

# 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  
g-index

77  
all docs

77  
docs citations

77  
times ranked

8443  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Exosomes maintain cellular homeostasis by excreting harmful DNA from cells. <i>Nature Communications</i> , 2017, 8, 15287.   | 12.8 | 554       |
| 2  | <i>Helicobacter pylori</i> CagA targets PAR1/MARK kinase to disrupt epithelial cell polarity. <i>Nature</i> , 2007, 447, 330-333.  | 27.8 | 435       |
| 3  | Regulation of DNA-replication origins during cell-cycle progression. <i>Nature</i> , 1998, 395, 618-621.   | 27.8 | 394       |
| 4  | 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       |
| 5  | 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       |
| 6  | 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       |
| 7  | 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       |
| 8  | Human POGZ modulates dissociation of HP1 <sup>1</sup> from mitotic chromosome arms through Aurora B activation. <i>Nature Cell Biology</i> , 2010, 12, 719-727.  | 10.3 | 214       |
| 9  | 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       |
| 10 | 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       |
| 11 | 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       |
| 12 | Active establishment of centromeric CENP-A chromatin by RSF complex. <i>Journal of Cell Biology</i> , 2009, 185, 397-407.  | 5.2  | 136       |
| 13 | The E3 Ligase TTC3 Facilitates Ubiquitination and Degradation of Phosphorylated Akt. <i>Developmental Cell</i> , 2009, 17, 800-810.  | 7.0  | 129       |
| 14 | Human RIF-1 and protein phosphatase 1 stimulate DNA replication origin licensing but suppress origin activation. <i>EMBO Reports</i> , 2017, 18, 403-419.  | 4.5  | 123       |
| 15 | 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       |
| 16 | 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       |
| 17 | PCNA clamp facilitates action of DNA cytosine methyltransferase 1 on hemimethylated DNA. <i>Genes To Cells</i> , 2002, 7, 997-1007.  | 1.2  | 115       |
| 18 | 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       |

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|----|--|------|-----------|
| 19 | The ORC1 Cycle in Human Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 41528-41534.  | 3.4  | 98        |
| 20 | 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        |
| 21 | 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        |
| 22 | 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        |
| 23 | Homozygous nonsense variant in <i>LRIF1</i> associated with facioscapulohumeral muscular dystrophy. <i>Neurology</i> , 2020, 94, e2441-e2447.  | 1.1  | 84        |
| 24 | 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        |
| 25 | 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        |
| 26 | The ORC1 Cycle in Human Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 41535-41540.  | 3.4  | 78        |
| 27 | 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        |
| 28 | <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        |
| 29 | Genome-wide stability of the DNA replication program in single mammalian cells. <i>Nature Genetics</i> , 2019, 51, 529-540.  | 21.4 | 66        |
| 30 | 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        |
| 31 | Nucleosome Formation Activity of Human Somatic Nuclear Autoantigenic Sperm Protein (sNASP). <i>Journal of Biological Chemistry</i> , 2010, 285, 11913-11921.   | 3.4  | 54        |
| 32 | 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        |
| 33 | Usp7-dependent histone H3 deubiquitylation regulates maintenance of DNA methylation. <i>Scientific Reports</i> , 2017, 7, 55.  | 3.3  | 50        |
| 34 | 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        |
| 35 | Histone H3K36 trimethylation is essential for multiple silencing mechanisms in fission yeast. <i>Nucleic Acids Research</i> , 2016, 44, 4147-4162.   | 14.5 | 44        |
| 36 | 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        |

