Dirk G De Rooij

List of Publications by Year
in descending order

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210	19,965	8755	12272
papers	citations	75 h-index	133 g-index

225	225	225	12586
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Regulation of Cell Fate Decision of Undifferentiated Spermatogonia by GDNF. Science, 2000, 287, 1489-1493.	12.6	1,219
2	MIWI2 Is Essential for Spermatogenesis and Repression of Transposons in the Mouse Male Germline. Developmental Cell, 2007, 12, 503-514.	7.0	1,014
3	Plzf is required in adult male germ cells for stem cell self-renewal. Nature Genetics, 2004, 36, 647-652.	21.4	791
4	Sox9 induces testis development in XX transgenic mice. Nature Genetics, 2001, 28, 216-217.	21.4	619
5	Stra8 and its inducer, retinoic acid, regulate meiotic initiation in both spermatogenesis and oogenesis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14976-14980.	7.1	527
6	A quantitative study of spermatogonial multiplication and stem cell renewal in the C3H/101 F1 hybrid mouse. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1993, 290, 193-200.	1.0	505
7	Functional analysis ofSox8andSox9during sex determination in the mouse. Development (Cambridge), 2004, 131, 1891-1901.	2.5	490
8	In germ cells of mouse embryonic ovaries, the decision to enter meiosis precedes premeiotic DNA replication. Nature Genetics, 2006, 38, 1430-1434.	21.4	453
9	Activation of Â-catenin signaling by Rspo1 controls differentiation of the mammalian ovary. Human Molecular Genetics, 2008, 17, 1264-1277.	2.9	407
10	Spermatogonial stem cells. Current Opinion in Cell Biology, 1998, 10, 694-701.	5.4	337
11	Propagation of Human Spermatogonial Stem Cells In Vitro. JAMA - Journal of the American Medical Association, 2009, 302, 2127.	7.4	334
12	Differential Expression of c-kit in Mouse Undifferentiated and Differentiating Type A Spermatogonia. Endocrinology, 1999, 140, 5894-5900.	2.8	317
13	Stem cells in the testis. International Journal of Experimental Pathology, 1998, 79, 67-80.	1.3	290
14	Staging of Mouse Seminiferous Tubule Cross-Sections. Methods in Molecular Biology, 2009, 558, 263-277.	0.9	236
15	Cell-Specific Knockout of Steroidogenic Factor 1 Reveals Its Essential Roles in Gonadal Function. Molecular Endocrinology, 2004, 18, 1610-1619.	3.7	235
16	The nature and dynamics of spermatogonial stem cells. Development (Cambridge), 2017, 144, 3022-3030.	2.5	228
17	The Neonatal and Adult Human Testis Defined at the Single-Cell Level. Cell Reports, 2019, 26, 1501-1517.e4.	6.4	224
18	Evidence that Meiotic Sex Chromosome Inactivation Is Essential for Male Fertility. Current Biology, 2010, 20, 2117-2123.	3.9	220

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19	Surveillance of Different Recombination Defects in Mouse Spermatocytes Yields Distinct Responses despite Elimination at an Identical Developmental Stage. Molecular and Cellular Biology, 2005, 25, 7203-7215.	2.3	212
20	Synchronization of the Seminiferous Epithelium after Vitamin A Replacement in Vitamin A-Deficient Mice. Biology of Reproduction, 1990, 43, 363-367.	2.7	201
21	Retinoic Acid Is Able to Reinitiate Spermatogenesis in Vitamin A-Deficient Rats and High Replicate Doses Support the Full Development of Spermatogenic Cells. Endocrinology, 1991, 128, 697-704.	2.8	200
22	The role of the tumor suppressor p53 in spermatogenesis. Cell Death and Differentiation, 1998, 5, 669-677.	11.2	194
23	Ontogeny of Estrogen Receptor-Î² Expression in Rat Testis**This work was supported by grants from the Swedish Medical Research Council (MFR K98â€“04P-12596â€“01A) and the Loo och Hans Ostermans Stiftelse (to G.G.J.M.K.) and a grant from the European Union (EU-PL95â€“1223; to B.v.d.B., P.T.v.d.S., and J.-AÌŠ.G.).. Endocrinology, 1999, 140, 478-483.	2.8	186
