in schizophrenia. <i>Biological Psychiatry</i> , 2005, 57, 382-393.	0.7	92
70	No association between the Val66Met polymorphism of the brain-derived neurotrophic factor gene and bipolar disorder in a Japanese population: A multicenter study. <i>Biological Psychiatry</i> , 2004, 56, 376-378.	0.7	91
71	Prefrontal hemodynamic response to verbal-fluency task and hyperventilation in bipolar disorder measured by multi-channel near-infrared spectroscopy. <i>Journal of Affective Disorders</i> , 2004, 82, 85-92.	2.0	90
72	Isolation of a Novel Human Gene, MARKLI, Homologous to MARK3 and Its Involvement in Hepatocellular Carcinogenesis. <i>Neoplasia</i> , 2001, 3, 4-9.	2.3	88

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73	Altered brain energy metabolism in lithium-resistant bipolar disorder detected by photic stimulated 31P-MR spectroscopy. <i>Psychological Medicine</i> , 2000, 30, 107-115.	2.7	87
74	Hypoactivation of the prefrontal cortex during verbal fluency test in PTSD: a near-infrared spectroscopy study. <i>Psychiatry Research - Neuroimaging</i> , 2003, 124, 1-10.	0.9	86
75	No Evidence for an Association of Polymorphisms of the Tryptophan Hydroxylase Gene With Affective Disorders or Attempted Suicide Among Japanese Patients. <i>American Journal of Psychiatry</i> , 1999, 156, 774-776.	4.0	85
76	Comprehensive DNA methylation and hydroxymethylation analysis in the human brain and its implication in mental disorders. <i>Neuropharmacology</i> , 2014, 80, 133-139.	2.0	84
77	Human neuroblastomas with unfavorable biologies express high levels of brain-derived neurotrophic factor mRNA and a variety of its variants. <i>Cancer Letters</i> , 2001, 164, 51-60.	3.2	80
78	Neurobiological basis of bipolar disorder: Mitochondrial dysfunction hypothesis and beyond. <i>Schizophrenia Research</i> , 2017, 187, 62-66.	1.1	80
79	Current understanding of bipolar disorder: Toward integration of biological basis and treatment strategies. <i>Psychiatry and Clinical Neurosciences</i> , 2019, 73, 526-540.	1.0	80
80	Role of mitochondrial DNA in calcium signaling abnormality in bipolar disorder. <i>Cell Calcium</i> , 2008, 44, 92-102.	1.1	79
81	Gene Expression Profiling in Schizophrenia and Related Mental Disorders. <i>Neuroscientist</i> , 2006, 12, 349-361.	2.6	78
82	C677T polymorphism in methylenetetrahydrofolate reductase gene and psychoses. <i>Molecular Psychiatry</i> , 1998, 3, 435-437.	4.1	77
83	Association of mitochondrial complex I subunit geneNDUF2 at 18p11 with bipolar disorder. <i>American Journal of Medical Genetics Part A</i> , 2003, 120B, 72-78.	2.4	76
84	Decreased expression of NEFH and PCP4/PEP19 in the prefrontal cortex of alcoholics. <i>Neuroscience Research</i> , 2004, 49, 379-385.	1.0	76
85	Altered RNA editing of serotonin 2C receptor in a rat model of depression. <i>Neuroscience Research</i> , 2005, 53, 69-76.	1.0	75
86	Animal models of bipolar disorder. <i>Neuroscience and Biobehavioral Reviews</i> , 2007, 31, 832-842.	2.9	74
87	Activation of the prefrontal cortex to trauma-related stimuli measured by near-infrared spectroscopy in posttraumatic stress disorder due to terrorism. <i>Psychophysiology</i> , 2003, 40, 492-500.	1.2	73
88	Genome-Wide Association Study of Schizophrenia in Japanese Population. <i>PLoS ONE</i> , 2011, 6, e20468.	1.1	73
89	Depression-like episodes in mice harboring mtDNA deletions in paraventricular thalamus. <i>Molecular Psychiatry</i> , 2016, 21, 39-48.	4.1	73
90	Developmental excitation-inhibition imbalance underlying psychoses revealed by single-cell analyses of discordant twins-derived cerebral organoids. <i>Molecular Psychiatry</i> , 2020, 25, 2695-2711.	4.1	73

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91	The combination of angiogenesis and blood vessel invasion as a prognostic indicator in primary breast cancer. <i>British Journal of Cancer</i> , 2003, 88, 1900-1908.	2.9	72
