Nobuo Fuse

List of Publications by Year
in descending order

87 papers	3,078 citations	186209 28 h-index	182361 51 g-index
87 all docs	87 docs citations	87 times ranked	4383 citing authors

#	Article	IF	Citations
1	Rare variant discovery by deep whole-genome sequencing of 1,070 Japanese individuals. Nature Communications, 2015, 6, 8018.	5.8	352
2	The Tohoku Medical Megabank Project: Design and Mission. Journal of Epidemiology, 2016, 26, 493-511.	1.1	236
3	Identification of a Novel Isoform of Microphthalmia-Associated Transcription Factor That Is Enriched in Retinal Pigment Epithelium. Biochemical and Biophysical Research Communications, 1998, 247, 710-715.	1.0	139
4	Identification of a Melanocyte-Type Promoter of the Microphthalmia-Associated Transcription Factor Gene. Biochemical and Biophysical Research Communications, 1996, 219, 702-707.	1.0	126
5	3.5KJPNv2: an allele frequency panel of 3552 Japanese individuals including the X chromosome. Human Genome Variation, 2019, 6, 28.	0.4	115
6	Genome-wide association study identifies seven novel susceptibility loci for primary open-angle glaucoma. Human Molecular Genetics, 2018, 27, 1486-1496.	1.4	111
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.	0.9	107
8	A common variant near TGFBR3 is associated with primary open angle glaucoma. Human Molecular Genetics, 2015, 24, 3880-3892.	1.4	105
9	Pitavastatin prevents NMDA-induced retinal ganglion cell death by suppressing leukocyte recruitment. Journal of Neurochemistry, 2007, 100, 1018-1031.	2.1	91
10	Study Profile of the Tohoku Medical Megabank Community-Based Cohort Study. Journal of Epidemiology, 2021, 31, 65-76.	1.1	81
11	A Big Gene Linked to Small Eyes Encodes Multiple Mitf Isoforms: Many Promoters Make Light Work. Pigment Cell & Melanoma Research, 1998, 11, 329-336.	4.0	73
12	Molecular Genetic Analysis of Optineurin Gene for Primary Open-Angle and Normal Tension Glaucoma in the Japanese Population. Journal of Glaucoma, 2004, 13, 299-303.	0.8	73
13	Evaluation of LOXL1 polymorphisms in eyes with exfoliation glaucoma in Japanese. Molecular Vision, 2008, 14, 1338-43.	1.1	65
14	Polymorphisms in Complement Factor H and Hemicentin-1 Genes in a Japanese Population With Dry-type Age-related Macular Degeneration. American Journal of Ophthalmology, 2006, 142, 1074-1076.	1.7	60
15	Genome-wide identification of inter-individually variable DNA methylation sites improves the efficacy of epigenetic association studies. Npj Genomic Medicine, 2017, 2, 11.	1.7	59
16	Auto Iris Pigment Epithelial Cell Transplantation in Patients with Age-Related Macular Degeneration: Short-Term Results. Tohoku Journal of Experimental Medicine, 2000, 191, 7-20.	0.5	57
17	Genetic Bases for Glaucoma. Tohoku Journal of Experimental Medicine, 2010, 221, 1-10.	0.5	52
18	Effect of Topical Tafluprost on Optic Nerve Head Blood Flow in Patients With Myopic Disc Type. Journal of Glaucoma, 2013, 22, 398-403.	0.8	45

