Hirofumi Nakaoka

List of Publications by Citations

69 papers	1,637 citations	22 h-index	39 g-index
75 ext. papers	2,264 ext. citations	5.1 avg, IF	4.43 L-index

#	Paper	IF	Citations
69	Clonal Expansion and Diversification of Cancer-Associated Mutations in Endometriosis and Normal Endometrium. *Cell Reports*, **2018**, 24, 1777-1789	10.6	165
68	Genome-wide association study of clinically defined gout identifies multiple risk loci and its association with clinical subtypes. *Annals of the Rheumatic Diseases*, **2016**, 75, 652-9	2.4	117
67	ABCG2 dysfunction causes hyperuricemia due to both renal urate underexcretion and renal urate overload. *Scientific Reports*, **2014**, 4, 3755	4.9	95
66	Phase-defined complete sequencing of the HLA genes by next-generation sequencing. *BMC Genomics*, **2013**, 14, 355	4.5	87
65	Meta-analysis of genetic association studies: methodologies, between-study heterogeneity and winnerR̃ curse. *Journal of Human Genetics*, **2009**, 54, 615-23	4.3	80
64	GWAS of clinically defined gout and subtypes identifies multiple susceptibility loci that include urate transporter genes. *Annals of the Rheumatic Diseases*, **2017**, 76, 869-877	2.4	79
63	Systematic identification and characterization of regulatory elements derived from human endogenous retroviruses. *PLoS Genetics*, **2017**, 13, e1006883	6	72
62	Gene expression profiling reveals distinct molecular signatures associated with the rupture of intracranial aneurysm. *Stroke*, **2014**, 45, 2239-45	6.7	67
61	Next generation sequencing: implications in personalized medicine and pharmacogenomics. *Molecular BioSystems*, **2016**, 12, 1818-30		63
60	Common dysfunctional variants of ABCG2 have stronger impact on hyperuricemia progression than typical environmental risk factors. *Scientific Reports*, **2014**, 4, 5227	4.9	52
59	The auxin-inducible degron 2 technology provides sharp degradation control in yeast, mammalian cells, and mice. *Nature Communications*, **2020**, 11, 5701	17.4	47
58	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
57	Genetic and phenotypic landscape of the major histocompatibilty complex region in the Japanese population. *Nature Genetics*, **2019**, 51, 470-480	36.3	45
56	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
55	Shared Genetic Risk Factors of Intracranial, Abdominal, and Thoracic Aneurysms. *Journal of the American Heart Association*, **2016**, 5,	6	34
54	Allelic Imbalance in Regulation of ANRIL through Chromatin Interaction at 9p21 Endometriosis Risk Locus. *PLoS Genetics*, **2016**, 12, e1005893	6	34
53	Multiple common and rare variants of cause gout. *RMD Open*, **2017**, 3, e000464	5.9	33

52	Novel therapeutic strategy for cervical cancer harboring FGFR3-TACC3 fusions. *Oncogenesis*, **2018**, 7, 4	6.6	30
51	Identification of rs671, a common variant of ALDH2, as a gout susceptibility locus. *Scientific Reports*, **2016**, 6, 25360	4.9	27
50	Detection of ancestry informative HLA alleles confirms the admixed origins of Japanese population. *PLoS ONE*, **2013**, 8, e60793	3.7	26
49	Differential effects of chromosome 9p21 variation on subphenotypes of intracranial aneurysm: site distribution. *Stroke*, **2010**, 41, 1593-8	6.7	26
48	A nonsynonymous variant of IL1A is associated with endometriosis in Japanese population. *Journal of Human Genetics*, **2013**, 58, 517-20	4.3	22
47	Different mutation profiles between epithelium and stroma in endometriosis and normal endometrium. *Human Reproduction*, **2019**, 34, 1899-1905	5.7	21
46	Novel MXD4-NUTM1 fusion transcript identified in primary ovarian undifferentiated small round cell sarcoma. *Genes Chromosomes and Cancer*, **2018**, 57, 557-563	5	19
45	Germline and somatic mutations of homologous recombination-associated genes in Japanese ovarian cancer patients. *Scientific Reports*, **2019**, 9, 17808	4.9	18
44	Long non-coding RNA p10247, high expressed in breast cancer (lncRNA-BCHE), is correlated with metastasis. *Clinical and Experimental Metastasis*, **2018**, 35, 109-121	4.7	16
43	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
42	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
41	A systems genetics approach provides a bridge from discovered genetic variants to biological pathways in rheumatoid arthritis. *PLoS ONE*, **2011**, 6, e25389	3.7	15
40	Germline Variants of Prostate Cancer in Japanese Families. *PLoS ONE*, **2016**, 11, e0164233	3.7	15
39	Three-dimensional understanding of the morphological complexity of the human uterine endometrium. *IScience*, **2021**, 24, 102258	6.1	15
38	A genome-wide association study of third molar agenesis in Japanese and Korean populations. *Journal of Human Genetics*, **2013**, 58, 799-803	4.3	14
37	Comprehensive genetic exploration of selective tooth agenesis of mandibular incisors by exome sequencing. *Human Genome Variation*, **2017**, 4, 17005	1.8	13
36	XCL1 expression correlates with CD8-positive T cells infiltration and PD-L1 expression in squamous cell carcinoma arising from mature cystic teratoma of the ovary. *Oncogene*, **2020**, 39, 3541-3554	9.2	13
35	Clonal lineage from normal endometrium to ovarian clear cell carcinoma through ovarian endometriosis. *Cancer Science*, **2020**, 111, 3000-3009	6.9	13

