Jun-ichi Nakayama

List of Publications by Year
in descending order

75	7,005	94433	76900
papers	citations	37 h-index	74 g-index

75	75	75	6989
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Leo1 is essential for the dynamic regulation of heterochromatin and gene expression during cellular quiescence. Epigenetics and Chromatin, 2019, 12, 45.	3.9	17
2	H3K14 ubiquitylation promotes H3K9 methylation for heterochromatin assembly. EMBO Reports, 2019, 20, e48111.	4.5	35
3	Do the charges matter?â€"balancing the charges of the chromodomain proteins on the nucleosome. Journal of Biochemistry, 2019, 165, 455-458.	1.7	5
4	Chromosome-associated RNAâ€"protein complexes promote pairing of homologous chromosomes during meiosis in Schizosaccharomyces pombe. Nature Communications, 2019, 10, 5598.	12.8	47
5	Mitotic phosphorylation of HP1Î± regulates its cell cycle-dependent chromatin binding. Journal of Biochemistry, 2019, 165, 433-446.	1.7	10
6	Ribosomal protein eL42 contributes to the catalytic activity of the yeast ribosome at the elongation step of translation. Biochimie, 2019, 158, 20-33.	2.6	8
7	KDM2A-dependent reduction of rRNA transcription on glucose starvation requires HP1 in cells, including triple-negative breast cancer cells. Oncotarget, 2019, 10, 4743-4760.	1.8	5
8	Structural Basis of Heterochromatin Formation by Human HP1. Molecular Cell, 2018, 69, 385-397.e8.	9.7	196
9	Meiosisâ€specific cohesin component, Rec8, promotes the localization of Mps3 SUN domain protein on the nuclear envelope. Genes To Cells, 2018, 24, 94-106.	1.2	11
10	RNAi-dependent heterochromatin assembly in fission yeast Schizosaccharomyces pombe requires heat-shock molecular chaperones Hsp90 and Mas5. Epigenetics and Chromatin, 2018, 11, 26.	3.9	11
11	The binding of Chp2â€™s chromodomain to methylated H3K9 is essential for Chp2â€™s role in heterochromatin assembly in fission yeast. PLoS ONE, 2018, 13, e0201101.	2.5	5
12	Cancer-related transcription regulator protein NAC1 forms a protein complex with CARM1 for ovarian cancer progression. Oncotarget, 2018, 9, 28408-28420.	1.8	15
13	Phosphorylation of CBX2 controls its nucleosome-binding specificity. Journal of Biochemistry, 2017, 162, 343-355.	1.7	31
14	Regulation of mitotic recombination between DNA repeats in centromeres. Nucleic Acids Research, 2017, 45, 11222-11235.	14.5	26
15	Impact of nucleic acid and methylated H3K9 binding activities of Suv39h1 on its heterochromatin assembly. ELife, 2017, 6, .	6.0	61
16	The intron in centromeric noncoding RNA facilitates RNAi-mediated formation of heterochromatin. PLoS Genetics, 2017, 13, e1006606.	3.5	10
17	A Functional Role for the Monomethylated Gln-51 and Lys-53 Residues of the 49GGQTK53 Motif of eL42 from Human 80S Ribosomes. The Open Biochemistry Journal, 2017, 11, 8-26.	0.5	5
18	Gic1 is a novel heterochromatin boundary protein in vivo. Genes and Genetic Systems, 2016, 91, 151-159.	0.7	2

