

# Hiroaki Tomita

## List of Publications by Citations

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105  
papers

2,383  
citations

24  
h-index

46  
g-index

117  
ext. papers

2,953  
ext. citations

5.4  
avg, IF

4.02  
L-index

#	Paper	IF	Citations
105	Effect of agonal and postmortem factors on gene expression profile: quality control in microarray analyses of postmortem human brain. <i>Biological Psychiatry</i> , <b>2004</b> , 55, 346-52	7.9	260
104	Systematic changes in gene expression in postmortem human brains associated with tissue pH and terminal medical conditions. <i>Human Molecular Genetics</i> , <b>2004</b> , 13, 609-16	5.6	218
103	A SNP in the ABCC11 gene is the determinant of human earwax type. <i>Nature Genetics</i> , <b>2006</b> , 38, 324-30	36.3	204
102	Gender-specific gene expression in post-mortem human brain: localization to sex chromosomes. <i>Neuropsychopharmacology</i> , <b>2004</b> , 29, 373-84	8.7	172
101	The Tohoku Medical Megabank Project: Design and Mission. <i>Journal of Epidemiology</i> , <b>2016</b> , 26, 493-511	3.4	141
100	Microarray technology: a review of new strategies to discover candidate vulnerability genes in psychiatric disorders. <i>American Journal of Psychiatry</i> , <b>2003</b> , 160, 657-66	11.9	122
99	Design and characterization of a highly selective peptide inhibitor of the small conductance calcium-activated K <sup>+</sup> channel, SkCa <sub>2</sub> . <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 43145-51	5.4	90
98	Mutations in PRRT2 responsible for paroxysmal kinesigenic dyskinesias also cause benign familial infantile convulsions. <i>Journal of Human Genetics</i> , <b>2012</b> , 57, 338-41	4.3	70
97	Missense mutations in the DNA-binding/dimerization domain of NFIX cause Sotos-like features. <i>Journal of Human Genetics</i> , <b>2012</b> , 57, 207-11	4.3	46
96	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> , <b>2007</b> , 52, 334-341	4.3	45
95	G protein-linked signaling pathways in bipolar and major depressive disorders. <i>Frontiers in Genetics</i> , <b>2013</b> , 4, 297	4.5	43
94	Cohort Profile: Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study (TMM BirThree Cohort Study): rationale, progress and perspective. <i>International Journal of Epidemiology</i> , <b>2020</b> , 49, 18-19m	7.8	43
93	Nuclear localization and dominant-negative suppression by a mutant SKCa <sub>3</sub> N-terminal channel fragment identified in a patient with schizophrenia. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 27753-6	5.4	41
92	An apamin- and scyllatoxin-insensitive isoform of the human SK3 channel. <i>Molecular Pharmacology</i> , <b>2004</b> , 65, 788-801	4.3	37
91	Linking Activation of Microglia and Peripheral Monocytic Cells to the Pathophysiology of Psychiatric Disorders. <i>Frontiers in Cellular Neuroscience</i> , <b>2016</b> , 10, 144	6.1	33
90	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> , <b>2017</b> , 71, 52-60	6.2	32
89	The gene for mesomelic dysplasia Kantaputra type is mapped to chromosome 2q24-q32. <i>Journal of Human Genetics</i> , <b>1998</b> , 43, 32-6	4.3	32

