

# Chikashi Obuse

## List of Publications by Year in descending order

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73  
papers

6,124  
citations

94433

37  
h-index

79698

73  
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77  
all docs

77  
docs citations

77  
times ranked

8443  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein phosphatase 1 acts as a RIF1 effector to suppress DSB resection prior to Shieldin action. Cell Reports, 2021, 36, 109383.	6.4	12
2	Chromatin loading of MCM hexamers is associated with di-/tri-methylation of histone H4K20 toward SÅphase entry. Nucleic Acids Research, 2021, 49, 12152-12166.	14.5	12
3	Mapping replication timing domains genome wide in single mammalian cells with single-cell DNA replication sequencing. Nature Protocols, 2020, 15, 4058-4100.	12.0	19
4	Regulation of an adaptor protein STING by Hsp90 <sup>1</sup> 2 to enhance innate immune responses against microbial infections. Cellular Immunology, 2020, 356, 104188.	3.0	6
5	Homozygous nonsense variant in <i>LRIF1</i> associated with facioscapulohumeral muscular dystrophy. Neurology, 2020, 94, e2441-e2447.	1.1	84
6	Rare variant of the epigenetic regulator SMCHD1 in a patient with pituitary hormone deficiency. Scientific Reports, 2020, 10, 10985.	3.3	12
7	Asymmetrical localization of Nup107-160 subcomplex components within the nuclear pore complex in fission yeast. PLoS Genetics, 2019, 15, e1008061.	3.5	22
8	Genome-wide stability of the DNA replication program in single mammalian cells. Nature Genetics, 2019, 51, 529-540.	21.4	66
9	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
10	Role of SmcHD1 in establishment of epigenetic states required for the maintenance of the X-inactivated state in mice. Development (Cambridge), 2018, 145, .	2.5	19
11	Functional characterization of lysosomal interaction of Akt with VRK2. Oncogene, 2018, 37, 5367-5386.	5.9	20
12	Nucleosomes around a mismatched base pair are excluded via an Msh2-dependent reaction with the aid of SNF2 family ATPase Smarcd1. Genes and Development, 2018, 32, 806-821.	5.9	35
13	Human <sc>RIF</sc> 1 and protein phosphatase 1 stimulate <sc>DNA</sc> replication origin licensing but suppress origin activation. EMBO Reports, 2017, 18, 403-419.	4.5	123
14	Compositionally distinct nuclear pore complexes of functionally distinct dimorphic nuclei in ciliate <i>Tetrahymena</i>. Journal of Cell Science, 2017, 130, 1822-1834.	2.0	24
15	Exosomes maintain cellular homeostasis by excreting harmful DNA from cells. Nature Communications, 2017, 8, 15287.	12.8	554
16	Reconstitution of the oocyte nucleolus in mice by a single nucleolar protein, NPM2. Journal of Cell Science, 2017, 130, 2416-2429.	2.0	23
17	Usp7-dependent histone H3 deubiquitylation regulates maintenance of DNA methylation. Scientific Reports, 2017, 7, 55.	3.3	50
18	Inhibition of RIF1 by SCAI Allows BRCA1-Mediated Repair. Cell Reports, 2017, 20, 297-307.	6.4	24

