Nobuo Horikoshi

List of Publications by Year
in descending order

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52 papers	2,286 citations	218677 26 h-index	214800 47 g-index
53 all docs	53 docs citations	53 times ranked	3939 citing authors

#	Article	IF	Citations
1	Hyperthermia Activates a Subset of Ataxia-Telangiectasia Mutated Effectors Independent of DNA Strand Breaks and Heat Shock Protein 70 Status. Cancer Research, 2007, 67, 3010-3017.	0.9	153
2	Classical non-homologous end-joining pathway utilizes nascent RNA for error-free double-strand break repair of transcribed genes. Nature Communications, 2016, 7, 13049.	12.8	136
3	Geldanamycin and its anti-cancer activities. Cancer Letters, 2010, 290, 24-35.	7.2	135
4	Identification of Cardiac-Specific Myosin Light Chain Kinase. Circulation Research, 2008, 102, 571-580.	4.5	127
5	Role of 53BP1 in the Regulation of DNA Double-Strand Break Repair Pathway Choice. Radiation Research, 2014, 181, 1-8.	1.5	122
6	Histone Modifications and DNA Double-Strand Break Repair after Exposure to Ionizing Radiations. Radiation Research, 2013, 179, 383-392.	1.5	120
7	Lamin A/C Depletion Enhances DNA Damage-Induced Stalled Replication Fork Arrest. Molecular and Cellular Biology, 2013, 33, 1210-1222.	2.3	101
8	Gene expression profiling of the aging mouse cardiac myocytes. Nucleic Acids Research, 2002, 30, 3788-3794.	14.5	92
9	A novel p53-inducible apoptogenic gene, PRG3, encodes a homologue of the apoptosis-inducing factor (AIF). FEBS Letters, 2002, 524, 163-171.	2.8	92
10	Characterization of Homo- and Heterodimerization of Cardiac Csx/Nkx2.5 Homeoprotein. Journal of Biological Chemistry, 2001, 276, 4570-4580.	3.4	88
11	Perinatal Loss of Nkx2-5 Results in Rapid Conduction and Contraction Defects. Circulation Research, 2008, 103, 580-590.	4.5	86
12	MOF Phosphorylation by ATM Regulates 53BP1-Mediated Double-Strand Break Repair Pathway Choice. Cell Reports, 2014, 8, 177-189.	6.4	83
13	The role of the DNA double-strand break response network in meiosis. DNA Repair, 2004, 3, 1149-1164.	2.8	77
14	Emerging evidence for targeting mitochondrial metabolic dysfunction in cancer therapy. Journal of Clinical Investigation, 2018, 128, 3682-3691.	8.2	59
15	Isolation of Differentially Expressed cDNAs from p53-Dependent Apoptotic Cells: Activation of the Human Homologue of the Drosophila Peroxidasin Gene. Biochemical and Biophysical Research Communications, 1999, 261, 864-869.	2.1	58
16	Chromatin modifications and the DNA damage response to ionizing radiation. Frontiers in Oncology, 2013, 2, 214.	2.8	55
17	Genome-wide distribution of histone H4 Lysine 16 acetylation sites and their relationship to gene expression. Genome Integrity, 2013, 4, 3.	1.0	46
18	Transcription regulation of CDKN1A (p21/CIP1/WAF1) by TRF2 is epigenetically controlled through the REST repressor complex. Scientific Reports, 2017, 7, 11541.	3.3	44

