Kazuyoshi Hosomichi

List of Publications by Year in Descending Order

131 papers	3,191 citations	31 h-index	54 g-index
142 ext. papers	3,940 ext. citations	4.4 avg, IF	4.8 L-index

#	Paper	IF	Citations
131	First Japanese Family With -MODY (MODY4): A Novel Frameshift Mutation, Clinical Characteristics, and Implications.. *Journal of the Endocrine Society*, **2022**, 6, bvab159	0.4	0
130	Familial idiopathic basal ganglia calcification with a heterozygous missense variant (c.902C>T/p.P307L) in SLC20A2 showing widespread cerebrovascular lesions.. *Neuropathology*, **2022**,	2	0
129	Biased expression of mutant alleles in cancer-related genes in esophageal squamous cell carcinoma.. *Esophagus*, **2022**, 1	5.4	0
128	Effect of β-adrenergic receptor gene polymorphism and lifestyle on overweight Japanese rural residents: A cross-sectional study.. *Obesity Science and Practice*, **2022**, 8, 199-207	2.6	0
127	Decoding the diversity of killer immunoglobulin-like receptors by deep sequencing and a high-resolution imputation method. *Cell Genomics*, **2022**, 2, 100101		1
126	Localized astrogenesis regulates gyrification of the cerebral cortex.. *Science Advances*, **2022**, 8, eabi5209	14.3	0
125	Immune-mediated thrombotic thrombocytopenic purpura and HLA. *Major Histocompatibility Complex*, **2022**, 29, 42-51	0.1	
124	Comprehensive Comparison of Novel Bovine Leukemia Virus (BLV) Integration Sites between B-Cell Lymphoma Lines BLSC-KU1 and BLSC-KU17 Using the Viral DNA Capture High-Throughput Sequencing Method. *Viruses*, **2022**, 14, 995	6.2	0
123	Association between Vitamin Intake and Chronic Kidney Disease According to a Variant Located Upstream of the PTGS1 Gene: A Cross-Sectional Analysis of Shika Study. *Nutrients*, **2022**, 14, 2082	6.7	1
122	No evidence of bovine leukemia virus proviral DNA and antibodies in human specimens from Japan.. *Retrovirology*, **2022**, 19, 7	3.6	0
121	Dysbiotic gut microbiota in pancreatic cancer patients form correlation networks with the oral microbiota and prognostic factors. *American Journal of Cancer Research*, **2021**, 11, 3163-3175	4.4	3
120	Minor GPI(-) Granulocyte Populations in Patients with Acquired Aplastic Anemia and Healthy Individuals Are Derived from a Few Piga-Mutated Hematopoietic Stem Progenitor Cells. *Blood*, **2021**, 138, 2181-2181	2.2	
119	Effects of functional variants of vitamin C transporter genes on apolipoprotein E E4-associated risk of cognitive decline: The Nakajima study. *PLoS ONE*, **2021**, 16, e0259663	3.7	0
118	alteration in -mutated lung adenocarcinoma leads to histological small-cell carcinoma transformation under EGFR-TKI treatment.. *Translational Lung Cancer Research*, **2021**, 10, 4161-4173	4.4	0
117	Analysis of HLA gene polymorphisms in East Africans reveals evidence of gene flow in two Semitic populations from Sudan. *European Journal of Human Genetics*, **2021**, 29, 1259-1271	5.3	0
116	A novel RFX6 heterozygous mutation (p.R652X) in maturity-onset diabetes mellitus: A case report. *Journal of Diabetes Investigation*, **2021**, 12, 1914-1918	3.9	1
115	Identification of candidate PAX2-regulated genes implicated in human kidney development. *Scientific Reports*, **2021**, 11, 9123	4.9	1

114	Molecular features of tumor-derived genetic alterations in circulating cell-free DNA in virtue of autopsy analysis. *Scientific Reports*, **2021**, 11, 8398	4.9	2
113	Polygenic risk scores for low-density lipoprotein cholesterol and familial hypercholesterolemia. *Journal of Human Genetics*, **2021**, 66, 1079-1087	4.3	2
112	The ATF6–calreticulin axis promotes neuronal survival under endoplasmic reticulum stress and excitotoxicity. *Scientific Reports*, **2021**, 11, 13086	4.9	0
