

M Prakash Hande

List of Publications by Year in descending order

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162
papers

14,248
citations

31976

53
h-index

20358

116
g-index

172
all docs

172
docs citations

172
times ranked

18548
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytotoxicity and Genotoxicity of Silver Nanoparticles in Human Cells. ACS Nano, 2009, 3, 279-290.	14.6	3,122
2	Telomere Shortening and Tumor Formation by Mouse Cells Lacking Telomerase RNA. Cell, 1997, 91, 25-34.	28.9	1,988
3	Anti-proliferative activity of silver nanoparticles. BMC Cell Biology, 2009, 10, 65.	3.0	523
4	Telomere Length Dynamics and Chromosomal Instability in Cells Derived from Telomerase Null Mice. Journal of Cell Biology, 1999, 144, 589-601.	5.2	305
5	Ku acts in a unique way at the mammalian telomere to prevent end joining. Genes and Development, 2000, 14, 2807-2812.	5.9	294
6	Effects of DNA nonhomologous end-joining factors on telomere length and chromosomal stability in mammalian cells. Current Biology, 2001, 11, 1192-1196.	3.9	260
7	The telomerase reverse transcriptase is limiting and necessary for telomerase function in vivo. Current Biology, 2000, 10, 1459-1462.	3.9	232
8	Health impact and safety of engineered nanomaterials. Chemical Communications, 2011, 47, 7025.	4.1	228
9	Functions of poly(ADP-ribose) polymerase in controlling telomere length and chromosomal stability. Nature Genetics, 1999, 23, 76-80.	21.4	218
10	hTERT Overexpression Alleviates Intracellular ROS Production, Improves Mitochondrial Function, and Inhibits ROS-Mediated Apoptosis in Cancer Cells. Cancer Research, 2011, 71, 266-276.	0.9	206
11	Oncogene-induced telomere dysfunction enforces cellular senescence in human cancer precursor lesions. EMBO Journal, 2012, 31, 2839-2851.	7.8	200
12	Zinc oxide nanoparticles exhibit cytotoxicity and genotoxicity through oxidative stress responses in human lung fibroblasts and <i>Drosophila melanogaster</i> . International Journal of Nanomedicine, 2017, Volume 12, 1621-1637.	6.7	189
13	Effects of an Integrated Yoga Program in Modulating Psychological Stress and Radiation-Induced Genotoxic Stress in Breast Cancer Patients Undergoing Radiotherapy. Integrative Cancer Therapies, 2007, 6, 242-250.	2.0	180
14	Lats2/Kpm is required for embryonic development, proliferation control and genomic integrity. EMBO Journal, 2004, 23, 3677-3688.	7.8	179
15	Involvement of Mammalian Mus81 in Genome Integrity and Tumor Suppression. Science, 2004, 304, 1822-1826.	12.6	178
16	DNA-PKcs is critical for telomere capping. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 15084-15088.	7.1	166
17	DNA damage and p53-mediated growth arrest in human cells treated with platinum nanoparticles. Nanomedicine, 2010, 5, 51-64.	3.3	162
18	Specific Role of Chk1 Phosphorylations in Cell Survival and Checkpoint Activation. Molecular and Cellular Biology, 2007, 27, 2572-2581.	2.3	153