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|----|---|-----|-----------|
| 37 | Casein kinase 2-dependent phosphorylation of human Rad9 mediates the interaction between human Rad9-Hus1-Rad1 complex and TopBP1. <i>Genes To Cells</i> , 2010, 15, 761-771.        | 1.2 | 41        |
| 38 | 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        |
| 39 | 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        |
| 40 | Histone H4 lysine 20 acetylation is associated with gene repression in human cells. <i>Scientific Reports</i> , 2016, 6, 24318.   | 3.3 | 40        |
| 41 | The reconstituted human Chl12-RFC complex functions as a second PCNA loader. <i>Genes To Cells</i> , 2004, 9, 279-290.  | 1.2 | 38        |
| 42 | HJURP is involved in the expansion of centromeric chromatin. <i>Molecular Biology of the Cell</i> , 2015, 26, 2742-2754.  | 2.1 | 38        |
| 43 | 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        |
| 44 | Nucleosomes around a mismatched base pair are excluded via an Msh2-dependent reaction with the aid of SNF2 family ATPase Smarcd1. <i>Genes and Development</i> , 2018, 32, 806-821. | 5.9 | 35        |
| 45 | 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        |
| 46 | 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        |
| 47 | Defects in dosage compensation impact global gene regulation in the mouse trophoblast. <i>Development (Cambridge)</i> , 2017, 144, 2784-2797.                                       | 2.5 | 31        |
| 48 | Characterization of the interaction of influenza virus NS1 with Akt. <i>Biochemical and Biophysical Research Communications</i> , 2010, 395, 312-317.                               | 2.1 | 26        |
| 49 | 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        |
| 50 | Compositionally distinct nuclear pore complexes of functionally distinct dimorphic nuclei in ciliate <i>Tetrahymena</i> . <i>Journal of Cell Science</i> , 2017, 130, 1822-1834.    | 2.0 | 24        |
| 51 | Inhibition of RIF1 by SCAI Allows BRCA1-Mediated Repair. <i>Cell Reports</i> , 2017, 20, 297-307.   | 6.4 | 24        |
| 52 | Reconstitution of the oocyte nucleolus in mice by a single nucleolar protein, NPM2. <i>Journal of Cell Science</i> , 2017, 130, 2416-2429.  | 2.0 | 23        |
| 53 | Asymmetrical localization of Nup107-160 subcomplex components within the nuclear pore complex in fission yeast. <i>PLoS Genetics</i> , 2019, 15, e1008061.                          | 3.5 | 22        |
| 54 | 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        |

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|----|---|------|-----------|
| 55 | 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        |
| 56 | 14-3-3-zeta participates in TLR3-mediated TICAM-1 signal-platform formation. <i>Molecular Immunology</i> , 2016, 73, 60-68.   | 2.2  | 20        |
| 57 | Functional characterization of lysosomal interaction of Akt with VPK2. <i>Oncogene</i> , 2018, 37, 5367-5386.   | 5.9  | 20        |
| 58 | 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        |
| 59 | Role of SmcHD1 in establishment of epigenetic states required for the maintenance of the X-inactivated state in mice. <i>Development (Cambridge)</i> , 2018, 145, .   | 2.5  | 19        |
| 60 | Mapping replication timing domains genome wide in single mammalian cells with single-cell DNA replication sequencing. <i>Nature Protocols</i> , 2020, 15, 4058-4100.  | 12.0 | 19        |
| 61 | 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        |
| 62 | 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        |
| 63 | 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        |
| 64 | 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        |
| 65 | Rare variant of the epigenetic regulator SMCHD1 in a patient with pituitary hormone deficiency. <i>Scientific Reports</i> , 2020, 10, 10985.  | 3.3  | 12        |
| 66 | Protein phosphatase 1 acts as a RIF1 effector to suppress DSB resection prior to Shieldin action. <i>Cell Reports</i> , 2021, 36, 109383.   | 6.4  | 12        |
| 67 | Chromatin loading of MCM hexamers is associated with di-/tri-methylation of histone H4K20 toward S $\Phi$ phase entry. <i>Nucleic Acids Research</i> , 2021, 49, 12152-12166.   | 14.5 | 12        |
| 68 | 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         |
| 69 | 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         |
| 70 | Regulation of an adaptor protein STING by Hsp90 $\beta$ to enhance innate immune responses against microbial infections. <i>Cellular Immunology</i> , 2020, 356, 104188.  | 3.0  | 6         |
| 71 | KDM2A-dependent reduction of rRNA transcription on glucose starvation requires HP1 in cells, including triple-negative breast cancer cells. <i>Oncotarget</i> , 2019, 10, 4743-4760.                                    | 1.8  | 5         |
| 72 | 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         |

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|----|--|-----|-----------|
| 73 | The dataset of proteins specifically interacted with activated TICAM-1. Data in Brief, 2016, 8, 697-699. | 1.0 | 1         |