111	HLA class I allele-lacking leukocytes predict rare clonal evolution to MDS/AML in patients with acquired aplastic anemia. *Blood*, **2021**, 137, 3576-3580	2.2	2
110	A frequent nonsense mutation in exon 1 across certain HLA-A and -B alleles in leukocytes of patients with acquired aplastic anemia. *Haematologica*, **2021**, 106, 1581-1590	6.6	3
109	HLA-B*39:01:01 is a novel risk factor for antithyroid drug-induced agranulocytosis in Japanese population. *Pharmacogenomics Journal*, **2021**, 21, 94-101	3.5	2
108	Characterization of LILRB3 and LILRA6 allelic variants in the Japanese population. *Journal of Human Genetics*, **2021**, 66, 739-748	4.3	0
107	Relationships among the β-adrenargic receptor gene Trp64Arg polymorphism, hypertension, and insulin resistance in a Japanese population. *PLoS ONE*, **2021**, 16, e0255444	3.7	
106	Whole-Genome Sequencing of a 900-Year-Old Human Skeleton Supports Two Past Migration Events from the Russian Far East to Northern Japan. *Genome Biology and Evolution*, **2021**, 13,	3.9	2
105	Somatic mutations in oral squamous cell carcinomas in 98 Japanese patients and their clinical implications. *Cancer Treatment and Research Communications*, **2021**, 29, 100456	2	
104	Aire Controls Heterogeneity of Medullary Thymic Epithelial Cells for the Expression of Self-Antigens.. *Journal of Immunology*, **2021**,	5.3	4
103	HLA loci predisposing to immune TTP in Japanese: potential role of the shared ADAMTS13 peptide bound to different HLA-DR. *Blood*, **2020**, 135, 2413-2419	2.2	10
102	A case of MODY5-like manifestations without mutations or deletions in coding and minimal promoter regions of the HNF1B gene. *Endocrine Journal*, **2020**, 67, 981-988	2.9	
101	A Targeted Genetic Association Study of the Rare Type of Osteomyelitis. *Journal of Dental Research* , **2020**, 99, 271-276	8.1	1
100	A catalog of the pathogenic mutations of LDL receptor gene in Japanese familial hypercholesterolemia. *Journal of Clinical Lipidology*, **2020**, 14, 346-351.e9	4.9	8
99	Clonal Hematopoiesis By HLA Class I Allele-Lacking Hematopoietic Stem Cells and Concomitant Aberrant Stem Cells Is Rarely Associated with Clonal Evolution to Secondary Myelodysplastic Syndrome and Acute Myeloid Leukemia in Patients with Acquired Aplastic Anemia. *Blood*, **2020**, 136, 1-2	2.2	
98	Dysfunctional missense variant of decreases gout risk and serum uric acid levels. *Annals of the Rheumatic Diseases*, **2020**, 79, 164-166	2.4	13
97	MCPIP1 reduces HBV-RNA by targeting its epsilon structure. *Scientific Reports*, **2020**, 10, 20763	4.9	1

96	Alopecia areata susceptibility variant in MHC region impacts expressions of genes contributing to hair keratinization and is involved in hair loss. *EBioMedicine*, **2020**, 57, 102810	8.8	7
95	A toddler with phylloid-type pigmentary mosaicism and ambiguous genitalia resulting from trisomy 14 induced by a der(Y)t(Y;14). *Human Genome Variation*, **2020**, 7, 28	1.8	
94	Tissue-specific autoimmunity controlled by Aire in thymic and peripheral tolerance mechanisms. *International Immunology*, **2020**, 32, 117-131	4.9	4
93	Subtype-specific gout susceptibility loci and enrichment of selection pressure on and identified by subtype genome-wide meta-analyses of clinically defined gout patients. *Annals of the Rheumatic Diseases*, **2020**, 79, 657-665	2.4	12
92	Genetic and phenotypic landscape of the major histocompatibilty complex region in the Japanese population. *Nature Genetics*, **2019**, 51, 470-480	36.3	45
91	Late Jomon male and female genome sequences from the Funadomari site in Hokkaido, Japan. *Anthropological Science*, **2019**, 127, 83-108	1.3	31