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19	Thymoquinone Induces Telomere Shortening, DNA Damage and Apoptosis in Human Glioblastoma Cells. PLoS ONE, 2010, 5, e12124.	2.5	141
20	Telomere Maintenance in Telomerase-Deficient Mouse Embryonic Stem Cells: Characterization of an Amplified Telomeric DNA. Molecular and Cellular Biology, 2000, 20, 4115-4127.	2.3	129
21	Past Exposure to Densely Ionizing Radiation Leaves a Unique Permanent Signature in the Genome. American Journal of Human Genetics, 2003, 72, 1162-1170.	6.2	125
22	Telomere length regulation in mice is linked to a novel chromosome locus. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 8648-8653.	7.1	123
23	Investigations on the Structural Damage in Human Erythrocytes Exposed to Silver, Gold, and Platinum Nanoparticles. Advanced Functional Materials, 2010, 20, 1233-1242.	14.9	122
24	DNA Strand Break-Sensing Molecule Poly(ADP-Ribose) Polymerase Cooperates with p53 in Telomere Function, Chromosome Stability, and Tumor Suppression. Molecular and Cellular Biology, 2001, 21, 4046-4054.	2.3	121
25	Differential regulation of intracellular factors mediating cell cycle, DNA repair and inflammation following exposure to silver nanoparticles in human cells. Genome Integrity, 2012, 3, 2.	1.0	121
26	Eme1 is involved in DNA damage processing and maintenance of genomic stability in mammalian cells. EMBO Journal, 2003, 22, 6137-6147.	7.8	118
27	Deletion of Mouse Rad9 Causes Abnormal Cellular Responses to DNA Damage, Genomic Instability, and Embryonic Lethality. Molecular and Cellular Biology, 2004, 24, 7235-7248.	2.3	111
28	Derivation efficiency, cell proliferation, freeze-thaw survival, stem-cell properties and differentiation of human Wharton's jelly stem cells. Reproductive BioMedicine Online, 2010, 21, 391-401.	2.4	111
29	Extra-chromosomal telomeric DNA in cells from Atm ^{-/-} mice and patients with ataxia-telangiectasia. Human Molecular Genetics, 2001, 10, 519-528.	2.9	108
30	Characterization of ataxia telangiectasia fibroblasts with extended life-span through telomerase expression. Oncogene, 2001, 20, 278-288.	5.9	92
31	Synergistic role of Ku80 and poly(ADP-ribose) polymerase in suppressing chromosomal aberrations and liver cancer formation. Cancer Research, 2002, 62, 6990-6.	0.9	92
32	c-Jun N-terminal kinase mediates hydrogen peroxide-induced cell death via sustained poly(ADP-ribose) polymerase-1 activation. Cell Death and Differentiation, 2007, 14, 1001-1010.	11.2	90
33	A positive role for c-Abl in Atm and Atr activation in DNA damage response. Cell Death and Differentiation, 2011, 18, 5-15.	11.2	86
34	Telomere length, chromatin structure and chromosome fusigenic potential. Chromosoma, 1997, 106, 413-421.	2.2	85
35	Yeast Nhp6A/B and Mammalian Hmgb1 Facilitate the Maintenance of Genome Stability. Current Biology, 2005, 15, 68-72.	3.9	84
36	Elongated Telomeres in Mice. Genomics, 1999, 56, 221-223.	2.9	81

