

Andrew J Wyrobek

List of Publications by Year in descending order

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79
papers

6,111
citations

70961

41
h-index

71532

76
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83
all docs

83
docs citations

83
times ranked

5366
citing authors

#	ARTICLE	IF	CITATIONS
1	Meiotic susceptibility for induction of sperm with chromosomal aberrations in patients receiving combination chemotherapy for Hodgkin lymphoma. PLoS ONE, 2020, 15, e0242218.	1.1	2
2	Spatial Memory Performance of Socially Mature Wistar Rats is Impaired after Exposure to Low (5 cGy) Doses of $1 \text{ GeV/n}^{48}\text{Ti}$ Particles. Radiation Research, 2017, 187, 60-65.	0.7	18
3	Individual variations in dose response for spatial memory learning among outbred wistar rats exposed from 5 to 20 cGy of ^{56}Fe particles. Environmental and Molecular Mutagenesis, 2016, 57, 331-340.	0.9	23
4	Impaired Spatial Memory Performance in Adult Wistar Rats Exposed to Low (5–20 cGy) Doses of $1 \text{ GeV/n}^{56}\text{Fe}$ Particles. Radiation Research, 2016, 185, 332-337.	0.7	37
5	Meiotic interstrand DNA damage escapes paternal repair and causes chromosomal aberrations in the zygote by maternal misrepair. Scientific Reports, 2015, 5, 7689.	1.6	53
6	An interferon signature identified by RNA-sequencing of mammary tissues varies across the estrous cycle and is predictive of metastasis-free survival. Oncotarget, 2014, 5, 4011-4025.	0.8	19
7	Elemental composition of human semen is associated with motility and genomic sperm defects among older men. Human Reproduction, 2013, 28, 274-282.	0.4	48
8	Nanosensor dosimetry of mouse blood proteins after exposure to ionizing radiation. Scientific Reports, 2013, 3, 2234.	1.6	36
9	Occupational Exposure to Benzene and Chromosomal Structural Aberrations in the Sperm of Chinese Men. Environmental Health Perspectives, 2012, 120, 229-234.	2.8	51
10	Micronutrients intake is associated with improved sperm DNA quality in older men. Fertility and Sterility, 2012, 98, 1130-1137.e1.	0.5	55
11	Genetic Differences in Transcript Responses to Low-Dose Ionizing Radiation Identify Tissue Functions Associated with Breast Cancer Susceptibility. PLoS ONE, 2012, 7, e45394.	1.1	28
12	DNA Repair and Cell Cycle Biomarkers of Radiation Exposure and Inflammation Stress in Human Blood. PLoS ONE, 2012, 7, e48619.	1.1	71
13	Exon-Level Microarray Analyses Identify Alternative Splicing Programs in Breast Cancer. Molecular Cancer Research, 2010, 8, 961-974.	1.5	121
14	Benzene Exposure Near the U.S. Permissible Limit Is Associated with Sperm Aneuploidy. Environmental Health Perspectives, 2010, 118, 833-839.	2.8	45
15	Molecular Distinctions between Stasis and Telomere Attrition Senescence Barriers Shown by Long-term Culture of Normal Human Mammary Epithelial Cells. Cancer Research, 2009, 69, 7557-7568.	0.4	144
16	Chromosomal Mosaicism in Mouse Two-Cell Embryos after Paternal Exposure to Acrylamide. Toxicological Sciences, 2009, 107, 194-205.	1.4	12
17	Basal Subtype and MAPK/ERK Kinase (MEK)-Phosphoinositide 3-Kinase Feedback Signaling Determine Susceptibility of Breast Cancer Cells to MEK Inhibition. Cancer Research, 2009, 69, 565-572.	0.4	340
18	A systems analysis of the chemosensitivity of breast cancer cells to the polyamine analogue PG-11047. BMC Medicine, 2009, 7, 77.	2.3	31

