Tej K Pandita

List of Publications by Year
in descending order

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Version: 2024-02-01

88	5,045	101543	95266
papers	citations	36 h-index	68 g-index

94	94	94	9016
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ATM functions at the peroxisome to induce pexophagy in response to ROS. Nature Cell Biology, 2015, 17, 1259-1269.	10.3	361
2	MOF and Histone H4 Acetylation at Lysine 16 Are Critical for DNA Damage Response and Double-Strand Break Repair. Molecular and Cellular Biology, 2010, 30, 3582-3595.	2.3	275
3	hTERT associates with human telomeres and enhances genomic stability and DNA repair. Oncogene, 2003, 22, 131-146.	5.9	221
4	Single-stranded DNA-binding protein hSSB1 is critical for genomic stability. Nature, 2008, 453, 677-681.	27.8	220
5	Involvement of Human MOF in ATM Function. Molecular and Cellular Biology, 2005, 25, 5292-5305.	2.3	215
6	The Mammalian Ortholog of Drosophila MOF That Acetylates Histone H4 Lysine 16 Is Essential for Embryogenesis and Oncogenesis. Molecular and Cellular Biology, 2008, 28, 397-409.	2.3	194
7	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
8	Ionizing radiation activates the ATM kinase throughout the cell cycle. Oncogene, 2000, 19, 1386-1391.	5.9	151
9	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
10	The many faces of histone H3K79 methylation. Mutation Research - Reviews in Mutation Research, 2016, 768, 46-52.	5.5	131
11	Initial Chromosome Damage but Not DNA Damage Is Greater in Ataxia Telangiectasia Cells. Radiation Research, 1992, 130, 94.	1.5	129
12	Mammalian Rad9 Plays a Role in Telomere Stability, S- and G₂-Phase-Specific Cell Survival, and Homologous Recombinational Repair. Molecular and Cellular Biology, 2006, 26, 1850-1864.	2.3	126
13	Role of 53BP1 in the Regulation of DNA Double-Strand Break Repair Pathway Choice. Radiation Research, 2014, 181, 1-8.	1.5	122
14	Histone Modifications and DNA Double-Strand Break Repair after Exposure to Ionizing Radiations. Radiation Research, 2013, 179, 383-392.	1.5	120
15	Chromatin remodeling finds its place in the DNA double-strand break response. Nucleic Acids Research, 2009, 37, 1363-1377.	14.5	113
16	Cell cycle checkpoint defects contribute to genomic instability in PTEN deficient cells independent of DNA DSB repair. Cell Cycle, 2009, 8, 2198-2210.	2.6	107
17	Lamin A/C Depletion Enhances DNA Damage-Induced Stalled Replication Fork Arrest. Molecular and Cellular Biology, 2013, 33, 1210-1222.	2.3	101
18	Human Heterochromatin Protein 1 Isoforms HP1^{Hsî±} and HP1^{Hsî²} Interfere with hTERT-Telomere Interactions and Correlate with Changes in Cell Growth and Response to Ionizing Radiation. Molecular and Cellular Biology, 2003, 23, 8363-8376.	2.3	95

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19	Atm Inactivation Results in Aberrant Telomere Clustering during Meiotic Prophase. Molecular and Cellular Biology, 1999, 19, 5096-5105.	2.3	85
20	The Role of the Mammalian DNA End-processing Enzyme Polynucleotide Kinase 3â€™-Phosphatase in Spinocerebellar Ataxia Type 3 Pathogenesis. PLoS Genetics, 2015, 11, e1004749.	3.5	84
21	MOF Phosphorylation by ATM Regulates 53BP1-Mediated Double-Strand Break Repair Pathway Choice. Cell Reports, 2014, 8, 177-189.	6.4	83
22	Epigenetic Inactivation of the Potential Tumor Suppressor Gene FOXF1 in Breast Cancer. Cancer Research, 2010, 70, 6047-6058.	0.9	81
23	The Contribution of DNA and Chromosome Repair Deficiencies to the Radiosensitivity of Ataxia-Telangiectasia. Radiation Research, 1992, 131, 214.	1.5	79
24	A Role for the HOXB7 Homeodomain Protein in DNA Repair. Cancer Research, 2007, 67, 1527-1535.	0.9	79
25	Neil2-null Mice Accumulate Oxidized DNA Bases in the Transcriptionally Active Sequences of the Genome and Are Susceptible to Innate Inflammation. Journal of Biological Chemistry, 2015, 290, 24636-24648.	3.4	79
26	Constitutive and ligand-induced EGFR signalling triggers distinct and mutually exclusive downstream signalling networks. Nature Communications, 2014, 5, 5811.	12.8	72
27	Chromatin modifications and the DNA damage response to ionizing radiation. Frontiers in Oncology, 2013, 2, 214.	2.8	55
28	HOXC10 Expression Supports the Development of Chemotherapy Resistance by Fine Tuning DNA Repair in Breast Cancer Cells. Cancer Research, 2016, 76, 4443-4456.	0.9	52
29	A multifaceted role for ATM in genome maintenance. Expert Reviews in Molecular Medicine, 2003, 5, 1-21.	3.9	48
30	Human single-stranded DNA binding protein 1 (hSSB1/NABP2) is required for the stability and repair of stalled replication forks. Nucleic Acids Research, 2014, 42, 6326-6336.	14.5	48
31	Genome-wide distribution of histone H4 Lysine 16 acetylation sites and their relationship to gene expression. Genome Integrity, 2013, 4, 3.	1.0	46
32	Purkinje cell-specific males absent on the first (mMof) gene deletion results in an ataxia-telangiectasia-like neurological phenotype and backward walking in mice. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3636-3641.	7.1	44
33	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
34	MCL-1 Depletion Impairs DNA Double-Strand Break Repair and Reinitiation of Stalled DNA Replication Forks. Molecular and Cellular Biology, 2017, 37, .	2.3	44
35	SMARCAD1 Phosphorylation and Ubiquitination Are Required for Resection during DNA Double-Strand Break Repair. IScience, 2018, 2, 123-135.	4.1	44
36	Molecular Parameters of Hyperthermia for Radiosensitization. Critical Reviews in Eukaryotic Gene Expression, 2009, 19, 235-251.	0.9	41