24	DNA Double-Strand Breaks and Î³-H2AX Signaling in the Testis1. Biology of Reproduction, 2003, 68, 628-634.	2.7	179
25	SYCE2 is required for synaptonemal complex assembly, double strand break repair, and homologous recombination. Journal of Cell Biology, 2007, 176, 741-747.	5.2	178
26	Periodic retinoic acidâ€“STRA8 signaling intersects with periodic germ-cell competencies to regulate spermatogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2347-56.	7.1	177
27	Mouse TRIP13/PCH2 Is Required for Recombination and Normal Higher-Order Chromosome Structure during Meiosis. PLoS Genetics, 2010, 6, e1001062.	3.5	170
28	Extensive meiotic asynapsis in mice antagonises meiotic silencing of unsynapsed chromatin and consequently disrupts meiotic sex chromosome inactivation. Journal of Cell Biology, 2008, 182, 263-276.	5.2	167
29	The conserved RNA helicase YTHDC2 regulates the transition from proliferation to differentiation in the germline. ELife, 2017, 6, .	6.0	167
30	Molecular control of rodent spermatogenesis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1838-1850.	3.8	166
31	The spermatogonial stem cell niche. Microscopy Research and Technique, 2009, 72, 580-585.	2.2	165
32	Specific arrests of spermatogenesis in genetically modified and mutant mice. Cytogenetic and Genome Research, 2003, 103, 267-276.	1.1	161
33	Proliferation and Differentiation of Bovine Type A Spermatogonia During Long-Term Culture1. Biology of Reproduction, 2003, 68, 272-281.	2.7	155
34	Functional relationship between obesity and male reproduction: from humans to animal models. Human Reproduction Update, 2011, 17, 667-683.	10.8	149
35	Nature of the Spermatogenic Arrest in Dazl â^'/â^' Mice. Biology of Reproduction, 2001, 65, 771-776.	2.7	146
36	The cohesin subunit RAD21L functions in meiotic synapsis and exhibits sexual dimorphism in fertility. EMBO Journal, 2011, 30, 3091-3105.	7.8	138

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37	A comparison between the morphology and cell kinetics of gonocytes and adult type undifferentiated spermatogonia in the mouse. Journal of Developmental and Physical Disabilities, 1981, 4, 475-493.	3.6	136
38	Inhibin Reduces Spermatogonial Numbers in Testes of Adult Mice and Chinese Hamsters. Endocrinology, 1989, 125, 1898-1903.	2.8	136
39	Propagation of bovine spermatogonial stem cells in vitro. Reproduction, 2008, 136, 543-557.	2.6	136
40	Arrest of Spermatogonial Differentiation in jsd/jsd, Sl17H/Sl17H, and Cryptorchid Mice. Biology of Reproduction, 1999, 61, 842-847.	2.7	134
41	Spermatogonial stem cells: characteristics and experimental possibilities. Apmis, 2005, 113, 727-742.	2.0	133
42	The Antagonistic Gene Paralogs Upf3a and Upf3b Govern Nonsense-Mediated RNA Decay. Cell, 2016, 165, 382-395.	28.9	132
43	Embryonic stem cell-like cells derived from adult human testis. Human Reproduction, 2010, 25, 158-167.	0.9	131
44	Involvement of the D-Type Cyclins in Germ Cell Proliferation and Differentiation in the Mouse1. Biology of Reproduction, 2000, 63, 1893-1898.	2.7	129
45	ATR acts stage specifically to regulate multiple aspects of mammalian meiotic silencing. Genes and Development, 2013, 27, 1484-1494.	5.9	127
46	The Regulation of the Proliferation and Differentiation of Rat Leydig Cell Precursor Cells After EDS Administration or Daily HCG Treatment. Journal of Andrology, 1988, 9, 343-351.	2.0	126
47	Gain-of-function amino acid substitutions drive positive selection of FGFR2 mutations in human spermatogonia. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6051-6056.	7.1	125
48	Specific Destruction of Leydig Cells in Mature Rats after In Vivo Administration of Ethane Dimethyl Sulfonate. Biology of Reproduction, 1985, 33, 1213-1222.	2.7	122
