

Fumihiko Matsuda

List of Publications by Year in descending order

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87
papers

6,245
citations

126907

33
h-index

71685

76
g-index

90
all docs

90
docs citations

90
times ranked

11995
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated molecular analysis of adult T cell leukemia/lymphoma. <i>Nature Genetics</i> , 2015, 47, 1304-1315.	21.4	659
2	Cloning of cDNA encoding the murine IgG1 induction factor by a novel strategy using SP6 promoter. <i>Nature</i> , 1986, 319, 640-646.	27.8	506
3	Allymphoplasia is caused by a point mutation in the mouse gene encoding Nf- κ b-inducing kinase. <i>Nature Genetics</i> , 1999, 22, 74-77.	21.4	431
4	Caspase-mediated cleavage of phospholipid flippase for apoptotic phosphatidylserine exposure. <i>Science</i> , 2014, 344, 1164-1168.	12.6	425
5	Structure and physical map of 64 variable segments in the 3.8 megabase region of the human immunoglobulin heavy chain locus. <i>Nature Genetics</i> , 1993, 3, 88-94.	21.4	322
6	Mitochondrial activation chemicals synergize with surface receptor PD-1 blockade for T cell-dependent antitumor activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E761-E770.	7.1	295
7	Meta-analysis identifies nine new loci associated with rheumatoid arthritis in the Japanese population. <i>Nature Genetics</i> , 2012, 44, 511-516.	21.4	285
8	Human genetic variation database, a reference database of genetic variations in the Japanese population. <i>Journal of Human Genetics</i> , 2016, 61, 547-553.	2.3	270
9	A regulatory variant in CCR6 is associated with rheumatoid arthritis susceptibility. <i>Nature Genetics</i> , 2010, 42, 515-519.	21.4	241
10	Genetic Polymorphisms of the Human PNPLA3 Gene Are Strongly Associated with Severity of Non-Alcoholic Fatty Liver Disease in Japanese. <i>PLoS ONE</i> , 2012, 7, e38322.	2.5	228
11	Large-scale genetic study in East Asians identifies six new loci associated with colorectal cancer risk. <i>Nature Genetics</i> , 2014, 46, 533-542.	21.4	212
12	HLA*HD: An accurate HLA typing algorithm for next-generation sequencing data. <i>Human Mutation</i> , 2017, 38, 788-797.	2.5	158
13	The FOXE1 locus is a major genetic determinant for radiation-related thyroid carcinoma in Chernobyl. <i>Human Molecular Genetics</i> , 2010, 19, 2516-2523.	2.9	145
14	B cell-derived GABA elicits IL-10+ macrophages to limit anti-tumour immunity. <i>Nature</i> , 2021, 599, 471-476.	27.8	145
15	Prevalence of Cardiovascular Disease and Its Risk Factors in Primary Aldosteronism. <i>Hypertension</i> , 2018, 71, 530-537.	2.7	144
16	A Genome-Wide Association Analysis Identified a Novel Susceptible Locus for Pathological Myopia at 11q24.1. <i>PLoS Genetics</i> , 2009, 5, e1000660.	3.5	131
17	Large-Scale East-Asian eQTL Mapping Reveals Novel Candidate Genes for LD Mapping and the Genomic Landscape of Transcriptional Effects of Sequence Variants. <i>PLoS ONE</i> , 2014, 9, e100924.	2.5	108
18	Exome Sequencing Landscape Analysis in Ovarian Clear Cell Carcinoma Shed Light on Key Chromosomal Regions and Mutation Gene Networks. <i>American Journal of Pathology</i> , 2017, 187, 2246-2258.	3.8	104