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19	Molecular stress response in the CNS of mice after systemic exposure to interferon- $\hat{\pm}$, ionizing radiation and ketamine. <i>NeuroToxicology</i> , 2009, 30, 261-268.	1.4	12
20	Early Brain Response to Low-Dose Radiation Exposure Involves Molecular Networks and Pathways Associated with Cognitive Functions, Advanced Aging and Alzheimer's Disease. <i>Radiation Research</i> , 2009, 171, 53-65.	0.7	110
21	DNA repair decline during mouse spermiogenesis results in the accumulation of heritable DNA damage. <i>DNA Repair</i> , 2008, 7, 572-581.	1.3	59
22	Laboratory Methods for the Detection of Chromosomal Structural Aberrations in Human and Mouse Sperm by Fluorescence In Situ Hybridization. <i>Methods in Molecular Biology</i> , 2008, 410, 241-272.	0.4	1
23	Frequency of human sperm carrying structural aberrations of chromosome 1 increases with advancing age. <i>Fertility and Sterility</i> , 2007, 87, 1077-1086.	0.5	43
24	The expression of Troponin T1 gene is induced by ketamine in adult mouse brain. <i>Brain Research</i> , 2007, 1174, 7-17.	1.1	26
25	Candidate protein biodosimeters of human exposure to ionizing radiation. <i>International Journal of Radiation Biology</i> , 2006, 82, 605-639.	1.0	150
26	A father of four consecutive trisomic pregnancies with elevated frequencies of associated aneuploid sperm. <i>American Journal of Medical Genetics, Part A</i> , 2006, 140A, 1840-1845.	0.7	7
27	Etoposide induces chromosomal abnormalities in mouse spermatocytes and stem cell spermatogonia. <i>Human Reproduction</i> , 2006, 21, 888-895.	0.4	41
28	Cross-species sperm-FISH assays for chemical testing and assessing paternal risk for chromosomally abnormal pregnancies. <i>Environmental and Molecular Mutagenesis</i> , 2005, 45, 271-283.	0.9	35
29	Mechanisms and consequences of paternally-transmitted chromosomal abnormalities. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2005, 75, 112-129.	3.6	116
30	Human sperm-FISH for identifying potential paternal risk factors for chromosomally abnormal reproductive outcomes. , 2005, , .		0
31	Relative Susceptibilities of Male Germ Cells to Genetic Defects Induced by Cancer Chemotherapies. <i>Journal of the National Cancer Institute Monographs</i> , 2005, 2005, 31-35.	0.9	64
32	Low-Dose Irradiation Alters the Transcript Profiles of Human Lymphoblastoid Cells Including Genes Associated with Cytogenetic Radioadaptive Response. <i>Radiation Research</i> , 2005, 164, 369-382.	0.7	125
33	Effect of Antioxidant Intake on Sperm Chromatin Stability in Healthy Nonsmoking Men. <i>Journal of Andrology</i> , 2005, 26, 550-556.	2.0	97
34	Temporal Global Changes in Gene Expression during Temperature Transition in <i>Yersinia pestis</i> . <i>Journal of Bacteriology</i> , 2004, 186, 6298-6305.	1.0	132
35	Impaired fertility in T-stock female mice after superovulation. <i>Reproduction</i> , 2004, 128, 573-581.	1.1	10
36	Paternally Transmitted Chromosomal Aberrations in Mouse Zygotes Determine Their Embryonic Fate1. <i>Biology of Reproduction</i> , 2004, 70, 616-624.	1.2	65

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37	Differential basal expression of genes associated with stress response, damage control, and DNA repair among mouse tissues. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004, 561, 1-14.	0.9	30
38	Effects of male age on the frequencies of germinal and heritable chromosomal abnormalities in humans and rodents. <i>Fertility and Sterility</i> , 2004, 81, 925-943.	0.5	134
39	A new FISH assay to simultaneously detect structural and numerical chromosomal abnormalities in mouse sperm. <i>Molecular Reproduction and Development</i> , 2003, 66, 172-180.	1.0	19
40	The Paternal-Age Effect in Apert Syndrome Is Due, in Part, to the Increased Frequency of Mutations in Sperm. <i>American Journal of Human Genetics</i> , 2003, 73, 939-947.	2.6	164
41	Numerical Chromosomal Abnormalities in Rat Epididymal Spermatozoa Following Chronic Cyclophosphamide Exposure. <i>Biology of Reproduction</i> , 2003, 69, 1150-1157.	1.2	31
42	Paint/DAPI Analysis of Mouse Zygotes to Detect Paternally Transmitted Chromosomal Aberrations. <i>Advances in Experimental Medicine and Biology</i> , 2003, 518, 131-145.	0.8	8
43	Integrating New Tests of Sperm Genetic Integrity into Semen Analysis: Breakout Group Discussion. <i>Advances in Experimental Medicine and Biology</i> , 2003, 518, 253-268.	0.8	103
44	NOVP chemotherapy for Hodgkin's disease transiently induces sperm aneuploidies associated with the major clinical aneuploidy syndromes involving chromosomes X, Y, 18, and 21. <i>Cancer Research</i> , 2003, 63, 44-51.	0.4	55
45	The observed human sperm mutation frequency cannot explain the achondroplasia paternal age effect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14952-14957.	3.3	175
46	Stable Variants of Sperm Aneuploidy among Healthy Men Show Associations between Germinal and Somatic Aneuploidy. <i>American Journal of Human Genetics</i> , 2002, 70, 1507-1519.	2.6	44
47	CENP-B is not critical for meiotic chromosome segregation in male mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 513, 197-203.	0.9	11
48	Adaptive response induction and variation in human lymphoblastoid cell lines. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 519, 15-24.	0.9	25
49	Effects of male age on semen quality and fertility: a review of the literature. <i>Fertility and Sterility</i> , 2001, 75, 237-248.	0.5	587
50	Frequency of XY Sperm Increases with Age in Fathers of Boys with Klinefelter Syndrome. <i>American Journal of Human Genetics</i> , 2001, 69, 1046-1054.	2.6	116
51	<title>Groundtruth approach to accurate quantitation of fluorescence microarrays</title>. , 2001, , .		8
52	Multicolor FISH Analysis of Chromosomal Breaks, Duplications, Deletions, and Numerical Abnormalities in the Sperm of Healthy Men. <i>American Journal of Human Genetics</i> , 2000, 67, 862-872.	2.6	55
53	Absence of Selection Against Aneuploid Mouse Sperm at Fertilization ¹ . <i>Biology of Reproduction</i> , 1999, 61, 948-954.	1.2	37
54	Advances in the automated detection of metaphase chromosomes labeled with fluorescence dyes. <i>Cytometry</i> , 1998, 33, 10-18.	1.8	8