49	The Origin of the Synchronization of the Seminiferous Epithelium in Vitamin A-Deficient Rats after Vitamin A Replacement. Biology of Reproduction, 1990, 42, 677-682.	2.7	121
50	Unraveling transcriptome dynamics in human spermatogenesis. Development (Cambridge), 2017, 144, 3659-3673.	2.5	117
51	ATM Promotes the Obligate XY Crossover and both Crossover Control and Chromosome Axis Integrity on Autosomes. PLoS Genetics, 2008, 4, e1000076.	3.5	116
52	Isolation of the Synchronized A Spermatogonia from Adult Vitamin A-Deficient Rat Testes1. Biology of Reproduction, 1996, 55, 439-444.	2.7	113
53	RSPO1/Î²-Catenin Signaling Pathway Regulates Oogonia Differentiation and Entry into Meiosis in the Mouse Fetal Ovary. PLoS ONE, 2011, 6, e25641.	2.5	110
54	Proliferation of spermatogonia and Sertoli cells in maturing mice. Anatomy and Embryology, 1984, 169, 73-78.	1.5	107

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55	Meioc maintains an extended meiotic prophase I in mice. PLoS Genetics, 2017, 13, e1006704.	3.5	103
56	Repopulation of Leydig Cells in Mature Rats after Selective Destruction of the Existent Leydig Cells with Ethylene Dimethane Sulfonate Is Dependent on Luteinizing Hormone and Not Follicle-Stimulating Hormone. Endocrinology, 1986, 118, 2546-2554.	2.8	100
57	Meiotic cohesin complexes are essential for the formation of the axial element in mice. Journal of Cell Biology, 2012, 197, 877-885.	5.2	100
58	Ontogeny of Estrogen Receptor-Â Expression in Rat Testis. Endocrinology, 1999, 140, 478-483.	2.8	100
59	Periodic production of retinoic acid by meiotic and somatic cells coordinates four transitions in mouse spermatogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10132-E10141.	7.1	96
60	Macroorchidism in FMR1 Knockout Mice Is Caused by Increased Sertoli Cell Proliferation during Testicular Development*. Endocrinology, 1998, 139, 156-162.	2.8	94
61	Novel Stage Classification of Human Spermatogenesis Based on Acrosome Development1. Biology of Reproduction, 2013, 89, 60.	2.7	94
62	Spermatogenesis in the immature mouse proceeds faster than in the adult. Journal of Developmental and Physical Disabilities, 1982, 5, 282-294.	3.6	93
63	Enhancement of A Spermatogonial Proliferation and Differentiation in Irradiated Rats by Gonadotropin-Releasing Hormone Antagonist Administration1. Endocrinology, 2000, 141, 37-49.	2.8	93
64	Development of a cryopreservation protocol for type A spermatogonia. Journal of Andrology, 2002, 23, 537-45.	2.0	93
65	Proliferative Activity In Vitro and DNA Repair Indicate that Adult Mouse and Human Sertoli Cells Are Not Terminally Differentiated, Quiescent Cells1. Biology of Reproduction, 2009, 80, 1084-1091.	2.7	92
66	Distribution of GFRA1-expressing spermatogonia in adult mouse testis. Reproduction, 2012, 143, 325-332.	2.6	90
67	WNT4 and RSPO1 together are required for cell proliferation in the early mouse gonad. Development (Cambridge), 2012, 139, 4461-4472.	2.5	88
68	Questions About Spermatogonia Posed and Answered Since 2000. Journal of Andrology, 2012, 33, 1085-1095.	2.0	87
69	The Histone Deacetylase SIRT1 Controls Male Fertility in Mice Through Regulation of Hypothalamic-Pituitary Gonadotropin Signaling1. Biology of Reproduction, 2009, 80, 384-391.	2.7	86
70	Regulatory Role of p27kip1 in the Mouse and Human Testis*. Endocrinology, 1999, 140, 1834-1840.	2.8	83
71	Differences in DNA double strand breaks repair in male germ cell types: Lessons learned from a differential expression of Mdc1 and 53BP1. DNA Repair, 2007, 6, 1243-1254.	2.8	83
72	Basic features of bovine spermatogonial culture and effects of glial cell line-derived neurotrophic factor. Theriogenology, 2006, 65, 1828-1847.	2.1	82