92	Association of Age, Antipsychotic Medication, and Symptom Severity in Schizophrenia With Proton Magnetic Resonance Spectroscopy Brain Glutamate Level. <i>JAMA Psychiatry</i> , 2021, 78, 667.	6.0	72
93	The relationship between circulating mitochondrial DNA and inflammatory cytokines in patients with major depression. <i>Journal of Affective Disorders</i> , 2018, 233, 15-20.	2.0	71
94	Correlations of phosphomonoesters measured by phosphorus-31 magnetic resonance spectroscopy in the frontal lobes and negative symptoms in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 1994, 55, 223-235.	0.9	69
95	The other, forgotten genome: mitochondrial DNA and mental disorders. <i>Molecular Psychiatry</i> , 2001, 6, 625-633.	4.1	68
96	Choline-containing compounds detected by proton magnetic resonance spectroscopy in the basal ganglia in bipolar disorder. <i>Journal of Psychiatry and Neuroscience</i> , 1996, 21, 248-54.	1.4	68
97	Preliminary genome-wide association study of bipolar disorder in the Japanese population. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2009, 150B, 1110-1117.	1.1	67
98	A complex polymorphic region in the brain-derived neurotrophic factor (BDNF) gene confers susceptibility to bipolar disorder and affects transcriptional activity. <i>Molecular Psychiatry</i> , 2006, 11, 695-703.	4.1	66
99	Aberrant endoplasmic reticulum stress response in lymphoblastoid cells from patients with bipolar disorder. <i>International Journal of Neuropsychopharmacology</i> , 2009, 12, 33.	1.0	66
100	Polarization of Naive CD4+T Cells Toward the Th1 Subset by CTLA-4 Costimulation. <i>Journal of Immunology</i> , 2000, 164, 3554-3562.	0.4	65
101	Quantitative analysis of mitochondrial DNA deletions in the brains of patients with bipolar disorder and schizophrenia. <i>International Journal of Neuropsychopharmacology</i> , 2005, 8, 515.	1.0	65
102	XBP1 induces WFS1 through an endoplasmic reticulum stress response element-like motif in SH-SY5Y cells. <i>Journal of Neurochemistry</i> , 2006, 97, 545-555.	2.1	65
103	Whole genome/exome sequencing in mood and psychotic disorders. <i>Psychiatry and Clinical Neurosciences</i> , 2015, 69, 65-76.	1.0	65
104	Lateralized abnormality of high-energy phosphate and bilateral reduction of phosphomonoester measured by phosphorus-31 magnetic resonance spectroscopy of the frontal lobes in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 1995, 61, 151-160.	0.9	64
105	1H-MR spectroscopy and gray matter volume of the anterior cingulate cortex in schizophrenia. <i>NeuroReport</i> , 2002, 13, 2133-2137.	0.6	64
106	Serotonin receptor 2C and mental disorders: Genetic, expression, and RNA editing studies. <i>RNA Biology</i> , 2009, 6, 248-253.	1.5	64
107	Combined endobronchial and endoscopic ultrasound-guided fine needle aspiration for mediastinal nodal staging of lung cancer. <i>Endoscopy</i> , 2011, 43, 1082-1089.	1.0	64
108	Mechanisms of altered Ca <sup>2+</sup> signalling in transformed lymphoblastoid cells from patients with bipolar disorder. <i>International Journal of Neuropsychopharmacology</i> , 2003, 6, 379-389.	1.0	63

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109	Prevalence of cavum septum pellucidum detected by MRI in patients with bipolar disorder, major depression and schizophrenia. <i>Psychological Medicine</i> , 1996, 26, 431-434.	2.7	61
110	ERK-FosB signaling in dorsal MPOA neurons plays a major role in the initiation of parental behavior in mice. <i>Molecular and Cellular Neurosciences</i> , 2007, 36, 121-131.	1.0	61
111	Epigenetics in mood disorders. <i>Environmental Health and Preventive Medicine</i> , 2008, 13, 16-24.	1.4	61