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37	Physicochemical and toxicological characteristics of urban aerosols during a recent Indonesian biomass burning episode. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2569-2578.	5.3	81
38	Accelerated Telomere Shortening in the Human Inactive X Chromosome. <i>American Journal of Human Genetics</i> , 1999, 65, 1617-1622.	6.2	80
39	Curcumin inhibits telomerase and induces telomere shortening and apoptosis in brain tumour cells. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 1257-1270.	2.6	78
40	RENEB intercomparisons applying the conventional Dicentric Chromosome Assay (DCA). <i>International Journal of Radiation Biology</i> , 2017, 93, 20-29.	1.8	77
41	Genomic Instability, Defective Spermatogenesis, Immunodeficiency, and Cancer in a Mouse Model of the RIDDLE Syndrome. <i>PLoS Genetics</i> , 2011, 7, e1001381.	3.5	73
42	A role for Brca1 in chromosome end maintenance. <i>Human Molecular Genetics</i> , 2006, 15, 831-838.	2.9	70
43	Telomerase-Associated Protein TEP1 Is Not Essential for Telomerase Activity or Telomere Length Maintenance In Vivo. <i>Molecular and Cellular Biology</i> , 2000, 20, 8178-8184.	2.3	69
44	Inactivation of 14-3-3 β , Influences Telomere Behavior and Ionizing Radiation-Induced Chromosomal Instability. <i>Molecular and Cellular Biology</i> , 2000, 20, 7764-7772.	2.3	68
45	Genomic instability of gold nanoparticle treated human lung fibroblast cells. <i>Biomaterials</i> , 2011, 32, 5515-5523.	11.4	68
46	Mechanisms of induction of chromosomal aberrations and their detection by fluorescence in situ hybridization. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1996, 372, 247-258.	1.0	67
47	Ectopic mTERT expression in mouse embryonic stem cells does not affect differentiation but confers resistance to differentiation- and stress-induced p53-dependent apoptosis. <i>Journal of Cell Science</i> , 2005, 118, 819-829.	2.0	67
48	Complex chromosome aberrations persist in individuals many years after occupational exposure to densely ionizing radiation: An mFISH study. <i>Genes Chromosomes and Cancer</i> , 2005, 44, 1-9.	2.8	65
49	Induction and persistence of cytogenetic damage in mouse splenocytes following whole-body X-irradiation analysed by fluorescence in situ hybridization. I. Dicentrics and translocations. <i>International Journal of Radiation Biology</i> , 1996, 69, 437-446.	1.8	64
50	Collaboration of Brca1 and Chk2 in tumorigenesis. <i>Genes and Development</i> , 2004, 18, 1144-1153.	5.9	61
51	Enhanced Genotoxicity of Silver Nanoparticles in DNA Repair Deficient Mammalian Cells. <i>Frontiers in Genetics</i> , 2012, 3, 104.	2.3	61
52	DNA repair factors and telomere-chromosome integrity in mammalian cells. <i>Cytogenetic and Genome Research</i> , 2004, 104, 116-122.	1.1	60
53	Folate Deficiency Induces Dysfunctional Long and Short Telomeres; Both States Are Associated with Hypomethylation and DNA Damage in Human WIL2-NS Cells. <i>Cancer Prevention Research</i> , 2014, 7, 128-138.	1.5	59
54	Ribosomal Protein S27-like, a p53-Inducible Modulator of Cell Fate in Response to Genotoxic Stress. <i>Cancer Research</i> , 2007, 67, 11317-11326.	0.9	56

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55	Cryopreservation of Neurospheres Derived from Human Glioblastoma Multiforme. <i>Stem Cells</i> , 2009, 27, 29-39.	3.2	56
56	Cloning of murine NKG2A, B and C: second family of C-type lectin receptors on murine NK cells. <i>European Journal of Immunology</i> , 1999, 29, 755-761.	2.9	52
57	Induction of telomerase activity by in vivo X-irradiation of mouse splenocytes and its possible role in chromosome healing. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1998, 404, 205-214.	1.0	51
58	Telomere and Telomerase Modulation by the Mammalian Rad9/Rad1/Hus1 DNA-Damage-Checkpoint Complex. <i>Current Biology</i> , 2006, 16, 1551-1558.	3.9	50
59	Biochemical response of diverse organs in adult <i>Danio rerio</i> (zebrafish) exposed to sub-lethal concentrations of microcystin-LR and microcystin-RR: A balneation study. <i>Aquatic Toxicology</i> , 2012, 109, 1-10.	4.0	50
60	Induction and persistence of cytogenetic damage in mouse splenocytes following whole-body X-irradiation analysed by fluorescence in situ hybridization. II. Micronuclei. <i>International Journal of Radiation Biology</i> , 1996, 70, 375-383.	1.8	49
61	Cooperative functions of Chk1 and Chk2 reduce tumour susceptibility in vivo. <i>EMBO Journal</i> , 2010, 29, 3558-3570.	7.8	48
62	Genistein induces growth arrest and suppresses telomerase activity in brain tumor cells. <i>Genes Chromosomes and Cancer</i> , 2012, 51, 961-974.	2.8	48
63	Routine screening mammography: how important is the radiation-risk side of the benefit-risk equation?. <i>International Journal of Radiation Biology</i> , 2002, 78, 1065-1067.	1.8	46
64	Induction of telomerase activity and chromosome aberrations in human tumour cell lines following X-irradiation. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1998, 401, 121-131.	1.0	45
65	Stable Intrachromosomal Biomarkers of Past Exposure to Densely Ionizing Radiation in Several Chromosomes of Exposed Individuals. <i>Radiation Research</i> , 2004, 162, 257-263.	1.5	45
66	Chromosomal instability mechanisms and consequences. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 793, 176-184.	1.7	45
67	Deciphering the structure and function of FcÎµRI/mast cell axis in the regulation of allergy and anaphylaxis: a functional genomics paradigm. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 1917-1929.	5.4	44
68	Folate deficiency is associated with the formation of complex nuclear anomalies in the cytokinesis block micronucleus cytome assay. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 311-323.	2.2	41
69	Short dysfunctional telomeres impair the repair of arsenite induced oxidative damage in mouse cells. <i>Journal of Cellular Physiology</i> , 2008, 214, 796-809.	4.1	40
70	Induction of telomerase activity by UV-irradiation in Chinese hamster cells. <i>Oncogene</i> , 1997, 15, 1747-1752.	5.9	39
71	Plumbagin alters telomere dynamics, induces DNA damage and cell death in human brain tumour cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 793, 86-95.	1.7	39
72	Telomere mediated genomic instability and the clinico pathological parameters in breast cancer. <i>Genes Chromosomes and Cancer</i> , 2008, 47, 1098-1109.	2.8	38