90	Escape hematopoiesis by HLA-B5401-lacking hematopoietic stem progenitor cells in men with acquired aplastic anemia. *Haematologica*, **2019**, 104, e447-e450	6.6	5
89	Next-generation sequencing identifies contribution of both class I and II HLA genes on susceptibility of multiple sclerosis in Japanese. *Journal of Neuroinflammation*, **2019**, 16, 162	10.1	14
88	Genome-wide association study revealed novel loci which aggravate asymptomatic hyperuricaemia into gout. *Annals of the Rheumatic Diseases*, **2019**, 78, 1430-1437	2.4	46
87	New PCNT candidate missense variant in a patient with oral and maxillofacial osteodysplasia: a case report. *BMC Medical Genetics*, **2019**, 20, 126	2.1	1
86	A homozygous SFTPA1 mutation drives necroptosis of type II alveolar epithelial cells in patients with idiopathic pulmonary fibrosis. *Journal of Experimental Medicine*, **2019**, 216, 2724-2735	16.6	26
85	A Common HLA Allelic Mutation of exon1 in Leukocytes Defines Class I Alleles Responsible for Autoantigen Presentation of Acquired Aplastic Anemia. *Blood*, **2019**, 134, 1215-1215	2.2	
84	Deciphering Novel Disease Mechanism in Cardiomyopathy by Transcriptome Sequencing. *Impact*, **2019**, 2019, 10-12	0.3	
83	Orthognathic surgery induces genomewide changes longitudinally in DNA methylation in saliva. *Oral Diseases*, **2019**, 25, 508-514	3.5	0
82	No novel, high penetrant gene might remain to be found in Japanese patients with unknown MODY. *Journal of Human Genetics*, **2018**, 63, 821-829	4.3	1
81	Paradoxical development of polymyositis-like autoimmunity through augmented expression of autoimmune regulator (AIRE). *Journal of Autoimmunity*, **2018**, 86, 75-92	15.5	16
80	Immune-Mediated Hematopoietic Failure after Allogeneic Hematopoietic Stem Cell Transplantation: A Common Cause of Late Graft Failure in Patients with Complete Donor Chimerism. *Biology of Blood and Marrow Transplantation*, **2018**, 24, 43-49	4.7	8
79	Next-generation sequencing analysis identifies genomic alterations in pathological morphologies: A case of pulmonary carcinosarcoma harboring EGFR mutations. *Lung Cancer*, **2018**, 122, 146-150	5.9	1

78	Whole-genome sequencing in a pair of monozygotic twins with discordant cleft lip and palate subtypes. *Oral Diseases*, **2018**, 24, 1303-1309	3.5	4
77	Loss-of-Function Mutations in HLA-Class I Alleles in Acquire Aplastic Anemia: Evidence for the Involvement of Limited Class I Alleles in the Auto-Antigen Presentation of Aplastic Anemia. *Blood*, **2018**, 132, 2584-2584	2.2	
76	Sustained clonal hematopoiesis by HLA-lacking hematopoietic stem cells without driver mutations in aplastic anemia. *Blood Advances*, **2018**, 2, 1000-1012	7.8	13
75	Oligogenic familial hypercholesterolemia, LDL cholesterol, and coronary artery disease. *Journal of Clinical Lipidology*, **2018**, 12, 1436-1444	4.9	46
74	High Order Formation and Evolution of Hornerin in Primates. *Genome Biology and Evolution*, **2018**, 10, 3167-3175	3.9	4
73	Aire Controls in the Production of Medullary Thymic Epithelial Cells Expressing Ly-6C/Ly-6G. *Journal of Immunology*, **2018**, 201, 3244-3257	5.3	3
72	Exploration of genetic factors determining cleft side in a pair of monozygotic twins with mirror-image cleft lip and palate using whole-genome sequencing and comparison of craniofacial morphology. *Archives of Oral Biology*, **2018**, 96, 33-38	2.8	5
71	Comprehensive genetic testing approach for major inherited kidney diseases, using next-generation sequencing with a custom panel. *Clinical and Experimental Nephrology*, **2017**, 21, 63-75	2.5	36
70	Identification of an HLA class I allele closely involved in the autoantigen presentation in acquired aplastic anemia. *Blood*, **2017**, 129, 2908-2916	2.2	45
