Antonella Russo

List of Publications by Year
in descending order

64	1,533	331670 21	345221 36
papers	citations	h-index	g-index

64	64	64	1535
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In vivo rodent erythrocyte micronucleus assay. II. Some aspects of protocol design including repeated treatments, integration with toxicity testing, and automated scoring. Environmental and Molecular Mutagenesis, 2000, 35, 234-252.	2.2	228
2	In vivo erythrocyte micronucleus assay. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 627, 10-30.	1.7	105
3	Replication dynamics at common fragile site FRA6E. Chromosoma, 2010, 119, 575-587.	2.2	62
4	Nondisjunction induced in mouse spermatogenesis by chloral hydrate, a metabolite of trichloroethylene. Environmental Mutagenesis, 1984, 6, 695-703.	1.4	58
5	Transcriptional deregulation and a missense mutation define ANKRD1 as a candidate gene for total anomalous pulmonary venous return. Human Mutation, 2008, 29, 468-474.	2.5	52
6	Separase prevents genomic instability by controlling replication fork speed. Nucleic Acids Research, 2018, 46, 267-278.	14.5	48
7	â€œModeled Microgravityâ€•Affects Cell Response to Ionizing Radiation and Increases Genomic Damage. Radiation Research, 2005, 163, 191-199.	1.5	47
8	Segregation analysis of 1885 DMD families: significant departure from the expected proportion of sporadic cases. Human Genetics, 1990, 84, 522-6.	3.8	46
9	Meiotic arrest and aneuploidy induced by vinblastine in mouse oocytes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1988, 202, 215-221.	1.0	41
10	Genetic effects of 1,3-butadiene and associated risk for heritable damage. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1998, 397, 93-115.	1.0	37
11	In vivo cytogenetics: mammalian germ cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2000, 455, 167-189.	1.0	37
12	Molecular cytogenetics of the micronucleus: Still surprising. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2018, 836, 36-40.	1.7	35
13	Surnames in ferrara: distribution, isonymy and levels of inbreeding. Annals of Human Biology, 1987, 14, 415-423.	1.0	31
14	Further evidence for the aneuploidogenic properties of chelating agents: Induction of micronuclei in mouse male germ cells by EDTA. Environmental and Molecular Mutagenesis, 1992, 19, 125-131.	2.2	31
15	The centromere as a target for the induction of chromosome damage in resting and proliferating mammalian cells: assessment of mitomycin C-induced genetic damage at kinetochores and centromeres by a micronucleus test in mouse splenocytes. Mutagenesis, 1996, 11, 133-138.	2.6	31
16	Identification of kinetochore-containing (CREST+) micronuclei in mouse bone marrow erythrocytes. Mutagenesis, 1992, 7, 195-198.	2.6	30
17	Genomic instability: Crossing pathways at the origin of structural and numerical chromosome changes. Environmental and Molecular Mutagenesis, 2015, 56, 563-580.	2.2	29
18	Origin of aneuploidy in relation to disturbances of cell-cycle progression. I. Effects of vinblastine on mouse bone marrow cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1990, 229, 29-36.	1.0	27

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19	Weak genotoxicity of acrylamide on premeiotic and somatic cells on the mouse. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 309, 263-272.	1.0	27
20	The adverse outcome pathway (<scp>AOP</scp>) for chemical binding to tubulin in oocytes leading to aneuploid offspring. Environmental and Molecular Mutagenesis, 2016, 57, 87-113.	2.2	25
21	PRINS localization of centromeres and telomeres in micronuclei indicates that in mouse splenocytes chromatid non-disjunction is a major mechanism of aneuploidy. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1996, 372, 173-180.	1.0	23
22	Tumor and metastasis suppression by the human RNASET2 gene. International Journal of Oncology, 2005, 26, 1159.	3.3	23
23	Micronucleus induction in germ and somatic cells of the mouse after exposure to the butadiene metabolites diepoxybutane and epoxybutene. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1997, 390, 129-139.	1.7	22
24	Nitrilotriacetic acid (NTA) induces aneuploidy in drosophila and mouse germ-line cells. Environmental Mutagenesis, 1988, 12, 397-407.	1.4	21
25	cDNA Cloning and Characterization of PD1: A Novel Human Testicular Protein with Different Expressions in Various Testiculopathies. Experimental Cell Research, 1999, 248, 620-626.	2.6	21
26	Individual Radiosensitivity in Oncological Patients: Linking Adverse Normal Tissue Reactions and Genetic Features. Frontiers in Oncology, 2019, 9, 987.	2.8	21
27	Detection of aneuploidy in male germ cells of mice by means of a meiotic micronucleus assay. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1992, 281, 187-191.	1.1	20
28	Induction of micronuclei and sister chromatid exchange in mouse splenocytes after exposure to the butadiene metabolite 3, 4-epoxy-1-butene. Mutagenesis, 1997, 12, 425-429.	2.6	19
29	Evaluation and characterization of micronuclei in early spermatids of mice exposed to 1,3-butadiene. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1998, 397, 45-54.	1.0	19
30	Synthesis report of the step project detection of germ cell mutagens. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1996, 353, 65-84.	1.0	17
31	Risks of aneuploidy induction from chemical exposure: Twenty years of collaborative research in Europe from basic science to regulatory implications. Mutation Research - Reviews in Mutation Research, 2019, 779, 126-147.	5.5	16
32	Micronucleus induction in somatic cells of mice as evaluated after 1,3-butadiene inhalation. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1998, 397, 11-20.	1.0	15
33	BACE2 is Stored in Secretory Granules of Mouse and Rat Pancreatic Î² Cells. Ultrastructural Pathology, 2008, 32, 246-251.	0.9	15
34	Analysis of mutational effects at the HPRT locus in human G0 phase lymphocytes irradiated in vitro with Î³ rays. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2001, 474, 147-158.	1.0	13
35	The Measurement of Induced Genetic Change in Mammalian Germ Cells. Methods in Molecular Biology, 2012, 817, 335-375.	0.9	13
36	A defective dNTP pool hinders DNA replication in cell cycle-reactivated terminally differentiated muscle cells. Cell Death and Differentiation, 2017, 24, 774-784.	11.2	13