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19	Clinicopathologic correlation and genetic analysis in a case of posterior polymorphous corneal dystrophy. American Journal of Ophthalmology, 2003, 135, 461-470.	1.7	43
20	SNPs and Interaction Analyses of Noelin 2, Myocilin, and Optineurin Genes in Japanese Patients with Open-Angle Glaucoma. , 2006, 47, 5368.		43
21	Genomeâ€wide association study identifies gastric cancer susceptibility loci at 12q24.11â€12 and 20q11.21. Cancer Science, 2018, 109, 4015-4024.	1.7	39
22	Omics research project on prospective cohort studies from the Tohoku Medical Megabank Project. Genes To Cells, 2018, 23, 406-417.	0.5	38
23	Neuroprotective effect of latanoprost on rat retinal ganglion cells. Graefe's Archive for Clinical and Experimental Ophthalmology, 2006, 244, 1003-1009.	1.0	37
24	Association between primary open-angle glaucoma and WDR36 DNA sequence variants in Japanese. Molecular Vision, 2007, 13, 1912-9.	1.1	36
25	Progression of Visual Field Defects in Eyes With Different Optic Disc Appearances in Patients With Normal Tension Glaucoma. Journal of Glaucoma, 2012, 21, 426-430.	0.8	35
26	Evaluation of reported pathogenic variants and their frequencies in a Japanese population based on a whole-genome reference panel of 2049 individuals. Journal of Human Genetics, 2018, 63, 213-230.	1.1	35
27	Genome-wide association meta-analysis identifies GP2 gene risk variants for pancreatic cancer. Nature Communications, 2020, 11, 3175.	5.8	34
28	Functional Analysis after Auto Iris Pigment Epithelial Cell Transplantation in Patients with Age-Related Macular Degeneration.. Tohoku Journal of Experimental Medicine, 1999, 189, 295-305.	0.5	33
29	Genome analyses for the Tohoku Medical Megabank Project towards establishment of personalized healthcare. Journal of Biochemistry, 2019, 165, 139-158.	0.9	33
30	Interleukin-1 attenuates normal tension glaucoma-like retinal degeneration in EAAC1-deficient mice. Neuroscience Letters, 2009, 465, 160-164.	1.0	29
31	Effective Treatment with Topical Cyclosporin A of a Patient with Cogan Syndrome. Ophthalmologica, 2000, 214, 429-432.	1.0	26
32	Eczema and Asthma Symptoms among Schoolchildren in Coastal and Inland Areas after the 2011 Great East Japan Earthquake: The ToMMo Child Health Study. Tohoku Journal of Experimental Medicine, 2015, 237, 297-305.	0.5	25
33	Genetic analysis of Japanese primary open-angle glaucoma patients and clinical characterization of risk alleles near CDKN2B-AS1, SIX6 and GAS7. PLoS ONE, 2017, 12, e0186678.	1.1	24
34	Different types of optic disc shape in patients with advanced open-angle glaucoma. Japanese Journal of Ophthalmology, 2010, 54, 291-295.	0.9	23
35	Identification of genetic alterations in extramammary Paget disease using whole exome analysis. Journal of Dermatological Science, 2019, 94, 229-235.	1.0	23
36	Acupuncture For Patients With Glaucoma. Explore: the Journal of Science and Healing, 2005, 1, 372-376.	0.4	22