69	Comprehensive genetic exploration of selective tooth agenesis of mandibular incisors by exome sequencing. *Human Genome Variation*, **2017**, 4, 17005	1.8	13
68	Rapid and cost-effective high-throughput sequencing for identification of germline mutations of BRCA1 and BRCA2. *Journal of Human Genetics*, **2017**, 62, 561-567	4.3	15
67	Whole-exome sequencing analysis of supernumerary teeth occurrence in Japanese individuals. *Human Genome Variation*, **2017**, 4, 16046	1.8	8
66	RXRB Is an MHC-Encoded Susceptibility Gene Associated with Anti-Topoisomerase I Antibody-Positive Systemic Sclerosis. *Journal of Investigative Dermatology*, **2017**, 137, 1878-1886	4.3	2
65	Multiple common and rare variants of cause gout. *RMD Open*, **2017**, 3, e000464	5.9	33
64	Folding of the Cerebral Cortex Requires Cdk5 in Upper-Layer Neurons in Gyrencephalic Mammals. *Cell Reports*, **2017**, 20, 2131-2143	10.6	47
63	AMBRA1 is involved in T cell receptor-mediated metabolic reprogramming through an ATG7-independent pathway. *Biochemical and Biophysical Research Communications*, **2017**, 491, 1098-1104	2.4	2
62	Identification of a novel variant of the RET proto-oncogene in a novel family with Hirschsprung disease. *Pediatric Surgery International*, **2017**, 33, 1041-1046	2.1	0
61	Structure and evolution of the filaggrin gene repeated region in primates. *BMC Evolutionary Biology* , **2017**, 17, 10	3	8

60	A partial nuclear genome of the Jomons who lived 3000 years ago in Fukushima, Japan. *Journal of Human Genetics*, **2017**, 62, 213-221	4.3	43
59	Comprehensive microbiome analysis of tonsillar crypts in IgA nephropathy. *Nephrology Dialysis Transplantation*, **2017**, 32, 2072-2079	4.3	28
58	A de novo mutation of the LDL receptor gene as the cause of familial hypercholesterolemia identified using whole exome sequencing. *Clinica Chimica Acta*, **2016**, 453, 194-6	6.2	8
57	Germline Variants of Prostate Cancer in Japanese Families. *PLoS ONE*, **2016**, 11, e0164233	3.7	15
56	Identification of an HLA Class I Allele Closely Involved in the Pathogenesis of Acquired Aplastic Anemia. *Blood*, **2016**, 128, 729-729	2.2	
55	HLA Class I Allele-Lacking Hematopoietic Stem/Progenitor Cells Support Long-Term Clonal Hematopoiesis without Oncogenic Driver Mutations in Acquired Aplastic Anemia. *Blood*, **2016**, 128, 3894-3894	2.2	
54	Allelic Imbalance in Regulation of ANRIL through Chromatin Interaction at 9p21 Endometriosis Risk Locus. *PLoS Genetics*, **2016**, 12, e1005893	6	34
53	CRISPR/Cas9-mediated gene knockout in the mouse brain using in utero electroporation. *Scientific Reports*, **2016**, 6, 20611	4.9	61
52	A new genotype of bovine leukemia virus in South America identified by NGS-based whole genome sequencing and molecular evolutionary genetic analysis. *Retrovirology*, **2016**, 13, 4	3.6	65
51	Correction of the HLA-DQB1*04:01:01 sequence at position 79 in exon 1. *Hla*, **2016**, 87, 57-8	1.9	3
50	Aggregation of rare/low-frequency variants of the mitochondria respiratory chain-related proteins in rheumatoid arthritis patients. *Journal of Human Genetics*, **2015**, 60, 449-54	4.3	15
49	The impact of next-generation sequencing technologies on HLA research. *Journal of Human Genetics*, **2015**, 60, 665-73	4.3	113
48	Identification of novel exonic mobile element insertions in epithelial ovarian cancers. *Human Genome Variation*, **2015**, 2, 15030	1.8	1
47	The impact of next-generation sequencing technologies on MHC research. *Journal of Animal Genetics*, **2015**, 43, 25-32	0.1	
46	Silver Nanoscale Hexagonal Column Chips for Detecting Cell-free DNA and Circulating Nucleosomes in Cancer Patients. *Scientific Reports*, **2015**, 5, 10455	4.9	17