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73	Differential Expression of c-kit in Mouse Undifferentiated and Differentiating Type A Spermatogonia. Endocrinology, 1999, 140, 5894-5900.	2.8	82
74	Effect of hypothyroidism on ovarian follicular development, granulosa cell proliferation and peripheral hormone levels in the prepubertal rat. European Journal of Endocrinology, 1996, 134, 649-654.	3.7	80
75	C14ORF39/SIX6OS1 is a constituent of the synaptonemal complex and is essential for mouse fertility. Nature Communications, 2016, 7, 13298.	12.8	80
76	Expression of the pluripotency marker UTF1 is restricted to a subpopulation of early A spermatogonia in rat testis. Reproduction, 2008, 136, 33-40.	2.6	78
77	Amplification of a broad transcriptional program by a common factor triggers the meiotic cell cycle in mice. ELife, 2019, 8, .	6.0	78
78	Development of the Adult-Type Leydig Cell Population in the Rat Is Affected by Neonatal Thyroid Hormone Levels1. Biology of Reproduction, 1998, 59, 344-350.	2.7	77
79	Establishment of Cell Lines with Rat Spermatogonial Stem Cell Characteristics. Endocrinology, 2002, 143, 1845-1850.	2.8	74
80	LIN28A Marks the Spermatogonial Progenitor Population and Regulates Its Cyclic Expansion. Stem Cells, 2014, 32, 860-873.	3.2	74
81	Characteristics of a Spermatogonia and Preleptotene Spermatocytes in the Vitamin A-Deficient Rat Testis1. Biology of Reproduction, 1995, 53, 570-578.	2.7	72
82	Testicular Differentiation Occurs in Absence of R-spondin1 and Sox9 in Mouse Sex Reversals. PLoS Genetics, 2012, 8, e1003170.	3.5	71
83	SPERMATOGONIAL STEM CELL RENEWAL IN THE MOUSE: I. NORMAL SITUATION. Cell Proliferation, 1973, 6, 281-287.	5.3	70
84	Long-Term Effects of Irradiation Before Adulthood on Reproductive Function in the Male Rhesus Monkey1. Biology of Reproduction, 2002, 66, 486-494.	2.7	69
85	Ultrastructural and carbohydrate histochemical studies on the differentiation and renewal of mucous cells in the rat gastric fundus. Cell and Tissue Research, 1977, 176, 445-462.	2.9	68
86	Spermatogonial kinetics in humans. Development (Cambridge), 2017, 144, 3430-3439.	2.5	68
87	SETDB1 Links the Meiotic DNA Damage Response to Sex Chromosome Silencing in Mice. Developmental Cell, 2018, 47, 645-659.e6.	7.0	68
88	Retinoic Acid and Germ Cell Development in the Ovary and Testis. Biomolecules, 2019, 9, 775.	4.0	68
89	A Dominant, Recombination-Defective Allele of Dmc1 Causing Male-Specific Sterility. PLoS Biology, 2007, 5, e105.	5.6	67
90	Tumor suppressor gene Rb is required for self-renewal of spermatogonial stem cells in mice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12685-12690.	7.1	66

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91	ATR is a multifunctional regulator of male mouse meiosis. Nature Communications, 2018, 9, 2621.	12.8	66
92	Apoptosis regulation in the testis: Involvement of Bcl-2 family members. Molecular Reproduction and Development, 2000, 56, 353-359.	2.0	65
93	Ataxia Telangiectasia Mutated Expression and Activation in the Testis1. Biology of Reproduction, 2004, 70, 1206-1212.	2.7	65
94	A sequential analysis of meiosis in the male mouse using a restricted spermatocyte population obtained by a hydroxyurea/triaziquone treatment. Chromosoma, 1979, 71, 237-248.	2.2	63
95	RathdMutation Reveals an Essential Role of Centrobin in Spermatid Head Shaping and Assembly of the Head-Tail Coupling Apparatus1. Biology of Reproduction, 2009, 81, 1196-1205.	2.7	61
96	The RNA-binding protein ELAVL1/HuR is essential for mouse spermatogenesis, acting both at meiotic and postmeiotic stages. Molecular Biology of the Cell, 2011, 22, 2875-2885.	2.1	59