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73	Loss of Brca2 and p53 synergistically promotes genomic instability and deregulation of T-cell apoptosis. <i>Cancer Research</i> , 2002, 62, 6194-204.	0.9	38
74	Targeting DNA-PKcs and telomerase in brain tumour cells. <i>Molecular Cancer</i> , 2014, 13, 232.	19.2	37
75	Lack of Poly(ADP-Ribose) Polymerase-1 Gene Product Enhances Cellular Sensitivity to Arsenite. <i>Cancer Research</i> , 2005, 65, 10977-10983.	0.9	35
76	Biomarkers of Ionizing Radiation Exposure: A Multiparametric Approach. <i>Genome Integrity</i> , 2017, 8, 6.	1.0	34
77	The Difference in LET and Ion Species Dependence for Induction of Initially Measured and Non-rejoined Chromatin Breaks in Normal Human Fibroblasts. <i>Radiation Research</i> , 2008, 170, 163-171.	1.5	33
78	Clinico-Pathological Correlation of β -Catenin and Telomere Dysfunction in Head and Neck Squamous Cell Carcinoma Patients. <i>Journal of Cancer</i> , 2015, 6, 192-202.	2.5	32
79	Distribution pattern of cytoplasmic organelles, spindle integrity, oxidative stress, octamer-binding transcription factor 4 (Oct4) expression and developmental potential of oocytes following multiple superovulation. <i>Reproduction, Fertility and Development</i> , 2016, 28, 2027.	0.4	32
80	Effect of Exposure to Low-Dose Gamma Radiation during Late Organogenesis in the Mouse Fetus. <i>Radiation Research</i> , 1994, 138, 133.	1.5	30
81	Functional Interplay of p53 and Mus81 in DNA Damage Responses and Cancer. <i>Cancer Research</i> , 2007, 67, 8527-8535.	0.9	30
82	Toxicological profile of small airway epithelial cells exposed to gold nanoparticles. <i>Experimental Biology and Medicine</i> , 2013, 238, 1355-1361.	2.4	30
83	Induction and persistence of cytogenetic damage in mouse splenocytes following whole-body X-irradiation analysed by fluorescence in situ hybridization. IV. Dose response. <i>International Journal of Radiation Biology</i> , 1998, 74, 441-448.	1.8	29
84	Tumor cell redox state and mitochondria at the center of the non-canonical activity of telomerase reverse transcriptase. <i>Molecular Aspects of Medicine</i> , 2010, 31, 21-28.	6.4	29
85	TAp73 Is a Downstream Target of p53 in Controlling the Cellular Defense against Stress. <i>Journal of Biological Chemistry</i> , 2007, 282, 29152-29162.	3.4	28
86	UHRF1 is a genome caretaker that facilitates the DNA damage response to β -irradiation. <i>Genome Integrity</i> , 2010, 1, 7.	1.0	28
87	The role of p38 MAPK pathway in p53 compromised state and telomere mediated DNA damage response. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 836, 89-97.	1.7	28
88	Chinese hamster telomeres are comparable in size to mouse telomeres. <i>Cytogenetic and Genome Research</i> , 1999, 85, 196-199.	1.1	27
89	Inhibition of telomerase activity and human telomerase reverse transcriptase gene expression by histone deacetylase inhibitor in human brain cancer cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007, 625, 134-144.	1.0	27
90	Autologous Feeder Cells from Embryoid Body Outgrowth Support the Long-Term Growth of Human Embryonic Stem Cells More Effectively than Those from Direct Differentiation. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 719-733.	2.1	27