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19	Defects in dosage compensation impact global gene regulation in the mouse trophoblast. <i>Development</i> (Cambridge), 2017, 144, 2784-2797.	2.5	31
20	The dataset of proteins specifically interacted with activated TICAM-1. <i>Data in Brief</i> , 2016, 8, 697-699.	1.0	1
21	Histone H4 lysine 20 acetylation is associated with gene repression in human cells. <i>Scientific Reports</i> , 2016, 6, 24318.	3.3	40
22	14-3-3-zeta participates in TLR3-mediated TICAM-1 signal-platform formation. <i>Molecular Immunology</i> , 2016, 73, 60-68.	2.2	20
23	Clinical, muscle pathological, and genetic features of Japanese facioscapulohumeral muscular dystrophy 2 (FSHD2) patients with SMCHD1 mutations. <i>Neuromuscular Disorders</i> , 2016, 26, 300-308.	0.6	12
24	Histone H3K36 trimethylation is essential for multiple silencing mechanisms in fission yeast. <i>Nucleic Acids Research</i> , 2016, 44, 4147-4162.	14.5	44
25	Retinoblastoma-binding Protein 4-regulated Classical Nuclear Transport Is Involved in Cellular Senescence. <i>Journal of Biological Chemistry</i> , 2015, 290, 29375-29388.	3.4	31
26	Functional characterization of importin $\beta$ 8 as a classical nuclear localization signal receptor. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2676-2683.	4.1	20
27	HJURP is involved in the expansion of centromeric chromatin. <i>Molecular Biology of the Cell</i> , 2015, 26, 2742-2754.	2.1	38
28	Distribution of histone H4 modifications as revealed by a panel of specific monoclonal antibodies. <i>Chromosome Research</i> , 2015, 23, 753-766.	2.2	49
29	An annexin A1-FPR1 interaction contributes to necroptosis of keratinocytes in severe cutaneous adverse drug reactions. <i>Science Translational Medicine</i> , 2014, 6, 245ra95.	12.4	95
30	A novel method for purification of the endogenously expressed fission yeast Set2 complex. <i>Protein Expression and Purification</i> , 2014, 97, 44-49.	1.3	2
31	CxxC-ZF Domain Is Needed for KDM2A to Demethylate Histone in rDNA Promoter in Response to Starvation. <i>Cell Structure and Function</i> , 2014, 39, 79-92.	1.1	18
32	Human Origin Recognition Complex Binds Preferentially to G-quadruplex-preferable RNA and Single-stranded DNA. <i>Journal of Biological Chemistry</i> , 2013, 288, 30161-30171.	3.4	94
33	Human inactive X chromosome is compacted through a PRC2-independent SMCHD1-HBIX1 pathway. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 566-573.	8.2	164
34	Vertebrate Spt2 is a novel nucleolar histone chaperone that assists in ribosomal DNA transcription. <i>Journal of Cell Science</i> , 2013, 126, 1323-32.	2.0	24
35	A co-localization model of paired ChIP-seq data using a large ENCODE data set enables comparison of multiple samples. <i>Nucleic Acids Research</i> , 2013, 41, 54-62.	14.5	8
36	Histone chaperone activity of Fanconi anemia proteins, FANCD2 and FANCI, is required for DNA crosslink repair. <i>EMBO Journal</i> , 2012, 31, 3524-3536.	7.8	61

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37	Epstein-Barr Nuclear Antigen 1 (EBNA1)-dependent Recruitment of Origin Recognition Complex (Orc) on oriP of Epstein-Barr Virus with Purified Proteins. <i>Journal of Biological Chemistry</i> , 2012, 287, 23977-23994.	3.4	17
38	An Inducible RNA Interference System in <i>Physcomitrella patens</i> Reveals a Dominant Role of Augmin in Phragmoplast Microtubule Generation. <i>Plant Cell</i> , 2012, 24, 1478-1493.	6.6	116
39	A mutation of the fission yeast EB1 overcomes negative regulation by phosphorylation and stabilizes microtubules. <i>Experimental Cell Research</i> , 2012, 318, 262-275.	2.6	20
40	The initial phase of chromosome condensation requires Cdk1-mediated phosphorylation of the CAP-D3 subunit of condensin II. <i>Genes and Development</i> , 2011, 25, 863-874.	5.9	114
41	SHP2 Tyrosine Phosphatase Converts Parafibromin/Cdc73 from a Tumor Suppressor to an Oncogenic Driver. <i>Molecular Cell</i> , 2011, 43, 45-56.	9.7	97
42	CDK promotes interactions of Sld3 and Drc1 with Cut5 for initiation of DNA replication in fission yeast. <i>Molecular Biology of the Cell</i> , 2011, 22, 2620-2633.	2.1	34
43	Raftlin Is Involved in the Nucleocapture Complex to Induce Poly(I:C)-mediated TLR3 Activation. <i>Journal of Biological Chemistry</i> , 2011, 286, 10702-10711.	3.4	75
44	Casein kinase 2-dependent phosphorylation of human Rad9 mediates the interaction between human Rad9 and Rad1 complex and TopBP1. <i>Genes To Cells</i> , 2010, 15, 761-771.	1.2	41
45	Human POGZ modulates dissociation of HP1 from mitotic chromosome arms through Aurora B activation. <i>Nature Cell Biology</i> , 2010, 12, 719-727.	10.3	214
46	Inner centromere formation requires hMis14, a trident kinetochore protein that specifically recruits HP1 to human chromosomes. <i>Journal of Cell Biology</i> , 2010, 188, 791-807.	5.2	40
47	Cul8/Rtt101 Forms a Variety of Protein Complexes That Regulate DNA Damage Response and Transcriptional Silencing. <i>Journal of Biological Chemistry</i> , 2010, 285, 9858-9867.	3.4	41
48	Nucleosome Formation Activity of Human Somatic Nuclear Autoantigenic Sperm Protein (sNASP). <i>Journal of Biological Chemistry</i> , 2010, 285, 11913-11921.	3.4	54
49	Characterization of the interaction of influenza virus NS1 with Akt. <i>Biochemical and Biophysical Research Communications</i> , 2010, 395, 312-317.	2.1	26
50	The augmin complex plays a critical role in spindle microtubule generation for mitotic progression and cytokinesis in human cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6998-7003.	7.1	229
51	Active establishment of centromeric CENP-A chromatin by RSF complex. <i>Journal of Cell Biology</i> , 2009, 185, 397-407.	5.2	136
52	<i>Schizosaccharomyces pombe</i> cell division cycle under limited glucose requires Ssp1 kinase, the putative CaMKK, and Sds23, a PP2A-related phosphatase inhibitor. <i>Genes To Cells</i> , 2009, 14, 539-554.	1.2	67
53	The E3 Ligase TTC3 Facilitates Ubiquitination and Degradation of Phosphorylated Akt. <i>Developmental Cell</i> , 2009, 17, 800-810.	7.0	129
54	Involvement of human ORC and TRF2 in pre-replication complex assembly at telomeres. <i>Genes To Cells</i> , 2008, 13, 1045-1059.	1.2	50

