

# M Prakash Hande

## List of Publications by Year in descending order

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162  
papers

14,248  
citations

31976

53  
h-index

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116  
g-index

172  
all docs

172  
docs citations

172  
times ranked

18548  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Professor Pathirissery Uma Devi: on the occasion of her 80th birthday. <i>International Journal of Radiation Biology</i> , 2022, 98, 122-123.   | 1.8  | 0         |
| 2  | 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         |
| 3  | Role of Xeroderma pigmentosum D (XPD) protein in genome maintenance in human cells under oxidative stress. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 876-877, 503444.   | 1.7  | 0         |
| 4  | Effects of dietary interventions on telomere dynamics. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 876-877, 503472.   | 1.7  | 3         |
| 5  | Integrative epigenomic and transcriptomic analyses reveal metabolic switching by intermittent fasting in brain. <i>GeroScience</i> , 2022, 44, 2171-2194.   | 4.6  | 10        |
| 6  | Educational dialogue on public perception of nuclear radiation. <i>International Journal of Radiation Biology</i> , 2022, 98, 158-172.  | 1.8  | 2         |
| 7  | 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         |
| 8  | 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         |
| 9  | 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        |
| 10 | Health effects of exposure to ionizing radiation. , 2020, , 81-97.  |      | 2         |
| 11 | Massively parallel single-molecule telomere length measurement with digital real-time PCR. <i>Science Advances</i> , 2020, 6, .   | 10.3 | 25        |
| 12 | 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        |
| 13 | 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        |
| 14 | Genome-Wide Transcriptome Analysis Reveals Intermittent Fasting-Induced Metabolic Rewiring in the Liver. <i>Dose-Response</i> , 2019, 17, 155932581987678.  | 1.6  | 16        |
| 15 | 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. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 846, 503084. | 1.7  | 17        |
| 16 | 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         |
| 17 | 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        |
| 18 | History and evolution of cytogenetic techniques: Current and future applications in basic and clinical research. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 836, 3-12.   | 1.7  | 16        |

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|----|--|-----|-----------|
| 19 | The role of p38 MAPK pathway in p53 compromised state and telomere mediated DNA damage response. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2018, 836, 89-97.   | 1.7 | 28        |
| 20 | Assessment of genomic instability and proliferation index in cultured lymphocytes of patients with Down syndrome, congenital anomalies and aplastic anaemia. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2018, 836, 98-103.                            | 1.7 | 13        |
| 21 | 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        |
| 22 | RENEB intercomparisons applying the conventional Dicentric Chromosome Assay (DCA). International Journal of Radiation Biology, 2017, 93, 20-29.  | 1.8 | 77        |
| 23 | 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       |
| 24 | Telomere Biology—Insights into an Intriguing Phenomenon. Cells, 2017, 6, 15.   | 4.1 | 19        |
| 25 | Correlation of cord blood telomere length with birth weight. BMC Research Notes, 2017, 10, 469.  | 1.4 | 24        |
| 26 | Biomarkers of Ionizing Radiation Exposure: A Multiparametric Approach. Genome Integrity, 2017, 8, 6.   | 1.0 | 34        |
| 27 | 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        |
| 28 | <i>Trans</i> -dichlorooxovanadium (IV) complex as a novel photoinducible DNA interstrand crosslinker for cancer therapy. Carcinogenesis, 2016, 37, 145-156.  | 2.8 | 5         |
| 29 | Rad54 and Mus81 cooperation promotes DNA damage repair and restrains chromosome missegregation. Oncogene, 2016, 35, 4836-4845.   | 5.9 | 16        |
| 30 | Distribution pattern of cytoplasmic organelles, spindle integrity, oxidative stress, octamer-binding transcription factor 4 (Oct4) expression and developmental potential of oocytes following multiple superovulation. Reproduction, Fertility and Development, 2016, 28, 2027. | 0.4 | 32        |
| 31 | Strengthening biological dosimetry in member states of the international atomic energy agency. Genome Integrity, 2016, 7, 1.   | 1.0 | 3         |
| 32 | Clinico-Pathological Correlation of $\beta$ -Catenin and Telomere Dysfunction in Head and Neck Squamous Cell Carcinoma Patients. Journal of Cancer, 2015, 6, 192-202.  | 2.5 | 32        |
| 33 | Plumbagin alters telomere dynamics, induces DNA damage and cell death in human brain tumour cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2015, 793, 86-95.   | 1.7 | 39        |
| 34 | Chromosomal instability—mechanisms and consequences. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2015, 793, 176-184.   | 1.7 | 45        |
| 35 | Cooperation of Blm and Mus81 in development, fertility, genomic integrity and cancer suppression. Oncogene, 2015, 34, 1780-1789.   | 5.9 | 19        |
| 36 | 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. Folia Histochemica Et Cytobiologica, 2015, 53, 169-174.  | 1.5 | 10        |

