

# Sumio Sugano

## List of Publications by Citations

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89

papers

3,366

citations

28

h-index

57

g-index

91

ext. papers

4,318

ext. citations

9.7

avg, IF

4.42

L-index

#	Paper	IF	Citations
89	Insights into Land Plant Evolution Garnered from the <i>Marchantia polymorpha</i> Genome. <i>Cell</i> , <b>2017</b> , 171, 287-304.e15	56.2	538
88	Early-onset ataxia with ocular motor apraxia and hypoalbuminemia is caused by mutations in a new HIT superfamily gene. <i>Nature Genetics</i> , <b>2001</b> , 29, 184-8	36.3	342
87	A single female-specific piRNA is the primary determiner of sex in the silkworm. <i>Nature</i> , <b>2014</b> , 509, 633-639	50.4	290
86	The Chara Genome: Secondary Complexity and Implications for Plant Terrestrialization. <i>Cell</i> , <b>2018</b> , 174, 448-464.e24	56.2	213
85	Genomic Landscape of Esophageal Squamous Cell Carcinoma in a Japanese Population. <i>Gastroenterology</i> , <b>2016</b> , 150, 1171-1182	13.3	195
84	A genetic mechanism for female-limited Batesian mimicry in <i>Papilio</i> butterfly. <i>Nature Genetics</i> , <b>2015</b> , 47, 405-9	36.3	158
83	Expansions of intronic TTCA and TTTA repeats in benign adult familial myoclonic epilepsy. <i>Nature Genetics</i> , <b>2018</b> , 50, 581-590	36.3	152
82	Selective production of transgenic mice using green fluorescent protein as a marker. <i>Nature Biotechnology</i> , <b>1997</b> , 15, 458-61	44.5	104
81	Genome sequence and analysis of the Japanese morning glory <i>Ipomoea nil</i> . <i>Nature Communications</i> , <b>2016</b> , 7, 13295	17.4	91
80	Aberrant transcriptional regulations in cancers: genome, transcriptome and epigenome analysis of lung adenocarcinoma cell lines. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 13557-72	20.1	74
79	A new lncRNA, APTR, associates with and represses the CDKN1A/p21 promoter by recruiting polycomb proteins. <i>PLoS ONE</i> , <b>2014</b> , 9, e95216	3.7	63
78	Methylome diversification through changes in DNA methyltransferase sequence specificity. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004272	6	61
77	Single-cell analysis of lung adenocarcinoma cell lines reveals diverse expression patterns of individual cells invoked by a molecular target drug treatment. <i>Genome Biology</i> , <b>2015</b> , 16, 66	18.3	57
76	Sall1 maintains nephron progenitors and nascent nephrons by acting as both an activator and a repressor. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2014</b> , 25, 2584-95	12.7	53
75	Isolation, tissue expression, and chromosomal assignment of human RGS5, a novel G-protein signaling regulator gene. <i>Journal of Human Genetics</i> , <b>1998</b> , 43, 202-5	4.3	45
74	BH-protocadherin-c, a member of the cadherin superfamily, interacts with protein phosphatase 1 alpha through its intracellular domain. <i>FEBS Letters</i> , <b>1999</b> , 460, 93-8	3.8	45
73	Oncogenic Fusion Gene CD74-NRG1 Confers Cancer Stem Cell-like Properties in Lung Cancer through a IGF2 Autocrine/Paracrine Circuit. <i>Cancer Research</i> , <b>2016</b> , 76, 974-83	10.1	43