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19	Four domains of Ada1 form a heterochromatin boundary through different mechanisms. Genes To Cells, 2016, 21, 1125-1136.	1.2	5
20	Extended string-like binding of the phosphorylated HP1Î± N-terminal tail to the lysine 9-methylated histone H3 tail. Scientific Reports, 2016, 6, 22527.	3.3	23
21	Population Genomics of the Fission Yeast Schizosaccharomyces pombe. PLoS ONE, 2014, 9, e104241.	2.5	44
22	Physical and Functional Interactions between the Histone H3K4 Demethylase KDM5A and the Nucleosome Remodeling and Deacetylase (NuRD) Complex. Journal of Biological Chemistry, 2014, 289, 28956-28970.	3.4	67
23	N-terminal phosphorylation of HP1Î± increases its nucleosome-binding specificity. Nucleic Acids Research, 2014, 42, 12498-12511.	14.5	63
24	Biochemical and structural properties of heterochromatin protein 1: understanding its role in chromatin assembly. Journal of Biochemistry, 2014, 156, 11-20.	1.7	65
25	Single Cell Visualization of Yeast Gene Expression Shows Correlation of Epigenetic Switching between Multiple Heterochromatic Regions through Multiple Generations. PLoS Biology, 2013, 11, e1001601.	5.6	27
26	<scp>C</scp>â€terminus of the <scp>S</scp>gf73 subunit of <scp>SAGA</scp> and <scp>SLIK</scp> is important for retention in the larger complex and for heterochromatin boundary function. Genes To Cells, 2013, 18, 823-837.	1.2	17
27	Spt6 prevents transcription-coupled loss of posttranslationally modified histone H3. Scientific Reports, 2013, 3, 2186.	3.3	52
28	Two Different Replication Factor C Proteins, Ctf18 and RFC1, Separately Control PCNA-CRL4^{Cdt2}-Mediated Cdt1 Proteolysis during S Phase and following UV Irradiation. Molecular and Cellular Biology, 2012, 32, 2279-2288.	2.3	24
29	Heterochromatin protein 1 homologue Swi6 acts in concert with Ers1 to regulate RNAi-directed heterochromatin assembly. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6159-6164.	7.1	30
30	A novel RNAi protein, Dsh1, assembles RNAi machinery on chromatin to amplify heterochromatic siRNA. Genes and Development, 2012, 26, 1811-1824.	5.9	22
31	Intrinsic Nucleic Acid-Binding Activity of Chp1 Chromodomain Is Required for Heterochromatic Gene Silencing. Molecular Cell, 2012, 47, 228-241.	9.7	53
32	RNA and epigenetic silencing: Insight from fission yeast. Development Growth and Differentiation, 2012, 54, 129-141.	1.5	34
33	N-Terminal Phosphorylation of HP1Î± Promotes Its Chromatin Binding. Molecular and Cellular Biology, 2011, 31, 1186-1200.	2.3	73
34	Fub1p, a novel protein isolated by boundary screening, binds the proteasome complex. Genes and Genetic Systems, 2011, 86, 305-314.	0.7	16
35	Roles of Fission Yeast Grc3 Protein in Ribosomal RNA Processing and Heterochromatic Gene Silencing. Journal of Biological Chemistry, 2011, 286, 15391-15402.	3.4	23
36	Physiological Roles of Class I HDAC Complex and Histone Demethylase. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-10.	3.0	128

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37	MRG15 binds directly to PALB2 and stimulates homology-directed repair of chromosomal breaks. Journal of Cell Science, 2010, 123, 1124-1130.	2.0	73
38	Methylation of Ribosomal Protein L42 Regulates Ribosomal Function and Stress-adapted Cell Growth. Journal of Biological Chemistry, 2010, 285, 22448-22460.	3.4	27
39	Phosphorylation of Swi6/HP1 regulates transcriptional gene silencing at heterochromatin. Genes and Development, 2009, 23, 18-23.	5.9	61
40	Reconstitution of Arabidopsis thaliana SUMO Pathways in E. coli: Functional Evaluation of SUMO Machinery Proteins and Mapping of SUMOylation Sites by Mass Spectrometry. Plant and Cell Physiology, 2009, 50, 1049-1061.	3.1	78
41	The heterochromatin protein Swi6/HP1 activates replication origins at the pericentromeric region and silent mating-type locus. Nature Cell Biology, 2009, 11, 357-362.	10.3	141
42	Efficient in vitro synthesis of cis-polyisoprenes using a thermostable cis-prenyltransferase from a hyperthermophilic archaeon Thermococcus kodakaraensis. Journal of Biotechnology, 2009, 143, 151-156.	3.8	8
43	Property of cold inducible DEAD-box RNA helicase in hyperthermophilic archaea. Biochemical and Biophysical Research Communications, 2009, 389, 622-627.	2.1	23
44	siRNA-Mediated Heterochromatin Establishment Requires HP1 and Is Associated with Antisense Transcription. Molecular Cell, 2008, 31, 178-189.	9.7	98
45	Balance between Distinct HP1 Family Proteins Controls Heterochromatin Assembly in Fission Yeast. Molecular and Cellular Biology, 2008, 28, 6973-6988.	2.3	100
46	Efficient synthesis of trans-polyisoprene compounds using two thermostable enzymes in an organicâ€“aqueous dual-liquid phase system. Biochemical and Biophysical Research Communications, 2008, 365, 118-123.	2.1	9
47	Fusion of OTT to BSAC Results in Aberrant Up-regulation of Transcriptional Activity. Journal of Biological Chemistry, 2008, 283, 26820-26828.	3.4	13
48	A Conserved SET Domain Methyltransferase, Set11, Modifies Ribosomal Protein Rpl12 in Fission Yeast. Journal of Biological Chemistry, 2008, 283, 7185-7195.	3.4	38
49	MRG-1, an autosome-associated protein, silences X-linked genes and protects germline immortality in Caenorhabditis elegans. Development (Cambridge), 2007, 134, 757-767.	2.5	45
50	Gene Expression and Distribution of Swi6 in Partial Aneuploids of the Fission Yeast Schizosaccharomyces pombe. Cell Structure and Function, 2007, 32, 149-161.	1.1	31
51	Acetylated YY1 regulates Otx2 expression in anterior neuroectoderm at two cis-sites 90 kb apart. EMBO Journal, 2007, 26, 1649-1659.	7.8	28
52	Two different Argonaute complexes are required for siRNA generation and heterochromatin assembly in fission yeast. Nature Structural and Molecular Biology, 2007, 14, 200-207.	8.2	105
53	RBP2 is an MRG15 complex component and down-regulates intragenic histone H3 lysine 4 methylation. Genes To Cells, 2007, 12, 070606122915002-???.	1.2	90
54	Maintenance of self-renewal ability of mouse embryonic stem cells in the absence of DNA methyltransferases Dnmt1, Dnmt3a and Dnmt3b. Genes To Cells, 2006, 11, 805-814.	1.2	482