88	Monoamine transporter as a target molecule for psychostimulants. <i>International Review of Neurobiology</i> , <b>2009</b> , 85, 29-33	4.4	31
87	Microglial production of TNF-alpha is a key element of sustained fear memory. <i>Brain, Behavior, and Immunity</i> , <b>2017</b> , 59, 313-321	16.6	29
86	Prospect of future housing and risk of psychological distress at 1 year after an earthquake disaster. <i>Psychiatry and Clinical Neurosciences</i> , <b>2016</b> , 70, 182-9	6.2	26
85	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> , <b>2015</b> , 110, 124-35	7.9	26
84	SK3-1C, a dominant-negative suppressor of SKCa and IKCa channels. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 6893-904	5.4	26
83	The associations among the dopamine D2 receptor Taq1, emotional intelligence, creative potential measured by divergent thinking, and motivational state and these associationsRsex differences. <i>Frontiers in Psychology</i> , <b>2015</b> , 6, 912	3.4	25
82	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> , <b>2002</b> , 47, 136-9	4.3	24
81	Genome analyses for the Tohoku Medical Megabank Project towards establishment of personalized healthcare. <i>Journal of Biochemistry</i> , <b>2019</b> , 165, 139-158	3.1	24
80	Study Profile of the Tohoku Medical Megabank Community-Based Cohort Study. <i>Journal of Epidemiology</i> , <b>2021</b> , 31, 65-76	3.4	24
79	Effects of the BDNF Val66Met Polymorphism on Gray Matter Volume in Typically Developing Children and Adolescents. <i>Cerebral Cortex</i> , <b>2016</b> , 26, 1795-803	5.1	23
78	A 1.2-megabase BAC/PAC contig spanning the 14q13 breakpoint of t(2; 14) in a mirror-image polydactyly patient. <i>Genomics</i> , <b>1997</b> , 45, 11-6	4.3	23
77	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> , <b>2016</b> , 70, 193-201	6.2	22
76	Increase of kainate receptor mRNA in the hippocampal CA3 of amygdala-kindled rats detected by in situ hybridization. <i>Life Sciences</i> , <b>1993</b> , 53, 857-64	6.8	20
75	Psychological distress and the incident risk of functional disability in elderly survivors after the Great East Japan Earthquake. <i>Journal of Affective Disorders</i> , <b>2017</b> , 221, 145-150	6.6	19
74	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> , <b>2015</b> , 9, 374-81	2.8	17
73	Sample matching by inferred agonal stress in gene expression analyses of the brain. <i>BMC Genomics</i> , <b>2007</b> , 8, 336	4.5	17
72	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> , <b>2018</b> , 28, 206-213	4.5	16
71	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> , <b>2015</b> , 237, 297-305	2.4	16

70	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 Neuroscience</i> , <b>2019</b> , 73, 642-648	6.2	15
69	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> , <b>2020</b> , 40, 281-286	2.2	15
68	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 Neuroscience</i> , <b>2018</b> , 72, 821-835	6.2	15
67	Mapping of the wet/dry earwax locus to the pericentromeric region of chromosome 16. <i>Lancet, The</i> , <b>2002</b> , 359, 2000-2	4.0	15
66	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> , <b>2015</b> , 237, 83-90	2.4	14
65	Application of microarray technology in primate behavioral neuroscience research. <i>Methods</i> , <b>2006</b> , 38, 227-34	4.6	14
64	Characterization of a cloned rat serotonin 5-HT <sub>1A</sub> receptor expressed in the HeLa cell line. <i>Life Sciences</i> , <b>1993</b> , 52, 949-58	6.8	13
63	Therapeutic concentration of lithium stimulates complement C3 production in dendritic cells and microglia via GSK-3 inhibition. <i>Glia</i> , <b>2015</b> , 63, 257-70	9	12
62	Severity of eczema and mental health problems in Japanese schoolchildren: The ToMMo Child Health Study. <i>Allergology International</i> , <b>2018</b> , 67, 481-486	4.4	12
61	Post-disaster mental health and psychosocial support in the areas affected by the Great East Japan Earthquake: a qualitative study. <i>BMC Psychiatry</i> , <b>2019</b> , 19, 261	4.2	11
60	Protocol and Research Perspectives of the ToMMo Child Health Study after the 2011 Great East Japan Earthquake. <i>Tohoku Journal of Experimental Medicine</i> , <b>2015</b> , 236, 123-30	2.4	11
59	Expression analysis of a novel mRNA variant of the schizophrenia risk gene ZNF804A. <i>Schizophrenia Research</i> , <b>2012</b> , 141, 277-8	3.6	11
58	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> , <b>2017</b> , 242, 203-213	2.4	10
57	Fluorescently activated cell sorting followed by microarray profiling of helper T cell subtypes from human peripheral blood. <i>PLoS ONE</i> , <b>2014</b> , 9, e111405	3.7	10
56	Four mood stabilizers commonly induce FEZ1 expression in human astrocytes. <i>Bipolar Disorders</i> , <b>2011</b> , 13, 486-99	3.8	10
55	Sex differences in the effects of adolescent social deprivation on alcohol consumption in opioid receptor knockout mice. <i>Psychopharmacology</i> , <b>2015</b> , 232, 1471-82	4.7	9
54	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> , <b>2016</b> , 16, 349-354	1.8	9
53	Psychological Distress and the Risk of Withdrawing From Hypertension Treatment After an Earthquake Disaster. <i>Disaster Medicine and Public Health Preparedness</i> , <b>2017</b> , 11, 179-182	2.8	8