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91	Effect of Fetal Exposure to Ultrasound on the Behavior of the Adult Mouse. <i>Radiation Research</i> , 1995, 141, 314.	1.5	25
92	MST-312 Alters Telomere Dynamics, Gene Expression Profiles and Growth in Human Breast Cancer Cells. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2014, 7, 283-298.	1.3	25
93	Massively parallel single-molecule telomere length measurement with digital real-time PCR. <i>Science Advances</i> , 2020, 6, .	10.3	25
94	Progressive loss of epidermal growth factor receptor in a subpopulation of breast cancers: implications in target-directed therapeutics. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 2828-2842.	4.1	24
95	Correlation of cord blood telomere length with birth weight. <i>BMC Research Notes</i> , 2017, 10, 469.	1.4	24
96	Comparative in vitro cytotoxicity assessment of airborne particulate matter emitted from stationary engine fuelled with diesel and waste cooking oil-derived biodiesel. <i>Atmospheric Environment</i> , 2012, 61, 23-29.	4.1	23
97	Effect of in utero exposure to diagnostic ultrasound on the postnatal survival and growth of mouse. <i>Teratology</i> , 1993, 48, 405-411.	1.6	22
98	Oxidative damage induced genotoxic effects in human fibroblasts from Xeroderma Pigmentosum group A patients. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 2583-2595.	2.8	22
99	Hydrogen peroxide induced genomic instability in nucleotide excision repair-deficient lymphoblastoid cells. <i>Genome Integrity</i> , 2010, 1, 16.	1.0	22
100	Induction and persistence of cytogenetic damage in mouse splenocytes following whole-body X-irradiation analysed by fluorescence in situ hybridization. III. Chromosome malsegregation/aneuploidy. <i>Mutagenesis</i> , 1997, 12, 125-131.	2.6	21
101	Effect of "in utero" exposure to low doses of low energy X-rays on the postnatal development of mouse.. <i>Journal of Radiation Research</i> , 1990, 31, 354-360.	1.6	20
102	Effect of Prenatal Exposure to Diagnostic Ultrasound on the Development of Mice. <i>Radiation Research</i> , 1992, 130, 125.	1.5	20
103	Low temperature tolerance of human embryonic stem cells. <i>International Journal of Medical Sciences</i> , 2006, 3, 124-129.	2.5	20
104	Human Embryonic Stem Cells May Display Higher Resistance to Genotoxic Stress as Compared to Primary Explanted Somatic Cells. <i>Stem Cells and Development</i> , 2008, 17, 599-608.	2.1	20
105	Annexin-1 protects MCF7 breast cancer cells against heat-induced growth arrest and DNA damage. <i>Cancer Letters</i> , 2010, 294, 111-117.	7.2	20
106	Evaluation of human embryonic stem cells and their differentiated fibroblastic progenies as cellular models for in vitro genotoxicity screening. <i>Journal of Biotechnology</i> , 2014, 184, 154-168.	3.8	20
107	Teratogenic effects of repeated exposures to X-rays and/or ultrasound in mice. <i>Neurotoxicology and Teratology</i> , 1995, 17, 179-188.	2.4	19
108	Isoform-specific activation of protein kinase c in irradiated human fibroblasts and their bystander cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 125-134.	2.8	19

