

John A Heddle

List of Publications by Year in descending order

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73
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4,407
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230014

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64
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docs citations

74
times ranked

2098
citing authors

#	ARTICLE	IF	CITATIONS
1	Reflections on the development of micronucleus assays. <i>Mutagenesis</i> , 2011, 26, 3-10.	1.0	57
2	Unifying concept of DNA repair: The polymerase scanning hypothesis. <i>Environmental and Molecular Mutagenesis</i> , 2005, 45, 143-149.	0.9	4
3	Spontaneous and induced chromosomal damage and mutations in Bloom Syndrome mice. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 554, 131-137.	0.4	5
4	Quiescent murine cells lack global genomic repair but are proficient in transcription-coupled repair. <i>DNA Repair</i> , 2004, 3, 711-717.	1.3	25
5	The potent colon carcinogen, 1,2-dimethylhydrazine induces mutations primarily in the colon. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004, 564, 1-7.	0.9	61
6	Treatment and sampling protocols for transgenic mutation assays. <i>Environmental and Molecular Mutagenesis</i> , 2003, 41, 1-6.	0.9	46
7	In vivo transgenic mutation assays. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003, 540, 141-151.	0.9	135
8	Elevated mutagenesis and decreased DNA repair at a transgene are associated with proliferation but not apoptosis in p53-deficient cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12853-12858.	3.3	8
9	Response of the β -galactosidase transgene to acute and chronic ENU exposure: implications for protocol design. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 518, 113-121.	0.9	2
10	Further characterization and validation of β -galactosidase transgenic mice for quantifying somatic mutations in vivo. <i>Environmental and Molecular Mutagenesis</i> , 2001, 37, 297-303.	0.9	25
11	In vivo transgenic mutation assays. , 2000, 35, 253-259.		108
12	Differential mutation of transgenic and endogenous loci in vivo. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2000, 454, 1-10.	0.4	25
13	ENU induces mutations in the heart of lacZ transgenic mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000, 469, 23-34.	0.9	11
14	Dietary restriction during murine development provides protection against MNU-induced mutations. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000, 470, 189-200.	0.9	20
15	Mutant manifestation: the time factor in somatic mutagenesis. <i>Mutagenesis</i> , 1999, 14, 1-3.	1.0	30
16	Somatic mutation in the mammary gland: influence of time and estrus. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999, 427, 11-19.	0.4	17
17	The relationship between mutant frequency and time in vivo: simple predictions for any tissue, cell type, or mutagen. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999, 425, 179-183.	0.4	17
18	Thecll locus in the Muta?Mouse System. <i>Environmental and Molecular Mutagenesis</i> , 1999, 34, 201-207.	0.9	58

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19	Effects of extended chronic exposures on endogenous and transgenic loci: Implications for low-dose extrapolations. , 1999, 34, 208-215.		14
20	The cll locus in the MutaMouse System. Environmental and Molecular Mutagenesis, 1999, 34, 201-207.	0.9	19
21	The accumulation of chromosome aberrations and Dlb-1 mutations in mice with highly fractionated exposure to gamma radiation. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1998, 400, 321-335.	0.4	30
22	The use of transgenic animals in research. , 1998, 32, 110-114.		5
23	The Role of Proliferation in the Origin of Mutations in Mammalian Cells. Drug Metabolism Reviews, 1998, 30, 327-338.	1.5	10
24	Mutagenicity of high fat diets in the colon and small intestine of transgenic mice. Mutagenesis, 1996, 11, 43-48.	1.0	21
25	Risk estimation from somatic mutation assays. Mutation Research - Reviews in Genetic Toxicology, 1996, 365, 107-117.	3.0	17
26	The relationships among stem cells, crypts, and villi in the small intestine of mice as determined by mutation tagging. , 1996, 207, 420-428.		26
27	System issues: A test for neutrality of mutations of the lacZ transgene. , 1996, 28, 313-316.		44
28	System issues: Why do stem cells exist?. , 1996, 28, 334-341.		22
29	Intestinal mutagenicity of two carcinogenic food mutagens in transgenic mice: 2-amino-1-methyl-6-phenylimidazo[4, 5-b]pyridine and amino(±)carboline. Carcinogenesis, 1996, 17, 2259-2265.	1.3	71
30	The relationships among stem cells, crypts, and villi in the small intestine of mice as determined by mutation tagging. , 1996, 207, 420.		1
31	An assay for loss of heterozygosity in vivo at the Dlb-1 locus. Mutagenesis, 1995, 10, 381-384.	1.0	5
32	The transmission rate of the lacI transgene from the big blue mouse. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1995, 348, 63-66.	1.2	7
33	The induction of dominant somatic mutations at the Dlb-1 locus. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1995, 346, 115-119.	1.2	7
34	Treatment protocols for transgenic mutation assays in vivo. Mutagenesis, 1995, 10, 467-470.	1.0	46
35	New Molecular Endpoints and Methods for Routine Toxicity Testing. Toxicological Sciences, 1995, 26, 156-173.	1.4	1
36	Revelling in cytogenetics. Environmental and Molecular Mutagenesis, 1994, 23, 35-38.	0.9	5

