

# Mugimane G Manjanatha

## List of Publications by Year in descending order

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49  
papers

1,175  
citations

394421

19  
h-index

434195

31  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genotoxicity of acrylamide and its metabolite glycidamide administered in drinking water to male and female Big Blue mice. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 6-17.	2.2	98
2	Transgenic Animal Models in Toxicology: Historical Perspectives and Future Outlook. <i>Toxicological Sciences</i> , 2011, 121, 207-233.	3.1	88
3	Genotoxicity Assessment of Nanomaterials: Recommendations on Best Practices, Assays, and Methods. <i>Toxicological Sciences</i> , 2018, 164, 391-416.	3.1	71
4	In vivo genotoxicity of furan in F344 rats at cancer bioassay doses. <i>Toxicology and Applied Pharmacology</i> , 2012, 261, 164-171.	2.8	52
5	Genotoxicity of nanomaterials: Refining strategies and tests for hazard identification. <i>Environmental and Molecular Mutagenesis</i> , 2013, 54, 229-239.	2.2	46
6	Night shift schedule causes circadian dysregulation of DNA repair genes and elevated DNA damage in humans. <i>Journal of Pineal Research</i> , 2021, 70, e12726.	7.4	46
7	Mutagenicity of Acrylamide and Glycidamide in the Testes of Big Blue Mice. <i>Toxicological Sciences</i> , 2010, 117, 72-80.	3.1	41
8	Methyleugenol Genotoxicity in the Fischer 344 Rat Using the Comet Assay and Pathway-Focused Gene Expression Profiling. <i>Toxicological Sciences</i> , 2011, 123, 103-112.	3.1	37
9	Mechanistic Evaluation of Ginkgo biloba Leaf Extract-Induced Genotoxicity in L5178Y Cells. <i>Toxicological Sciences</i> , 2014, 139, 338-349.	3.1	37
10	Flow cytometric detection of <i>PigA</i> mutant red blood cells using an erythroid-specific antibody: Application of the method for evaluating the in vivo genotoxicity of methylphenidate in adolescent rats. <i>Environmental and Molecular Mutagenesis</i> , 2010, 51, 138-145.	2.2	35
11	Acrylamide-induced carcinogenicity in mouse lung involves mutagenicity: <i>cll</i> gene mutations in the lung of big blue mice exposed to acrylamide and glycidamide for up to 4 weeks. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 446-456.	2.2	32
12	Comparison of the types of mutations induced by 7,12-dimethylbenz[a]anthracene in the <i>cll</i> and <i>hprt</i> genes of Big Blue® rats. , 1998, 31, 149-156.		31
13	DNA sequence analysis of <i>hprt</i> mutations in lymphocytes from Sprague-Dawley rats treated with 7,12-dimethylbenz[a]anthracene. , 1996, 28, 5-12.		29
14	The development and validation of EpiComet-Chip, a modified high-throughput comet assay for the assessment of DNA methylation status. <i>Environmental and Molecular Mutagenesis</i> , 2017, 58, 508-521.	2.2	29
15	Gene expression changes associated with xenobiotic metabolism pathways in mice exposed to acrylamide. <i>Environmental and Molecular Mutagenesis</i> , 2008, 49, 741-745.	2.2	27
16	Pharmacokinetics, dose-range, and mutagenicity studies of methylphenidate hydrochloride in B6C3F1 mice. <i>Environmental and Molecular Mutagenesis</i> , 2008, 49, 585-593.	2.2	25
17	The genetic toxicology of methylphenidate hydrochloride in non-human primates. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 673, 59-66.	1.7	23
18	Temporal Changes in K-ras Mutant Fraction in Lung Tissue of Big Blue B6C3F1 Mice Exposed to Ethylene Oxide. <i>Toxicological Sciences</i> , 2013, 136, 26-38.	3.1	22