112	Expression of mitochondrial complex I subunit gene NDUFV2 in the lymphoblastoid cells derived from patients with bipolar disorder and schizophrenia. <i>Neuroscience Research</i> , 2009, 63, 199-204.	1.0	61
113	Cerebrovascular Response to Cognitive Tasks in Patients With Schizophrenia Measured by Near-Infrared Spectroscopy. <i>Schizophrenia Bulletin</i> , 2004, 30, 435-444.	2.3	59
114	Post-traumatic stress disorder symptoms in victims of Tokyo subway attack: a 5-year follow-up study. <i>Psychiatry and Clinical Neurosciences</i> , 2004, 58, 624-629.	1.0	59
115	Meta-analysis of genome-wide association studies for panic disorder in the Japanese population. <i>Translational Psychiatry</i> , 2012, 2, e186-e186.	2.4	59
116	Guideline for treatment of bipolar disorder by the Japanese Society of Mood Disorders, 2012. <i>Psychiatry and Clinical Neurosciences</i> , 2013, 67, 285-300.	1.0	59
117	Gene expression and association analyses of LIM (PDLIM5) in bipolar disorder and schizophrenia. <i>Molecular Psychiatry</i> , 2005, 10, 1045-1055.	4.1	58
118	Association of mitochondrial complex I subunit gene NDUFV2 at 18p11 with bipolar disorder in Japanese and the National Institute of Mental Health pedigrees. <i>Biological Psychiatry</i> , 2004, 56, 483-489.	0.7	57
119	Association of bipolar disorder with the 5178 polymorphism in mitochondrial DNA. , 2000, 96, 182-186.		55
120	A near-infrared spectroscopy study of prefrontal cortex activation during a verbal fluency task and carbon dioxide inhalation in individuals with bipolar disorder. <i>Bipolar Disorders</i> , 2007, 9, 876-883.	1.1	55
121	Neuronal maturation and N-acetyl-l-aspartic acid development in human fetal and child brains. <i>Brain and Development</i> , 1997, 19, 131-133.	0.6	54
122	Effect of mood stabilizers on DNA methylation in human neuroblastoma cells. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 2285-2294.	1.0	54
123	Brain lithium concentration by 7Li- and 1H-magnetic resonance spectroscopy in bipolar disorder. <i>Psychiatry Research - Neuroimaging</i> , 1992, 45, 53-63.	0.9	53
124	Parent-of-origin effect in transmission of bipolar disorder. , 1996, 67, 546-550.		53
125	Functional polymorphisms of HSPA5: Possible association with bipolar disorder. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 1136-1143.	1.0	53
126	Association study of the locus with schizophrenia in a Japanese population. <i>Schizophrenia Research</i> , 2005, 79, 175-180.	1.1	53

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127	Preoperative routine evaluation of bilateral adrenal glands by endoscopic ultrasound and fine-needle aspiration in patients with potentially resectable lung cancer. <i>Endoscopy</i> , 2013, 45, 195-201.	1.0	53
128	Valproate, a Mood Stabilizer, Induces WFS1 Expression and Modulates Its Interaction with ER Stress Protein GRP94. <i>PLoS ONE</i> , 2009, 4, e4134.	1.1	53
129	Differential Effects of LPS and CD40 Ligand Stimulations on the Induction of IL-12 Production by Dendritic Cells and Macrophages. <i>Cellular Immunology</i> , 1997, 181, 59-67.	1.4	51
130	Association of mitochondrial complex I subunit geneNDUFV2 at 18p11 with schizophrenia in the Japanese population. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2006, 141B, 301-304.	1.1	51
131	SIRT1 gene, schizophrenia and bipolar disorder in the Japanese population: an association study. <i>Genes, Brain and Behavior</i> , 2011, 10, 257-263.	1.1	51
132	Regional cerebral blood flow in catatonic schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 1993, 50, 203-216.	0.9	50
133	Molecular genetics of bipolar disorder. <i>Neuroscience Research</i> , 2001, 40, 105-113.	1.0	49
134	Regional variation in mitochondrial DNA copy number in mouse brain. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 270-274.	0.5	49
135	What Can Mitochondrial DNA Analysis Tell Us About Mood Disorders?. <i>Biological Psychiatry</i> , 2018, 83, 731-738.	0.7	49