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|----|---|------|-----------|
| 37 | Targeting DNA-PKcs and telomerase in brain tumour cells. <i>Molecular Cancer</i> , 2014, 13, 232.   | 19.2 | 37        |
| 38 | 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        |
| 39 | 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        |
| 40 | 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        |
| 41 | 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        |
| 42 | Toxicological profile of small airway epithelial cells exposed to gold nanoparticles. <i>Experimental Biology and Medicine</i> , 2013, 238, 1355-1361.  | 2.4  | 30        |
| 43 | 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        |
| 44 | Age-independent telomere shortening and ion-channel defects in SCD. <i>Nature Reviews Cardiology</i> , 2013, 10, 362-362.   | 13.7 | 2         |
| 45 | Synergistic Interaction of Rnf8 and p53 in the Protection against Genomic Instability and Tumorigenesis. <i>PLoS Genetics</i> , 2013, 9, e1003259.  | 3.5  | 19        |
| 46 | Enhanced Genotoxicity of Silver Nanoparticles in DNA Repair Deficient Mammalian Cells. <i>Frontiers in Genetics</i> , 2012, 3, 104.   | 2.3  | 61        |
| 47 | Oncogene-induced telomere dysfunction enforces cellular senescence in human cancer precursor lesions. <i>EMBO Journal</i> , 2012, 31, 2839-2851.  | 7.8  | 200       |
| 48 | Biochemical response of diverse organs in adult Danio rerio (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        |
| 49 | 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        |
| 50 | Differential regulation of intracellular factors mediating cell cycle, DNA repair and inflammation following exposure to silver nanoparticles in human cells. <i>Genome Integrity</i> , 2012, 3, 2.                       | 1.0  | 121       |
| 51 | 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         |
| 52 | 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        |
| 53 | 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        |
| 54 | 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        |