45	Gene expression profiling reveals distinct molecular signatures associated with the rupture of intracranial aneurysm. *Stroke*, **2014**, 45, 2239-45	6.7	67
44	A Bead-based Normalization for Uniform Sequencing depth (BeNUS) protocol for multi-samples sequencing exemplified by HLA-B. *BMC Genomics*, **2014**, 15, 645	4.5	18
43	Possible association between dysfunction of vitamin D binding protein (GC Globulin) and migraine attacks. *PLoS ONE*, **2014**, 9, e105319	3.7	7

42	Molecular characterization of an intact p53 pathway subtype in high-grade serous ovarian cancer. *PLoS ONE*, **2014**, 9, e114491	3.7	12
41	Genome-wide linkage and exome analyses identify variants of HMCN1 for splenic epidermoid cyst. *BMC Medical Genetics*, **2014**, 15, 115	2.1	2
40	The Admixed Origin of Japanese Population from HLA Alleles. *Major Histocompatibility Complex*, **2014**, 21, 37-44	0.1	
39	Genetic and family structure in a group of 165 common bottlenose dolphins caught off the Japanese coast. *Marine Mammal Science*, **2013**, 29, 474-496	1.9	4
38	HLA-DPB1*04:01 allele is associated with non-obstructive azoospermia in Japanese patients. *Human Genetics*, **2013**, 132, 1405-11	6.3	12
37	Phase-defined complete sequencing of the HLA genes by next-generation sequencing. *BMC Genomics*, **2013**, 14, 355	4.5	87
36	A nonsynonymous variant of IL1A is associated with endometriosis in Japanese population. *Journal of Human Genetics*, **2013**, 58, 517-20	4.3	22
35	Primary analysis of DNA polymorphisms in the TRIM region (MHC subregion) of the Japanese quail, Coturnix japonica. *Animal Science Journal*, **2013**, 84, 90-6	1.8	6
34	Exome sequencing identifies novel rheumatoid arthritis-susceptible variants in the BTNL2. *Journal of Human Genetics*, **2013**, 58, 210-5	4.3	33
33	Evolutionary relations of Hexanchiformes deep-sea sharks elucidated by whole mitochondrial genome sequences. *BioMed Research International*, **2013**, 2013, 147064	3	10
32	Detection of ancestry informative HLA alleles confirms the admixed origins of Japanese population. *PLoS ONE*, **2013**, 8, e60793	3.7	26
31	Next-generation sequencing: impact of exome sequencing in characterizing Mendelian disorders. *Journal of Human Genetics*, **2012**, 57, 621-32	4.3	155
30	Exact break point of a 50 kb deletion 8 kb centromeric of the HLA-A locus with HLA-A*24:02: the same deletion observed in other A*24 alleles and A*23:01 allele. *Immunogenetics*, **2011**, 63, 467-74	3.2	1
29	Comparative genome analysis of the major histocompatibility complex (MHC) class I B/C segments in primates elucidated by genomic sequencing in common marmoset (Callithrix jacchus). *Immunogenetics*, **2011**, 63, 485-99	3.2	19
28	Exome resequencing combined with linkage analysis identifies novel PTH1R variants in primary failure of tooth eruption in Japanese. *Journal of Bone and Mineral Research*, **2011**, 26, 1655-61	6.3	44
27	Primordial linkage of β2-microglobulin to the MHC. *Journal of Immunology*, **2011**, 186, 3563-71	5.3	29
26	Correction for Goto et al., BG1 has a major role in MHC-linked resistance to malignant lymphoma in the chicken. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 8041-8041	11.5	78
25	TRIM39 and RNF39 are associated with Behçet's disease independently of HLA-B*51 and -A*26. *Biochemical and Biophysical Research Communications*, **2010**, 401, 533-7	3.4	28

24	Basic characterization of 90 kDa heat shock protein genes HSP90AA1, HSP90AB1, HSP90B1 and TRAP1 expressed in Japanese quail (Coturnix japonica). *Animal Science Journal*, **2010**, 81, 513-8	1.8	6