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19	Identification of Susceptibility Loci and Genes for Colorectal Cancer Risk. <i>Gastroenterology</i> , 2016, 150, 1633-1645.	1.3	97
20	The human AIRE gene at chromosome 21q22 is a genetic determinant for the predisposition to rheumatoid arthritis in Japanese population. <i>Human Molecular Genetics</i> , 2011, 20, 2680-2685.	2.9	90
21	Metabolic shift induced by systemic activation of T cells in PD-1-deficient mice perturbs brain monoamines and emotional behavior. <i>Nature Immunology</i> , 2017, 18, 1342-1352.	14.5	83
22	The FOXE1 and NKX2-1 loci are associated with susceptibility to papillary thyroid carcinoma in the Japanese population. <i>Journal of Medical Genetics</i> , 2011, 48, 645-648.	3.2	76
23	Contribution of a Non-classical HLA Gene, HLA-DOA, to the Risk of Rheumatoid Arthritis. <i>American Journal of Human Genetics</i> , 2016, 99, 366-374.	6.2	68
24	Anti-citrullinated peptide antibody-negative RA is a genetically distinct subset: a definitive study using only bone-erosive ACPA-negative rheumatoid arthritis. <i>Rheumatology</i> , 2010, 49, 2298-2304.	1.9	61
25	Combination of host immune metabolic biomarkers for the PD-1 blockade cancer immunotherapy. <i>JCI Insight</i> , 2020, 5, .	5.0	58
26	Association of variations in HLA class II and other loci with susceptibility to EGFR-mutated lung adenocarcinoma. <i>Nature Communications</i> , 2016, 7, 12451.	12.8	49
27	Impact of sleep characteristics and obesity on diabetes and hypertension across genders and menopausal status: the Nagahama study. <i>Sleep</i> , 2018, 41, .	1.1	48
28	A large-scale association study identified multiple HLA-DRB1 alleles associated with ACPA-negative rheumatoid arthritis in Japanese subjects. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, 2134-2139.	0.9	42
29	Digenic mutations in <i>ALDH2</i> and <i>ADH5</i> impair formaldehyde clearance and cause a multisystem disorder, AMeD syndrome. <i>Science Advances</i> , 2020, 6, .	10.3	39
30	IgG4-related disease in the Japanese population: a genome-wide association study. <i>Lancet Rheumatology</i> , The, 2019, 1, e14-e22.	3.9	37
31	The Common Genetic Variant rs944289 on Chromosome 14q13.3 Associates with Risk of Both Malignant and Benign Thyroid Tumors in the Japanese Population. <i>Thyroid</i> , 2015, 25, 333-340.	4.5	36
32	Genomewide Association Study of Leisure-Time Exercise Behavior in Japanese Adults. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 2433-2441.	0.4	36
33	Genome-wide association meta-analysis identifies GP2 gene risk variants for pancreatic cancer. <i>Nature Communications</i> , 2020, 11, 3175.	12.8	34
34	ACPA-Negative RA Consists of Two Genetically Distinct Subsets Based on RF Positivity in Japanese. <i>PLoS ONE</i> , 2012, 7, e40067.	2.5	33
35	Myelin Basic Protein as a Novel Genetic Risk Factor in Rheumatoid Arthritis—A Genome-Wide Study Combined with Immunological Analyses. <i>PLoS ONE</i> , 2011, 6, e20457.	2.5	29
36	A novel susceptibility locus in the IL12B region is associated with the pathophysiology of Takayasu arteritis through IL-12p40 and IL-12p70 production. <i>Arthritis Research and Therapy</i> , 2017, 19, 197.	3.5	29

