Katja J Teerds

List of Publications by Year
in descending order

101 papers	3,503 citations	117619 34 h-index	155644 55 g-index
101 all docs	101 docs citations	101 times ranked	3068 citing authors

#	Article	IF	Citations
1	Functional relationship between obesity and male reproduction: from humans to animal models. Human Reproduction Update, 2011, 17, 667-683.	10.8	149
2	Apoptosis in the Rat Spermatogenic Epithelium Following Androgen Withdrawal: Changes in Apoptosis-Related Genes1. Biology of Reproduction, 1999, 60, 461-470.	2.7	146
3	Differences in the incidence of apoptosis between in vivo and in vitro produced blastocysts of farm animal species: a comparative study. Theriogenology, 2005, 63, 2254-2268.	2.1	136
4	Propagation of bovine spermatogonial stem cells in vitro. Reproduction, 2008, 136, 543-557.	2.6	136
5	Morphological and functional maturation of Leydig cells: from rodent models to primates. Human Reproduction Update, 2015, 21, 310-328.	10.8	127
6	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
7	Localization of Transforming Growth Factor Î²1 and Î²2 during Testicular Development in the Rat1. Biology of Reproduction, 1993, 48, 40-45.	2.7	113
8	Effects of pure FSH and LH preparations on the number and function of Leydig cells in immature hypophysectomized rats. Journal of Endocrinology, 1989, 120, 97-NP.	2.6	109
9	Growth Factor Requirements for DNA Synthesis by Leydig Cells from the Immature Rat1. Biology of Reproduction, 1992, 46, 335-341.	2.7	107
10	Reduced recruitment and survival of primordial and growing follicles in GH receptor-deficient mice. Reproduction, 2006, 131, 525-532.	2.6	89
11	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
12	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
13	The role of luteinizing hormone in the pathogenesis of hyperadrenocorticism in neutered ferrets. Molecular and Cellular Endocrinology, 2002, 197, 117-125.	3.2	76
14	Immunoexpression of the Steroidogenic Enzymes 3-Beta Hydroxysteroid Dehydrogenase and 17 Î±-hydroxylase, C17,20 Lyase and the Receptor for Luteinizing Hormone (LH) in the Fetal Rat Testis Suggests That the Onset of Leydig Cell Steroid Production Is Independent of LH Action1. Biology of Reproduction, 1998, 58, 520-525.	2.7	63
15	Estrous cycle dependent changes in expression and distribution of Fas, Fas ligand, Bcl-2, Bax, and pro- and active caspase-3 in the rat ovary. Journal of Endocrinology, 2006, 188, 179-192.	2.6	62
16	Proliferation and differentiation of possible Leydig cell precursors after destruction of the existing Leydig cells with ethane dimethyl sulphonate: the role of LH/human chorionic gonadotrophin. Journal of Endocrinology, 1989, 122, 689-NP.	2.6	61
17	Immunohistochemical detection of transforming growth factor-Î± in Leydig cells during the development of the rat testis. Molecular and Cellular Endocrinology, 1990, 69, R1-R6.	3.2	59
18	Homozygous mutation within the conserved Ala-Phe-Asn-Glu-Thr motif of exon 7 of the LH receptor causes male pseudohermaphroditism. European Journal of Endocrinology, 2002, 147, 597-608.	3.7	59

