

Marvin L Meistrich

List of Publications by Year in descending order

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115
papers

7,459
citations

43973

48
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82
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docs citations

119
times ranked

4944
citing authors

#	ARTICLE	IF	CITATIONS
1	Concordant Androgen-Regulated Expression of Divergent <i>Rhox5</i> Promoters in Sertoli Cells. <i>Endocrinology</i> , 2022, 163, .	1.4	2
2	Postpubertal spermatogonial stem cell transplantation restores functional sperm production in rhesus monkeys irradiated before and after puberty. <i>Andrology</i> , 2021, 9, 1603-1616.	1.9	18
3	Risks of genetic damage in offspring conceived using spermatozoa produced during chemotherapy or radiotherapy. <i>Andrology</i> , 2020, 8, 545-558.	1.9	16
4	Restoration of functional sperm production in irradiated pubertal rhesus monkeys by spermatogonial stem cell transplantation. <i>Andrology</i> , 2020, 8, 1428-1441.	1.9	22
5	Meiotic susceptibility for induction of sperm with chromosomal aberrations in patients receiving combination chemotherapy for Hodgkin lymphoma. <i>PLoS ONE</i> , 2020, 15, e0242218.	1.1	2
6	The impact of chemo- and radiotherapy treatments on selfish de novo FGFR2 mutations in sperm of cancer survivors. <i>Human Reproduction</i> , 2019, 34, 1404-1415.	0.4	7
7	Undifferentiated spermatogonia regulate <i>Cyp26b1</i> expression through NOTCH signaling and drive germ cell differentiation. <i>FASEB Journal</i> , 2019, 33, 8423-8435.	0.2	22
8	Autologous grafting of cryopreserved prepubertal rhesus testis produces sperm and offspring. <i>Science</i> , 2019, 363, 1314-1319.	6.0	217
9	Differentiation of primate primordial germ cell-like cells following transplantation into the adult gonadal niche. <i>Nature Communications</i> , 2018, 9, 5339.	5.8	47
10	Donor spermatogenesis in de novo formed seminiferous tubules from transplanted testicular cells in rhesus monkey testis. <i>Human Reproduction</i> , 2018, 33, 2249-2255.	0.4	17
11	HMGB4 is expressed by neuronal cells and affects the expression of genes involved in neural differentiation. <i>Scientific Reports</i> , 2016, 6, 32960.	1.6	14
12	The New Director of the Spermatogonial Niche: Introducing the Peritubular Macrophage. <i>Cell Reports</i> , 2015, 12, 1069-1070.	2.9	6
13	Fetal Cyclophosphamide Exposure Induces Testicular Cancer and Reduced Spermatogenesis and Ovarian Follicle Numbers in Mice. <i>PLoS ONE</i> , 2014, 9, e93311.	1.1	37
14	A New Approach for Optimal Morphological Identification and Immunolabeling of Spermatogonial Cells. <i>Microscopy and Microanalysis</i> , 2014, 20, 1304-1311.	0.2	2
15	Chd5 orchestrates chromatin remodelling during sperm development. <i>Nature Communications</i> , 2014, 5, 3812.	5.8	82
16	Germline stem cells: toward the regeneration of spermatogenesis. <i>Fertility and Sterility</i> , 2014, 101, 3-13.	0.5	85
17	Assessment of Spermatogenesis Through Staging of Seminiferous Tubules. <i>Methods in Molecular Biology</i> , 2013, 927, 299-307.	0.4	134
18	Effects of chemotherapy and radiotherapy on spermatogenesis in humans. <i>Fertility and Sterility</i> , 2013, 100, 1180-1186.	0.5	292