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37	Prevalence and physical characteristics of locomotive syndrome stages as classified by the new criteria 2020 in older Japanese people: results from the Nagahama study. <i>BMC Geriatrics</i> , 2021, 21, 489.	2.7	27
38	Rheumatoid Factor Is Associated With the Distribution of Hand Joint Destruction in Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2015, 67, 3113-3123.	5.6	25
39	Prediction model for pancreatic cancer risk in the general Japanese population. <i>PLoS ONE</i> , 2018, 13, e0203386.	2.5	25
40	Comprehensive assessment of the expression of the SWI/SNF complex defines two distinct prognostic subtypes of ovarian clear cell carcinoma. <i>Oncotarget</i> , 2016, 7, 54758-54770.	1.8	25
41	Combined association of clinical and lifestyle factors with non-restorative sleep: The Nagahama Study. <i>PLoS ONE</i> , 2017, 12, e0171849.	2.5	24
42	Anti-citrullinated peptide/protein antibody (ACPA)-negative RA shares a large proportion of susceptibility loci with ACPA-positive RA: a meta-analysis of genome-wide association study in a Japanese population. <i>Arthritis Research and Therapy</i> , 2015, 17, 104.	3.5	23
43	Legacy Data Confound Genomics Studies. <i>Molecular Biology and Evolution</i> , 2020, 37, 2-10.	8.9	23
44	Gastroesophageal Reflux Disease Symptoms and Dietary Behaviors are Significant Correlates of Short Sleep Duration in the General Population: The Nagahama Study. <i>Sleep</i> , 2014, 37, 1809-1815.	1.1	22
45	Live-born diploid fetus complicated with partial molar pregnancy presenting with pre-eclampsia, maternal anemia, and seemingly huge placenta: A rare case of confined placental mosaicism and literature review. <i>Journal of Obstetrics and Gynaecology Research</i> , 2016, 42, 911-917.	1.3	21
46	Knee Pain and Low Back Pain Additively Disturb Sleep in the General Population: A Cross-Sectional Analysis of the Nagahama Study. <i>PLoS ONE</i> , 2015, 10, e0140058.	2.5	20
47	Genotype Analyses in the Japanese and Belarusian Populations Reveal Independent Effects of rs965513 and rs1867277 but Do Not Support the Role of <i>FOXE1</i> Polyalanine Tract Length in Conferring Risk for Papillary Thyroid Carcinoma. <i>Thyroid</i> , 2017, 27, 224-235.	4.5	18
48	Prognostic Significance of Spot Urine Na/K for Longitudinal Changes in Blood Pressure and Renal Function: The Nagahama Study. <i>American Journal of Hypertension</i> , 2017, 30, 899-906.	2.0	17
49	Genetic basis for plasma amino acid concentrations based on absolute quantification: a genome-wide association study in the Japanese population. <i>European Journal of Human Genetics</i> , 2019, 27, 621-630.	2.8	16
50	Identification of lung cancer histology-specific variants applying Bayesian framework variant prioritization approaches within the TRICL and ILCCO consortia. <i>Carcinogenesis</i> , 2015, 36, 1314-1326.	2.8	15
51	GWAS analysis reveals a significant contribution of PSCA to the risk of <i>Helicobacter pylori</i> -induced gastric atrophy. <i>Carcinogenesis</i> , 2019, 40, 661-668.	2.8	13
52	Extracellular-to-intracellular water ratios are associated with functional disability levels in patients with knee osteoarthritis: results from the Nagahama Study. <i>Clinical Rheumatology</i> , 2021, 40, 2889-2896.	2.2	12
53	Longitudinal Analysis of Bidirectional Relationships between Nocturia and Depressive Symptoms: The Nagahama Study. <i>Journal of Urology</i> , 2020, 203, 984-990.	0.4	12
54	<i>Staphylococcus aureus</i> enterotoxin sensitization involvement and its association with the CysLTR1 variant in different asthma phenotypes. <i>Annals of Allergy, Asthma and Immunology</i> , 2017, 118, 197-203.	1.0	10

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55	Population dynamics in the Japanese Archipelago since the Pleistocene revealed by the complete mitochondrial genome sequences. <i>Scientific Reports</i> , 2021, 11, 12018.	3.3	10
56	Genome-wide association study of individual differences of human lymphocyte profiles using large-scale cytometry data. <i>Journal of Human Genetics</i> , 2021, 66, 557-567.	2.3	9
57	Genome wide association study of HTLV-1-associated myelopathy/tropical spastic paraparesis in the Japanese population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
58	A trans-ethnic genetic study of rheumatoid arthritis identified FCGR2A as a candidate common risk factor in Japanese and European populations. <i>Modern Rheumatology</i> , 2012, 22, 52-58.	1.8	8
59	Whole-exome sequencing in a Japanese family with highly aggregated diabetes identifies a candidate susceptibility mutation in ADAMTSL3. <i>Diabetes Research and Clinical Practice</i> , 2018, 135, 143-149.	2.8	7
60	Relationship of low muscle mass and obesity with physical function in community dwelling older adults: Results from the Nagahama study. <i>Archives of Gerontology and Geriatrics</i> , 2020, 88, 103987.	3.0	7
61	Age-related changes in gait speeds and asymmetry during circular gait and straight-line gait in older individuals aged 60-79 years. <i>Geriatrics and Gerontology International</i> , 2021, 21, 404-410.	1.5	7
62	Differences between subjective and objective sleep duration according to actual sleep duration and sleep-disordered breathing: the Nagahama Study. <i>Journal of Clinical Sleep Medicine</i> , 2022, 18, 851-859.	2.6	7
63	HLA-DRB1 Analysis Identified a Genetically Unique Subset within Rheumatoid Arthritis and Distinct Genetic Background of Rheumatoid Factor Levels from Anticyclic Citrullinated Peptide Antibodies. <i>Journal of Rheumatology</i> , 2018, 45, 470-480.	2.0	6
64	Validation of genotype imputation in Southeast Asian populations and the effect of single nucleotide polymorphism annotation on imputation outcome. <i>BMC Medical Genetics</i> , 2018, 19, 23.	2.1	6
65	Deep convolutional neural network-based algorithm for muscle biopsy diagnosis. <i>Laboratory Investigation</i> , 2022, 102, 220-226.	3.7	6
66	A human PSMB11 variant affects thymoproteasome processing and CD8+ T cell production. <i>JCI Insight</i> , 2017, 2, .	5.0	6
67	Cohort Profile: The Nagahama Prospective Genome Cohort for Comprehensive Human Bioscience (The Nagahama Cohort). <i>Genetics and Global Health</i> , 2021, 18, 1000000.	0.6	0
68	Comprehensive HLA Typing from a Current Allele Database Using Next-Generation Sequencing Data. <i>Methods in Molecular Biology</i> , 2018, 1802, 225-233.	0.9	5
69	National platform for Rare Diseases Data Registry of Japan. <i>Learning Health Systems</i> , 2019, 3, e10080.	2.0	5
70	High-Definition Genomic Analysis of HLA Genes Via Comprehensive HLA Allele Genotyping. <i>Methods in Molecular Biology</i> , 2020, 2131, 31-38.	0.9	5
71	Correlates of autonomic nervous system function in a general population with special reference to HbA1c: The Nagahama study. <i>Diabetes Research and Clinical Practice</i> , 2020, 163, 108126.	2.8	4
72	A trans-ethnic genetic study of rheumatoid arthritis identified FCGR2A as a candidate common risk factor in Japanese and European populations. <i>Modern Rheumatology</i> , 2012, 22, 52-58.	1.8	4