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19	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
20	Proper Application of Antibodies for Immunohistochemical Detection: Antibody Crimes and How to Prevent Them. Endocrinology, 2014, 155, 676-687.	2.8	56
21	Identification of Markers for Precursor and Leydig Cell Differentiation in the Adult Rat Testis Following Ethane Dimethyl Sulphonate Administration1. Biology of Reproduction, 1999, 60, 1437-1445.	2.7	54
22	The development of rat Leydig cell progenitors in vitro: how essential is luteinising hormone?. Journal of Endocrinology, 2007, 194, 579-593.	2.6	54
23	Development of a new Leydig cell population after the destruction of existing Leydig cells by ethane dimethane sulphonate in rats: an autoradiographic study. Journal of Endocrinology, 1990, 126, 229-NP.	2.6	51
24	Ageing, testicular tumours and the pituitary-testis axis in dogs. Journal of Endocrinology, 2000, 166, 153-161.	2.6	50
25	Effects of GnRH immunization in sexually mature pony stallions. Animal Reproduction Science, 2005, 86, 247-259.	1.5	48
26	Immunohistochemical localization of transforming growth factor-Î²1 and -Î²2 during follicular development in the adult rat ovary. Molecular and Cellular Endocrinology, 1992, 84, R7-R13.	3.2	47
27	Leydig Cell Apoptosis after the Administration of Ethane Dimethanesulfonate to the Adult Male Rat Is a Fas-Mediated Process*. Endocrinology, 1999, 140, 3797-3804.	2.8	47
28	Fas-Induced Apoptosis in Rat Thecal/Interstitial Cells Signals Through Sphingomyelin-Ceramide Pathway*. Endocrinology, 1998, 139, 2041-2047.	2.8	46
29	Preantral follicular atresia occurs mainly through autophagy, while antral follicles degenerate mostly through apoptosis. Biology of Reproduction, 2018, 99, 853-863.	2.7	44
30	Cadmium kinetics in freshwater clams. II. A comparative study of cadmium uptake and cellular distribution in the UnionidaeAnodonta cygnea, Anodonta anatina, andUnio pictorum. Archives of Environmental Contamination and Toxicology, 1986, 15, 9-21.	4.1	41
31	Immunohistochemical Localization of 3-Hydroxysteroid Dehydrogenase in the Rat Ovary during Follicular Development and Atresia1. Biology of Reproduction, 1993, 49, 989-996.	2.7	41
32	In vitro effects of ethylene-dimethane sulfonate (EDS) on Leydig cells: inhibition of steroid production and cytotoxic effects are dependent on species and age of rat. Molecular and Cellular Endocrinology, 1988, 55, 87-94.	3.2	38
33	Turnover Time of Leydig Cells and Other Interstitial Cells in Testes of Adult Rats. Archives of Andrology, 1989, 23, 105-111.	1.0	38
34	Induction of apoptosis in thecal/interstitial cells: action of transforming growth factor (TGF) alpha plus TGF beta on bcl-2 and interleukin-1 beta-converting enzyme. Journal of Endocrinology, 1998, 157, 489-494.	2.6	35
35	Sterol carrier protein 2 (non-specific lipid transfer protein) is localized in membranous fractions of Leydig cells and Sertoli cells but not in germ cells. Lipids and Lipid Metabolism, 1992, 1124, 288-296.	2.6	33
36	Regulation of Transforming Growth Factor a Gene Expression in an Ovarian Surface Epithelial Cell Line Derived from a Human Carcinoma1. Biology of Reproduction, 1995, 52, 1027-1037.	2.7	32

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37	Immunolocalization of Transforming Growth Factor a and Luteinizing Hormone Receptor in Healthy and Atretic Follicles of the Adult Rat Ovary1. Biology of Reproduction, 1995, 52, 500-508.	2.7	32
38	The endocrine disruptors dibutyl phthalate (DBP) and diethylstilbestrol (DES) influence Leydig cell regeneration following ethane dimethane sulphonate treatment of adult male rats. Journal of Developmental and Physical Disabilities, 2012, 35, 353-363.	3.6	31
39	Increased protein expression of LHCG receptor and 17Â-hydroxylase/17-20-lyase in human polycystic ovaries. Human Reproduction, 2013, 28, 3086-3092.	0.9	31
40	Functional properties of developing rat Leydig cells after treatment with ethylene dimethanesulphonate (EDS). Reproduction, 1988, 84, 63-69.	2.6	30
41	Presence of anti-MÃ¼llerian hormone (AMH) during follicular development in the porcine ovary. PLoS ONE, 2018, 13, e0197894.	2.5	29
42	Development, DNA fragmentation and cell death in porcine embryos after 24 h storage under different conditions. Theriogenology, 2004, 61, 147-158.	2.1	28
43	Induction of apoptosis in rat thecal/interstitial cells by transforming growth factor Î± plus transforming growth factor Î² in vitro. Journal of Endocrinology, 1997, 153, 169-178.	2.6	26
44	Prolonged hypothyroidism severely reduces ovarian follicular reserve in adult rats. Journal of Ovarian Research, 2017, 10, 19.	3.0	26
45	Consequences of negative energy balance on follicular development and oocyte quality in primiparous sowsâ€. Biology of Reproduction, 2020, 102, 388-398.	2.7	26
46	Role of Fas-Mediated Apoptosis and Follicle-Stimulating Hormone on the Developmental Capacity of Bovine Cumulus Oocyte Complexes In Vitro1. Biology of Reproduction, 2004, 71, 790-796.	2.7	25
47	Knockout of the Bcmo1 gene results in an inflammatory response in female lung, which is suppressed by dietary beta-carotene. Cellular and Molecular Life Sciences, 2010, 67, 2039-2056.	5.4	25
48	Dietaryâ€Induced Hyperthyroidism Marginally Affects Neonatal Testicular Development. Journal of Andrology, 2008, 29, 643-653.	2.0	24
49	Transforming growth factor beta production during rat cytomegalovirus infection.. Journal of General Virology, 1997, 78, 205-213.	2.9	24
50	Luteinizing hormone inhibits Fas-induced apoptosis in ovarian surface epithelial cell lines. Journal of Endocrinology, 2006, 188, 227-239.	2.6	23
51	Expression of the insulin-like growth factor (IGF) system and steroidogenic enzymes in canine testis tumors. Reproductive Biology and Endocrinology, 2003, 1, 22.	3.3	22
52	Dietary-Induced Chronic Hypothyroidism Negatively Affects Rat Follicular Development and Ovulation Rate and Is Associated with Oxidative Stress1. Biology of Reproduction, 2016, 94, 90.	2.7	22
53	Amplification of R-spondin1 signaling induces granulosa cell fate defects and cancers in mouse adult ovary. Oncogene, 2017, 36, 208-218.	5.9	20
54	Effects of Bisphenol A on reproductive toxicity and gut microbiota dysbiosis in male rats. Ecotoxicology and Environmental Safety, 2022, 239, 113623.	6.0	20

