

Hideo Nishitani

List of Publications by Year in descending order

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59
papers

3,653
citations

218677

26
h-index

144013

57
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60
all docs

60
docs citations

60
times ranked

3197
citing authors

#	ARTICLE	IF	CITATIONS
1	The Cdt1 protein is required to license DNA for replication in fission yeast. <i>Nature</i> , 2000, 404, 625-628.	27.8	429
2	Two E3 ubiquitin ligases, SCF-Skp2 and DDB1-Cul4, target human Cdt1 for proteolysis. <i>EMBO Journal</i> , 2006, 25, 1126-1136.	7.8	350
3	p65cdc18 Plays a major role controlling the initiation of DNA replication in fission yeast. <i>Cell</i> , 1995, 83, 397-405.	28.9	277
4	The Human Licensing Factor for DNA Replication Cdt1 Accumulates in G1 and Is Destabilized after Initiation of S-phase. <i>Journal of Biological Chemistry</i> , 2001, 276, 44905-44911.	3.4	231
5	CDK Inhibitor p21 Is Degraded by a Proliferating Cell Nuclear Antigen-coupled Cul4-DDB1Cdt2 Pathway during S Phase and after UV Irradiation. <i>Journal of Biological Chemistry</i> , 2008, 283, 29045-29052.	3.4	215
6	Control of DNA replication licensing in a cell cycle. <i>Genes To Cells</i> , 2002, 7, 523-534.	1.2	208
7	When Overexpressed, a Novel Centrosomal Protein, RanBPM, Causes Ectopic Microtubule Nucleation Similar to β -Tubulin. <i>Journal of Cell Biology</i> , 1998, 143, 1041-1052.	5.2	175
8	Overexpression of the Replication Licensing Regulators hCdt1 and hCdc6 Characterizes a Subset of Non-Small-Cell Lung Carcinomas. <i>American Journal of Pathology</i> , 2004, 165, 1351-1365.	3.8	160
9	Cdt1 Phosphorylation by Cyclin A-dependent Kinases Negatively Regulates Its Function without Affecting Geminin Binding. <i>Journal of Biological Chemistry</i> , 2004, 279, 19691-19697.	3.4	158
10	Proteolysis of DNA Replication Licensing Factor Cdt1 in S-phase Is Performed Independently of Geminin through Its N-terminal Region. <i>Journal of Biological Chemistry</i> , 2004, 279, 30807-30816.	3.4	110
11	Full-sized RanBPM cDNA encodes a protein possessing a long stretch of proline and glutamine within the N-terminal region, comprising a large protein complex. <i>Gene</i> , 2001, 272, 25-33.	2.2	98
12	Cdt1 and geminin are down-regulated upon cell cycle exit and are over-expressed in cancer-derived cell lines. <i>FEBS Journal</i> , 2004, 271, 3368-3378.	0.2	91
13	A Dual-Specificity Phosphatase Cdc25B Is an Unstable Protein and Triggers p34cdc2/Cyclin B Activation in Hamster BHK21 Cells Arrested with Hydroxyurea. <i>Journal of Cell Biology</i> , 1997, 138, 1105-1116.	5.2	89
14	Control of Genome Integrity by RFC Complexes; Conductors of PCNA Loading onto and Unloading from Chromatin during DNA Replication. <i>Genes</i> , 2017, 8, 52.	2.4	84
15	RanBPM, a Nuclear Protein That Interacts with and Regulates Transcriptional Activity of Androgen Receptor and Glucocorticoid Receptor. <i>Journal of Biological Chemistry</i> , 2002, 277, 48020-48027.	3.4	82
16	Cdt1 associates dynamically with chromatin throughout G1 and recruits Geminin onto chromatin. <i>EMBO Journal</i> , 2007, 26, 1303-1314.	7.8	69
17	Polycomb-group complex 1 acts as an E3 ubiquitin ligase for Geminin to sustain hematopoietic stem cell activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10396-10401.	7.1	57
18	Multiple ORC-binding sites are required for efficient MCM loading and origin firing in fission yeast. <i>EMBO Journal</i> , 2003, 22, 964-974.	7.8	51