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73	Hematopoietic Stem Cell Infected with HTLV-1 Functions As a Viral Reservoir In Vivo. <i>Blood</i> , 2016, 128, 1343-1343.	1.4	4
74	Ultrasonographic Changes of the Knee Joint Reflect Symptoms of Early Knee Osteoarthritis in General Population; The Nagahama Study. <i>Cartilage</i> , 2022, 13, 194760352210774.	2.7	4
75	Genetic landscape of interactive effects of HLA-DRB1 alleles on susceptibility to ACPA(+) rheumatoid arthritis and ACPA levels in Japanese population. <i>Journal of Medical Genetics</i> , 2017, 54, 853-858.	3.2	3
76	Gastroesophageal reflux disease is a risk factor for sputum production in the general population: the Nagahama study. <i>Respiratory Research</i> , 2021, 22, 6.	3.6	3
77	Accurate diagnosis of mismatch repair deficiency in colorectal cancer using high-quality DNA samples from cultured stem cells. <i>Oncotarget</i> , 2018, 9, 37534-37548.	1.8	3
78	Impact of sleep-disordered breathing on glucose metabolism among individuals with a family history of diabetes: the Nagahama study. <i>Journal of Clinical Sleep Medicine</i> , 2021, 17, 129-140.	2.6	1
79	Coexistence of low back pain and lumbar kyphosis is associated with increased functional disability in knee osteoarthritis: the Nagahama Study. <i>Arthritis Care and Research</i> , 2021, , .	3.4	1
80	Markers of cardiovascular disease risk in sleep-disordered breathing with or without comorbidities: the Nagahama Study. <i>Journal of Clinical Sleep Medicine</i> , 2021, 17, 2467-2475.	2.6	1
81	Association Between Tooth Loss and Longitudinal Changes in B-Type Natriuretic Peptide Over 5 Years in Postmenopausal Women: The Nagahama Study. <i>Current Problems in Cardiology</i> , 2022, 47, 100997.	2.4	1
82	The Association Between L-Asparaginase Hypersensitivity and Genetic Variants in Japanese Childhood ALL Patients. <i>Blood</i> , 2016, 128, 5141-5141.	1.4	1
83	Metabolic syndrome and comorbidities in patients with psoriasis: a community-based case-control study from the Nagahama cohort in Japan. <i>European Journal of Dermatology</i> , 2022, 32, 86-93.	0.6	1
84	A Geometry-Based Multiple Testing Correction for Contingency Tables by Truncated Normal Distribution. <i>Statistics in Biosciences</i> , 2020, 12, 63-77.	1.2	0
85	Genetic Susceptibility Loci for Childhood Acute Lymphoblastic Leukemia Among Japanese. <i>Blood</i> , 2015, 126, 3731-3731.	1.4	0
86	Descriptive epidemiology of high frequency component based on heart rate variability from 10-second ECG data and daily physical activity among community adult residents: the Nagahama Study. <i>BioScience Trends</i> , 2020, 14, 241-247.	3.4	0
87	Establishment of a Comprehensive Information Infrastructure and a Support Organization for Rare Disease Research in Japan (RADDAR-J). <i>Studies in Health Technology and Informatics</i> , 2019, 264, 1080-1083.	0.3	0