52	Genome-wide association meta-analysis and Mendelian randomization analysis confirm the influence of ALDH2 on sleep duration in the Japanese population. <i>Sleep</i> , <b>2019</b> , 42,	1.1	8
51	Improved metabolomic data-based prediction of depressive symptoms using nonlinear machine learning with feature selection. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 157	8.6	8
50	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> , <b>2018</b> , 232, 1-8	6.6	8
49	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> , <b>2017</b> , 24, 183-188	4.5	8
48	The VEGF gene polymorphism impacts brain volume and arterial blood volume. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 3516-3526	5.9	7
47	Ethnicity-Dependent Effects of Schizophrenia Risk Variants of the OLIG2 Gene on OLIG2 Transcription and White Matter Integrity. <i>Schizophrenia Bulletin</i> , <b>2020</b> , 46, 1619-1628	1.3	7
46	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> , <b>2019</b> , 14, e0221768	3.7	6
45	A Common CACNA1C Gene Risk Variant has Sex-Dependent Effects on Behavioral Traits and Brain Functional Activity. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 3211-3219	5.1	6
44	Polymorphisms in the microglial marker molecule CX3CR1 affect the blood volume of the human brain. <i>Psychiatry and Clinical Neurosciences</i> , <b>2018</b> , 72, 409-422	6.2	5
43	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> , <b>2016</b> , 239, 307-14	2.4	5
42	Association Between Autistic Symptoms and Self-Stigma in Patients with Schizophrenia Spectrum Disorders. <i>Neuropsychiatric Disease and Treatment</i> , <b>2020</b> , 16, 2553-2561	3.1	4
41	Machine learning for effectively avoiding overfitting is a crucial strategy for the genetic prediction of polygenic psychiatric phenotypes. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 294	8.6	4
40	Effect of the interaction between BDNF Val66Met polymorphism and daily physical activity on mean diffusivity. <i>Brain Imaging and Behavior</i> , <b>2020</b> , 14, 806-820	4.1	4
39	Strategic Methods for Recruiting Grandparents: The Tohoku Medical Megabank Birth and Three-Generation Cohort Study. <i>Tohoku Journal of Experimental Medicine</i> , <b>2018</b> , 246, 97-105	2.4	4
38	Deficient Autophagy in Microglia Aggravates Repeated Social Defeat Stress-Induced Social Avoidance.. <i>Neural Plasticity</i> , <b>2022</b> , 2022, 7503553	3.3	4
37	Breakout session 3 summary: psychosocial/mental health concerns and building community resilience. <i>Disaster Medicine and Public Health Preparedness</i> , <b>2014</b> , 8, 363-5	2.8	3
36	The delivery of a placenta/fetus with high gonadal steroid production contributes to postpartum depressive symptoms. <i>Depression and Anxiety</i> , <b>2021</b> , 38, 422-430	8.4	3
35	The mental health problems of public health center staff during the COVID-19 pandemic in Japan. <i>Asian Journal of Psychiatry</i> , <b>2021</b> , 61, 102676	6.7	3