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19	Genotoxicity of doxorubicin in F344 rats by combining the comet assay, flow cytometric peripheral blood micronucleus test, and pathway-focused gene expression profiling. <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 24-34.	2.2	21
20	Induction of lacI mutations in Big Blue rats treated with tamoxifen and $\pm$ -hydroxytamoxifen. <i>Cancer Letters</i> , 2002, 176, 37-45.	7.2	20
21	Differential effects of triclosan on the activation of mouse and human peroxisome proliferator-activated receptor alpha. <i>Toxicology Letters</i> , 2014, 231, 17-28.	0.8	20
22	Dietary effects of soy isoflavones daidzein and genistein on 7,12-dimethylbenz[a]anthracene-induced mammary mutagenesis and carcinogenesis in ovariectomized Big Blue transgenic rats. <i>Carcinogenesis</i> , 2006, 27, 1970-1979.	2.8	19
23	Molecular analysis of DNA adducts and hprt mutations produced by 6-nitrochrysene in Chinese hamster ovary cells. <i>Carcinogenesis</i> , 1993, 14, 1863-1870.	2.8	18
24	Mutations induced by alpha-hydroxytamoxifen in the lacI and cII genes of Big Blue transgenic rats. <i>Carcinogenesis</i> , 2002, 23, 1751-1758.	2.8	18
25	Occurrence of H-ras codon 61 CAA to AAA mutation during mouse liver tumor progression. <i>Carcinogenesis</i> , 2002, 23, 943-948.	2.8	17
26	Development and Application of TK6-derived Cells Expressing Human Cytochrome P450s for Genotoxicity Testing. <i>Toxicological Sciences</i> , 2020, 175, 251-265.	3.1	17
27	Performance of high-throughput CometChip assay using primary human hepatocytes: a comparison of DNA damage responses with in vitro human hepatoma cell lines. <i>Archives of Toxicology</i> , 2020, 94, 2207-2224.	4.2	16
28	Metabolism of daidzein by fecal bacteria in rats. <i>Comparative Medicine</i> , 2007, 57, 282-6.	1.0	16
29	Mutant frequency and molecular analysis of in vivo lacI mutations in the bone marrow of Big Blue $\frac{1}{2}$ rats treated with 7,12-dimethylbenz[a]anthracene. <i>Environmental and Molecular Mutagenesis</i> , 2000, 36, 235-242.	2.2	15
30	In vivo genotoxicity of estragole in male F344 rats. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 356-365.	2.2	15
31	Evaluation of pyrrolizidine alkaloid-induced genotoxicity using metabolically competent TK6 cell lines. <i>Food and Chemical Toxicology</i> , 2020, 145, 111662.	3.6	15
32	Tissue-specific microRNA responses in rats treated with mutagenic and carcinogenic doses of aristolochic acid. <i>Mutagenesis</i> , 2014, 29, 357-365.	2.6	13
33	Gene- and tissue-specificity of mutation in Big Blue $\text{\textcircled{R}}$ rats treated with the hepatocarcinogen N-hydroxy-2-acetylaminofluorene. <i>Environmental and Molecular Mutagenesis</i> , 2001, 37, 203-214.	2.2	12
34	Effects of Daidzein, Genistein, and 17 $\beta$ -Estradiol on 7,12-Dimethylbenz[a]anthracene-Induced Mutagenicity and Uterine Dysplasia in Ovariectomized Rats. <i>Nutrition and Cancer</i> , 2005, 53, 82-90.	2.0	12
35	Evaluation of cII mutations in lung of male Big Blue mice exposed by inhalation to vanadium pentoxide for up to 8 weeks. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 789-790, 46-52.	1.7	11
36	&lt;em&gt;In Vivo&lt;/em&gt; Alkaline Comet Assay and Enzyme-modified Alkaline Comet Assay for Measuring DNA Strand Breaks and Oxidative DNA Damage in Rat Liver. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	11

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37	Dose and temporal evaluation of ethylene oxide-induced mutagenicity in the lungs of male big blue mice following inhalation exposure to carcinogenic concentrations. <i>Environmental and Molecular Mutagenesis</i> , 2017, 58, 122-134.	2.2	10
38	In Vivo cl, gpt, and Spi <sup>+</sup> Gene Mutation Assays in Transgenic Mice and Rats. <i>Methods in Molecular Biology</i> , 2013, 1044, 97-119.	0.9	9
39	Evaluation of <i>hprt</i> gene mutation in the brains of Big Blue mice exposed to acrylamide and glycidamide in drinking water. <i>Journal of Toxicological Sciences</i> , 2016, 41, 719-730.	1.5	8
40	Sex-specific dose-response analysis of genotoxicity in cyproterone acetate-treated F344 rats. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 774, 1-7.	1.7	7
41	Silicon Dioxide Impedes Antiviral Response and Causes Genotoxic Insult During Calicivirus Replication. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 7720-7730.	0.9	7
42	Titanium Dioxide Nanoparticles Evoke Proinflammatory Response during Murine Norovirus Infection Despite Having Minimal Effects on Virus Replication. <i>International Journal of Nanotechnology in Medicine &amp; Engineering</i> , 2016, 1, 63-73.	0.1	6
43	17 $\beta$ -estradiol and not genistein modulates lacI mutant frequency and types of mutation induced in the heart of ovariectomized big blue rats treated with 7, 12-dimethylbenz[a]anthracene. <i>Environmental and Molecular Mutagenesis</i> , 2005, 45, 70-79.	2.2	5
44	Evaluation of mutagenic mode of action in Big Blue mice fed methylphenidate for 24 weeks. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 680, 43-48.	1.7	5
45	Appropriate in vivo follow-up assays to an in vitro bacterial reverse mutation (Ames) test positive investigational drug candidate (active pharmaceutical ingredient), drug-related metabolite, or drug-related impurity. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2021, 868-869, 503386.	1.7	5
46	Mechanistic Evaluation of Black Cohosh Extract-Induced Genotoxicity in Human Cells. <i>Toxicological Sciences</i> , 2021, 182, 96-106.	3.1	4
47	Endogenous estrogen status, but not genistein supplementation, modulates 7,12-dimethylbenz[a]anthracene-induced mutation in the liver cl gene of transgenic big blue rats. <i>Environmental and Molecular Mutagenesis</i> , 2005, 45, 409-418.	2.2	3
48	Development and validation of a new transgenic hairless albino mouse as a mutational model for potential assessment of photocarcinogenicity. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 791, 42-52.	1.7	0
49	Actein contributes to black cohosh extract-induced genotoxicity in human TK6 cells. <i>Journal of Applied Toxicology</i> , 2022, , .	2.8	0