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19	Cloning of <i>Xenopus</i> RCC1 cDNA, a Homolog of the Human RCC1 Gene: Complementation of tsBN2 Mutation and Identification of the Product1. <i>Journal of Biochemistry</i> , 1990, 107, 228-235.	1.7	42
20	Dynamic recruitment of licensing factor Cdt1 to sites of DNA damage. <i>Journal of Cell Science</i> , 2011, 124, 422-434.	2.0	39
21	Architecture of the complete oxygen-sensing FixL-FixJ two-component signal transduction system. <i>Science Signaling</i> , 2018, 11, .	3.6	38
22	Alternative replication factor C protein, Elg1, maintains chromosome stability by regulating PCNA levels on chromatin. <i>Genes To Cells</i> , 2013, 18, 946-959.	1.2	34
23	Positively charged residues located downstream of PIP box, together with TD amino acids within PIP box, are important for CRL4Cdt2-mediated proteolysis. <i>Genes To Cells</i> , 2011, 16, 12-22.	1.2	33
24	Two Ubiquitin-Conjugating Enzymes, UbcP1/Ubc4 and UbcP4/Ubc11, Have Distinct Functions for Ubiquitination of Mitotic Cyclin. <i>Molecular and Cellular Biology</i> , 2003, 23, 3497-3505.	2.3	32
25	Proliferating Cell Nuclear Antigen-dependent Rapid Recruitment of Cdt1 and CRL4Cdt2 at DNA-damaged Sites after UV Irradiation in HeLa Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 41993-42000.	3.4	31
26	Replication intermediate of a hybrid plasmid carrying the replication terminus (ter) site of R6K as revealed by agarose gel electrophoresis. <i>Molecular Genetics and Genomics</i> , 1987, 210, 394-398.	2.4	30
27	Phosphorylated HBO1 at UV irradiated sites is essential for nucleotide excision repair. <i>Nature Communications</i> , 2017, 8, 16102.	12.8	29
28	Cdt1 Is Differentially Targeted for Degradation by Anticancer Chemotherapeutic Drugs. <i>PLoS ONE</i> , 2012, 7, e34621.	2.5	27
29	CRL4Cdt2: Coupling Genome Stability to Ubiquitination. <i>Trends in Cell Biology</i> , 2020, 30, 290-302.	7.9	27
30	Specific chromosomal sites enhancing homologous recombination in <i>Escherichia coli</i> mutants defective in RNase H. <i>Molecular Genetics and Genomics</i> , 1993, 240, 307-314.	2.4	24
31	Geminin Cleavage during Apoptosis by Caspase-3 Alters Its Binding Ability to the SWI/SNF Subunit Brahma. <i>Journal of Biological Chemistry</i> , 2007, 282, 9346-9357.	3.4	24
32	Two Different Replication Factor C Proteins, Ctf18 and RFC1, Separately Control PCNA-CRL4Cdt2-Mediated Cdt1 Proteolysis during S Phase and following UV Irradiation. <i>Molecular and Cellular Biology</i> , 2012, 32, 2279-2288.	2.3	24
33	RanBP9 Modulates AICD Localization and Transcriptional Activity via Direct Interaction with Tip60. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 1415-1433.	2.6	21
34	START-GAP2/DLC2 is localized in focal adhesions via its N-terminal region. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 736-741.	2.1	20
35	Caffeine mimics adenine and 2'-deoxyadenosine, both of which inhibit the guanine-nucleotide exchange activity of RCC1 and the kinase activity of ATR. <i>Genes To Cells</i> , 2003, 8, 423-435.	1.2	19
36	Nuclear RanGAP Is Required for the Heterochromatin Assembly and Is Reciprocally Regulated by Histone H3 and Clr4 Histone Methyltransferase in <i>Schizosaccharomyces pombe</i> . <i>Molecular Biology of the Cell</i> , 2006, 17, 2524-2536.	2.1	18