23	Positional effects of polymorphisms in probe-target sequences on genoplot images of oligonucleotide microarrays. *Genetics and Molecular Research*, **2010**, 9, 524-31	1.2	
22	BG1 has a major role in MHC-linked resistance to malignant lymphoma in the chicken. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 16740-5	11.5	40
21	Nutritional and hormonal regulation of uncoupling protein 2. *IUBMB Life*, **2009**, 61, 1123-31	4.7	28
20	HLA-A allele associations with viral MER9-LTR nucleotide sequences at two distinct loci within the MHC alpha block. *Immunogenetics*, **2009**, 61, 257-70	3.2	3
19	MHC class I A loci polymorphism and diversity in three Southeast Asian populations of cynomolgus macaque. *Immunogenetics*, **2009**, 61, 635-48	3.2	39
18	The HLA genomic loci map: expression, interaction, diversity and disease. *Journal of Human Genetics* , **2009**, 54, 15-39	4.3	441
17	Human endogenous retrovirus (HERVK9) structural polymorphism with haplotypic HLA-A allelic associations. *Genetics*, **2008**, 180, 445-57	4	11
16	The amphioxus genome illuminates vertebrate origins and cephalochordate biology. *Genome Research*, **2008**, 18, 1100-11	9.7	387
15	Contribution of mutation, recombination, and gene conversion to chicken MHC-B haplotype diversity. *Journal of Immunology*, **2008**, 181, 3393-9	5.3	72
14	Identification of heat shock protein 70 genes HSPA2, HSPA5 and HSPA8 from the Japanese quail, Coturnix japonica. *Animal Science Journal*, **2008**, 79, 171-181	1.8	13
13	A third broad lineage of major histocompatibility complex (MHC) class I in teleost fish; MHC class II linkage and processed genes. *Immunogenetics*, **2007**, 59, 305-21	3.2	45
12	Extended gene map reveals tripartite motif, C-type lectin, and Ig superfamily type genes within a subregion of the chicken MHC-B affecting infectious disease. *Journal of Immunology*, **2007**, 178, 7162-72	5.3	101
11	A BAC-based contig map of the cynomolgus macaque (Macaca fascicularis) major histocompatibility complex genomic region. *Genomics*, **2007**, 89, 402-12	4.3	36
10	The major histocompatibility complex (Mhc) class IIB region has greater genomic structural flexibility and diversity in the quail than the chicken. *BMC Genomics*, **2006**, 7, 322	4.5	48
9	Rapid evolution of major histocompatibility complex class I genes in primates generates new disease alleles in humans via hitchhiking diversity. *Genetics*, **2006**, 173, 1555-70	4	86
8	Novel cynomolgus macaque MHC-DPB1 polymorphisms in three South-East Asian populations. *Tissue Antigens*, **2006**, 67, 297-306		27
7	Comparative genomics of the poultry major histocompatibility complex. *Animal Science Journal*, **2006**, 77, 151-162	1.8	34

6	Development of polymorphic Genetic Markers in the Quail Mhc (Coja) Region. *Major Histocompatibility Complex*, **2005**, 11, 241-251	0.1	2
5	Identification of cDNA for the HSPA2, HSPA5 and HSPA8 orthologs of the heat shock protein 70 family from guinea fowl (Numida meleagris). *Animal Science Journal*, **2005**, 76, 519-524	1.8	2
4	Comparative genomic analysis of two avian (quail and chicken) MHC regions. *Journal of Immunology* , **2004**, 172, 6751-63	5.3	134
3	MHC class IIB gene sequences and expression in quails (Coturnix japonica) selected for high and low antibody responses. *Immunogenetics*, **2004**, 56, 280-91	3.2	12
2	Sequence analysis of functional Mhc class II β genes on quails of high- and low-IgG strains, developed by line breeding based on serum IgG concentration. *Journal of Animal Genetics*, **2004**, 32, 3-10		1
1	Association Between Serum 25-Hydroxyvitamin D Concentrations, CDX2 Polymorphism in Promoter Region of Vitamin D Receptor Gene, and Chronic Pain in Rural Japanese Residents. *Journal of Pain Research*,Volume 15, 1475-1485	2.9	