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19	Spermatogonial behavior in rats during radiation-induced arrest and recovery after hormone suppression. <i>Reproduction</i> , 2013, 146, 363-376.	1.1	12
20	Dynamic expression pattern and subcellular localization of the Rhox10 homeobox transcription factor during early germ cell development. <i>Reproduction</i> , 2012, 143, 611-624.	1.1	18
21	Differences in Radiation Sensitivity of Recovery of Spermatogenesis Between Rat Strains. <i>Toxicological Sciences</i> , 2012, 126, 545-553.	1.4	22
22	Effects of multiple doses of cyclophosphamide on mouse testes: Assessing the germ cells lost, and the functional damage of stem cells. <i>Reproductive Toxicology</i> , 2011, 32, 395-406.	1.3	45
23	Androgen Suppression-Induced Stimulation of Spermatogonial Differentiation in Juvenile Spermatogonial Depletion Mice Acts by Elevating the Testicular Temperature. <i>Endocrinology</i> , 2011, 152, 3504-3514.	1.4	9
24	The Testis-Enriched Histone Demethylase, KDM4D, Regulates Methylation of Histone H3 Lysine 9 During Spermatogenesis in the Mouse but Is Dispensable for Fertility1. <i>Biology of Reproduction</i> , 2011, 84, 1225-1234.	1.2	101
25	Poly(ADP-Ribose) Polymerases PARP1 and PARP2 Modulate Topoisomerase II Beta (TOP2B) Function During Chromatin Condensation in Mouse Spermiogenesis1. <i>Biology of Reproduction</i> , 2011, 84, 900-909.	1.2	64
26	Poly(ADP-ribose) Metabolism Is Essential for Proper Nucleoprotein Exchange During Mouse Spermiogenesis. <i>Biology of Reproduction</i> , 2011, 84, 218-228.	1.2	39
27	Estrogen-Regulated Genes in Rat Testes and Their Relationship to Recovery of Spermatogenesis after Irradiation1. <i>Biology of Reproduction</i> , 2011, 85, 823-833.	1.2	17
28	H2A.Bbd: an X-chromosome-encoded histone involved in mammalian spermiogenesis. <i>Nucleic Acids Research</i> , 2010, 38, 1780-1789.	6.5	71
29	Changes in Gene Expression in Somatic Cells of Rat Testes Resulting from Hormonal Modulation and Radiation-Induced Germ Cell Depletion1. <i>Biology of Reproduction</i> , 2010, 82, 54-65.	1.2	24
30	Gene Expression Alterations by Conditional Knockout of Androgen Receptor in Adult Sertoli Cells of Utp14bjsd/jsd (jsd) Mice1. <i>Biology of Reproduction</i> , 2010, 83, 759-766.	1.2	15
31	Hormonal Suppression Restores Fertility in Irradiated Mice from both Endogenous and Donor-Derived Stem Spermatogonia. <i>Toxicological Sciences</i> , 2010, 117, 225-237.	1.4	20
32	Donor Sertoli cells transplanted into irradiated rat testes stimulate partial recovery of endogenous spermatogenesis. <i>Reproduction</i> , 2009, 137, 497-508.	1.1	30
33	Male gonadal toxicity. <i>Pediatric Blood and Cancer</i> , 2009, 53, 261-266.	0.8	148
34	Protamine 2 precursors (Pre-P2), protamine 1 to protamine 2 ratio (P1/P2), and assisted reproduction outcome. <i>Fertility and Sterility</i> , 2009, 91, 715-722.	0.5	96
35	Estrogen Enhances Recovery From Radiation-Induced Spermatogonial Arrest in Rat Testes. <i>Journal of Andrology</i> , 2009, 30, 440-451.	2.0	31
36	Androgen Receptor in Sertoli Cells Is Not Required for Testosterone-Induced Suppression of Spermatogenesis, but Contributes to Sertoli Cell Organization in Utp14bjsd Mice. <i>Journal of Andrology</i> , 2009, 30, 338-348.	2.0	19

