

Hiroaki Tomita

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

3,432
citations

186265

28
h-index

161849

54
g-index

117
all docs

117
docs citations

117
times ranked

4856
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of agonal and postmortem factors on gene expression profile: quality control in microarray analyses of postmortem human brain. <i>Biological Psychiatry</i> , 2004, 55, 346-352.	1.3	294
2	A SNP in the ABCC11 gene is the determinant of human earwax type. <i>Nature Genetics</i> , 2006, 38, 324-330.	21.4	267
3	Systematic changes in gene expression in postmortem human brains associated with tissue pH and terminal medical conditions. <i>Human Molecular Genetics</i> , 2004, 13, 609-616.	2.9	237
4	The Tohoku Medical Megabank Project: Design and Mission. <i>Journal of Epidemiology</i> , 2016, 26, 493-511.	2.4	236
5	Gender-Specific Gene Expression in Post-Mortem Human Brain: Localization to Sex Chromosomes. <i>Neuropsychopharmacology</i> , 2004, 29, 373-384.	5.4	206
6	Microarray Technology: A Review of New Strategies to Discover Candidate Vulnerability Genes in Psychiatric Disorders. <i>American Journal of Psychiatry</i> , 2003, 160, 657-666.	7.2	134
7	Cohort Profile: Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study (TMM) Tj ETQq1 1 0.784314 rgBT /Overlock 2020, 49, 18-19m.	1.9	107
8	Design and Characterization of a Highly Selective Peptide Inhibitor of the Small Conductance Calcium-activated K ⁺ Channel, SkCa2. <i>Journal of Biological Chemistry</i> , 2001, 276, 43145-43151.	3.4	106
9	Mutations in PRRT2 responsible for paroxysmal kinesigenic dyskinesias also cause benign familial infantile convulsions. <i>Journal of Human Genetics</i> , 2012, 57, 338-341.	2.3	82
10	Study Profile of the Tohoku Medical Megabank Community-Based Cohort Study. <i>Journal of Epidemiology</i> , 2021, 31, 65-76.	2.4	81
11	G protein-linked signaling pathways in bipolar and major depressive disorders. <i>Frontiers in Genetics</i> , 2013, 4, 297.	2.3	67
12	Missense mutations in the DNA-binding/dimerization domain of NFIX cause Sotos-like features. <i>Journal of Human Genetics</i> , 2012, 57, 207-211.	2.3	53
13	Nuclear Localization and Dominant-negative Suppression by a Mutant SKCa3 N-terminal Channel Fragment Identified in a Patient with Schizophrenia. <i>Journal of Biological Chemistry</i> , 2001, 276, 27753-27756.	3.4	51
14	Paroxysmal kinesigenic choreoathetosis (PKC): confirmation of linkage to 16p11-q21, but unsuccessful detection of mutations among 157 genes at the PKC-critical region in seven PKC families. <i>Journal of Human Genetics</i> , 2007, 52, 334-341.	2.3	50
15	Impact of social capital on psychological distress and interaction with house destruction and displacement after the Great East Japan Earthquake of 2011. <i>Psychiatry and Clinical Neurosciences</i> , 2017, 71, 52-60.	1.8	47
16	An Apamin- and Scyllatoxin-Insensitive Isoform of the Human SK3 Channel. <i>Molecular Pharmacology</i> , 2004, 65, 788-801.	2.3	46
17	Linking Activation of Microglia and Peripheral Monocytic Cells to the Pathophysiology of Psychiatric Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 144.	3.7	45
18	Microglial production of TNF-alpha is a key element of sustained fear memory. <i>Brain, Behavior, and Immunity</i> , 2017, 59, 313-321.	4.1	44