72	DBTSS as an integrative platform for transcriptome, epigenome and genome sequence variation data. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, D87-91	20.1	43
71	Development and validation of a new high-throughput method to investigate the clonality of HTLV-1-infected cells based on provirus integration sites. <i>Genome Medicine</i> , <b>2014</b> , 6, 46	14.4	42
70	Cloning, expression analysis, and chromosomal localization of HIP1R, an isolog of huntingtin interacting protein (HIP1). <i>Journal of Human Genetics</i> , <b>1998</b> , 43, 268-71	4.3	41
69	The Endosymbiotic Bacterium Wolbachia Selectively Kills Male Hosts by Targeting the Masculinizing Gene. <i>PLoS Pathogens</i> , <b>2015</b> , 11, e1005048	7.6	39
68	Occupancy of tissue-specific cis-regulatory modules by Otx2 and TLE/Groucho for embryonic head specification. <i>Nature Communications</i> , <b>2014</b> , 5, 4322	17.4	38
67	DBTSS/DBKERO for integrated analysis of transcriptional regulation. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, D229-D238	20.1	37
66	Sequencing and phasing cancer mutations in lung cancers using a long-read portable sequencer. <i>DNA Research</i> , <b>2017</b> , 24, 585-596	4.5	36
65	Evaluation and application of RNA-Seq by MinION. <i>DNA Research</i> , <b>2019</b> , 26, 55-65	4.5	35
64	Diversification of the microtubule system in the early stage of eukaryote evolution: elongation factor 1 alpha and alpha-tubulin protein phylogeny of termite symbiotic oxymonad and hypermastigote protists. <i>Journal of Molecular Evolution</i> , <b>2001</b> , 52, 6-16	3.1	33
63	Analysis of RNA decay factor mediated RNA stability contributions on RNA abundance. <i>BMC Genomics</i> , <b>2015</b> , 16, 154	4.5	30
62	Large hypomethylated domains serve as strong repressive machinery for key developmental genes in vertebrates. <i>Development (Cambridge)</i> , <b>2014</b> , 141, 2568-80	6.6	30
61	Serotyping dengue virus with isothermal amplification and a portable sequencer. <i>Scientific Reports</i> , <b>2017</b> , 7, 3510	4.9	27
60	p53-inducible DPYSL4 associates with mitochondrial supercomplexes and regulates energy metabolism in adipocytes and cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 8370-8375	11.5	24
59	Identification of physical interactions between genomic regions by enChIP-Seq. <i>Genes To Cells</i> , <b>2017</b> , 22, 506-520	2.3	21
58	Local potentiation of stress-responsive genes by upstream noncoding transcription. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 5174-89	20.1	20
57	Genomic structure and evolution of the mating type locus in the green seaweed <i>Ulva partita</i> . <i>Scientific Reports</i> , <b>2017</b> , 7, 11679	4.9	17
56	Transcriptome profiling reveals infection strategy of an insect maculavirus. <i>DNA Research</i> , <b>2018</b> ,	4.5	16
55	Isolation, tissue expression, and chromosomal assignment of a novel human gene which encodes a protein with RING finger motif. <i>Journal of Human Genetics</i> , <b>1998</b> , 43, 272-4	4.3	16

54	A novel human gene whose product shares significant homology with the bovine brain-specific protein p25 on chromosome 5p15.3. <i>Journal of Human Genetics</i> , <b>1999</b> , 44, 121-2	4.3	16
53	Expression of miR-26a exhibits a negative correlation with HMGA1 and regulates cancer progression by targeting HMGA1 in lung adenocarcinoma cells. <i>Molecular Medicine Reports</i> , <b>2017</b> , 15, 534-542	2.9	15
52	Combinatory use of distinct single-cell RNA-seq analytical platforms reveals the heterogeneous transcriptome response. <i>Scientific Reports</i> , <b>2018</b> , 8, 3482	4.9	14
51	A missense mutation in solute carrier family 12, member 1 (SLC12A1) causes hydrallantois in Japanese Black cattle. <i>BMC Genomics</i> , <b>2016</b> , 17, 724	4.5	14
50	International code of conduct for genomic and health-related data sharing. <i>The HUGO Journal</i> , <b>2014</b> , 8, 1		13
49	Hormone-responsive genes in the SHH and WNT/ $\beta$ -catenin signaling pathways influence urethral closure and phallus growth. <i>Biology of Reproduction</i> , <b>2018</b> , 99, 806-816	3.9	13
48	A comparison of the rest complex binding patterns in embryonic stem cells and epiblast stem cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e95374	3.7	12
47	<i>Allovalkampia spelaea</i> Causing Keratitis in Humans. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0004848	4.4	11
46	Locus-specific CHIP combined with NGS analysis reveals genomic regulatory regions that physically interact with the Pax5 promoter in a chicken B cell line. <i>DNA Research</i> , <b>2017</b> , 24, 537-548	4.5	10
45	Large-scale DNA Barcode Library Generation for Biomolecule Identification in High-throughput Screens. <i>Scientific Reports</i> , <b>2017</b> , 7, 13899	4.9	9
44	Decreased KPNB1 Expression is Induced by PLK1 Inhibition and Leads to Apoptosis in Lung Adenocarcinoma. <i>Journal of Cancer</i> , <b>2017</b> , 8, 4125-4140	4.5	9
43	Relationship between Retinoic Acid Receptor $\alpha$ Gene Expression and Growth-Inhibitory Effect of All-Trans Retinoic Acid on Canine Tumor Cells. <i>Journal of Veterinary Internal Medicine</i> , <b>2006</b> , 20, 348-354 <sup>3.1</sup>		9
42	MCM10 compensates for Myc-induced DNA replication stress in breast cancer stem-like cells. <i>Cancer Science</i> , <b>2021</b> , 112, 1209-1224	6.9	8
41	<i>Bombyx mori</i> nucleopolyhedrovirus actin rearrangement-inducing factor 1 enhances systemic infection in <i>B. mori</i> larvae. <i>Journal of General Virology</i> , <b>2015</b> , 96, 1938-46	4.9	7
40	The Origin and Composition of Korean Ethnicity Analyzed by Ancient and Present-Day Genome Sequences. <i>Genome Biology and Evolution</i> , <b>2020</b> , 12, 553-565	3.9	7
39	Silkworm HP1a transcriptionally enhances highly expressed euchromatic genes via association with their transcription start sites. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 11462-71	20.1	7
38	Characterization of cancer omics and drug perturbations in panels of lung cancer cells. <i>Scientific Reports</i> , <b>2019</b> , 9, 19529	4.9	7
37	Maternal variant in the upstream of FOXP3 gene on the X chromosome is associated with recurrent infertility in Japanese Black cattle. <i>BMC Genetics</i> , <b>2017</b> , 18, 103	2.6	6