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37	High-Resolution Light Microscopic Characterization of Spermatogonia. <i>Methods in Molecular Biology</i> , 2008, 450, 95-107.	0.4	24
38	Hormonal suppression for fertility preservation in males and females. <i>Reproduction</i> , 2008, 136, 691-701.	1.1	89
39	Utp14b: A unique retrogene within a gene that has acquired multiple promoters and a specific function in spermatogenesis. <i>Developmental Biology</i> , 2007, 304, 848-859.	0.9	28
40	The radiation-induced block in spermatogonial differentiation is due to damage to the somatic environment, not the germ cells. <i>Journal of Cellular Physiology</i> , 2007, 211, 149-158.	2.0	97
41	Chapter 10. Prevention of Adverse Effects of Cancer Treatment on the Germline. <i>Issues in Toxicology</i> , 2007, , 114-123.	0.2	6
42	Irradiated Mouse Testes Efficiently Support Spermatogenesis Derived From Donor Germ Cells of Mice and Rats. <i>Journal of Andrology</i> , 2006, 27, 365-375.	2.0	54
43	Testicular Edema Is Associated with Spermatogonial Arrest in Irradiated Rats. <i>Endocrinology</i> , 2006, 147, 1297-1305.	1.4	53
44	Both Testosterone and Follicle-Stimulating Hormone Independently Inhibit Spermatogonial Differentiation in Irradiated Rats. <i>Endocrinology</i> , 2006, 147, 472-482.	1.4	31
45	Spermatogonial Differentiation in Juvenile Spermatogonial Depletion (jsd) Mice with Androgen Receptor or Follicle-Stimulating Hormone Mutations. <i>Endocrinology</i> , 2006, 147, 3563-3570.	1.4	24
46	Protamine 2 precursors, protamine 1/protamine 2 ratio, DNA integrity and other sperm parameters in infertile patients. <i>Human Reproduction</i> , 2006, 21, 2084-2089.	0.4	140
47	Hormonal Approaches to Preservation and Restoration of Male Fertility After Cancer Treatment. <i>Journal of the National Cancer Institute Monographs</i> , 2005, 2005, 36-39.	0.9	95
48	Decline in fertility of mouse sperm with abnormal chromatin during epididymal passage as revealed by ICSI. <i>Human Reproduction</i> , 2005, 20, 3101-3108.	0.4	170
49	Stage-specific Expression of Dynein Light Chain-1 and Its Interacting Kinase, p21-activated Kinase-1, in Rodent Testes: Implications in Spermiogenesis. <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 1235-1243.	1.3	13
50	Gonadotropin-Releasing Hormone Antagonist (Cetrorelix) Therapy Fails to Protect Nonhuman Primates (<i>Macaca arctoides</i>) From Radiation-Induced Spermatogenic Failure. <i>Journal of Andrology</i> , 2005, 26, 222-234.	2.0	43
51	Cisplatin-Induced Long-Term Failure of Spermatogenesis in Adult C57/Bl/6J Mice. <i>Journal of Andrology</i> , 2005, 26, 136-145.	2.0	90
52	Rhox: A New Homeobox Gene Cluster. <i>Cell</i> , 2005, 120, 369-382.	13.5	220
53	Hormones and Spermatogonial Development. , 2005, , 437-448.		3
54	Abnormalities and Reduced Reproductive Potential of Sperm from Tnp1- and Tnp2-Null Double Mutant Mice. <i>Biology of Reproduction</i> , 2004, 71, 1220-1229.	1.2	136

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55	Effects of Medroxyprogesterone and Estradiol on the Recovery of Spermatogenesis in Irradiated Rats. <i>Endocrinology</i> , 2004, 145, 4461-4469.	1.4	27
56	Nucleoprotein Transitions During Spermiogenesis in Mice with Transition Nuclear Protein Tnp1 and Tnp2 Mutations ¹ . <i>Biology of Reproduction</i> , 2004, 71, 1016-1025.	1.2	113
57	Transition nuclear proteins are required for normal chromatin condensation and functional sperm development. <i>Genesis</i> , 2004, 38, 200-213.	0.8	169
58	Roles of transition nuclear proteins in spermiogenesis. <i>Chromosoma</i> , 2003, 111, 483-488.	1.0	298
59	Dibromochloropropane inhibits spermatogonial development in rats. <i>Reproductive Toxicology</i> , 2003, 17, 263-271.	1.3	24
60	Suppression of testosterone stimulates recovery of spermatogenesis after cancer treatment. <i>Journal of Developmental and Physical Disabilities</i> , 2003, 26, 141-146.	3.6	26
61	Inhibition of Spermatogonial Differentiation by Testosterone. <i>Journal of Andrology</i> , 2003, 24, 135-148.	2.0	64
62	Restoration of Spermatogenesis in Dibromochloropropane (DBCP)-Treated Rats by Hormone Suppression. <i>Toxicological Sciences</i> , 2003, 76, 418-426.	1.4	31
63	PemHomeobox Gene Promoter Sequences that Direct Transcription in a Sertoli Cell-Specific, Stage-Specific, and Androgen-Dependent Manner in the Testis in Vivo. <i>Molecular Endocrinology</i> , 2003, 17, 223-233.	3.7	80
64	Restoration of Spermatogenesis After Exposure to Toxicants: Genetic Implications. <i>Advances in Experimental Medicine and Biology</i> , 2003, 518, 227-237.	0.8	5
65	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
66	Inhibition of Recovery of Spermatogenesis in Irradiated Rats by Different Androgens. <i>Endocrinology</i> , 2002, 143, 3385-3396.	1.4	56
67	Age and insertion site dependence of repeat number instability of a human DM1 transgene in individual mouse sperm. <i>Human Molecular Genetics</i> , 2002, 11, 791-798.	1.4	25
68	Genetic Disease in Offspring of Long-Term Survivors of Childhood and Adolescent Cancer Treated with Potentially Mutagenic Therapies. <i>American Journal of Human Genetics</i> , 2002, 70, 1069-1071.	2.6	62
69	Detection of radiation and cyclophosphamide-induced mutations in individual mouse sperm at a human expanded trinucleotide repeat locus transgene. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 516, 121-138.	0.9	13
70	Targeted Disruption of the Transition Protein 2 Gene Affects Sperm Chromatin Structure and Reduces Fertility in Mice. <i>Molecular and Cellular Biology</i> , 2001, 21, 7243-7255.	1.1	172
71	Lupron Depot Prevention of Antispermatic/Antifertility Activity of the Indenopyridine, CDB-4022, in the Rat ¹ . <i>Biology of Reproduction</i> , 2001, 65, 165-172.	1.2	37
72	Irradiation Selectively Inhibits Expression from the Androgen-Dependent Pem Homeobox Gene Promoter in Sertoli Cells*. <i>Endocrinology</i> , 2001, 142, 1567-1577.	1.4	25