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19	The gene for mesomelic dysplasia Kantaputra type is mapped to chromosome 2q24-q32. <i>Journal of Human Genetics</i> , 1998, 43, 32-36.	2.3	37
20	A novel gene is disrupted at a 14q13 breakpoint of t(2;14) in a patient with mirror-image polydactyly of hands and feet. <i>Journal of Human Genetics</i> , 2002, 47, 136-139.	2.3	37
21	Prospect of future housing and risk of psychological distress at 1 year after an earthquake disaster. <i>Psychiatry and Clinical Neurosciences</i> , 2016, 70, 182-189.	1.8	36
22	Chapter 3 Monoamine Transporter as a Target Molecule for Psychostimulants. <i>International Review of Neurobiology</i> , 2009, 85, 29-33.	2.0	35
23	Improvement of psychiatrists' clinical knowledge of the treatment guidelines for schizophrenia and major depressive disorders using the "Effectiveness of Guidelines for Dissemination and Education in Psychiatric Treatment (EGUIDE)" project: A nationwide dissemination, education, and evaluation study. <i>Psychiatry and Clinical Neurosciences</i> , 2019, 73, 642-648.	1.8	35
24	SK3-1C, a Dominant-negative Suppressor of SKCa and IKCa Channels. <i>Journal of Biological Chemistry</i> , 2004, 279, 6893-6904.	3.4	34
25	Genome analyses for the Tohoku Medical Megabank Project towards establishment of personalized healthcare. <i>Journal of Biochemistry</i> , 2019, 165, 139-158.	1.7	33
26	Prescription patterns in patients with schizophrenia in Japan: First quality indicator data from the survey of "Effectiveness of Guidelines for Dissemination and Education in psychiatric treatment (EGUIDE)" project. <i>Neuropsychopharmacology Reports</i> , 2020, 40, 281-286.	2.3	32
27	Effect of tsunami drill experience on evacuation behavior after the onset of the Great East Japan Earthquake. <i>International Journal of Disaster Risk Reduction</i> , 2018, 28, 206-213.	3.9	31
28	The associations among the dopamine D2 receptor Taq1, emotional intelligence, creative potential measured by divergent thinking, and motivational state and these associations' sex differences. <i>Frontiers in Psychology</i> , 2015, 6, 912.	2.1	30
29	Effects of the <i>BDNF</i> Val66Met Polymorphism on Gray Matter Volume in Typically Developing Children and Adolescents. <i>Cerebral Cortex</i> , 2016, 26, 1795-1803.	2.9	29
30	Effect of a novel nasal oxytocin spray with enhanced bioavailability on autism: a randomized trial. <i>Brain</i> , 2022, 145, 490-499.	7.6	29
31	Post-traumatic growth of children affected by the Great East Japan Earthquake and their attitudes to memorial services and media coverage. <i>Psychiatry and Clinical Neurosciences</i> , 2016, 70, 193-201.	1.8	28
32	Post-disaster mental health and psychosocial support in the areas affected by the Great East Japan Earthquake: a qualitative study. <i>BMC Psychiatry</i> , 2019, 19, 261.	2.6	28
33	Cognitive and neural correlates of the 5-repeat allele of the dopamine D4 receptor gene in a population lacking the 7-repeat allele. <i>NeuroImage</i> , 2015, 110, 124-135.	4.2	27
34	Longitudinal characteristics of resilience among adolescents: A high school student cohort study to assess the psychological impact of the Great East Japan Earthquake. <i>Psychiatry and Clinical Neurosciences</i> , 2018, 72, 821-835.	1.8	27
35	Psychological distress and the incident risk of functional disability in elderly survivors after the Great East Japan Earthquake. <i>Journal of Affective Disorders</i> , 2017, 221, 145-150.	4.1	26
36	Eczema and Asthma Symptoms among Schoolchildren in Coastal and Inland Areas after the 2011 Great East Japan Earthquake: The ToMMo Child Health Study. <i>Tohoku Journal of Experimental Medicine</i> , 2015, 237, 297-305.	1.2	25