34	Polygenic risk score for bipolar disorder associates with divergent thinking and brain structures in the prefrontal cortex. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 6028-6037	5.9	3
33	Effect of a novel nasal oxytocin spray with enhanced bioavailability on autism: a randomized trial.. <i>Brain</i> , <b>2022</b> ,	11.2	3
32	Lack of effect of haloperidol or methamphetamine treatment on the mRNA levels of two dopamine D2 receptor isoforms in rat brain. <i>Psychiatry and Clinical Neurosciences</i> , <b>1992</b> , 46, 967-73	6.2	2
31	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> , <b>2020</b> , 17,	4.6	2
30	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> , <b>2020</b> , 20, 1271	4.1	2
29	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> , <b>2021</b> , 21, 925	4.1	2
28	Tumor necrosis factor $\beta$ negatively regulates the retrieval and reconsolidation of hippocampus-dependent memory. <i>Brain, Behavior, and Immunity</i> , <b>2021</b> , 94, 79-88	16.6	2
27	Sex-Dependent Effects of the APOE e4 Allele on Behavioral Traits and White Matter Structures in Young Adults. <i>Cerebral Cortex</i> , <b>2021</b> , 31, 672-680	5.1	2
26	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> , <b>2021</b> , 295, 632-638	6.6	2
25	Minimal amount of tissue-based pH measurement to improve quality control in neuropsychiatric post-mortem brain studies. <i>Psychiatry and Clinical Neurosciences</i> , <b>2019</b> , 73, 566-573	6.2	1
24	Design and Progress of Oral Health Examinations in the Tohoku Medical Megabank Project. <i>Tohoku Journal of Experimental Medicine</i> , <b>2020</b> , 251, 97-115	2.4	1
23	A single nucleotide polymorphism (-250 A/C) of the GFAP gene is associated with brain structures and cerebral blood flow. <i>Psychiatry and Clinical Neurosciences</i> , <b>2020</b> , 74, 49-55	6.2	1
22	Machine learning to reveal hidden risk combinations for the trajectory of posttraumatic stress disorder symptoms. <i>Scientific Reports</i> , <b>2020</b> , 10, 21726	4.9	1
21	Microglial Gene Expression Alterations in the Brains of Patients with Psychiatric Disorders. <i>Advances in Neuroimmune Biology</i> , <b>2016</b> , 6, 83-93	0.7	1
20	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> , <b>2019</b> , 13, 905-911	2.8	1
19	Neural network modeling of altered facial expression recognition in autism spectrum disorders based on predictive processing framework. <i>Scientific Reports</i> , <b>2021</b> , 11, 14684	4.9	1
18	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> , <b>2021</b> , 295, 552-558	6.6	1
17	dbTMM: an integrated database of large-scale cohort, genome and clinical data for the Tohoku Medical Megabank Project. <i>Human Genome Variation</i> , <b>2021</b> , 8, 44	1.8	1

16	Maternal personality and postpartum mental disorders in Japan: the Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6400	4.9	1
15	Genome-wide association study of axial length in population-based cohorts in Japan: The ToMMo Eye Study. <i>Ophthalmology Science</i> , <b>2022</b> , 100113		0
14	Impact of type of reconstructed residence on social participation and mental health of population displaced by disasters. <i>Scientific Reports</i> , <b>2021</b> , 11, 21465	4.9	0
13	Japanese project for telepsychiatry evaluation during COVID-19: Treatment comparison trial (J-PROTECT): Rationale, design, and methodology. <i>Contemporary Clinical Trials</i> , <b>2021</b> , 111, 106596	2.3	0
12	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> , <b>2020</b> , 6, 30	6.1	0
11	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> , <b>2022</b> , 51, 101747	4.5	0
10	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> , <b>2021</b> , 21, 464	4.2	0
9	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> , <b>2022</b> , 256, 93-101	2.4	0
8	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> , <b>2015</b> , 9, 478-9	2.8	
7	Localization of the mRNAs for two dopamine D2 receptor isoforms in the rat brain. <i>Psychiatry and Clinical Neurosciences</i> , <b>1991</b> , 45, 897-902	6.2	
6	Association Between Gene SNP rs1059004 and Negative Self-Schema Constructing Trait Factors Underlying Susceptibility to Depression. <i>Frontiers in Psychiatry</i> , <b>2021</b> , 12, 631475	5	
5	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> , <b>2021</b> , 75, 299-301	6.2	
4	Five-Year Psychosocial Impact of Living in Postdisaster Prefabricated Temporary Housing. <i>Disaster Medicine and Public Health Preparedness</i> , <b>2021</b> , 1-9	2.8	
3	The influence of NRXN1 on systemizing and the brain structure in healthy adults. <i>Brain Imaging and Behavior</i> , <b>2021</b> , 1	4.1	
2	A psychiatric disorder risk polymorphism of ITIH3 is associated with multiple neuroimaging phenotypes in young healthy adults.. <i>Psychiatry and Clinical Neurosciences</i> , <b>2022</b> ,	6.2	
1	Surface translocation of Kir2.1 channel induces IL-1 $\beta$ secretion in microglia.. <i>Molecular and Cellular Neurosciences</i> , <b>2022</b> , 120, 103734	4.8	