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55	Expression of receptors for luteinizing hormone, gastric-inhibitory polypeptide, and vasopressin in normal adrenal glands and cortisol-secreting adrenocortical tumors in dogs. Domestic Animal Endocrinology, 2010, 39, 63-75.	1.6	19
56	Thermoneutrality results in prominent dietâ€induced body weight differences in C57BL/6J mice, not paralleled by dietâ€induced metabolic differences. Molecular Nutrition and Food Research, 2014, 58, 799-807.	3.3	19
57	Primary human testicular PDGFRÎ±+ cells are multipotent and can be differentiated into cells with Leydig cell characteristics in vitro. Human Reproduction, 2019, 34, 1621-1631.	0.9	19
58	Characteristics of Circular RNA Expression Profiles of Porcine Granulosa Cells in Healthy and Atretic Antral Follicles. International Journal of Molecular Sciences, 2020, 21, 5217.	4.1	19
59	Transcriptome Analysis of Porcine Granulosa Cells in Healthy and Atretic Follicles: Role of Steroidogenesis and Oxidative Stress. Antioxidants, 2021, 10, 22.	5.1	19
60	hCG-induced changes in LH/CG receptor mRNA transcript levels in the testis of adult hypophysectomized, ethane dimethyl sulphonate-treated rats. Molecular and Cellular Endocrinology, 1994, 105, 37-44.	3.2	18
61	Prenatal induced chronic dietary hypothyroidism delays but does not block adult-type Leydig cell development. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E305-E314.	3.5	18
62	Follicular fluid steroid profile in sows: relationship to follicle size and oocyte qualityâ€. Biology of Reproduction, 2020, 102, 740-749.	2.7	18
63	Steroidogenesis-inducing protein promotes deoxyribonucleic acid synthesis in Leydig cells from immature rats.. Endocrinology, 1992, 130, 599-606.	2.8	17
64	Effect of a Dopamine agoniste on the development of Leydig cellhyperplasia in Sprague-Dawley rats. Toxicology and Applied Pharmacology, 1996, 141, 169-177.	2.8	17
65	Rat testicular germ cells and Sertoli cells release different types of bioactive transforming growth factor beta in vitro. Reproductive Biology and Endocrinology, 2003, 1, 3.	3.3	17
66	Dynamics of Leydig Cell Regeneration After EDS. , 2007, , 91-116.		17
67	Transplantation and Subsequent Recovery of Small Amounts of Isolated Leydig Cells. Archives of Andrology, 1989, 22, 123-129.	1.0	15
68	Follicular development of sows at weaning in relation to estimated breeding value for within-litter variation in piglet birth weight. Animal, 2019, 13, 554-563.	3.3	14
69	Leydig Cell Apoptosis after the Administration of Ethane Dimethanesulfonate to the Adult Male Rat Is a Fas-Mediated Process. Endocrinology, 1999, 140, 3797-3804.	2.8	14
70	Effects of hypophysectomy and human chorionic gonadotrophin on Leydig cell function in mature rats. Journal of Endocrinology, 1990, 126, 367-NP.	2.6	12
71	Assuring safety without animal testing: The case for the human testis in vitro. Reproductive Toxicology, 2013, 39, 63-68.	2.9	12
72	Effects of birthweight on reproductive system development and onset of puberty in gilts. Reproduction, Fertility and Development, 2017, 29, 254.	0.4	12