#	ARTICLE	IF	CITATIONS
55	Micronuclei and developmental abnormalities in 4-day mouse embryos after paternal treatment with acrylamide. , 1998, 31, 206-217. Smoking cigarettes is associated with increased sperm disomy in teenage men ¹¹ This manuscript has been reviewed in accordance with the policy of the National Health and Environmental Effects Research Laboratory, U.S. Environmental Protection Agency, and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the Agency, nor does mention of trade names or commercial products constitute endorsement or recommendation for their use ⁸⁸ This study was perf. Fertility and Sterility, 1998, 70, 715-723.		26
56	Meliotic Segregation, Recombination, and Gamete Aneuploidy Assessed in a t(1;10)(p22.1;q22.3) Reciprocal Translocation Carrier by Three- and Four-Probe Multicolor FISH in Sperm. American Journal of Human Genetics, 1997, 61, 651-659.	0.5	232
57	Chemotherapy induces transient sex chromosomal and autosomal aneuploidy in human sperm. Nature Genetics, 1997, 16, 74-78.	2.6	92
58	Induction of chromosomal aberrations in mouse zygotes by acrylamide treatment of male germ cells and their correlation with dominant lethality and heritable translocations. , 1997, 30, 410-417.	9.4	221
59	Simultaneous detection of structural and numerical chromosome abnormalities in sperm of healthy men by multicolor fluorescence in situ hybridization. Human Genetics, 1996, 98, 608-615.	1.8	59
60	Paternally inherited chromosomal structural aberrations detected in mouse first-cleavage zygote metaphases by multicolour fluorescence in situ hybridization painting. Chromosome Research, 1996, 4, 604-613.	1.0	23
61	Detection of sex chromosomal aneuploidies X-X, Y-Y, and X-Y in human sperm using two-chromosome fluorescence in situ hybridization. American Journal of Medical Genetics Part A, 1994, 53, 1-7.	2.4	79
62	Methods and Concepts in Detecting Abnormal Reproductive Outcomes of Paternal Origin. , 1994, , 1-21.		5
63	Methods and concepts in detecting abnormal reproductive outcomes of paternal origin. Reproductive Toxicology, 1993, 7, 3-16.	1.3	113
64	A study of the effect of perchloroethylene exposure on semen quality in dry cleaning workers. American Journal of Industrial Medicine, 1991, 20, 575-591.	1.0	72
65	A study of the effect of perchloroethylene exposure on the reproductive outcomes of wives of dry-cleaning workers. American Journal of Industrial Medicine, 1991, 20, 593-600.	1.0	42
66	Fluorescence In situ hybridization to Y chromosomes in decondensed human sperm nuclei. Molecular Reproduction and Development, 1990, 27, 200-208.	1.0	136
67	The effect of chemotherapy on the in vivo frequency of glycophorin A ϵ -null TM variant erythrocytes. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1990, 240, 165-175.	1.2	62
68	Quantification and classification of human sperm morphology by computer-assisted image analysis. Fertility and Sterility, 1988, 50, 142-152.	0.5	73
69	Monoclonal Antibodies to Human Protamines. Hybridoma, 1987, 6, 293-303.	0.9	18
70	Long-term infertility and dominant lethal mutations in male mice treated with adriamycin. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1985, 152, 53-65.	0.4	37
71	Methods for Evaluating the Effects of Environmental Chemicals on Human Spermatogenesis. , 1985, , 427-440.		0
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73	DNA packaging in mouse spermatids. <i>Experimental Cell Research</i> , 1984, 150, 298-308.	1.2	219
74	Germ cell studies in mice after prolonged exposure to nitrous oxide. <i>Toxicology and Applied Pharmacology</i> , 1983, 67, 370-375.	1.3	13
75	An evaluation of the mouse sperm morphology test and other sperm tests in nonhuman mammals. <i>Mutation Research - Reviews in Genetic Toxicology</i> , 1983, 115, 1-72.	3.0	354
76	An evaluation of human sperm as indicators of chemically induced alterations of spermatogenic function. <i>Mutation Research - Reviews in Genetic Toxicology</i> , 1983, 115, 73-148.	3.0	164
77	Active Sperm Production after Cancer Chemotherapy with Doxorubicin. <i>Journal of Urology</i> , 1983, 130, 927-930.	0.2	33
78	Temporary effects of AMSA (4-(9-acridinylamino) methanesulfon-m-anisidide) chemotherapy on spermatogenesis. <i>Cancer</i> , 1982, 49, 2459-2462.	2.0	30
79	Quantification of mammalian sperm morphology by slit-scan flow cytometry. <i>Cytometry</i> , 1982, 2, 344-349.	1.8	25