

Mitchell S Turker

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,101
citations

394286

19
h-index

414303

32
g-index

41
all docs

41
docs citations

41
times ranked

1160
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene silencing in mammalian cells and the spread of DNA methylation. <i>Oncogene</i> , 2002, 21, 5388-5393.	2.6	198
2	The establishment and maintenance of DNA methylation patterns in mouse somatic cells. <i>Seminars in Cancer Biology</i> , 1999, 9, 329-337.	4.3	72
3	Combined Effects of Three High-Energy Charged Particle Beams Important for Space Flight on Brain, Behavioral and Cognitive Endpoints in B6D2F1 Female and Male Mice. <i>Frontiers in Physiology</i> , 2019, 10, 179.	1.3	61
4	Silencing of the DNA Mismatch Repair Gene MLH1 Induced by Hypoxic Stress in a Pathway Dependent on the Histone Demethylase LSD1. <i>Cell Reports</i> , 2014, 8, 501-513.	2.9	60
5	Short- and long-term effects of ⁵⁶ Fe irradiation on cognition and hippocampal DNA methylation and gene expression. <i>BMC Genomics</i> , 2016, 17, 825.	1.2	49
6	Proton irradiation induces persistent and tissue-specific DNA methylation changes in the left ventricle and hippocampus. <i>BMC Genomics</i> , 2016, 17, 273.	1.2	49
7	A cloning assay for 6-thioguanine resistance provides evidence against certain somatic mutational theories of aging. <i>Journal of Cellular Physiology</i> , 1984, 121, 309-315.	2.0	46
8	Aberrant Epigenetic Silencing Is Triggered by a Transient Reduction in Gene Expression. <i>PLoS ONE</i> , 2009, 4, e4832.	1.1	41
9	²⁸ Silicon Irradiation Impairs Contextual Fear Memory in B6D2F1 Mice. <i>Radiation Research</i> , 2015, 183, 708-712.	0.7	38
10	Somatic cell mutations: can they provide a link between aging and cancer?. <i>Mechanisms of Ageing and Development</i> , 2000, 117, 1-19.	2.2	37
11	Bi-directional and shared epigenomic signatures following proton and ⁵⁶ Fe irradiation. <i>Scientific Reports</i> , 2017, 7, 10227.	1.6	36
12	Comparative Analysis of Cell Killing and Autosomal Mutation in Mouse Kidney Epithelium Exposed to 1 GeV/nucleon Iron Ions <i>In Vitro</i> or <i>In Situ</i> . <i>Radiation Research</i> , 2009, 172, 550-557.	0.7	31
13	¹⁶ Oxygen irradiation enhances cued fear memory in B6D2F1 mice. <i>Life Sciences in Space Research</i> , 2015, 7, 61-65.	1.2	30
14	Tissue-specific deletion and discontinuous loss of heterozygosity are signatures for the mutagenic effects of ionizing radiation in solid tissues. <i>Cancer Research</i> , 2002, 62, 1518-23.	0.4	29
15	Detrimental Effects of Helium Ion Irradiation on Cognitive Performance and Cortical Levels of MAP-2 in B6D2F1 Mice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1247.	1.8	23
16	Coronary Microvascular Dysfunction by Myocardial Contrast Echocardiography in Nonelderly Patients Referred for Computed Tomographic Coronary Angiography. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 817-825.	1.2	23
17	Effects of Six Sequential Charged Particle Beams on Behavioral and Cognitive Performance in B6D2F1 Female and Male Mice. <i>Frontiers in Physiology</i> , 2020, 11, 959.	1.3	23
18	High frequency induction of mitotic recombination by ionizing radiation in Mlh1 null mouse cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006, 594, 189-198.	0.4	22