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37	A 1.2-Megabase BAC/PAC Contig Spanning the 14q13 Breakpoint of t(2;14) in a Mirror-Image Polydactyly Patient. <i>Genomics</i> , 1997, 45, 11-16.	2.9	24
38	Improved metabolomic data-based prediction of depressive symptoms using nonlinear machine learning with feature selection. <i>Translational Psychiatry</i> , 2020, 10, 157.	4.8	24
39	Increase of kainate receptor mRNA in the hippocampal CA3 of amygdala-kindled rats detected by in situ hybridization. <i>Life Sciences</i> , 1993, 53, 857-864.	4.3	23
40	The Association Between Medical Treatment of Physical Diseases and Psychological Distress After the Great East Japan Earthquake: The Shichigahama Health Promotion Project. <i>Disaster Medicine and Public Health Preparedness</i> , 2015, 9, 374-381.	1.3	23
41	Retinal layers and associated clinical factors in schizophrenia spectrum disorders: a systematic review and meta-analysis. <i>Molecular Psychiatry</i> , 2022, 27, 3592-3616.	7.9	22
42	Periodontal Disease Is Associated with Insomnia among Victims of the Great East Japan Earthquake: A Panel Study Initiated Three Months after the Disaster. <i>Tohoku Journal of Experimental Medicine</i> , 2015, 237, 83-90.	1.2	20
43	Therapeutic concentration of lithium stimulates complement C_3 production in dendritic cells and microglia via GSK β inhibition. <i>Glia</i> , 2015, 63, 257-270.	4.9	19
44	Deficient Autophagy in Microglia Aggravates Repeated Social Defeat Stress-Induced Social Avoidance. <i>Neural Plasticity</i> , 2022, 2022, 1-13.	2.2	19
45	Mapping of the wet/dry earwax locus to the pericentromeric region of chromosome 16. <i>Lancet</i> , The, 2002, 359, 2000-2002.	13.7	18
46	Sample matching by inferred agonal stress in gene expression analyses of the brain. <i>BMC Genomics</i> , 2007, 8, 336.	2.8	18
47	Severity of eczema and mental health problems in Japanese schoolchildren: The ToMMo Child Health Study. <i>Allergy International</i> , 2018, 67, 481-486.	3.3	18
48	Fluorescently Activated Cell Sorting Followed by Microarray Profiling of Helper T Cell Subtypes from Human Peripheral Blood. <i>PLoS ONE</i> , 2014, 9, e111405.	2.5	17
49	Ethnicity-Dependent Effects of Schizophrenia Risk Variants of the <i>OLIG2</i> Gene on <i>OLIG2</i> Transcription and White Matter Integrity. <i>Schizophrenia Bulletin</i> , 2020, 46, 1619-1628.	4.3	17
50	Genome-wide association meta-analysis and Mendelian randomization analysis confirm the influence of ALDH2 on sleep duration in the Japanese population. <i>Sleep</i> , 2019, 42, .	1.1	16
51	Protocol and Research Perspectives of the ToMMo Child Health Study after the 2011 Great East Japan Earthquake. <i>Tohoku Journal of Experimental Medicine</i> , 2015, 236, 123-130.	1.2	15
52	Tumor necrosis factor β negatively regulates the retrieval and reconsolidation of hippocampus-dependent memory. <i>Brain, Behavior, and Immunity</i> , 2021, 94, 79-88.	4.1	15
53	Characterization of a cloned rat serotonin 5-HT1A receptor expressed in the HeLa cell line. <i>Life Sciences</i> , 1993, 52, 949-958.	4.3	14
54	Application of microarray technology in primate behavioral neuroscience research. <i>Methods</i> , 2006, 38, 227-234.	3.8	14