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73	Testosterone Inhibits Spermatogonial Differentiation in Juvenile Spermatogonial Depletion Mice ¹ . <i>Endocrinology</i> , 2001, 142, 2789-2795.	1.4	43
74	Simultaneous estimation of TG2+M, TS, and Tpot using single sample dynamic tumor data from bivariate DNA-thymidine analogue cytometry. <i>Cytometry</i> , 2000, 41, 1-8.	1.8	22
75	Frequency of minisatellite repeat number changes at the MS205 locus in human sperm before and after cancer chemotherapy. <i>Environmental and Molecular Mutagenesis</i> , 2000, 36, 134-145.	0.9	53
76	Recovery of sperm production following radiation therapy for Hodgkin's disease after induction chemotherapy with mitoxantrone, vincristine, vinblastine, and prednisone (NOVP). <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 46, 609-617.	0.4	29
77	Minisatellite mutation frequency in human sperm following radiotherapy. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2000, 453, 67-75.	0.4	49
78	Gonadotropin-Releasing Hormone Analogs Stimulate and Testosterone Inhibits the Recovery of Spermatogenesis in Irradiated Rats*. <i>Endocrinology</i> , 2000, 141, 1735-1745.	1.4	100
79	Enhancement of A Spermatogonial Proliferation and Differentiation in Irradiated Rats by Gonadotropin-Releasing Hormone Antagonist Administration ¹ . <i>Endocrinology</i> , 2000, 141, 37-49.	1.4	93
80	Simultaneous estimation of TG2+M, TS, and Tpot using single sample dynamic tumor data from bivariate DNA-thymidine analogue cytometry. , 2000, 41, 1.		1
81	Stimulation of Spermatogonial Differentiation in Juvenile Spermatogonial Depletion (<i>jsd</i>) Mutant Mice by Gonadotropin-Releasing Hormone Antagonist Treatment. <i>Endocrinology</i> , 1999, 140, 4912-4915.	1.4	46
82	The Fas System, a Regulator of Testicular Germ Cell Apoptosis, Is Differentially Up-Regulated in Sertoli Cell Versus Germ Cell Injury of the Testis*. <i>Endocrinology</i> , 1999, 140, 852-858.	1.4	259
83	Relationship of Ki-67 labeling index to DNA-ploidy, S-phase fraction, and outcome in prostate cancer treated with radiotherapy. , 1999, 41, 166-172.		36
84	Hormone Pretreatment Enhances Recovery of Spermatogenesis in Rats after Neutron Irradiation. <i>Radiation Research</i> , 1999, 152, 51.	0.7	7
85	Mouse protamine genes are candidate targets for the novel orphan nuclear receptor, germ cell nuclear factor. <i>Molecular Reproduction and Development</i> , 1998, 50, 396-405.	1.0	43
86	Hormonal stimulation of the recovery of spermatogenesis following chemo- or radiotherapy. <i>Apmis</i> , 1998, 106, 37-46.	0.9	65
87	Chemotherapy induces transient sex chromosomal and autosomal aneuploidy in human sperm. <i>Nature Genetics</i> , 1997, 16, 74-78.	9.4	221
88	Failure of Spermatogenesis to Recover Despite the Presence of A Spermatogonia in the Irradiated LBNF1 Rat ¹ . <i>Biology of Reproduction</i> , 1996, 54, 1200-1208.	1.2	111
89	Increased accessibility of the N-terminus of testis-specific histone TH2B to antibodies in elongating spermatids. <i>Molecular Reproduction and Development</i> , 1995, 42, 210-219.	1.0	24
90	Separation of Specific Stages of Spermatids from Vitamin A-Synchronized Rat Testes for Assessment of Nucleoprotein Changes during Spermiogenesis ¹ . <i>Biology of Reproduction</i> , 1994, 51, 334-344.	1.2	36