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37	Direct binding of Cdt2 to PCNA is important for targeting the CRL4 ^{Cdt2} E3 ligase activity to Cdt1. <i>Life Science Alliance</i> , 2018, 1, e201800238.	2.8	18
38	A hamster temperature-sensitive G1 mutant, tsBN250 has a single point mutation in histidyl-tRNA synthetase that inhibits an accumulation of cyclin D1. <i>Genes To Cells</i> , 1996, 1, 1101-1112.	1.2	16
39	Inhibition of DNA Damage-induced Apoptosis through Cdc7-mediated Stabilization of Tob. <i>Journal of Biological Chemistry</i> , 2012, 287, 40256-40265.	3.4	16
40	<i>Schizosaccharomyces pombe</i> RanGAP Homolog, SpRna1, Is Required for Centromeric Silencing and Chromosome Segregation. <i>Molecular Biology of the Cell</i> , 2004, 15, 4960-4970.	2.1	15
41	Mismatch repair proteins recruited to ultraviolet light-damaged sites lead to degradation of licensing factor Cdt1 in the G1 phase. <i>Cell Cycle</i> , 2017, 16, 673-684.	2.6	14
42	Checkpoint Kinase ATR Phosphorylates Cdt2, a Substrate Receptor of CRL4 Ubiquitin Ligase, and Promotes the Degradation of Cdt1 following UV Irradiation. <i>PLoS ONE</i> , 2012, 7, e46480.	2.5	13
43	tsBN75 and tsBN423, temperature-sensitive X-linked mutants of the BHK21 cell line, can be complemented by the ubiquitin-activating enzyme E1 cDNA. <i>Biochemical and Biophysical Research Communications</i> , 1992, 184, 1015-1021.	2.1	12
44	Cell Cycle-dependent Subcellular Translocation of the Human DNA Licensing Inhibitor Geminin. <i>Journal of Biological Chemistry</i> , 2013, 288, 23953-23963.	3.4	12
45	Mutations at multiple CDK phosphorylation consensus sites on Cdt2 increase the affinity of CRL4 ^{Cdt2} for PCNA and its ubiquitination activity in S phase. <i>Genes To Cells</i> , 2018, 23, 200-213.	1.2	11
46	Premature chromatin condensation caused by loss of RCC1. , 2000, 4, 145-156.		10
47	PCNA-Dependent Ubiquitination of Cdt1 and p21 in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2014, 1170, 367-382.	0.9	10
48	Loss of RanGEF/Pim1 activity abolishes the orchestration of Ran-mediated mitotic cellular events in <i>S. pombe</i> . <i>Genes To Cells</i> , 2005, 11, 29-46.	1.2	8
49	The cdc18 protein initiates DNA replication in fission yeast. , 1997, 3, 135-142.		7
50	Chromatin Fractionation Analysis of Licensing Factors in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2014, 1170, 517-527.	0.9	7
51	Mitotic UV Irradiation Induces a DNA Replication-Licensing Defect that Potentiates G1 Arrest Response. <i>PLoS ONE</i> , 2015, 10, e0120553.	2.5	7
52	Identification of novel suppressors for Mog1 implies its involvement in RNA metabolism, lipid metabolism and signal transduction. <i>Gene</i> , 2007, 400, 114-121.	2.2	6
53	Temperature-sensitive defects of the GSP1 gene, yeast Ran homologue, activate the Tel1-dependent pathway. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 330-336.	2.1	5
54	<i>Schizosaccharomyces pombe</i> Snf2SR, a novel SNF2 family protein, interacts with Ran GTPase and modulates both RanGEF and RanGAP activities. <i>Genes To Cells</i> , 2008, 13, 571-582.	1.2	4

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55	Thymine <scp>DNA</scp> glycosylase modulates <scp>DNA</scp> damage response and gene expression by base excision repairâ€dependent and independent mechanisms. <i>Genes To Cells</i> , 2017, 22, 392-405.	1.2	4
56	A DNA-binding domain in the C-terminal region of Cdt2 enhances the DNA synthesis-coupled CRL4Cdt2 ubiquitin ligase activity for Cdt1. <i>Journal of Biochemistry</i> , 2019, 165, 505-516.	1.7	4
57	Imaging Analysis to Determine Chromatin Binding of the Licensing Factor MCM2-7 in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2014, 1170, 529-537.	0.9	4
58	Imaging Analysis of Cell Cycle-Dependent Degradation of Cdt1 in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2014, 1170, 357-365.	0.9	2
59	CRL4Cdt2 Ubiquitin Ligase, A Genome Caretaker Controlled by Cdt2 Binding to PCNA and DNA. <i>Genes</i> , 2022, 13, 266.	2.4	2