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37	The accumulation and persistence of somatic mutations in vivo. <i>Mutagenesis</i> , 1994, 9, 187-191.	1.0	43
38	Mutagenicity of methyl methanesulfonate (MMS) in vivo at the Dlb-1 native locus and a lacI transgene. <i>Environmental and Molecular Mutagenesis</i> , 1993, 22, 293-296.	0.9	26
39	Optimization of the concurrent assay for gene mutations and chromosomal aberrations in vivo: Expression time in rats. <i>Environmental and Molecular Mutagenesis</i> , 1992, 20, 165-171.	0.9	4
40	Chemical induction of somatic gene mutations and chromosomal aberrations in lung fibroblasts of rats. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1991, 263, 257-262.	1.2	23
41	Implications for genetic toxicology of the chromosomal breakage syndromes. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1991, 247, 221-229.	0.4	10
42	The in vivo micronucleus assay in mammalian bone marrow and peripheral blood. A report of the U.S. Environmental Protection Agency Gene-Tox Program. <i>Mutation Research - Reviews in Genetic Toxicology</i> , 1990, 239, 29-80.	3.0	396
43	On the differential responsiveness of males and females in the micronucleus assay. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1990, 234, 199-204.	0.4	9
44	Concurrent detection of gene mutations and chromosomal aberrations induced in vivo in somatic cells. <i>Mutagenesis</i> , 1990, 5, 179-184.	1.0	31
45	Prediction of chemical carcinogenicity from in vitro genetic toxicity. <i>Mutagenesis</i> , 1988, 3, 287-291.	1.0	20
46	Guidelines for the conduct of micronucleus assays in mammalian bone marrow erythrocytes. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1987, 189, 103-112.	1.2	303
47	Micronucleus formation induced in rat liver and esophagus by nitrosamines. <i>Cancer Letters</i> , 1987, 35, 313-320.	3.2	8
48	Radiation sensitivity of fibroblasts of bilateral retinoblastoma patients as determined by micronucleus induction in vitro. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1985, 152, 31-38.	0.4	11
49	The frequency and distribution of apoptosis induced by three non-carcinogenic agents in mouse colonic crypts. <i>Cancer Letters</i> , 1984, 23, 307-311.	3.2	28
50	Sensitivity of bloom syndrome fibroblasts to mitomycin C. <i>Mutation Research - DNA Repair Reports</i> , 1984, 131, 223-230.	1.9	20
51	Repair of 8-methoxypsoralen monoadducts in mouse lymphoma cells. <i>Mutation Research - DNA Repair Reports</i> , 1984, 132, 73-78.	1.9	2
52	THE BONE MARROW MICRONUCLEUS TEST. , 1984, , 441-457.		46
53	The induction of micronuclei as a measure of genotoxicity. <i>Mutation Research - Reviews in Genetic Toxicology</i> , 1983, 123, 61-118.	3.0	643
54	Caffeic acid as an inhibitor of DMBA-induced chromosomal breakage in mice assessed by bone-marrow micronucleus test. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1983, 124, 247-253.	1.2	24

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55	SITE SPECIFICITY IN THE INDUCTION OF NUCLEAR ANOMALIES BY CARCINOGENS. <i>Annals of the New York Academy of Sciences</i> , 1983, 407, 479-482.	1.8	8
56	The Micronucleus Assay. II. In Vitro. <i>Topics in Environmental Physiology and Medicine</i> , 1981, , 250-254.	0.2	27
57	Studies on the ultraviolet light sensitivity of Bloom's syndrome fibroblasts. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1980, 69, 357-368.	0.4	47
58	Untransformed xeroderma pigmentosum cells are not hypersensitive to sister-chromatid exchange production by ethyl methanesulphonate " implications for the use of transformed cell lines and for the mechanism by which SCE arise. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1980, 72, 119-125.	0.4	28
59	The effect of superoxide dismutase, catalase and l-cysteine on spontaneous and on mitomycin C induced chromosomal breakage in Fanconi's anemia and normal fibroblasts as measured by the micronucleus method. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1980, 78, 59-66.	1.2	45
60	Simultaneous detection of chromosomal aberrations and sister-chromatid exchanges. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1980, 78, 253-260.	1.2	37
61	THE MUTAGENIC ACTIVITY OF 61 AGENTS AS DETERMINED BY THE MICRONUCLEUS, <i>SALMONELLA</i>, AND SPERM ABNORMALITY ASSAYS. <i>Genome</i> , 1979, 21, 319-333.	0.7	271
62	The DNA content of micronuclei induced in mouse bone marrow by \hat{I}^3 -irradiation: evidence that micronuclei arise from acentric chromosomal fragments. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1977, 44, 63-69.	0.4	220
63	A true microculture technique for human lymphocytes. <i>Human Genetics</i> , 1977, 35, 197-200.	1.8	12
64	The production of micronuclei from chromosome aberrations in irradiated cultures of human lymphocytes. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1976, 41, 321-331.	0.4	703
65	Mutation rate, genome size and their relation to the rec concept. <i>Nature</i> , 1975, 258, 359-361.	13.7	31
66	Rapid Screening of Radioprotective Drugs in Vivo. <i>Radiation Research</i> , 1975, 61, 350.	0.7	17
67	The fate of chromosome aberrations. <i>Journal of Theoretical Biology</i> , 1973, 38, 289-304.	0.8	149
68	On the formation of chromosomal aberrations. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1970, 9, 117-126.	0.4	47
69	Influence of false twins on the ratios of twin and single sister chromatid exchanges. <i>Journal of Theoretical Biology</i> , 1969, 22, 151-162.	0.8	20
70	Changes in Chromosome Structure induced by Radiations: a Test of the Two Chief Hypotheses. <i>Nature</i> , 1969, 221, 1158-1160.	13.7	28
71	The predicted ratios of single to twin sister chromatid exchanges. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1968, 6, 57-65.	0.4	14
72	Estimation of the Rejoining Distance for Chromosome Exchanges Induced in <i>Drosophila</i> Sperm by Combined Doses of X-rays and Neutrons. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , 1966, 10, 207-210.	1.0	6

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73	RANDOMNESS IN THE FORMATION OF RADIATION-INDUCED CHROMOSOME ABERRATIONS. <i>Genetics</i> , 1965, 52, 1329-1334.	1.2	39