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55	Conserved Ribonuclease, Eri1, Negatively Regulates Heterochromatin Assembly in Fission Yeast. Current Biology, 2006, 16, 1459-1464.	3.9	56
56	Nuclear RanGAP Is Required for the Heterochromatin Assembly and Is Reciprocally Regulated by Histone H3 and Clr4 Histone Methyltransferase in Schizosaccharomyces pombe. Molecular Biology of the Cell, 2006, 17, 2524-2536.	2.1	18
57	A chromodomain protein, Chp1, is required for the establishment of heterochromatin in fission yeast. EMBO Journal, 2004, 23, 3825-3835.	7.8	192
58	Alp13, an MRG family protein, is a component of fission yeast Clr6 histone deacetylase required for genomic integrity. EMBO Journal, 2003, 22, 2776-2787.	7.8	68
59	Trimethylated lysine 9 of histone H3 is a mark for DNA methylation in Neurospora crassa. Nature Genetics, 2003, 34, 75-79.	21.4	351
60	Fission yeast CENP-B homologs nucleate centromeric heterochromatin by promoting heterochromatin-specific histone tail modifications. Genes and Development, 2002, 16, 1766-1778.	5.9	97
61	Stretch PCR Assay. , 2002, 191, 125-136.		3
62	Role of Histone H3 Lysine 9 Methylation in Epigenetic Control of Heterochromatin Assembly. Science, 2001, 292, 110-113.	12.6	1,575
63	A role for DNA polymerase alpha in epigenetic control of transcriptional silencing in fission yeast. EMBO Journal, 2001, 20, 2857-2866.	7.8	91
64	Immuno-histochemical detection of human telomerase reverse transcriptase in human liver tissues. Oncogene, 2000, 19, 3888-3893.	5.9	50
65	Telomerase Activity and Telomerase Subunits Gene Expression Patterns in Neuroblastoma: A Molecular and Immunohistochemical Study Establishing Prognostic Tools for Fresh-Frozen and Paraffin-Embedded Tissues. Journal of Clinical Oncology, 2000, 18, 2582-2592.	1.6	98
66	A Chromodomain Protein, Swi6, Performs Imprinting Functions in Fission Yeast during Mitosis and Meiosis. Cell, 2000, 101, 307-317.	28.9	176
67	Presence of telomeric G-strand tails in the telomerase catalytic subunit TERT knockout mice. Genes To Cells, 1999, 4, 563-572.	1.2	94
68	Immunohistochemical Detection of Human Telomerase Reverse Transcriptase in Normal Mucosa and Precancerous Lesions of the Stomach. Japanese Journal of Cancer Research, 1999, 90, 589-595.	1.7	44
69	Immuno-histochemical detection of human telomerase catalytic component, hTERT, in human colorectal tumor and non-tumor tissue sections. Oncogene, 1999, 18, 1561-1567.	5.9	158
70	Expression of Telomerase Catalytic Component, Telomerase Reverse Transcriptase, in Human Gastric Carcinomas. Japanese Journal of Cancer Research, 1998, 89, 1099-1103.	1.7	54
71	Telomerase activation by hTRT in human normal fibroblasts and hepatocellular carcinomas. Nature Genetics, 1998, 18, 65-68.	21.4	578
72	Comparative Gene Mapping of the Human and Mouse TEP1 Genes, Which Encode One Protein Component of Telomerases. Genomics, 1997, 46, 46-50.	2.9	18

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73	TLP1: A Gene Encoding a Protein Component of Mammalian Telomerase Is a Novel Member of WD Repeats Family. Cell, 1997, 88, 875-884.	28.9	367
74	A novel quantitative 'stretch PCR assay', that detects a dramatic increase in telomerase activity during the progression of myeloid leukemias. Oncogene, 1996, 13, 2265-74.	5.9	98
75	The UUAG-specific RNA Binding Protein, Heterogeneous Nuclear Ribonucleoprotein D0. Journal of Biological Chemistry, 1995, 270, 22167-22175.	3.4	103