

John A Heddle

List of Publications by Year in descending order

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73
papers

4,407
citations

201658

27
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110368

64
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all docs

74
docs citations

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times ranked

1933
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.0	703
2	The induction of micronuclei as a measure of genotoxicity. <i>Mutation Research - Reviews in Genetic Toxicology</i> , 1983, 123, 61-118.	2.9	643
3	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.	2.9	396
4	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
5	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
6	The DNA content of micronuclei induced in mouse bone marrow by $\hat{\gamma}$ -irradiation: evidence that micronuclei arise from acentric chromosomal fragments. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1977, 44, 63-69.	1.0	220
7	The fate of chromosome aberrations. <i>Journal of Theoretical Biology</i> , 1973, 38, 289-304.	1.7	149
8	In vivo transgenic mutation assays. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003, 540, 141-151.	1.7	135
9	In vivo transgenic mutation assays. , 2000, 35, 253-259.		108
10	Intestinal mutagenicity of two carcinogenic food mutagens in transgenic mice: 2-amino-1-methyl-6-phenylimidazo[4, 5-b]pyridine and amino($\hat{\pm}$)carboline. <i>Carcinogenesis</i> , 1996, 17, 2259-2265.	2.8	71
11	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.	1.7	61
12	Thecll locus in the Muta?Mouse System. <i>Environmental and Molecular Mutagenesis</i> , 1999, 34, 201-207.	2.2	58
13	Reflections on the development of micronucleus assays. <i>Mutagenesis</i> , 2011, 26, 3-10.	2.6	57
14	On the formation of chromosomal aberrations. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1970, 9, 117-126.	1.0	47
15	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.	1.0	47
16	Treatment protocols for transgenic mutation assays in vivo. <i>Mutagenesis</i> , 1995, 10, 467-470.	2.6	46
17	Treatment and sampling protocols for transgenic mutation assays. <i>Environmental and Molecular Mutagenesis</i> , 2003, 41, 1-6.	2.2	46
18	THE BONE MARROW MICRONUCLEUS TEST. , 1984, , 441-457.		46

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19	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. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1980, 78, 59-66.	1.2	45
20	System issues: A test for neutrality of mutations of the lacZ transgene. , 1996, 28, 313-316.		44
21	The accumulation and persistence of somatic mutations in vivo. Mutagenesis, 1994, 9, 187-191.	2.6	43
22	RANDOMNESS IN THE FORMATION OF RADIATION-INDUCED CHROMOSOME ABERRATIONS. Genetics, 1965, 52, 1329-1334.	2.9	39
23	Simultaneous detection of chromosomal aberrations and sister-chromatid exchanges. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1980, 78, 253-260.	1.2	37
24	Mutation rate, genome size and their relation to the rec concept. Nature, 1975, 258, 359-361.	27.8	31
25	Concurrent detection of gene mutations and chromosomal aberrations induced in vivo in somatic cells. Mutagenesis, 1990, 5, 179-184.	2.6	31
26	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.	1.0	30
27	Mutant manifestation: the time factor in somatic mutagenesis. Mutagenesis, 1999, 14, 1-3.	2.6	30
28	Changes in Chromosome Structure induced by Radiations: a Test of the Two Chief Hypotheses. Nature, 1969, 221, 1158-1160.	27.8	28
29	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. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1980, 72, 119-125.	1.0	28
30	The frequency and distribution of apoptosis induced by three non-carcinogenic agents in mouse colonic crypts. Cancer Letters, 1984, 23, 307-311.	7.2	28
31	The Micronucleus Assay. II. In Vitro. Topics in Environmental Physiology and Medicine, 1981, , 250-254.	0.2	27
32	Mutagenicity of methyl methanesulfonate (MMS) in vivo at the Dlb-1 native locus and a lacI transgene. Environmental and Molecular Mutagenesis, 1993, 22, 293-296.	2.2	26
33	The relationships among stem cells, crypts, and villi in the small intestine of mice as determined by mutation tagging. Developmental Dynamics, 1996, 207, 420-428.	1.8	26
34	Differential mutation of transgenic and endogenous loci in vivo. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2000, 454, 1-10.	1.0	25
35	Further characterization and validation of gpt delta transgenic mice for quantifying somatic mutations in vivo. Environmental and Molecular Mutagenesis, 2001, 37, 297-303.	2.2	25
36	Quiescent murine cells lack global genomic repair but are proficient in transcription-coupled repair. DNA Repair, 2004, 3, 711-717.	2.8	25