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55	Psychological Distress and the Risk of Withdrawing From Hypertension Treatment After an Earthquake Disaster. <i>Disaster Medicine and Public Health Preparedness</i> , 2017, 11, 179-182.	1.3	14
56	Strategic Methods for Recruiting Grandparents: The Tohoku Medical Megabank Birth and Three-Generation Cohort Study. <i>Tohoku Journal of Experimental Medicine</i> , 2018, 246, 97-105.	1.2	14
57	Association between the social isolation and depressive symptoms after the great East Japan earthquake: findings from the baseline survey of the TMM CommCohort study. <i>BMC Public Health</i> , 2021, 21, 925.	2.9	14
58	One-year trajectories of postpartum depressive symptoms and associated psychosocial factors: findings from the Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study. <i>Journal of Affective Disorders</i> , 2021, 295, 632-638.	4.1	14
59	The VEGF gene polymorphism impacts brain volume and arterial blood volume. <i>Human Brain Mapping</i> , 2017, 38, 3516-3526.	3.6	13
60	Cumulative incidence of suicidal ideation and associated factors among adults living in temporary housing during the three years after the Great East Japan Earthquake. <i>Journal of Affective Disorders</i> , 2018, 232, 1-8.	4.1	13
61	Four mood stabilizers commonly induce FEZ1 expression in human astrocytes. <i>Bipolar Disorders</i> , 2011, 13, 486-499.	1.9	12
62	Mental health and school-based intervention among adolescent exposed to the 2011 Great East Japan Earthquake and tsunami. <i>International Journal of Disaster Risk Reduction</i> , 2017, 24, 183-188.	3.9	12
63	School-Based Interventions Aimed at the Prevention and Treatment of Adolescents Affected by the 2011 Great East Japan Earthquake: A Three-Year Longitudinal Study. <i>Tohoku Journal of Experimental Medicine</i> , 2017, 242, 203-213.	1.2	12
64	The delivery of a placenta/fetus with high gonadal steroid production contributes to postpartum depressive symptoms. <i>Depression and Anxiety</i> , 2021, 38, 422-430.	4.1	12
65	Expression analysis of a novel mRNA variant of the schizophrenia risk gene ZNF804A. <i>Schizophrenia Research</i> , 2012, 141, 277-278.	2.0	11
66	Sex differences in the effects of adolescent social deprivation on alcohol consumption in μ -opioid receptor knockout mice. <i>Psychopharmacology</i> , 2015, 232, 1471-1482.	3.1	11
67	rs1360780 of the FKBP5 gene modulates the association between maternal acceptance and regional gray matter volume in the thalamus in children and adolescents. <i>PLoS ONE</i> , 2019, 14, e0221768.	2.5	11
68	Machine learning for effectively avoiding overfitting is a crucial strategy for the genetic prediction of polygenic psychiatric phenotypes. <i>Translational Psychiatry</i> , 2020, 10, 294.	4.8	11
69	Genome-wide Association Study of Axial Length in Population-based Cohorts in Japan. <i>Ophthalmology Science</i> , 2022, 2, 100113.	2.5	11
70	Disturbed social recognition and impaired risk judgement in older residents with mild cognitive impairment after the Great East Japan Earthquake of 2011: the Tome Project. <i>Psychogeriatrics</i> , 2016, 16, 349-354.	1.2	10
71	<p>Association</p>Between Autistic Symptoms and Self-Stigma in Patients with Schizophrenia Spectrum Disorders</p>. <i>Neuropsychiatric Disease and Treatment</i> , 2020, Volume 16, 2553-2561.	2.2	10
72	Mediating effects of self-stigma and depression on the association between autistic symptoms and recovery in patients with schizophrenia-spectrum disorders: a cross-sectional study. <i>BMC Psychiatry</i> , 2021, 21, 464.	2.6	10