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73	Irregularly shaped inclusion cysts display increased expression of Ki67, Fas, Fas ligand, and procaspase-3 but relatively little active caspase-3. International Journal of Gynecological Cancer, 2006, 16, 231-239.	2.5	11
74	Gender specific differences in the liver proteome of rats exposed to short term and low-concentration hexabromocyclododecane (HBCD). Toxicology Research, 2016, 5, 1273-1283.	2.1	11
75	Transient Hypothyroidism: Dual Effect on Adult-Type Leydig Cell and Sertoli Cell Development. Frontiers in Physiology, 2017, 8, 323.	2.8	11
76	A comparative analysis of human adult testicular cells expressing stem Leydig cell markers in the interstitium, vasculature, and peritubular layer. Andrology, 2020, 8, 1265-1276.	3.5	11
77	Time course and role of luteinizing hormone and follicleâ€stimulating hormone in the expansion of the Leydig cell population at the time of puberty in the rhesus monkey (Macaca mulatta). Andrology, 2014, 2, 924-930.	3.5	10
78	Characterization of Long Non-Coding RNA Profiles in Porcine Granulosa Cells of Healthy and Atretic Antral Follicles: Implications for a Potential Role in Apoptosis. International Journal of Molecular Sciences, 2021, 22, 2677.	4.1	9
79	Leydig cell number and function in the adult cynomolgus monkey (Macaca fascicularis) is increased by daily hCG treatment but not by daily FSH treatment. Reproduction, 1989, 87, 141-146.	2.6	8
80	In ovaries with high or low variation in follicle size, granulosa cells of antral follicles exhibit distinct size-related processes. Molecular Human Reproduction, 2019, 25, 614-624.	2.8	8
81	Steroidogenesis-inducing protein interacts with transforming growth factor-Î² to stimulate DNA synthesis in rat granulosa cells. Molecular and Cellular Endocrinology, 1992, 89, 97-103.	3.2	7
82	Oncostatin-M inhibits luteinizing hormone stimulated Leydig cell progenitor formation in vitro. Reproductive Biology and Endocrinology, 2007, 5, 43.	3.3	7
83	Multiple regulation of testicular steroidogenesis. The Journal of Steroid Biochemistry, 1987, 27, 309-316.	1.1	6
84	Arthrospira (Spirulina) platensis supplementation affects folliculogenesis, progesterone and ghrelin levels in fattening pre-pubertal gilts. Journal of Applied Phycology, 2018, 30, 445-452.	2.8	6
85	Polar effects of concanavalin A on the cortical cytoskeleton of a molluscan egg (Nassarius) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.2	5
86	Pseudo-Starvation Driven Energy Expenditure Negatively Affects Ovarian Follicle Development. International Journal of Molecular Sciences, 2021, 22, 3557.	4.1	5
87	Hormone-induced resistance of rat Leydig cells to the cytotoxic effects of ethane-1,2-dimethane sulphonate. Journal of Endocrinology, 1992, 134, 85-NP.	2.6	4
88	Hexadecylphosphocholine causes rapid cell death in canine mammary tumour cells. European Journal of Pharmacology, 2004, 502, 185-193.	3.5	4
89	Leydig Cells. , 2018, , 30-38.		4
90	Steroid profile of porcine follicular fluid and blood serum: Relation with follicular development. Physiological Reports, 2019, 7, e14320.	1.7	4

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91	Regulation of DNA Synthesis in Leydig Cells. , 1994, , 151-166.		4
92	Effect of a Dopamine Agoniston the Development of Leydig Cell Hyperplasia in Sprague–Dawley Rats. Toxicology and Applied Pharmacology, 1996, 141, 169-177.	2.8	4
93	Editorial: Non-coding RNAs in Reproductive Biology. Frontiers in Cell and Developmental Biology, 2021, 9, 712467.	3.7	3
94	Total ligation of the left renal vein in the dog: an inappropriate model for varicocele. Journal of Developmental and Physical Disabilities, 1991, 14, 348-358.	3.6	2
95	Cell lineage-specific inhibition of cytokinesis by concanavalin A in a molluscan embryo (Nassarius) Tj ETQq1 1 0.784314 rgBT /Overloc	1.2	2
96	Chronic hypothyroidism only marginally affects adult–type Leydig cell regeneration after EDS administration. Journal of Developmental and Physical Disabilities, 2010, 33, e123-31.	3.6	2
97	Polar effects of concanavalin A on the plasma membrane/cytoskeleton complex in a molluscan egg. Cell Biology International Reports, 1984, 8, 901.	0.6	1
98	Polar effects of concanavalin A on the plasma membrane/cytoskeleton complex in a molluscan egg. Cell Biology International Reports, 1984, 8, 537.	0.6	0
99	Proliferation and Differentiation of Leydig Cells in the Rat Testis. Annals of the New York Academy of Sciences, 1987, 513, 344-346.	3.8	0
100	Thyroid hormone transporters during testicular development in rodents. Experimental and Clinical Endocrinology and Diabetes, 2013, 121, .	1.2	0
101	Reduced fetal androgen exposure compromises Leydig cell function in adulthood. Asian Journal of Andrology, 2015, 17, 219.	1.6	0