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19	Molecular evidence for the induction of large interstitial deletions on mouse chromosome 8 by ionizing radiation. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1997, 374, 201-208.	0.4	21
20	Autosomal mutation in somatic cells of the mouse. <i>Mutagenesis</i> , 2003, 18, 1-6.	1.0	21
21	Spontaneously immortalized cell lines obtained from adult Atm null mice retain sensitivity to ionizing radiation and exhibit a mutational pattern suggestive of oxidative stress. <i>Oncogene</i> , 2001, 20, 4291-4297.	2.6	20
22	Oxidative Mutagenesis, Mismatch Repair, and Aging. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2005, 2005, re3-re3.	0.9	20
23	Age-related accumulation of autosomal mutations in solid tissues of the mouse is gender and cell type specific. <i>Aging Cell</i> , 2007, 6, 73-86.	3.0	17
24	Comparison of Autosomal Mutations in Mouse Kidney Epithelial Cells Exposed to Iron Ions In Situ or in Culture. <i>Radiation Research</i> , 2009, 172, 558-566.	0.7	17
25	A role for Pms2 in the prevention of tandem CC to TT substitutions induced by ultraviolet radiation and oxidative stress. <i>DNA Repair</i> , 2005, 4, 51-57.	1.3	15
26	A novel class of unstable 6-thioguanine-resistant cells from dog and human kidneys. <i>Cell Biology and Toxicology</i> , 1988, 4, 211-223.	2.4	12
27	Sex- and dose-dependent effects of calcium ion irradiation on behavioral performance of B6D2F1 mice during contextual fear conditioning training. <i>Life Sciences in Space Research</i> , 2016, 9, 56-61.	1.2	12
28	Simulated space radiation-induced mutants in the mouse kidney display widespread genomic change. <i>PLoS ONE</i> , 2017, 12, e0180412.	1.1	12
29	Comparative Analysis of Cell Killing and Autosomal Mutation in Mouse Kidney Epithelium Exposed to 1 GeV Protons In Vitro or In Vivo. <i>Radiation Research</i> , 2013, 179, 511-520.	0.7	11
30	Persistence of Chromatid Aberrations in the Cells of Solid Mouse Tissues Exposed to ¹³⁷ Cs Gamma Radiation. <i>Radiation Research</i> , 2004, 162, 357-364.	0.7	9
31	Marked aneuploidy and loss of multiple chromosomes are common in autosomal mutants isolated from normal mouse kidney epithelium. <i>Genes Chromosomes and Cancer</i> , 2011, 50, 239-249.	1.5	8
32	Induction of the long noncoding RNA NBR2 from the bidirectional BRCA1 promoter under hypoxic conditions. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2017, 796, 13-19.	0.4	8
33	Autosomal Mutations in Mouse Kidney Epithelial Cells Exposed to High-Energy Protons In Vivo or In Culture. <i>Radiation Research</i> , 2013, 179, 521-529.	0.7	7
34	Plasma Lipidomic Patterns in Patients with Symptomatic Coronary Microvascular Dysfunction. <i>Metabolites</i> , 2021, 11, 648.	1.3	5
35	High Frequency Induction of CC to TT Tandem Mutations in DNA Repair-proficient Mammalian Cells. <i>Photochemistry and Photobiology</i> , 2008, 84, 222-227.	1.3	4
36	Autosomal Mutants of Proton-Exposed Kidney Cells Display Frequent Loss of Heterozygosity on Nonselected Chromosomes. <i>Radiation Research</i> , 2014, 181, 452-463.	0.7	4

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37	Accelerated ⁴⁸ Ti Ions Induce Autosomal Mutations in Mouse Kidney Epithelium at Low Dose and Fluence. <i>Radiation Research</i> , 2015, 184, 367-377.	0.7	4
38	Subpopulations of fibroblasts from mouse skeletal muscle defined by clonal variation for 5? nucleotidase expression. <i>Journal of Cellular Physiology</i> , 1985, 122, 171-177.	2.0	3
39	Charged particle mutagenesis at low dose and fluence in mouse splenic T cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 788, 32-40.	0.4	3
40	Rapid Response and Slow Recovery of the H3K4me3 Epigenomic Marker in the Liver after Light-mediated Phase Advances of the Circadian Clock. <i>Journal of Biological Rhythms</i> , 2018, 33, 363-375.	1.4	0