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37	Lysine acetyltransferase 8 is involved in cerebral development and syndromic intellectual disability. Journal of Clinical Investigation, 2020, 130, 1431-1445.	8.2	40
38	miR-15a/miR-16 down-regulates BMI1, impacting Ub-H2A mediated DNA repair and breast cancer cell sensitivity to doxorubicin. Scientific Reports, 2017, 7, 4263.	3.3	39
39	Histone Acetyltransferase Activity of MOF Is Required for MLL-AF9 Leukemogenesis. Cancer Research, 2017, 77, 1753-1762.	0.9	38
40	Chromosome Aberrations in Human Fibroblasts Induced by Monoenergetic Neutrons. I. Relative Biological Effectiveness. Radiation Research, 1996, 145, 730.	1.5	37
41	Histone Acetyltransferase MOF Orchestrates Outcomes at the Crossroad of Oncogenesis, DNA Damage Response, Proliferation, and Stem Cell Development. Molecular and Cellular Biology, 2020, 40, .	2.3	37
42	MOF influences meiotic expansion of H2AX phosphorylation and spermatogenesis in mice. PLoS Genetics, 2018, 14, e1007300.	3.5	36
43	Complete Local and Abscopal Responses from a Combination of Radiation and Nivolumab in Refractory Hodgkin's Lymphoma. Radiation Research, 2018, 190, 322.	1.5	36
44	T-cell-specific deletion of Mof blocks their differentiation and results in genomic instability in mice. Mutagenesis, 2013, 28, 263-270.	2.6	35
45	Histone acetyltransferase activity of MOF is required for adult but not early fetal hematopoiesis in mice. Blood, 2017, 129, 48-59.	1.4	34
46	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
47	Î²1-Integrin Impacts Rad51 Stability and DNA Double-Strand Break Repair by Homologous Recombination. Molecular and Cellular Biology, 2018, 38, .	2.3	33
48	Pre-existing H4K16ac levels in euchromatin drive DNA repair by homologous recombination in S-phase. Communications Biology, 2019, 2, 253.	4.4	33
49	Inhibition of Telomerase Activity Enhances Hyperthermia-Mediated Radiosensitization. Cancer Research, 2008, 68, 3370-3378.	0.9	32
50	Breakthroughs and Applications of Organ-on-a-Chip Technology. Cells, 2022, 11, 1828.	4.1	27
51	The role of MOF in the ionizing radiation response is conserved in Drosophila melanogaster. Chromosoma, 2012, 121, 79-90.	2.2	26
52	EXO5-DNA structure and BLM interactions direct DNA resection critical for ATR-dependent replication restart. Molecular Cell, 2021, 81, 2989-3006.e9.	9.7	26
53	Stress Signaling and Myc Downregulation: Implications for Cancer. Cell Cycle, 2004, 3, 591-594.	2.6	25
54	Histone acetyltransferase KAT8 is essential for mouse oocyte development by regulating ROS levels. Development (Cambridge), 2017, 144, 2165-2174.	2.5	25