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109	Telomere-Mediated Chromosomal Instability Triggers TLR4 Induced Inflammation and Death in Mice. PLoS ONE, 2010, 5, e11873.	2.5	19
110	Synergistic Interaction of Rnf8 and p53 in the Protection against Genomic Instability and Tumorigenesis. PLoS Genetics, 2013, 9, e1003259.	3.5	19
111	Cooperation of Blm and Mus81 in development, fertility, genomic integrity and cancer suppression. Oncogene, 2015, 34, 1780-1789.	5.9	19
112	Telomere Biology—Insights into an Intriguing Phenomenon. Cells, 2017, 6, 15.	4.1	19
113	Inactivation of Chk2 and Mus81 Leads to Impaired Lymphocytes Development, Reduced Genomic Instability, and Suppression of Cancer. PLoS Genetics, 2011, 7, e1001385.	3.5	18
114	Plumbagin triggers DNA damage response, telomere dysfunction and genome instability of human breast cancer cells. Biomedicine and Pharmacotherapy, 2016, 82, 256-268.	5.6	18
115	DNA-dependent protein kinase modulates the anti-cancer properties of silver nanoparticles in human cancer cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2017, 824, 32-41.	1.7	18
116	Optimization of cryopreservation of stem cells cultured as neurospheres: comparison between vitrification, slow-cooling and rapid cooling freezing protocols. Cryo-Letters, 2007, 28, 445-60.	0.3	18
117	Mimosine is a potent clastogen in primary and transformed hamster fibroblasts but not in primary or transformed human lymphocytes. Mutagenesis, 1995, 10, 385-391.	2.6	17
118	Combined treatment with cisplatin and the tankyrase inhibitor XAV-939 increases cytotoxicity, abrogates cancer-stem-like cell phenotype and increases chemosensitivity of head-and-neck squamous-cell carcinoma cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 846, 503084.	1.7	17
119	Effect of low dose of 70 kVp X-rays on the intrauterine development of mice. Experientia, 1990, 46, 511-513.	1.2	16
120	Current Cytogenetic Methods for Detecting Exposure and Effects of Mutagens and Carcinogens. Environmental Health Perspectives, 1996, 104, 445.	6.0	16
121	Telomere attrition and genomic instability in xeroderma pigmentosum type-β deficient fibroblasts under oxidative stress. Journal of Cellular and Molecular Medicine, 2010, 14, 403-416.	3.6	16
122	Rad54 and Mus81 cooperation promotes DNA damage repair and restrains chromosome missegregation. Oncogene, 2016, 35, 4836-4845.	5.9	16
123	History and evolution of cytogenetic techniques: Current and future applications in basic and clinical research. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2018, 836, 3-12.	1.7	16
124	Genome-Wide Transcriptome Analysis Reveals Intermittent Fasting-Induced Metabolic Rewiring in the Liver. Dose-Response, 2019, 17, 155932581987678.	1.6	16
125	A role for Mus81 in the repair of chromium-induced DNA damage. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 660, 57-65.	1.0	15
126	Inhibition of poly (ADP-Ribose) polymerase-1 in telomerase deficient mouse embryonic fibroblasts increases arsenite-induced genome instability. Genome Integrity, 2010, 1, 5.	1.0	15