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73	Polygenic risk score for bipolar disorder associates with divergent thinking and brain structures in the prefrontal cortex. <i>Human Brain Mapping</i> , 2021, 42, 6028-6037.	3.6	10
74	A Common CACNA1C Gene Risk Variant has Sex-Dependent Effects on Behavioral Traits and Brain Functional Activity. <i>Cerebral Cortex</i> , 2019, 29, 3211-3219.	2.9	9
75	Neural network modeling of altered facial expression recognition in autism spectrum disorders based on predictive processing framework. <i>Scientific Reports</i> , 2021, 11, 14684.	3.3	9
76	The return of individual genomic results to research participants: design and pilot study of Tohoku Medical Megabank Project. <i>Journal of Human Genetics</i> , 2022, 67, 9-17.	2.3	9
77	The mental health problems of public health center staff during the COVID-19 pandemic in Japan. <i>Asian Journal of Psychiatry</i> , 2021, 61, 102676.	2.0	9
78	Impact of the Great East Japan Earthquake on the Employment Status and Mental Health Conditions of Affected Coastal Communities. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8130.	2.6	8
79	Lessons learned from psychosocial support and mental health surveys during the 10 years since the Great East Japan Earthquake: Establishing evidence-based disaster psychiatry. <i>Psychiatry and Clinical Neurosciences</i> , 2022, 76, 212-221.	1.8	8
80	Partners'™ Ongoing Treatment for Chronic Disease and the Risk of Psychological Distress after the Great East Japan Earthquake. <i>Tohoku Journal of Experimental Medicine</i> , 2016, 239, 307-314.	1.2	7
81	Effect of the interaction between BDNF Val66Met polymorphism and daily physical activity on mean diffusivity. <i>Brain Imaging and Behavior</i> , 2020, 14, 806-820.	2.1	7
82	Japanese Project for Telepsychiatry Evaluation during COVID-19: Treatment Comparison Trial (J-PROTECT): Rationale, design, and methodology. <i>Contemporary Clinical Trials</i> , 2021, 111, 106596.	1.8	7
83	dbTMM: an integrated database of large-scale cohort, genome and clinical data for the Tohoku Medical Megabank Project. <i>Human Genome Variation</i> , 2021, 8, 44.	0.7	7
84	Identification of oxytocin expression in human and murine microglia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 119, 110600.	4.8	7
85	Onset and remission of common mental disorders among adults living in temporary housing for three years after the triple disaster in Northeast Japan: comparisons with the general population. <i>BMC Public Health</i> , 2020, 20, 1271.	2.9	6
86	The Impact of Health Consciousness on the Association Between Walking Durations and Mental Health Conditions After a Disaster: a Cross-Sectional Study. <i>Sports Medicine - Open</i> , 2020, 6, 30.	3.1	6
87	Polymorphisms in the microglial marker molecule CX3CR1 affect the blood volume of the human brain. <i>Psychiatry and Clinical Neurosciences</i> , 2018, 72, 409-422.	1.8	5
88	The association between psychological distress and risk of incident functional disability in elderly survivors after the Great East Japan Earthquake: The mediating effect of lifestyle and bodily pain. <i>Journal of Affective Disorders</i> , 2021, 295, 552-558.	4.1	5
89	Microglial Gene Expression Alterations in the Brains of Patients with Psychiatric Disorders. <i>Advances in Neuroimmune Biology</i> , 2016, 6, 83-93.	0.7	4
90	Sex-Dependent Effects of theAPOEε4 Allele on Behavioral Traits and White Matter Structures in Young Adults. <i>Cerebral Cortex</i> , 2021, 31, 672-680.	2.9	4