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37	Polymorphism of beta-adrenergic receptors and susceptibility to open-angle glaucoma. Molecular Vision, 2006, 12, 673-80.	1.1	22
38	Establishment of Integrated Biobank for Precision Medicine and Personalized Healthcare: The Tohoku Medical Megabank Project. JMA Journal, 2019, 2, 113-122.	0.6	21
39	Ordered subset analysis supports a glaucoma locus at GLC1I on chromosome 15 in families with earlier adult age at diagnosis. Experimental Eye Research, 2006, 82, 1068-1074.	1.2	19
40	The structural origin of metabolic quantitative diversity. Scientific Reports, 2016, 6, 31463.	1.6	18
41	Mitochondrial DNA Mutations with Leber's Hereditary Optic Neuropathy in Japanese Patients with Open-Angle Glaucoma. Japanese Journal of Ophthalmology, 2006, 50, 128-134.	0.9	17
42	Successful Removal of Large Intraocular Foreign Body by 25-Gauge Microincision Vitrectomy Surgery. Journal of Ophthalmology, 2011, 2011, 1-4.	0.6	17
43	Ethnicity-Dependent Effects of Schizophrenia Risk Variants of the OLIG2 Gene on OLIG2 Transcription and White Matter Integrity. Schizophrenia Bulletin, 2020, 46, 1619-1628.	2.3	17
44	Japonica Array NEO with increased genome-wide coverage and abundant disease risk SNPs. Journal of Biochemistry, 2021, 170, 399-410.	0.9	17
45	Association of HK2 and NCK2 with Normal Tension Glaucoma in the Japanese Population. PLoS ONE, 2013, 8, e54115.	1.1	17
46	Identification of critical genetic variants associated with metabolic phenotypes of the Japanese population. Communications Biology, 2020, 3, 662.	2.0	16
47	Mutation spectrum of the CYP1B1 gene for congenital glaucoma in the Japanese population. Japanese Journal of Ophthalmology, 2010, 54, 1-6.	0.9	15
48	Protocol and Research Perspectives of the ToMMo Child Health Study after the 2011 Great East Japan Earthquake. Tohoku Journal of Experimental Medicine, 2015, 236, 123-130.	0.5	15
49	Association between the combined fat mass and fat-free mass index and hypertension: The Tohoku Medical Megabank Community-based Cohort Study. Clinical and Experimental Hypertension, 2021, 43, 610-621.	0.5	15
50	Regional genetic differences among Japanese populations and performance of genotype imputation using whole-genome reference panel of the Tohoku Medical Megabank Project. BMC Genomics, 2018, 19, 551.	1.2	14
51	Identification of a novel uterine leiomyoma GWAS locus in a Japanese population. Scientific Reports, 2020, 10, 1197.	1.6	14
52	Paraoxonase 1 gene polymorphisms influence clinical features of open-angle glaucoma. Graefe's Archive for Clinical and Experimental Ophthalmology, 2006, 244, 984-990.	1.0	13
53	A Histologic Categorization of Aqueous Outflow Routes in Familial Open-Angle Glaucoma and Associations With Mutations in the MYOC Gene in Japanese Patients. , 2017, 58, 2818.		13
54	Maternal Baseline Characteristics and Perinatal Outcomes: The Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study. Journal of Epidemiology, 2022, 32, 69-79.	1.1	13

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55	Genetic loci for lung function in Japanese adults with adjustment for exhaled nitric oxide levels as airway inflammation indicator. Communications Biology, 2021, 4, 1288.	2.0	13
56	Association between fat mass index, fatâ€free mass index and hemoglobin A1c in a Japanese population: The Tohoku Medical Megabank Communityâ€based Cohort Study. Journal of Diabetes Investigation, 2022, 13, 858-867.	1.1	13
57	Construction of full-length Japanese reference panel of class I HLA genes with single-molecule, real-time sequencing. Pharmacogenomics Journal, 2019, 19, 136-146.	0.9	12
58	Oral Microbiome Analysis in Prospective Genome Cohort Studies of the Tohoku Medical Megabank Project. Frontiers in Cellular and Infection Microbiology, 2020, 10, 604596.	1.8	12
59	Irreversible optical clearing of rabbit dermis for autogenic corneal stroma transplantation. Biomaterials, 2011, 32, 6764-6772.	5.7	11
60	EAAT1 variants associated with glaucoma. Biochemical and Biophysical Research Communications, 2020, 529, 943-949.	1.0	11
61	Fixed Combination of Travoprost and Timolol Maleate Reduces Intraocular Pressure in Japanese Patients with Primary Open-Angle Glaucoma or Ocular Hypertension: A Prospective Multicenter Open-Label Study. Advances in Therapy, 2015, 32, 823-837.	1.3	10
62	Maternity Log study: a longitudinal lifelog monitoring and multiomics analysis for the early prediction of complicated pregnancy. BMJ Open, 2019, 9, e025939.	0.8	10
63	Fixating Dislocated Intraocular Lens by 25-Gauge Vitrectomy. Ophthalmic Surgery Lasers and Imaging Retina, 2011, 42, 297-301.	0.4	10
64	Novel mutations in the FOXC1 gene in Japanese patients with Axenfeld-Rieger syndrome. Molecular Vision, 2007, 13, 1005-9.	1.1	10
65	mRNA Expression of Proto-Oncogenes and Platelet-Derived Growth Factor in Proliferative Vitreoretinal Diseases. Japanese Journal of Ophthalmology, 2000, 44, 308-311.	0.9	9
66	Visual Function with Acupuncture Tested by Visual Evoked Potential. Tohoku Journal of Experimental Medicine, 2006, 209, 235-241.	0.5	9
67	Construction of JRG (Japanese reference genome) with single-molecule real-time sequencing. Human Genome Variation, 2019, 6, 27.	0.4	9
68	The return of individual genomic results to research participants: design and pilot study of Tohoku Medical Megabank Project. Journal of Human Genetics, 2022, 67, 9-17.	1.1	9
69	Presence of myocilin sequence variants in Japanese patients with open-angle glaucoma. Molecular Vision, 2008, 14, 413-7.	1.1	9
70	Genome-wide association study (GWAS) of ovarian cancer in Japanese predicted regulatory variants in 22q13.1. PLoS ONE, 2018, 13, e0209096.	1.1	8
71	Monitoring of minimal residual disease in early Tâ€cell precursor acute lymphoblastic leukaemia by nextâ€generation sequencing. British Journal of Haematology, 2017, 176, 318-321.	1.2	7
72	Impact of clinical factors and UGT1A9 and CYP2B6 genotype on inter-individual differences in propofol pharmacokinetics. Journal of Anesthesia, 2018, 32, 236-243.	0.7	7