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|----|--|------|-----------|
| 55 | hTERT Overexpression Alleviates Intracellular ROS Production, Improves Mitochondrial Function, and Inhibits ROS-Mediated Apoptosis in Cancer Cells. <i>Cancer Research</i> , 2011, 71, 266-276.                          | 0.9  | 206       |
| 56 | Health impact and safety of engineered nanomaterials. <i>Chemical Communications</i> , 2011, 47, 7025.   | 4.1  | 228       |
| 57 | A positive role for c-Abl in Atm and Atr activation in DNA damage response. <i>Cell Death and Differentiation</i> , 2011, 18, 5-15.  | 11.2 | 86        |
| 58 | Genomic instability of gold nanoparticle treated human lung fibroblast cells. <i>Biomaterials</i> , 2011, 32, 5515-5523.   | 11.4 | 68        |
| 59 | Inactivation of Chk2 and Mus81 Leads to Impaired Lymphocytes Development, Reduced Genomic Instability, and Suppression of Cancer. <i>PLoS Genetics</i> , 2011, 7, e1001385.  | 3.5  | 18        |
| 60 | 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        |
| 61 | Predictive Genomics: A Post-genomic Integrated Approach to Analyse Biological Signatures of Radiation Exposure. <i>Defence Science Journal</i> , 2011, 61, 133-137.  | 0.8  | 0         |
| 62 | Silver Nanomedicine and Cancer. , 2011, , 232-253.   |      | 0         |
| 63 | Telomere attrition and genomic instability in xeroderma pigmentosum typeâ€b deficient fibroblasts under oxidative stress. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 403-416.                         | 3.6  | 16        |
| 64 | Investigations on the Structural Damage in Human Erythrocytes Exposed to Silver, Gold, and Platinum Nanoparticles. <i>Advanced Functional Materials</i> , 2010, 20, 1233-1242.   | 14.9 | 122       |
| 65 | 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         |
| 66 | Genome Integrity - a new open access journal. <i>Genome Integrity</i> , 2010, 1, 1.  | 1.0  | 8         |
| 67 | Hydrogen peroxide induced genomic instability in nucleotide excision repair-deficient lymphoblastoid cells. <i>Genome Integrity</i> , 2010, 1, 16.   | 1.0  | 22        |
| 68 | Inhibition of poly (ADP-Ribose) polymerase-1 in telomerase deficient mouse embryonic fibroblasts increases arsenite-induced genome instability. <i>Genome Integrity</i> , 2010, 1, 5.                                    | 1.0  | 15        |
| 69 | UHRF1 is a genome caretaker that facilitates the DNA damage response to $\hat{3}$ -irradiation. <i>Genome Integrity</i> , 2010, 1, 7.  | 1.0  | 28        |
| 70 | Cooperative functions of Chk1 and Chk2 reduce tumour susceptibility in vivo. <i>EMBO Journal</i> , 2010, 29, 3558-3570.  | 7.8  | 48        |
| 71 | Telomere-Mediated Chromosomal Instability Triggers TLR4 Induced Inflammation and Death in Mice. <i>PLoS ONE</i> , 2010, 5, e11873.   | 2.5  | 19        |
| 72 | Thymoquinone Induces Telomere Shortening, DNA Damage and Apoptosis in Human Glioblastoma Cells. <i>PLoS ONE</i> , 2010, 5, e12124.   | 2.5  | 141       |

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|----|---|------|-----------|
| 73 | 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        |
| 74 | DNA damage and p53-mediated growth arrest in human cells treated with platinum nanoparticles. <i>Nanomedicine</i> , 2010, 5, 51-64.   | 3.3  | 162       |
| 75 | 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        |
| 76 | 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        |
| 77 | Derivation efficiency, cell proliferation, freeze-thaw survival, stem-cell properties and differentiation of human Wharton's jelly stem cells. <i>Reproductive BioMedicine Online</i> , 2010, 21, 391-401.                                | 2.4  | 111       |
| 78 | A Comparative Study of Protein Kinase C Activation in $\beta$ -irradiated Proliferating and Confluent Human Lung Fibroblast Cells. <i>Journal of Radiation Research</i> , 2009, 50, 415-423.  | 1.6  | 3         |
| 79 | A role for Mus81 in the repair of chromium-induced DNA damage. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 660, 57-65.   | 1.0  | 15        |
| 80 | Anti-proliferative activity of silver nanoparticles. <i>BMC Cell Biology</i> , 2009, 10, 65.  | 3.0  | 523       |
| 81 | Cryopreservation of Neurospheres Derived from Human Glioblastoma Multiforme. <i>Stem Cells</i> , 2009, 27, 29-39.   | 3.2  | 56        |
| 82 | Cytotoxicity and Genotoxicity of Silver Nanoparticles in Human Cells. <i>ACS Nano</i> , 2009, 3, 279-290.   | 14.6 | 3,122     |
| 83 | Induction and Persistence of Cytogenetic Damage in Mouse Splenocytes Following Whole-Body X-Irradiation Analysed by Fluorescence In Situ Hybridisation. V. Heterogeneity/Chromosome Specificity. , 2009, , 143-149.                       |      | 1         |
| 84 | 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        |
| 85 | 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        |
| 86 | 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        |
| 87 | 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        |
| 88 | 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        |
| 89 | 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        |
| 90 | Correction: RPS27L Modulates DNA Damage Response. <i>Cancer Research</i> , 2008, 68, 956-956.   | 0.9  | 0         |