36	Artificial "ping-pong" cascade of PIWI-interacting RNA in silkworm cells. <i>Rna</i> , <b>2017</b> , 23, 86-97	5.8	6
35	Sexually biased transcripts at early embryonic stages of the silkworm depend on the sex chromosome constitution. <i>Gene</i> , <b>2015</b> , 560, 50-6	3.8	6
34	The developmental fate of green fluorescent mouse embryonic germ cells in chimeric embryos. <i>Cell Research</i> , <b>1999</b> , 9, 201-8	24.7	6
33	Construction and Preliminary Characterization of Full length Enriched cDNA Libraries for Nonhuman Primates. <i>Primate Research</i> , <b>2000</b> , 16, 95-110	0.1	6
32	Restriction glycosylases: involvement of endonuclease activities in the restriction process. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 1392-1403	20.1	6
31	Candidate gene identification of ovulation-inducing genes by RNA sequencing with an in vivo assay in zebrafish. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196544	3.7	6
30	Identification of potential regulatory mutations using multi-omics analysis and haplotyping of lung adenocarcinoma cell lines. <i>Scientific Reports</i> , <b>2018</b> , 8, 4926	4.9	5
29	Molecular cloning and characterization of a gene expressed in mouse developing tongue, mDscr5 gene, a homolog of human DSCR5 (Down syndrome Critical Region gene 5). <i>Mammalian Genome</i> , <b>2001</b> , 12, 347-51	3.2	5
28	Hunting the subset-specific genes of neuroblastoma: expression profiling and differential screening of the full-length-enriched oligo-capping cDNA libraries. <i>Medical and Pediatric Oncology</i> , <b>2000</b> , 35, 547-9		5
27	Association between favorable neuroblastoma and high expression of the novel metalloproteinase gene, nbla3145/XCE, cloned by differential screening of the full-length-enriched oligo-capping neuroblastoma cDNA libraries. <i>Medical and Pediatric Oncology</i> , <b>2000</b> , 35, 628-31		5
26	cDNA cloning and chromosomal mapping of mouse BH-protocadherin. <i>DNA Sequence</i> , <b>1999</b> , 10, 43-7		5
25	IL-25, IL-33 and TSLP receptor are not critical for development of experimental murine malaria. <i>Biochemistry and Biophysics Reports</i> , <b>2016</b> , 5, 191-195	2.2	5
24	Comparative analysis of transcriptomes in aerial stems and roots of <i>Ephedra sinica</i> based on high-throughput mRNA sequencing. <i>Genomics Data</i> , <b>2016</b> , 10, 4-11		4
23	Large-scale sequencing analysis of the full-length cDNA library of human hepatocellular carcinoma. <i>Journal of Biomedical Science</i> , <b>2003</b> , 10, 636-643	13.3	4
22	Comparative genomic analyses illuminate the distinct evolution of megabats within Chiroptera. <i>DNA Research</i> , <b>2020</b> , 27,	4.5	4
21	Comprehensive analysis of gene expression profiles reveals novel candidates of chemotherapy resistant factors in canine lymphoma. <i>Veterinary Journal</i> , <b>2017</b> , 228, 18-21	2.5	3
20	A de novo mutation of the MYH7 gene in a large Chinese family with autosomal dominant myopathy. <i>Human Genome Variation</i> , <b>2015</b> , 2, 15022	1.8	3
19	Associations between nucleosome phasing, sequence asymmetry, and tissue-specific expression in a set of inbred Medaka species. <i>BMC Genomics</i> , <b>2015</b> , 16, 978	4.5	3