97	H2B ubiquitination regulates meiotic recombination by promoting chromatin relaxation. Nucleic Acids Research, 2016, 44, gkw652.	14.5	59
98	Stimulation of the Proliferation and Differentiation of Leydig Cell Precursors after the Destruction of Existing Leydig Cells With Ethane Dimethyl Sulphonate (EDS) Can Take Place in the Absence of LH. Journal of Andrology, 1989, 10, 472-477.	2.0	58
99	Polycomb Protein SCML2 Associates with USP7 and Counteracts Histone H2A Ubiquitination in the XY Chromatin during Male Meiosis. PLoS Genetics, 2015, 11, e1004954.	3.5	58
100	Correlation of meiotic events in testis sections and microspreads of mouse spermatocytes relative to the mid-pachytene checkpoint. Chromosoma, 2004, 113, 126-136.	2.2	57
101	BMP4-Induced Differentiation of a Rat Spermatogonial Stem Cell Line Causes Changes in Its Cell Adhesion Properties1. Biology of Reproduction, 2010, 83, 742-749.	2.7	56
102	Parp1â€“XRCC1 and the repair of DNA double strand breaks in mouse round spermatids. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 683, 84-90.	1.0	55
103	Male pachytene pairing in single and double translocation heterozygotes and spermatogenic impairment in the mouse. Chromosoma, 1986, 93, 326-336.	2.2	54
104	A Neofunctionalized X-Linked Ampliconic Gene Family Is Essential for Male Fertility and Equal Sex Ratio in Mice. Current Biology, 2019, 29, 3699-3706.e5.	3.9	54
105	Spermatogenesis is Accelerated in the Immature Djungarian and Chinese Hamster and Rat. Biology of Reproduction, 1993, 49, 1229-1235.	2.7	53
106	Role for c-Abl and p73 in the radiation response of male germ cells. Oncogene, 2001, 20, 4298-4304.	5.9	53
107	Deriving multipotent stem cells from mouse spermatogonial stem cells: a new tool for developmental and clinical research. Development (Cambridge), 2008, 135, 2207-2213.	2.5	52
108	Function of DNA-Protein Kinase Catalytic Subunit During the Early Meiotic Prophase Without Ku70 and Ku861. Biology of Reproduction, 2003, 68, 717-721.	2.7	50

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109	DNA polymerase Î² is critical for mouse meiotic synapsis. EMBO Journal, 2010, 29, 410-423.	7.8	50
110	The Homeobox Transcription Factor RHOX10 Drives Mouse Spermatogonial Stem Cell Establishment. Cell Reports, 2016, 17, 149-164.	6.4	50
111	Phenotypical heterogeneity of testicular macrophages/dendritic cells in normal adult mice: an immunohistochemical study. Journal of Reproductive Immunology, 1995, 28, 217-232.	1.9	47
112	The Sensitivity of Quiescent and Proliferating Mouse Spermatogonial Stem Cells to X Irradiation. Radiation Research, 1992, 130, 289.	1.5	46
113	The Sensitivity to X Rays of Mouse Spermatogonia That Are Committed to Differentiate and of Differentiating Spermatogonia. Radiation Research, 1992, 130, 296.	1.5	45
114	Testicular development in Macaca irus after birth. Journal of Developmental and Physical Disabilities, 1983, 6, 25-43.	3.6	44
115	DNA damage response protein TOPBP1 regulates X chromosome silencing in the mammalian germ line. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12536-12541.	7.1	43
116	Multidrug resistance-associated protein 9 (ABCC12) is present in mouse and boar sperm. Biochemical Journal, 2007, 406, 31-40.	3.7	42
117	GCNA Interacts with Spartan and Topoisomerase II to Regulate Genome Stability. Developmental Cell, 2020, 52, 53-68.e6.	7.0	41
118	Differential Expression Pattern of Retinoid X Receptors in Adult Murine Testicular Cells Implies Varying Roles for these Receptors in Spermatogenesis1. Biology of Reproduction, 1998, 58, 1351-1356.	2.7	39
119	The effects of different endocrine disruptors defining compound-specific alterations of gene expression profiles in the developing testis. Reproductive Toxicology, 2012, 33, 106-115.	2.9	39