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55	Prion disease is accelerated in mice lacking stress-induced heat shock protein 70 (HSP70). Journal of Biological Chemistry, 2019, 294, 13619-13628.	3.4	23
56	The BRUCEâ€ATR Signaling Axis Is Required for Accurate DNA Replication and Suppression of Liver Cancer Development. Hepatology, 2019, 69, 2608-2622.	7.3	22
57	MOF Suppresses Replication Stress and Contributes to Resolution of Stalled Replication Forks. Molecular and Cellular Biology, 2018, 38, .	2.3	21
58	Detecting ATM-Dependent Chromatin Modification in DNA Damage Response. Methods in Molecular Biology, 2015, 1288, 317-336.	0.9	20
59	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
60	Role of Mammalian Rad9 in Genomic Stability and Ionizing Radiation Response. Cell Cycle, 2006, 5, 1289-1291.	2.6	18
61	Ssb1 and Ssb2 cooperate to regulate mouse hematopoietic stem and progenitor cells by resolving replicative stress. Blood, 2017, 129, 2479-2492.	1.4	18
62	Î²2-spectrin depletion impairs DNA damage repair. Oncotarget, 2016, 7, 33557-33570.	1.8	17
63	A Perspective on Chromosomal Double Strand Break Markers in Mammalian Cells. , 2014, 1, .		17
64	Role of Transposable Elements in Genome Stability: Implications for Health and Disease. International Journal of Molecular Sciences, 2022, 23, 7802.	4.1	15
65	Role of the Exocyst Complex Component Sec6/8 in Genomic Stability. Molecular and Cellular Biology, 2015, 35, 3633-3645.	2.3	13
66	Role of histone acetyltransferases MOF and Tip60 in genome stability. DNA Repair, 2021, 107, 103205.	2.8	12
67	Pluripotent Stem Cells and DNA Damage Response to Ionizing Radiations. Radiation Research, 2016, 186, 17-26.	1.5	11
68	Torin2 Suppresses Ionizing Radiation-Induced DNA Damage Repair. Radiation Research, 2016, 185, 527-538.	1.5	11
69	Role of telomerase in radiocurability (review). Oncology Reports, 2003, 10, 263-70.	2.6	11
70	Neoplastic transformation of mouse C3H10T12 cells following exposure to neutrons does not involve mutation of ras gene as analyzed by SSCP and cycle sequencing. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1996, 357, 237-244.	1.0	10
71	HER2 Confers Resistance to Foretinib Inhibition of MET-Amplified Esophageal Adenocarcinoma Cells. Annals of Thoracic Surgery, 2018, 105, 363-370.	1.3	10
72	The small heat shock protein HSPB1 protects mice from sepsis. Scientific Reports, 2018, 8, 12493.	3.3	10

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73	Esomeprazole enhances the effect of ionizing radiation to improve tumor control. Oncotarget, 2021, 12, 1339-1353.	1.8	10
74	Aurora kinase B dependent phosphorylation of 53BP1 is required for resolving merotelic kinetochore-microtubule attachment errors during mitosis. Oncotarget, 2017, 8, 48671-48687.	1.8	10
75	Caspase-2 regulates S-phase cell cycle events to protect from DNA damage accumulation independent of apoptosis. Oncogene, 2022, 41, 204-219.	5.9	9
76	Role of HSPs and telomerase in radiotherapy. International Journal of Hyperthermia, 2005, 21, 689-694.	2.5	8
77	Unraveling the novel function of the DNA repair enzyme 8-oxoguanine-DNA glycosylase in activating key signaling pathways. Free Radical Biology and Medicine, 2014, 73, 439-440.	2.9	8
78	A multifaceted role for MOF histone modifying factor in genome maintenance. Mechanisms of Ageing and Development, 2017, 161, 177-180.	4.6	8
79	Autism-Associated Vigilin Depletion Impairs DNA Damage Repair. Molecular and Cellular Biology, 2021, 41, e0008221.	2.3	8
80	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
81	Heat-induced SIRT1-mediated H4K16ac deacetylation impairs resection and SMARCAD1 recruitment to double strand breaks. IScience, 2022, 25, 104142.	4.1	8
82	Histone <scp>H</scp>4 lysine 16 acetylated isoform synthesis opens new route to biophysical studies. Proteomics, 2013, 13, 1546-1547.	2.2	6
83	Role of HP1Î² during spermatogenesis and DNA replication. Chromosoma, 2020, 129, 215-226.	2.2	6
84	Nuclear functions of Î²2-Spectrin in genomic stability. Aging, 2016, 8, 3151-3152.	3.1	1
85	Gastric cancer in Jammu and Kashmir, India: A review of genetic perspectives. Journal of Cancer Research and Therapeutics, 2020, .	0.9	1
86	Stress Responses as Master Keys to Epigenomic Changes in Transcriptome and Metabolome for Cancer Etiology and Therapeutics. Molecular and Cellular Biology, 2022, 42, MCB0048321.	2.3	1
87	Detecting the Influence of Cell Cycle Regulatory Proteins on Human Telomeres. , 2004, 241, 329-340.		0
88	USP7 saves RIDDLE for the end. Cell Cycle, 2015, 14, 1999-1999.	2.6	0