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37	Caffeic acid as an inhibitor of DMBA-induced chromosomal breakage in mice assessed by bone-marrow micronucleus test. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1983, 124, 247-253.	1.2	24
38	Chemical induction of somatic gene mutations and chromosomal aberrations in lung fibroblasts of rats. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1991, 263, 257-262.	1.1	23
39	System issues: Why do stem cells exist?. , 1996, 28, 334-341.		22
40	Mutagenicity of high fat diets in the colon and small intestine of transgenic mice. Mutagenesis, 1996, 11, 43-48.	2.6	21
41	Influence of false twins on the ratios of twin and single sister chromatid exchanges. Journal of Theoretical Biology, 1969, 22, 151-162.	1.7	20
42	Sensitivity of bloom syndrome fibroblasts to mitomycin C. Mutation Research - DNA Repair Reports, 1984, 131, 223-230.	1.8	20
43	Prediction of chemical carcinogenicity from in vitro genetic toxicity. Mutagenesis, 1988, 3, 287-291.	2.6	20
44	Dietary restriction during murine development provides protection against MNU-induced mutations. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 470, 189-200.	1.7	20
45	The cII locus in the MutaMouse System. Environmental and Molecular Mutagenesis, 1999, 34, 201-207.	2.2	19
46	Rapid Screening of Radioprotective Drugs in Vivo. Radiation Research, 1975, 61, 350.	1.5	17
47	Risk estimation from somatic mutation assays. Mutation Research - Reviews in Genetic Toxicology, 1996, 365, 107-117.	2.9	17
48	Somatic mutation in the mammary gland: influence of time and estrus. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1999, 427, 11-19.	1.0	17
49	The relationship between mutant frequency and time in vivo: simple predictions for any tissue, cell type, or mutagen. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1999, 425, 179-183.	1.0	17
50	The predicted ratios of single to twin sister chromatid exchanges. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1968, 6, 57-65.	1.0	14
51	Effects of extended chronic exposures on endogenous and transgenic loci: Implications for low-dose extrapolations. , 1999, 34, 208-215.		14
52	A true microculture technique for human lymphocytes. Human Genetics, 1977, 35, 197-200.	3.8	12
53	Radiation sensitivity of fibroblasts of bilateral retinoblastoma patients as determined by micronucleus induction in vitro. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1985, 152, 31-38.	1.0	11
54	ENU induces mutations in the heart of lacZ transgenic mice. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 469, 23-34.	1.7	11

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55	Implications for genetic toxicology of the chromosomal breakage syndromes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1991, 247, 221-229.	1.0	10
56	The Role of Proliferation in the Origin of Mutations in Mammalian Cells. Drug Metabolism Reviews, 1998, 30, 327-338.	3.6	10
57	On the differential responsiveness of males and females in the micronucleus assay. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1990, 234, 199-204.	0.4	9
58	SITE SPECIFICITY IN THE INDUCTION OF NUCLEAR ANOMALIES BY CARCINOGENS. Annals of the New York Academy of Sciences, 1983, 407, 479-482.	3.8	8
59	Micronucleus formation induced in rat liver and esophagus by nitrosamines. Cancer Letters, 1987, 35, 313-320.	7.2	8
60	Elevated mutagenesis and decreased DNA repair at a transgene are associated with proliferation but not apoptosis in p53-deficient cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12853-12858.	7.1	8
61	The transmission rate of the lacI transgene from the big blue mouse. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1995, 348, 63-66.	1.1	7
62	The induction of dominant somatic mutations at the Dlb-1 locus. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1995, 346, 115-119.	1.1	7
63	Estimation of the Rejoining Distance for Chromosome Exchanges Induced in Drosophila Sperm by Combined Doses of X-rays and Neutrons. International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine, 1966, 10, 207-210.	1.0	6
64	Revelling in cytogenetics. Environmental and Molecular Mutagenesis, 1994, 23, 35-38.	2.2	5
65	An assay for loss of heterozygosity in vivo at the Dlb-1 locus. Mutagenesis, 1995, 10, 381-384.	2.6	5
66	The use of transgenic animals in research. , 1998, 32, 110-114.		5
67	Spontaneous and induced chromosomal damage and mutations in Bloom Syndrome mice. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2004, 554, 131-137.	1.0	5
68	Optimization of the concurrent assay for gene mutations and chromosomal aberrations in vivo: Expression time in rats. Environmental and Molecular Mutagenesis, 1992, 20, 165-171.	2.2	4
69	Unifying concept of DNA repair: The polymerase scanning hypothesis. Environmental and Molecular Mutagenesis, 2005, 45, 143-149.	2.2	4
70	Repair of 8-methoxypsoralen monoadducts in mouse lymphoma cells. Mutation Research - DNA Repair Reports, 1984, 132, 73-78.	1.8	2
71	Response of the hprt ⁺ transgene to acute and chronic ENU exposure: implications for protocol design. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 518, 113-121.	1.7	2
72	New Molecular Endpoints and Methods for Routine Toxicity Testing. Toxicological Sciences, 1995, 26, 156-173.	3.1	1

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73	The relationships among stem cells, crypts, and villi in the small intestine of mice as determined by mutation tagging. , 1996, 207, 420.		1