120	The Dnmt3L ADD Domain Controls Cytosine Methylation Establishment during Spermatogenesis. Cell Reports, 2015, 10, 944-956.	6.4	39
121	Microwave-aided technique to detect bromodeoxyuridine in S-phase cells using immunogold-silver staining and plastic-embedded sections. The Histochemical Journal, 1988, 20-20, 335-340.	0.6	38
122	Turnover Time of Leydig Cells and Other Interstitial Cells in Testes of Adult Rats. Archives of Andrology, 1989, 23, 105-111.	1.0	38
123	TAF4b is Required for Mouse Spermatogonial Stem Cell Development. Stem Cells, 2015, 33, 1267-1276.	3.2	38
124	A change in the phosphorylation pattern of the 30000â€“33000 M r synaptonemal complex proteins of the rat between early and mid-pachytene. Chromosoma, 1995, 104, 154-163.	2.2	37
125	The PSMA8 subunit of the spermatoproteasome is essential for proper meiotic exit and mouse fertility. PLoS Genetics, 2019, 15, e1008316.	3.5	37
126	Lymphoid-Specific Helicase (HELLS) Is Essential for Meiotic Progression in Mouse Spermatocytes1. Biology of Reproduction, 2011, 84, 1235-1241.	2.7	36

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127	Survival and proliferation of rat gonocytes in vitro. Cell and Tissue Research, 1993, 273, 141-147.	2.9	34
128	Distribution of Atr protein in primary spermatocytes of a mouse chromosomal mutant: a comparison of preparation techniques. Chromosoma, 2000, 109, 139-147.	2.2	33
129	Testicular development in Brahman bulls. Theriogenology, 2005, 64, 1440-1455.	2.1	33
130	Genetic probing of homologous recombination and non-homologous end joining during meiotic prophase in irradiated mouse spermatocytes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 688, 12-18.	1.0	33
131	Enhancement of A Spermatogonial Proliferation and Differentiation in Irradiated Rats by Gonadotropin-Releasing Hormone Antagonist Administration. Endocrinology, 2000, 141, 37-49.	2.8	33
132	Intercellular bridges and apoptosis in clones of male germ cells. Journal of Developmental and Physical Disabilities, 2003, 26, 348-353.	3.6	32
133	Rapid expansion of the spermatogonial stem cell tool box. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7939-7940.	7.1	32
134	UBR2 of the N-End Rule Pathway Is Required for Chromosome Stability via Histone Ubiquitylation in Spermatocytes and Somatic Cells. PLoS ONE, 2012, 7, e37414.	2.5	32
135	Isolation and characterization of all-trans-retinoic acid-responsive genes in the rat testis. Molecular Reproduction and Development, 1998, 50, 1-6.	2.0	31
136	The RHOX homeobox gene cluster is selectively expressed in human oocytes and male germ cells. Human Reproduction, 2013, 28, 1635-1646.	0.9	31
137	DNA Double Strand Break Response and Limited Repair Capacity in Mouse Elongated Spermatids. International Journal of Molecular Sciences, 2015, 16, 29923-29935.	4.1	31
138	The Effect of 9-cis-Retinoic Acid on Proliferation and Differentiation of A Spermatogonia and Retinoid Receptor Gene Expression in the Vitamin A-Deficient Mouse Testis**This work was supported by the Netherlands Organization for Scientific Research through GB-MW Grant 900-544-101 (to A.M.M.v.P.).. Endocrinology, 1998, 139, 4269-4276.	2.8	30
139	Role for Adhesion Molecules in the Spermatogonial Stem Cell Niche. Cell Stem Cell, 2008, 3, 467-468.	11.1	30
140	Isolating mitotic and meiotic germ cells from male mice by developmental synchronization, staging, and sorting. Developmental Biology, 2018, 443, 19-34.	2.0	29
141	A missense in HSF2BP causing primary ovarian insufficiency affects meiotic recombination by its novel interactor C19ORF57/BRME1. ELife, 2020, 9, .	6.0	29
142	DAZL mediates a broad translational program regulating expansion and differentiation of spermatogonial progenitors. ELife, 2020, 9, .	6.0	28