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91	Protection from Radiation-Induced Damage to Spermatogenesis by Hormone Treatment. Radiation Research, 1994, 139, 97.	0.7	54
92	Potential genetic risks of using semen collected during chemotherapy. Human Reproduction, 1993, 8, 8-10.	0.4	81
93	Radiation Sensitivity of the Human Testis. Advances in Radiation Biology, 1990, , 227-268.	0.4	61
94	Expression of RNAs for Calmodulin, Actins, and Tubulins in Rat Testis Cells1. Biology of Reproduction, 1989, 40, 395-405.	1.2	45
95	Male reproductive function in long-term survivors of childhood cancer. Medical and Pediatric Oncology, 1988, 16, 241-247.	1.0	64
96	Estimation of Human Reproductive Risk from Animal Studies: Determination of Interspecies Extrapolation Factors for Steroid Hormone Effects on the Male. Risk Analysis, 1988, 8, 27-33.	1.5	9
97	Effects of AMSA, An Antineoplastic Agent, on Spermatogenesis in the Mouse. Journal of Andrology, 1985, 6, 225-229.	2.0	14
98	Cell Synchrony Techniques. I. A Comparison of Methods. Cell Proliferation, 1984, 17, 223-236.	2.4	11
99	Cell Synchrony Techniques. II. Analysis of Cell Progression Data. Cell Proliferation, 1984, 17, 237-245.	2.4	4
100	Active Sperm Production after Cancer Chemotherapy with Doxorubicin. Journal of Urology, 1983, 130, 927-930.	0.2	33
101	Quantitative Correlation Between Testicular Stem Cell Survival, Sperm Production, and Fertility in the Mouse After Treatment With Different Cytotoxic Agents. Journal of Andrology, 1982, 3, 58-68.	2.0	140
102	Temporary effects of AMSA (4-((9-acridinylamino) methanesulfon-m-anisidide) chemotherapy on spermatogenesis. Cancer, 1982, 49, 2459-2462.	2.0	30
103	Purification of Rat Spermatogenic Cells and Preliminary Biochemical Analysis of These Cells. Biology of Reproduction, 1981, 25, 1065-1077.	1.2	236
104	Temperature regulation during centrifugal elutriation and its effect on cell separation. Cell Biophysics, 1981, 3, 127-140.	0.4	9
105	Resolution of X and Y spermatids by pulse cytophotometry. Nature, 1978, 274, 821-823.	13.7	45
106	Gradual Regeneration of Mouse Testicular Stem Cells after Exposure to Ionizing Radiation. Radiation Research, 1978, 74, 349.	0.7	172
107	Chapter 2 Separation of Spermatogenic Cells and Nuclei from Rodent Testes. Methods in Cell Biology, 1977, 15, 15-54.	0.5	182
108	Biosynthesis and localization of lactate dehydrogenase X in pachytene spermatocytes and spermatids of mouse testes. Developmental Biology, 1977, 60, 428-441.	0.9	143

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109	Centrifugal elutriation: Separation of spermatogenic cells on the basis of sedimentation velocity. Journal of Cellular Physiology, 1975, 86, 177-189.	2.0	149
110	Partial characterization of a new basic nuclear protein from rat testis elongated spermatids. Biochemical and Biophysical Research Communications, 1975, 67, 182-189.	1.0	68
111	Effects of antineoplastic and other medical treatments on sperm production. , 0, , 18-29.		2
112	Application of spermatogenesis suppression therapies for fertility preservation. , 0, , 203-212.		0
113	Stimulation of Spermatogonial Differentiation in Juvenile Spermatogonial Depletion (jsd) Mutant Mice by Gonadotropin-Releasing Hormone Antagonist Treatment. , 0, .		13
114	Irradiation Selectively Inhibits Expression from the Androgen-Dependent Pem Homeobox Gene Promoter in Sertoli Cells. , 0, .		12
115	Testosterone Inhibits Spermatogonial Differentiation in Juvenile Spermatogonial Depletion Mice. , 0, .		16