18	Molecular cloning and phylogenetic analysis of canine beta-casein. <i>DNA Sequence</i> , <b>2000</b> , 11, 295-300		3
17	Induction of c-met proto-oncogene expression at the metastatic site. <i>Clinical and Experimental Metastasis</i> , <b>1999</b> , 17, 457-62	4.7	3
16	Identification of deleterious recessive haplotypes and candidate deleterious recessive mutations in Japanese Black cattle. <i>Scientific Reports</i> , <b>2021</b> , 11, 6687	4.9	3
15	Quantifying local malignant adaptation in tissue-specific evolutionary trajectories by harnessing cancer's repeatability at the genetic level. <i>Evolutionary Applications</i> , <b>2019</b> , 12, 1062-1075	4.8	2
14	Comparative Analysis of Genome and Epigenome in Closely Related Medaka Species Identifies Conserved Sequence Preferences for DNA Hypomethylated Domains. <i>Zoological Science</i> , <b>2016</b> , 33, 358-65	4.8	2
13	Effects of androgen and oestrogen on IGF pathways controlling phallus growth. <i>Reproduction</i> , <b>2019</b> , 157, 1-12	3.8	2
12	No novel, high penetrant gene might remain to be found in Japanese patients with unknown MODY. <i>Journal of Human Genetics</i> , <b>2018</b> , 63, 821-829	4.3	1
11	DNA aneuploidy and centrosome amplification in canine tumor cell lines. <i>Tissue and Cell</i> , <b>2019</b> , 61, 67-71	2.7	1
10	Down-regulation in multiple human cancers of a novel gene, DMHC, from 17q25.1 that encodes an integral membrane protein. <i>Japanese Journal of Cancer Research</i> , <b>2001</b> , 92, 417-22		1
9	Frequent Pathway Mutations of Splicing Machinery in Myelodysplasia. <i>Blood</i> , <b>2011</b> , 118, 458-458	2.2	1
8	Spindle assembly checkpoint competence in aneuploid canine malignant melanoma cell lines. <i>Tissue and Cell</i> , <b>2020</b> , 67, 101403	2.7	1
7	Networking and Specificity-Changing DNA Methyltransferases in. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1628	5.7	1
6	Monoallelic, antisense and total RNA transcription in a neural differentiation system based on F1 hybrid mice. <i>Journal of Cell Science</i> , <b>2019</b> , 132,	5.3	1
5	Complete genome sequence and bioinformatics analysis of nine Egyptian females with clinical information from different geographic regions in Egypt. <i>Gene</i> , <b>2021</b> , 769, 145237	3.8	1
4	Involvement of mutation-based inhibition of beta-catenin phosphorylation at Ser33 in the malignant progression of lung (pre)neoplastic lesions induced by N-nitrosobis(2-hydroxypropyl)amine in male Fischer 344 rats. <i>Lung</i> , <b>2007</b> , 185, 271-278	2.9	
3	Evaluation of the proper dosage of lapatinib and its safety in dogs. <i>Translational and Regulatory Sciences</i> , <b>2020</b> , 2, 68-71	0.3	
2	Functional Analysis of SRSF2 Mutations in Myelodysplastic Syndromes and Related Disorders. <i>Blood</i> , <b>2011</b> , 118, 1706-1706	2.2	
1	Whole-genome Methylation Analysis of APOBEC Enzyme-converted DNA (~5 kb) by Nanopore Sequencing.. <i>Bio-protocol</i> , <b>2022</b> , 12, e4345	0.9	