143	Periodic acid incubation can replace hydrochloric acid hydrolysis and trypsin digestion in immunogold-silver staining of bromodeoxyuridine incorporation in plastic sections and allows the PAS reaction. The Histochemical Journal, 1992, 24, 170-175.	0.6	27
144	Cycle of the Seminiferous Epithelium in the Djungarian Hamster (Phodopus Sungorus Sungorus). Biology of Reproduction, 1993, 48, 515-521.	2.7	27

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145	Heterogeneity in the in vitro survival and proliferation of human seminoma cells. British Journal of Cancer, 1995, 71, 13-17.	6.4	25
146	Dietaryâ€Induced Hyperthyroidism Marginally Affects Neonatal Testicular Development. Journal of Andrology, 2008, 29, 643-653.	2.0	24
147	Spermatid development in XO male mice with varying Y chromosome short-arm gene content: evidence for a Y gene controlling the initiation of sperm morphogenesis. Reproduction, 2012, 144, 433-445.	2.6	24
148	Computer Simulation of the Rodent Spermatogonial Stem Cell Niche1. Biology of Reproduction, 2013, 88, 131.	2.7	24
149	Effect of Retinoid Status on the Messenger Ribonucleic Acid Expression of Nuclear Retinoid Receptors Î±, Î², and Î³, and Retinoid X Receptors Î±, Î², and Î³ in the Mouse Testis1. Endocrinology, 1997, 138, 1544-1551.	2.8	23
150	Stem cell renewal and duration of spermatogonial cycle in the goldhamster. Cell and Tissue Research, 1968, 89, 133-136.	2.9	22
151	Spermatogonial stem cell renewal in the rat, mouse and golden hamster. Cell and Tissue Research, 1968, 92, 400-405.	2.9	22
152	Immunohistological Localization of Autoantigens Detected by Serum Autoantibodies from Mice with Experimental Autoimmune Orchitis Without Using Adjuvants. Archives of Andrology, 1994, 32, 45-52.	1.0	22
153	The mammalian mid-pachytene checkpoint: meiotic arrest in spermatocytes with a mutation in Atm alone or in combination with a Trp53 (p53) or Cdkn1a (p21/cip1) mutation. Cytogenetic and Genome Research, 2004, 107, 256-262.	1.1	22
154	A surge of late-occurring meiotic double-strand breaks rescues synapsis abnormalities in spermatocytes of mice with hypomorphic expression of SPO11. Chromosoma, 2016, 125, 189-203.	2.2	22
155	An ancient germ cell-specific RNA-binding protein protects the germline from cryptic splice site poisoning. ELife, 2019, 8, .	6.0	22
156	Dynamic and regulated TAF gene expression during mouse embryonic germ cell development. PLoS Genetics, 2020, 16, e1008515.	3.5	22
157	Computerized spermatogenesis staging (CSS) of mouse testis sections via quantitative histomorphological analysis. Medical Image Analysis, 2021, 70, 101835.	11.6	22
158	Macroorchidism in FMR1 Knockout Mice Is Caused by Increased Sertoli Cell Proliferation during Testicular Development. Endocrinology, 1998, 139, 156-162.	2.8	22
159	Zfygenes are required for efficient meiotic sex chromosome inactivation (MSCI) in spermatocytes. Human Molecular Genetics, 2016, 25, ddw344.	2.9	21
160	Mutations causing specific arrests in the development of mouse primordial germ cells and gonocytes. Biology of Reproduction, 2018, 99, 75-86.	2.7	21
161	Probability of self-renewing divisions of spermatogonial stem cells in colonies, formed after fission neutron irradiation. Cell Proliferation, 1990, 23, 1-16.	5.3	20
162	Spermatogonial stem cell transplantation. Molecular and Cellular Endocrinology, 2000, 169, 21-26.	3.2	20

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163	LY6A/E (SCA-1) Expression in the Mouse Testis. Biology of Reproduction, 2005, 73, 634-638.	2.7	20
164	Targeted inactivation of nuclear interaction partner of ALK disrupts meiotic prophase. Development (Cambridge), 2012, 139, 2523-2534.	2.5	20
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