34	Dysfunctional missense variant of decreases gout risk and serum uric acid levels. *Annals of the Rheumatic Diseases*, **2020**, 79, 164-166	2.4	13
33	APOBEC: A molecular driver in cervical cancer pathogenesis. *Cancer Letters*, **2021**, 496, 104-116	9.9	13
32	Molecular characterization of an intact p53 pathway subtype in high-grade serous ovarian cancer. *PLoS ONE*, **2014**, 9, e114491	3.7	12
31	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
30	Germline mutations of multiple breast cancer-related genes are differentially associated with triple-negative breast cancers and prognostic factors. *Journal of Human Genetics*, **2020**, 65, 577-587	4.3	9
29	Structure and evolution of the filaggrin gene repeated region in primates. *BMC Evolutionary Biology* , **2017**, 17, 10	3	8
28	Selective breeding and selection mapping using a novel wild-derived heterogeneous stock of mice revealed two closely-linked loci for tameness. *Scientific Reports*, **2017**, 7, 4607	4.9	8
27	Endogenous retroviruses drive KRAB zinc-finger protein family expression for tumor suppression. *Science Advances*, **2020**, 6,	14.3	8
26	ARID1A protein expression is retained in ovarian endometriosis with ARID1A loss-of-function mutations: implication for the two-hit hypothesis. *Scientific Reports*, **2020**, 10, 14260	4.9	8
25	Distribution of HLA haplotypes across Japanese Archipelago: similarity, difference and admixture. *Journal of Human Genetics*, **2015**, 60, 683-90	4.3	7
24	Biological significance of KRAS mutant allele expression in ovarian endometriosis. *Cancer Science*, **2021**, 112, 2020-2032	6.9	7
23	Exome and copy number variation analyses of Mayer-Rokitansky-K□ter- Hauser syndrome. *Human Genome Variation*, **2018**, 5, 27	1.8	6
22	The Relationship between Gene Status and Carboxylesterase 2 Expression in Human Colorectal Cancer. *Disease Markers*, **2018**, 2018, 5280736	3.2	6
21	Assessment of Artificial MiRNA Architectures for Higher Knockdown Efficiencies without the Undesired Effects in Mice. *PLoS ONE*, **2015**, 10, e0135919	3.7	5
20	High Order Formation and Evolution of Hornerin in Primates. *Genome Biology and Evolution*, **2018**, 10, 3167-3175	3.9	4
19	Spatiotemporal dynamics of clonal selection and diversification in normal endometrial epithelium.. *Nature Communications*, **2022**, 13, 943	17.4	4
18	Common variant of BCAS3 is associated with gout risk in Japanese population: the first replication study after gout GWAS in Han Chinese. *BMC Medical Genetics*, **2018**, 19, 96	2.1	3
17	?????????????????????????????????? **2004**, 75, 353-361		3

List of Publications

16	IGF1 gene is epigenetically activated in preterm infants with intrauterine growth restriction. *Clinical Epigenetics*, **2020**, 12, 108	7.7	3
15	Concurrent isolated retroperitoneal HGSC and STIC defined by somatic mutation analysis: a case report. *Diagnostic Pathology*, **2019**, 14, 17	3	2
14	Exploration of intermediate-sized INDELs by next-generation multigene panel testing in Han Chinese patients with breast cancer. *Human Genome Variation*, **2019**, 6, 51	1.8	2
13	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
12	Combined change of behavioral traits for domestication and gene-networks in mice selectively bred for active tameness. *Genes, Brain and Behavior*, **2021**, 20, e12721	3.6	2
11	Identification of novel exonic mobile element insertions in epithelial ovarian cancers. *Human Genome Variation*, **2015**, 2, 15030	1.8	1
10	Sensitization of Gastric Cancer Cells to Irinotecan by p53 Activation. *BPB Reports*, **2019**, 2, 130-133	0.3	1
9	Comprehensive discovery of CRISPR-targeted terminally redundant sequences in the human gut metagenome: Viruses, plasmids, and more. *PLoS Computational Biology*, **2021**, 17, e1009428	5	1
8	Substantial anti-gout effect conferred by common and rare dysfunctional variants of URAT1/SLC22A12. *Rheumatology*, **2021**, 60, 5224-5232	3.9	1
7	Identification of ancient viruses from metagenomic data of the Jomon people. *Journal of Human Genetics*, **2021**, 66, 287-296	4.3	1
6	Adjusting for heterogeneity of variance for carcass traits affects single and multiple trait selections in genetic evaluation of Japanese Black cattle. *Animal Science Journal*, **2008**, 79, 645-654	1.8	0
5	Biased expression of mutant alleles in cancer-related genes in esophageal squamous cell carcinoma.. *Esophagus*, **2022**, 1	5.4	0
4	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
3	Useful properties of Bayesian multiple QTL mapping with MCMC. *Journal of Animal Genetics*, **2006**, 34, 17-29		
2	The Admixed Origin of Japanese Population from HLA Alleles. *Major Histocompatibility Complex*, **2014**, 21, 37-44	0.1	
1	High incidence of PI3K pathway gene mutations in South Indian cervical cancers.. *Cancer Genetics*, **2022**, 264-265, 100-108	2.3	