#	Article	IF	Citations
19	DNA breathing dynamics distinguish binding from nonbinding consensus sites for transcription factor YY1 in cells. Nucleic Acids Research, 2012, 40, 10116-10123.	14.5	39
20	Novel Chemical Enhancers of Heat Shock Increase Thermal Radiosensitization through a Mitotic Catastrophe Pathway. Cancer Research, 2007, 67, 695-701.	0.9	37
21	Oxidative Stress Plays a Critical Role in Inactivating Mutant BRAF by Geldanamycin Derivatives. Cancer Research, 2008, 68, 6324-6330.	0.9	35
22	T-cell-specific deletion of Mof blocks their differentiation and results in genomic instability in mice. Mutagenesis, 2013, 28, 263-270.	2.6	35
23	Differentiation of Human Induced Pluripotent or Embryonic Stem Cells Decreases the DNA Damage Repair by Homologous Recombination. Stem Cell Reports, 2017, 9, 1660-1674.	4.8	33
24	Pre-existing H4K16ac levels in euchromatin drive DNA repair by homologous recombination in S-phase. Communications Biology, 2019, 2, 253.	4.4	33
25	Lysine 68 acetylation directs MnSOD as a tetrameric detoxification complex versus a monomeric tumor promoter. Nature Communications, 2019, 10, 2399.	12.8	33
26	Inhibition of Stress-Inducible Kinase Pathways by Tumorigenic Mutant p53. Molecular and Cellular Biology, 2003, 23, 322-334.	2.3	29
27	Combined inhibition of extracellular signal-regulated kinases and HSP90 sensitizes human colon carcinoma cells to ionizing radiation. Oncogene, 2005, 24, 3011-3019.	5.9	26
28	Does PTEN Loss Impair DNA Double-Strand Break Repair by Homologous Recombination?. Clinical Cancer Research, 2012, 18, 920-922.	7.0	26
29	The role of MOF in the ionizing radiation response is conserved in Drosophila melanogaster. Chromosoma, 2012, 121, 79-90.	2.2	26
30	Another Function for the Mitochondrial Ribosomal RNA:Â Protein Foldingâ€. Biochemistry, 2001, 40, 11559-11564.	2.5	25
31	Profiling the Thermodynamic Softness of Adenoviral Promoters. Biophysical Journal, 2008, 95, 597-608.	0.5	25
32	Detecting ATM-Dependent Chromatin Modification in DNA Damage Response. Methods in Molecular Biology, 2015, 1288, 317-336.	0.9	20
33	Single-Strand DNA-Binding Protein SSB1 Facilitates TERT Recruitment to Telomeres and Maintains Telomere G-Overhangs. Cancer Research, 2015, 75, 858-869.	0.9	19
34	The Herpes Simplex Virus Immediate-Early Ubiquitin Ligase ICP0 Induces Degradation of the ICP0 Repressor Protein E2FBP1. Journal of Virology, 2011, 85, 3356-3366.	3.4	18
35	Mutant p53 Disrupts the Stress MAPK Activation Circuit Induced by ASK1-Dependent Stabilization of Daxx. Cancer Research, 2009, 69, 7681-7688.	0.9	17
36	Phosphorylation-Dependent Lys63-Linked Polyubiquitination of Daxx Is Essential for Sustained TNF-Î±â€“Induced ASK1 Activation. Cancer Research, 2009, 69, 7512-7517.	0.9	17

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37	Î²2-spectrin depletion impairs DNA damage repair. Oncotarget, 2016, 7, 33557-33570.	1.8	17
38	A new paradigm for transcription factor TFIIB functionality. Scientific Reports, 2014, 4, 3664.	3.3	16
39	Role of the Exocyst Complex Component Sec6/8 in Genomic Stability. Molecular and Cellular Biology, 2015, 35, 3633-3645.	2.3	13
40	Loss of Sirt2 increases and prolongs a caerulein-induced pancreatitis permissive phenotype and induces spontaneous oncogenic Kras mutations in mice. Scientific Reports, 2018, 8, 16501.	3.3	13
41	Torin2 Suppresses Ionizing Radiation-Induced DNA Damage Repair. Radiation Research, 2016, 185, 527-538.	1.5	11
42	E2FBP1 antagonizes the p16INK4Aâ€Rb tumor suppressor machinery for growth suppression and cellular senescence by regulating promyelocytic leukemia protein stability. International Journal of Oral Science, 2011, 3, 200-208.	8.6	8
43	A multifaceted role for MOF histone modifying factor in genome maintenance. Mechanisms of Ageing and Development, 2017, 161, 177-180.	4.6	8
44	Targeted inhibition of histone deacetylases and hedgehog signaling suppress tumor growth and homologous recombination in aerodigestive cancers. American Journal of Cancer Research, 2015, 5, 1337-52.	1.4	8
45	Heat-induced SIRT1-mediated H4K16ac deacetylation impairs resection and SMARCAD1 recruitment to double strand breaks. IScience, 2022, 25, 104142.	4.1	8
46	Phosphorylation-Dependent Protein Interaction with Trypanosoma brucei 14-3-3 Proteins that Display Atypical Target Recognition. PLoS ONE, 2010, 5, e15566.	2.5	6
47	Trypanosoma brucei 14-3-3I and II proteins predominantly form a heterodimer structure that acts as a potent cell cycle regulator in vivo. Journal of Biochemistry, 2013, 153, 431-439.	1.7	5
48	Identification and characterization of a cell division-regulating kinase AKB1 (associated kinase of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 Biochemistry, 2015, 158, 49-60.	1.7	5
49	Manganese Superoxide Dismutase Acetylation and Regulation of Protein Structure in Breast Cancer Biology and Therapy. Antioxidants, 2022, 11, 635.	5.1	1
50	Tumor Viruses and p53. Molecular Biology Intelligence Unit, 2010, , 160-177.	0.2	0
51	Abstract 2852: Torin2 suppresses ionizing radiation induced DNA damage repair. , 2015, , .		0
52	Abstract 2756: SMARCAD1 depletion enhances hyperthermia-mediated radiosensitization by decreasing resection and enhancing stalled replication forks. , 2016, , .		0