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91	Relationship Between White Matter Microstructure and Hallucination Severity in the Early Stages of Psychosis: A Diffusion Tensor Imaging Study. <i>Schizophrenia Bulletin Open</i> , 2021, 2, .	1.7	4
92	Review of Mental Health Consequences of the Great East Japan Earthquake through Long-Term Epidemiological Studies: The Shichigahama Health Promotion Project. <i>Tohoku Journal of Experimental Medicine</i> , 2022, 257, 85-95.	1.2	4
93	Breakout Session 3 Summary: Psychosocial/Mental Health Concerns and Building Community Resilience. <i>Disaster Medicine and Public Health Preparedness</i> , 2014, 8, 363-365.	1.3	3
94	Experiences of perinatal women and public healthcare providers in a community affected by the great east Japan earthquake and tsunami: Concerns that must be considered for the mental healthcare of perinatal women in postdisaster settings. <i>International Journal of Disaster Risk Reduction</i> , 2020, 51, 101767.	3.9	3
95	Machine learning to reveal hidden risk combinations for the trajectory of posttraumatic stress disorder symptoms. <i>Scientific Reports</i> , 2020, 10, 21726.	3.3	3
96	Design and Progress of Oral Health Examinations in the Tohoku Medical Megabank Project. <i>Tohoku Journal of Experimental Medicine</i> , 2020, 251, 97-115.	1.2	3
97	Impact of type of reconstructed residence on social participation and mental health of population displaced by disasters. <i>Scientific Reports</i> , 2021, 11, 21465.	3.3	3
98	Maternal personality and postpartum mental disorders in Japan: the Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study. <i>Scientific Reports</i> , 2022, 12, 6400.	3.3	3
99	Lack of Effect of Haloperidol or Methamphetamine Treatment on the mRNA Levels of Two Dopamine D ₂ Receptor Isoforms in Rat Brain. <i>Psychiatry and Clinical Neurosciences</i> , 1992, 46, 967-973.	1.8	2
100	Minimal amount of tissue-based pH measurement to improve quality control in neuropsychiatric post-mortem brain studies. <i>Psychiatry and Clinical Neurosciences</i> , 2019, 73, 566-573.	1.8	2
101	Families' Health after the Great East Japan Earthquake: Findings from the Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study. <i>Tohoku Journal of Experimental Medicine</i> , 2022, 256, 93-101.	1.2	2
102	Prefabricated Temporary Housing and Eczema or Respiratory Symptoms in Schoolchildren after the Great East Japan Earthquake: The ToMMo Child Health Study. <i>Disaster Medicine and Public Health Preparedness</i> , 2019, 13, 905-911.	1.3	1
103	A single nucleotide polymorphism (rs250 A/C) of the GFAP gene is associated with brain structures and cerebral blood flow. <i>Psychiatry and Clinical Neurosciences</i> , 2020, 74, 49-55.	1.8	1
104	Association Between OLIG2 Gene SNP rs1059004 and Negative Self-Schema Constructing Trait Factors Underlying Susceptibility to Depression. <i>Frontiers in Psychiatry</i> , 2021, 12, 631475.	2.6	1
105	A psychiatric disorder risk polymorphism of rs1137099 is associated with multiple neuroimaging phenotypes in young healthy adults. <i>Psychiatry and Clinical Neurosciences</i> , 2022, 76, 271-273.	1.8	1
106	Localization of the mRNAs for Two Dopamine D ₂ Receptor Isoforms in the Rat Brain. <i>Psychiatry and Clinical Neurosciences</i> , 1991, 45, 897-902.	1.8	0
107	Possibilities for a Composite Approach: Summary of the Disaster Gerontology Panel at the International College of Geriatric Psychoneuropharmacology Annual Meeting (ICGP-2014). <i>Disaster Medicine and Public Health Preparedness</i> , 2015, 9, 478-479.	1.3	0
108	White matter volume not associated with hallucinations in clinical high risk and first-episode psychosis: A voxel-based morphometry study. <i>Psychiatry and Clinical Neurosciences</i> , 2021, 75, 299-301.	1.8	0

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109	Five-Year Psychosocial Impact of Living in Postdisaster Prefabricated Temporary Housing. Disaster Medicine and Public Health Preparedness, 2021, , 1-9.	1.3	0
110	The influence of NRXN1 on systemizing and the brain structure in healthy adults. Brain Imaging and Behavior, 2021, , 1.	2.1	0
111	Surface translocation of Kir2.1 channel induces IL-1 β secretion in microglia. Molecular and Cellular Neurosciences, 2022, 120, 103734.	2.2	0
112	RELN rs7341475 associates with brain structure in japanese healthy females. Neuroscience, 2022, , .	2.3	0