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37	Meiotic non-disjunction induced by fission neutrons relative to X-rays observed in mouse secondary spermatocytes I. The response of different cell stages to a single radiation dose. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1983, 108, 359-372.	1.0	12
38	A concerted approach to the study of the aneuploidogenic properties of two chelating agents (EDTA) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Molecular Mutagenesis, 1990, 15, 205-213.	2.2	12
39	Genetic Damage Induced byIn VitroIrradiation of Human G0Lymphocytes with Low-Energy Protons (28) Tj ETQq1 1 0.784314 rgBT /O	1.5	12
40	Genetic instability of the tumor suppressor gene FHIT in normal human cells. Genes Chromosomes and Cancer, 2013, 52, 832-844.	2.8	12
41	SAMHD1â€deficient fibroblasts from Aicardiâ€GoutiÃ¨res Syndrome patients can escape senescence and accumulate mutations. FASEB Journal, 2020, 34, 631-647.	0.5	12
42	General and specific replication profiles are detected in normal human cells by genome-wide and single-locus molecular combing. Experimental Cell Research, 2013, 319, 3081-3093.	2.6	11
43	Chromosome Imbalances in Cancer: Molecular Cytogenetics Meets Genomics. Cytogenetic and Genome Research, 2016, 150, 176-184.	1.1	11
44	PRINS tandem labeling of satellite DNA in the study of chromosome damage. American Journal of Medical Genetics Part A, 2002, 107, 99-104.	2.4	10
45	Personalized Stem Cell Therapy to Correct Corneal Defects Due to a Unique Homozygous-Heterozygous Mosaicism of Ectrodactyly-Ectodermal Dysplasia-Clefting Syndrome. Stem Cells Translational Medicine, 2016, 5, 1098-1105.	3.3	10
46	Sporadic cases in Duchenne muscular dystrophy. Human Genetics, 1987, 76, 230-5.	3.8	9
47	Lack of induction of somatic aneuploidy in the mouse by nitrilotriacetic acid (NTA). Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1989, 226, 111-114.	1.1	9
48	Persistence of chromosomal lesions and induced in mouse bone marrow cells by mitomycin C, as evaluated by SCE analysis. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1993, 287, 275-282.	1.0	9
49	Genotoxicity of trophosphamide in mouse germ cells: assessment of micronuclei in spermatids and chromosome aberrations in one-cell zygotes. Mutagenesis, 1996, 11, 125-130.	2.6	9
50	Detection of minor and major satellite DNA in cytokinesis-blocked mouse splenocytes by a PRINS tandem labelling approach. Mutagenesis, 1996, 11, 547-552.	2.6	9
51	The displacement of frataxin from the mitochondrial cristae correlates with abnormal respiratory supercomplexes formation and bioenergetic defects in cells of Friedreich ataxia patients. FASEB Journal, 2021, 35, e21362.	0.5	9
52	Meiotic non-disjunction induced by fission neutrons relative to X-rays observed in mouse secondary spermatocytes II. Dose-effect relationships after treatment of pachytene cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1987, 176, 233-241.	1.0	8
53	Persistence of chromosomal lesions induced in actively proliferating bone marrow cells of the mouse. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1992, 269, 119-127.	1.0	8
54	Detection and characterization of micronuclei in a murine liver epithelial cell line, by application of the in vitro cytokinesis block MN assay and PRINS. Mutagenesis, 2000, 15, 349-356.	2.6	8

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55	The micronucleus assay in mouse peripheral blood reticulocytes demonstrates the transmission of chromosomal instability induced by mitomycin C and benzo[a]pyrene. Mutagenesis, 1993, 8, 407-410.	2.6	6
56	Evaluation of sister-chromatid exchanges in mouse spermatogonia: a comparison between the classical fluorescence plus Giemsa staining and an immunocytochemical approach. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 323, 143-149.	1.1	5
57	The Replication of Frataxin Gene Is Assured by Activation of Dormant Origins in the Presence of a GAA-Repeat Expansion. PLoS Genetics, 2016, 12, e1006201.	3.5	5
58	Reciprocal Translocations in Ageing Mice and in Mice with Long-term Low-level²³⁹Pu Contamination. International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine, 1983, 43, 445-450.	1.0	4
59	Inferences on the inheritance of congenital anomalies from temporal and spatial patterns of occurrence. Genetic Epidemiology, 1989, 6, 537-552.	1.3	4
60	Common fragile site instability in normal cells: Lessons and perspectives. Genes Chromosomes and Cancer, 2019, 58, 260-269.	2.8	4
61	PRINS Evaluation of Chromosome Instability in Mammalian Cells by Detection of Repetitive DNA Sequences in Micronuclei. , 2006, 334, 89-104.		3
62	Rad54/Rad54B deficiency is associated to increased chromosome breakage in mouse spermatocytes. Mutagenesis, 2018, 33, 323-332.	2.6	3
63	Environmental Effects on Developing Germ Cells. , 2018, , 452-458.		1
64	Toward a Molecular Approach to Chronotype Assessment. Journal of Biological Rhythms, 2022, , 074873042210993.	2.6	0