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|-----|---|------|-----------|
| 91  | 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        |
| 92  | Specific Role of Chk1 Phosphorylations in Cell Survival and Checkpoint Activation. <i>Molecular and Cellular Biology</i> , 2007, 27, 2572-2581.   | 2.3  | 153       |
| 93  | 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        |
| 94  | Effects of an Integrated Yoga Program in Modulating Psychological Stress and Radiation-Induced Genotoxic Stress in Breast Cancer Patients Undergoing Radiotherapy. <i>Integrative Cancer Therapies</i> , 2007, 6, 242-250.                                      | 2.0  | 180       |
| 95  | Functional Interplay of p53 and Mus81 in DNA Damage Responses and Cancer. <i>Cancer Research</i> , 2007, 67, 8527-8535.   | 0.9  | 30        |
| 96  | 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        |
| 97  | 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        |
| 98  | c-Jun N-terminal kinase mediates hydrogen peroxide-induced cell death via sustained poly(ADP-ribose) polymerase-1 activation. <i>Cell Death and Differentiation</i> , 2007, 14, 1001-1010.  | 11.2 | 90        |
| 99  | 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        |
| 100 | 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         |
| 101 | Optimization of cryopreservation of stem cells cultured as neurospheres: comparison between vitrification, slow-cooling and rapid cooling freezing protocols. <i>Cryo-Letters</i> , 2007, 28, 445-60.   | 0.3  | 18        |
| 102 | Low temperature tolerance of human embryonic stem cells. <i>International Journal of Medical Sciences</i> , 2006, 3, 124-129.   | 2.5  | 20        |
| 103 | Rad54 is dispensable for the ALT pathway. <i>Genes To Cells</i> , 2006, 11, 1305-1315.  | 1.2  | 7         |
| 104 | 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        |
| 105 | A role for Brca1 in chromosome end maintenance. <i>Human Molecular Genetics</i> , 2006, 15, 831-838.  | 2.9  | 70        |
| 106 | Orchestration of Telomeres and DNA Repair Factors in Mammalian Cells. , 2006, , 114-127.  |      | 1         |
| 107 | Yeast Nhp6A/B and Mammalian Hmgb1 Facilitate the Maintenance of Genome Stability. <i>Current Biology</i> , 2005, 15, 68-72.   | 3.9  | 84        |
| 108 | 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        |