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55	Diminishing HDACs by drugs or mutations promotes normal or abnormal sister chromatid separation by affecting APC/C and adherin. <i>Journal of Cell Science</i> , 2008, 121, 1107-1118.	2.0	13
56	Priming of Centromere for CENP-A Recruitment by Human hMis18 <sup>1±</sup> , hMis18 <sup>2</sup> , and M18BP1. <i>Developmental Cell</i> , 2007, 12, 17-30.	7.0	353
57	Human Blinkin/AF15q14 Is Required for Chromosome Alignment and the Mitotic Checkpoint through Direct Interaction with Bub1 and BubR1. <i>Developmental Cell</i> , 2007, 13, 663-676.	7.0	270
58	<i>Helicobacter pylori</i> CagA targets PAR1/MARK kinase to disrupt epithelial cell polarity. <i>Nature</i> , 2007, 447, 330-333.	27.8	435
59	Comprehensive analysis of the ICEN (Interphase Centromere Complex) components enriched in the CENP-A chromatin of human cells. <i>Genes To Cells</i> , 2006, 11, 673-684.	1.2	180
60	The reconstituted human Chl12-RFC complex functions as a second PCNA loader. <i>Genes To Cells</i> , 2004, 9, 279-290.	1.2	38
61	Proteomics analysis of the centromere complex from HeLa interphase cells: UV-damaged DNA binding protein 1 (DDB-1) is a component of the CEN-complex, while BMI-1 is transiently co-localized with the centromeric region in interphase. <i>Genes To Cells</i> , 2004, 9, 105-120.	1.2	158
62	A conserved Mis12 centromere complex is linked to heterochromatic HP1 and outer kinetochore protein Zwint-1. <i>Nature Cell Biology</i> , 2004, 6, 1135-1141.	10.3	241
63	The role of Ppe1/PP6 phosphatase for equal chromosome segregation in fission yeast kinetochore. <i>EMBO Journal</i> , 2003, 22, 2752-2763.	7.8	36
64	The ORC1 Cycle in Human Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 41535-41540.	3.4	78
65	The ORC1 Cycle in Human Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 41528-41534.	3.4	98
66	A Proteomics Approach to Identify Proliferating Cell Nuclear Antigen (PCNA)-binding Proteins in Human Cell Lysates. <i>Journal of Biological Chemistry</i> , 2002, 277, 40362-40367.	3.4	78
67	Scheduled Conversion of Replication Complex Architecture at Replication Origins of <i>Saccharomyces cerevisiae</i> during the Cell Cycle. <i>Journal of Biological Chemistry</i> , 2002, 277, 15881-15889.	3.4	6
68	Clamp and clamp loader structures of the human checkpoint protein complexes, Rad9-1-1 and Rad17-RFC. <i>Genes To Cells</i> , 2002, 7, 861-868.	1.2	81
69	PCNA clamp facilitates action of DNA cytosine methyltransferase 1 on hemimethylated DNA. <i>Genes To Cells</i> , 2002, 7, 997-1007.	1.2	115
70	Association of Human Origin Recognition Complex 1 with Chromatin DNA and Nuclease-resistant Nuclear Structures. <i>Journal of Biological Chemistry</i> , 2000, 275, 5904-5910.	3.4	43
71	Regulation of DNA-replication origins during cell-cycle progression. <i>Nature</i> , 1998, 395, 618-621.	27.8	394
72	Cell cycle dependent topological changes of chromosomal replication origins in <i>Saccharomyces cerevisiae</i> . <i>Genes To Cells</i> , 1998, 3, 737-749.	1.2	19

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73	The efficiency and timing of initiation of replication of multiple replicons of <i>Saccharomyces cerevisiae</i> chromosome VI. <i>Genes To Cells</i> , 1997, 2, 655-665.	1.2	122