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127	Effect of prenatal ultrasound exposure on adult behavior in mice. <i>Neurotoxicology and Teratology</i> , 1993, 15, 433-438.	2.4	14
128	High glucose alters the DNA methylation pattern of neurodevelopment associated genes in human neural progenitor cells in vitro. <i>Scientific Reports</i> , 2020, 10, 15676.	3.3	14
129	Assessment of genomic instability and proliferation index in cultured lymphocytes of patients with Down syndrome, congenital anomalies and aplastic anaemia. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 836, 98-103.	1.7	13
130	Zika virus alters DNA methylation status of genes involved in Hippo signaling pathway in human neural progenitor cells. <i>Epigenomics</i> , 2019, 11, 1143-1161.	2.1	13
131	Morphology and function of human benign tumors and normal thyroid tissues maintained in severe combined immunodeficient mice. <i>Cancer Letters</i> , 1998, 132, 153-158.	7.2	12
132	Prediction of the Acute or Late Radiation Toxicity Effects in Radiotherapy Patients Using Ex Vivo Induced Biodosimetric Markers: A Review. <i>Journal of Personalized Medicine</i> , 2020, 10, 285.	2.5	12
133	Chromosomal rearrangements involving telomeric DNA sequences in Balb/3T3 cells transfected with the Ha-ras oncogene. <i>Mutagenesis</i> , 2002, 17, 67-72.	2.6	11
134	Effects of rapamycin on the mechanistic target of rapamycin (mTOR) pathway and telomerase in breast cancer cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 836, 103-113.	1.7	11
135	Genomic imbalances in key ion channel genes and telomere shortening in sudden cardiac death victims. <i>Cytogenetic and Genome Research</i> , 2008, 122, 350-355.	1.1	10
136	Differential resistance of human embryonic stem cells and somatic cell types to hydrogen peroxide-induced genotoxicity may be dependent on innate basal intracellular ROS levels. <i>Folia Histochemica Et Cytobiologica</i> , 2015, 53, 169-174.	1.5	10
137	Integrative epigenomic and transcriptomic analyses reveal metabolic switching by intermittent fasting in brain. <i>GeroScience</i> , 2022, 44, 2171-2194.	4.6	10
138	Teratogenic effect of hyperthermia during early organogenesis period in mice. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1993, 13, 145-150.	0.8	9
139	Genome Integrity - a new open access journal. <i>Genome Integrity</i> , 2010, 1, 1.	1.0	8
140	Rad54 is dispensable for the ALT pathway. <i>Genes To Cells</i> , 2006, 11, 1305-1315.	1.2	7
141	Analysis of telomere damage by fluorescence in situ hybridisation on micronuclei in lymphocytes of breast carcinoma patients after radiotherapy. <i>Breast Cancer Research and Treatment</i> , 2007, 107, 25-31.	2.5	7
142	Investigations on the new mechanism of action for acetaldehyde-induced clastogenic effects in human lung fibroblasts. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2021, 861-862, 503303.	1.7	6
143	<i>Trans</i> -dichlorooxovanadium (IV) complex as a novel photoinducible DNA interstrand crosslinker for cancer therapy. <i>Carcinogenesis</i> , 2016, 37, 145-156.	2.8	5
144	A Comparative Study of Protein Kinase C Activation in $\hat{1}^3$ -irradiated Proliferating and Confluent Human Lung Fibroblast Cells. <i>Journal of Radiation Research</i> , 2009, 50, 415-423.	1.6	3

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145	Stable expression of promyelocytic leukaemia (PML) protein in telomerase positive MCF7 cells results in alternative lengthening of telomeres phenotype. <i>Genome Integrity</i> , 2012, 3, 5.	1.0	3
146	Strengthening biological dosimetry in member states of the international atomic energy agency. <i>Genome Integrity</i> , 2016, 7, 1.	1.0	3
147	Association of telomere length with diabetes mellitus and idiopathic dilated cardiomyopathy in a South Indian population: A pilot study. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 874-875, 503439.	1.7	3
148	Effects of dietary interventions on telomere dynamics. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 876-877, 503472.	1.7	3
149	The telomerase reverse transcriptase is limiting and necessary for telomerase function in vivo. <i>Current Biology</i> , 2001, 11, 907.	3.9	2
150	Age-independent telomere shortening and ion-channel defects in SCD. <i>Nature Reviews Cardiology</i> , 2013, 10, 362-362.	13.7	2
151	Health effects of exposure to ionizing radiation. , 2020, , 81-97.		2
152	A Novel Balanced Chromosomal Translocation in an Azoospermic Male: A Case Report. <i>Journal of Reproduction and Infertility</i> , 2021, 22, 133-137.	1.0	2
153	A Child with Partial Trisomy 4 (q26 â€“ qterminal) Resulting from Paternally Inherited Translocation (4:18) Associated with Multiple Congenital Anomalies and Death. <i>Genome Integrity</i> , 2019, 10, 1.	1.0	2
154	Educational dialogue on public perception of nuclear radiation. <i>International Journal of Radiation Biology</i> , 2022, 98, 158-172.	1.8	2
155	Nanoparticles: Investigations on the Structural Damage in Human Erythrocytes Exposed to Silver, Gold, and Platinum Nanoparticles (<i>Adv. Funct. Mater.</i> 8/2010). <i>Advanced Functional Materials</i> , 2010, 20, .	14.9	1
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