136	A role of ADAR2 and RNA editing of glutamate receptors in mood disorders and schizophrenia. <i>Molecular Brain</i> , 2014, 7, 5.	1.3	48
137	Novel polymorphism in the promoter region of the tumor necrosis factor alpha gene: No association with narcolepsy. , 1999, 88, 301-304.		47
138	Intracranial aneurysms in Ehlers-Danlos syndrome type IV in early childhood. <i>Pediatric Neurology</i> , 2001, 25, 336-339.	1.0	47
139	Expression of HSPF1 and LIM in the lymphoblastoid cells derived from patients with bipolar disorder and schizophrenia. <i>Journal of Human Genetics</i> , 2004, 49, 227-231.	1.1	47
140	Lithium response and Val66Met polymorphism of the brain-derived neurotrophic factor gene in Japanese patients with bipolar disorder. <i>Psychiatric Genetics</i> , 2006, 16, 49-50.	0.6	47
141	Measurement and comparison of serum neuregulin 1 immunoreactivity in control subjects and patients with schizophrenia: an influence of its genetic polymorphism. <i>Journal of Neural Transmission</i> , 2010, 117, 887-895.	1.4	47
142	Excess hydrogen sulfide and polysulfides production underlies a schizophrenia pathophysiology. <i>EMBO Molecular Medicine</i> , 2019, 11, e10695.	3.3	47
143	Choline Acetyltransferase Activities in Single Spinal Motor Neurons from Patients with Amyotrophic Lateral Sclerosis. <i>Journal of Neurochemistry</i> , 1989, 52, 636-640.	2.1	46
144	Brain lithium concentrations measured with lithium-7 magnetic resonance spectroscopy in patients with affective disorders: Relationship to erythrocyte and serum concentrations. <i>Biological Psychiatry</i> , 1993, 33, 147-152.	0.7	46

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145	Possible relationship between mitochondrial DNA polymorphisms and lithium response in bipolar disorder. <i>International Journal of Neuropsychopharmacology</i> , 2003, 6, 421-424.	1.0	46
146	Behavioral and gene expression analyses of <i>Wfs1</i> knockout mice as a possible animal model of mood disorder. <i>Neuroscience Research</i> , 2008, 61, 143-158.	1.0	46
147	Plasma Nervonic Acid Is a Potential Biomarker for Major Depressive Disorder: A Pilot Study. <i>International Journal of Neuropsychopharmacology</i> , 2018, 21, 207-215.	1.0	45
148	The role of mitochondrial dysfunction in bipolar disorder. <i>Drug News and Perspectives</i> , 2006, 19, 597.	1.9	45
149	Cerebrovascular Response to Cognitive Tasks and Hyperventilation Measured by Multi-Channel Near-Infrared Spectroscopy. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2003, 15, 442-449.	0.9	44
150	Association of polygenic score for major depression with response to lithium in patients with bipolar disorder. <i>Molecular Psychiatry</i> , 2021, 26, 2457-2470.	4.1	44
151	Lithium side effects in relation to brain lithium concentration measured by lithium-7 magnetic resonance spectroscopy. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1996, 20, 87-97.	2.5	43
152	Zoom endoscopic monitoring of small bowel allograft rejection. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2006, 20, 773-782.	1.3	43
153	<i>Hes1</i> suppresses acute myeloid leukemia development through FLT3 repression. <i>Leukemia</i> , 2015, 29, 576-585.	3.3	43
154	Proton magnetic resonance spectroscopy of the basal ganglia in patients with schizophrenia: a preliminary report. <i>Schizophrenia Research</i> , 1996, 22, 19-26.	1.1	42
155	Association of the XBP1-116C/G polymorphism with schizophrenia in the Japanese population. <i>Psychiatry and Clinical Neurosciences</i> , 2004, 58, 438-440.	1.0	42
156	Association study of the dysbindin ( <i>DTNBP1</i> ) gene in schizophrenia from the Japanese population. <i>Neuroscience Research</i> , 2006, 56, 154-158.	1.0	42
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