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73	Estimating carrier frequencies of newborn screening disorders using a whole-genome reference panel of 3552 Japanese individuals. Human Genetics, 2019, 138, 389-409.	1.8	7
74	Novel candidates of pathogenic variants of the BRCA1 and BRCA2 genes from a dataset of 3,552 Japanese whole genomes (3.5KJPNv2). PLoS ONE, 2021, 16, e0236907.	1.1	7
75	Comparisons of Schlemm's canal and trabecular meshwork morphologies between juvenile and primary open angle glaucoma. Experimental Eye Research, 2021, 210, 108711.	1.2	7
76	dbTMM: an integrated database of large-scale cohort, genome and clinical data for the Tohoku Medical Megabank Project. Human Genome Variation, 2021, 8, 44.	0.4	7
77	Associations between the Combined Fat Mass Index and Fat-Free Mass Index with Carotid Intima-Media Thickness in a Japanese Population: The Tohoku Medical Megabank Community-Based Cohort Study. Journal of Atherosclerosis and Thrombosis, 2023, 30, 255-273.	0.9	7
78	Intraocular Hemangiopericytoma. Ophthalmologica, 2001, 215, 378-382.	1.0	6
79	Hypothermia of 8Â°C Protects Cultured Retinal Pigment Epithelial Cells and Retinal Ganglion Cells Against Trypan Blue Toxicity. American Journal of Ophthalmology, 2006, 141, 754-756.	1.7	6
80	Molecular genetic analysis of primary open-angle glaucoma, normal tension glaucoma, and developmental glaucoma for the VAV2 and VAV3 gene variants in Japanese subjects. Biochemical and Biophysical Research Communications, 2013, 432, 509-512.	1.0	6
81	25-Gauge Microincision Vitrectomy to Treat Vitreoretinal Disease in Glaucomatous Eyes after Trabeculectomy. Journal of Ophthalmology, 2014, 2014, 1-8.	0.6	6
82	Evaluation of CNTNAP2 gene polymorphisms for exfoliation syndrome in Japanese. Molecular Vision, 2012, 18, 1395-401.	1.1	6
83	Hypothermia Protects Cultured Human Retinal Pigment Epithelial Cells against Indocyanine Green Toxicity. Journal of Ocular Pharmacology and Therapeutics, 2007, 23, 35-39.	0.6	5
84	Hypothermia Protects Cultured Human Retinal Pigment Epithelial Cells against Trypan Blue Toxicity. Ophthalmologica, 2006, 220, 114-117.	1.0	4
85	Estimation of the carrier frequencies and proportions of potential patients by detecting causative gene variants associated with autosomal recessive bone dysplasia using a whole-genome reference panel of Japanese individuals. Human Genome Variation, 2021, 8, 2.	0.4	3
86	Design and Progress of Oral Health Examinations in the Tohoku Medical Megabank Project. Tohoku Journal of Experimental Medicine, 2020, 251, 97-115.	0.5	3
87	Combining MRI and genetic data in the Tohoku Medical Megabank Organization cohort study for innovative Alzheimerâ€™s disease research. Alzheimer's and Dementia, 2020, 16, e045688.	0.4	1