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|-----|--|------|-----------|
| 109 | 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        |
| 110 | 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        |
| 111 | Deletion of Mouse Rad9 Causes Abnormal Cellular Responses to DNA Damage, Genomic Instability, and Embryonic Lethality. <i>Molecular and Cellular Biology</i> , 2004, 24, 7235-7248.  | 2.3  | 111       |
| 112 | Collaboration of Brca1 and Chk2 in tumorigenesis. <i>Genes and Development</i> , 2004, 18, 1144-1153.  | 5.9  | 61        |
| 113 | DNA repair factors and telomere-chromosome integrity in mammalian cells. <i>Cytogenetic and Genome Research</i> , 2004, 104, 116-122.  | 1.1  | 60        |
| 114 | Lats2/Kpm is required for embryonic development, proliferation control and genomic integrity. <i>EMBO Journal</i> , 2004, 23, 3677-3688.   | 7.8  | 179       |
| 115 | Involvement of Mammalian Mus81 in Genome Integrity and Tumor Suppression. <i>Science</i> , 2004, 304, 1822-1826.   | 12.6 | 178       |
| 116 | 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        |
| 117 | Eme1 is involved in DNA damage processing and maintenance of genomic stability in mammalian cells. <i>EMBO Journal</i> , 2003, 22, 6137-6147.  | 7.8  | 118       |
| 118 | Past Exposure to Densely Ionizing Radiation Leaves a Unique Permanent Signature in the Genome. <i>American Journal of Human Genetics</i> , 2003, 72, 1162-1170.  | 6.2  | 125       |
| 119 | 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        |
| 120 | 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        |
| 121 | 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        |
| 122 | Synergistic role of Ku80 and poly(ADP-ribose) polymerase in suppressing chromosomal aberrations and liver cancer formation. <i>Cancer Research</i> , 2002, 62, 6990-6.   | 0.9  | 92        |
| 123 | Characterization of ataxia telangiectasia fibroblasts with extended life-span through telomerase expression. <i>Oncogene</i> , 2001, 20, 278-288.  | 5.9  | 92        |
| 124 | The telomerase reverse transcriptase is limiting and necessary for telomerase function in vivo. <i>Current Biology</i> , 2001, 11, 907.  | 3.9  | 2         |
| 125 | Effects of DNA nonhomologous end-joining factors on telomere length and chromosomal stability in mammalian cells. <i>Current Biology</i> , 2001, 11, 1192-1196.  | 3.9  | 260       |
| 126 | DNA Strand Break-Sensing Molecule Poly(ADP-Ribose) Polymerase Cooperates with p53 in Telomere Function, Chromosome Stability, and Tumor Suppression. <i>Molecular and Cellular Biology</i> , 2001, 21, 4046-4054.                  | 2.3  | 121       |



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|-----|---|------|-----------|
| 127 | 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       |
| 128 | Extra-chromosomal telomeric DNA in cells from Atm <sup>-/-</sup> mice and patients with ataxia-telangiectasia. Human Molecular Genetics, 2001, 10, 519-528.   | 2.9  | 108       |
| 129 | Ku acts in a unique way at the mammalian telomere to prevent end joining. Genes and Development, 2000, 14, 2807-2812.   | 5.9  | 294       |
| 130 | The telomerase reverse transcriptase is limiting and necessary for telomerase function in vivo. Current Biology, 2000, 10, 1459-1462.   | 3.9  | 232       |
| 131 | Inactivation of 14-3-3 $\beta$ , Influences Telomere Behavior and Ionizing Radiation-Induced Chromosomal Instability. Molecular and Cellular Biology, 2000, 20, 7764-7772.  | 2.3  | 68        |
| 132 | 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       |
| 133 | Telomerase-Associated Protein TEP1 Is Not Essential for Telomerase Activity or Telomere Length Maintenance In Vivo. Molecular and Cellular Biology, 2000, 20, 8178-8184.  | 2.3  | 69        |
| 134 | Chinese hamster telomeres are comparable in size to mouse telomeres. Cytogenetic and Genome Research, 1999, 85, 196-199.  | 1.1  | 27        |
| 135 | Telomere Length Dynamics and Chromosomal Instability in Cells Derived from Telomerase Null Mice. Journal of Cell Biology, 1999, 144, 589-601.   | 5.2  | 305       |
| 136 | Functions of poly(ADP-ribose) polymerase in controlling telomere length and chromosomal stability. Nature Genetics, 1999, 23, 76-80.  | 21.4 | 218       |
| 137 | Cloning of murine NKG2A, B and C: second family of C-type lectin receptors on murine NK cells. European Journal of Immunology, 1999, 29, 755-761.   | 2.9  | 52        |
| 138 | Accelerated Telomere Shortening in the Human Inactive X Chromosome. American Journal of Human Genetics, 1999, 65, 1617-1622.  | 6.2  | 80        |
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