

Testicular macrophage modulation of Leydig cell steroidogenesis

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Characterization of cell- and region-specific abnormalities in the epididymis of cathepsin a deficient mice. <i>Molecular Reproduction and Development</i> , 2003, 66, 358-373.	1.0	14
2	Involvement of Tumor Necrosis Factor- $\hat{\pm}$ in the Pathogenesis of Autoimmune Orchitis in Rats1. <i>Biology of Reproduction</i> , 2003, 68, 2114-2121.	1.2	99
3	A switch from continuous to episodic testicular testosterone release in response to pulsatile LH stimulation in juvenile rhesus monkeys (<i>Macaca mulatta</i>). <i>Journal of Endocrinology</i> , 2004, 183, 61-68.	1.2	4
4	Molecular Mechanism of Suppression of Testicular Steroidogenesis by Proinflammatory Cytokine Tumor Necrosis Factor Alpha. <i>Molecular and Cellular Biology</i> , 2004, 24, 2593-2604.	1.1	260
5	Flow cytometry based techniques to study testicular acidophilic granulocytes from the protandrous fish gilthead seabream (<i>Sparus aurata</i> L.). <i>Biological Procedures Online</i> , 2004, 6, 129-136.	1.4	6
6	The role of tumor necrosis factor-alpha and interleukin-1 in the mammalian testis and their involvement in testicular torsion and autoimmune orchitis. <i>Reproductive Biology and Endocrinology</i> , 2004, 2, 9.	1.4	112
7	Cell Biology of Leydig Cells in the Testis. <i>International Review of Cytology</i> , 2004, 233, 181-241.	6.2	285
8	Neonatal lead exposure changes quality of sperm and number of macrophages in testes of BALB/c mice. <i>Toxicology</i> , 2005, 210, 247-256.	2.0	26
9	Mitochondrial Function in Leydig Cell Steroidogenesis. <i>Annals of the New York Academy of Sciences</i> , 2005, 1061, 120-134.	1.8	125
10	Ultrastructure of testicular macrophages in aging mice. <i>Journal of Morphology</i> , 2005, 263, 39-46.	0.6	32
11	Histiocyte function and development in the normal immune system. , 2005, , 40-65.		6
12	Sertoli Cell-Somatic Cell Interactions. , 2005, , 317-328.		5
13	Stimulation of Steroidogenesis in Immature Rat Leydig Cells Evoked by Interleukin-1 $\hat{\pm}$ Is Potentiated by Growth Hormone and Insulin-Like Growth Factors. <i>Endocrinology</i> , 2005, 146, 221-230.	1.4	38
14	Phenotypic characterization of the immune and mast cell infiltrates in the human testis shows normal and abnormal spermatogenesis. <i>Fertility and Sterility</i> , 2005, 83, 1447-1453.	0.5	61
15	Regulation of activin A and inhibin B secretion by inflammatory mediators in adult rat Sertoli cell cultures. <i>Journal of Endocrinology</i> , 2005, 187, 125-134.	1.2	44
16	Energized, Polarized, and Actively Respiring Mitochondria Are Required for Acute Leydig Cell Steroidogenesis. <i>Endocrinology</i> , 2006, 147, 3924-3935.	1.4	113
17	Immunophysiology of the Male Reproductive Tract. , 2006, , 1195-1286.		23
18	Immunobiology of Human Pregnancy. , 2006, , 2759-2785.		8

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19	Physiologic Interactions Between Macrophages and Leydig Cells. <i>Experimental Biology and Medicine</i> , 2006, 231, 1-7.	1.1	103
20	Pituitaryâ€™gonadal hormones and interleukin patterns in leprosy. <i>Tropical Medicine and International Health</i> , 2006, 11, 1416-1421.	1.0	14
21	H2O2 at physiological concentrations modulates Leydig cell function inducing oxidative stress and apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 39-46.	2.2	71
22	Ultrastructure of cell contacts of fetal and adult Leydig cells in the rat: a systematic study from birth to senium. <i>Anatomy and Embryology</i> , 2006, 211, 273-282.	1.5	7
23	Anabolic Deficiency in Men With Chronic Heart Failure. <i>Circulation</i> , 2006, 114, 1829-1837.	1.6	346
24	Testicular Gene Expression Profiling following Prepubertal Rat Mono-(2-ethylhexyl) Phthalate Exposure Suggests a Common Initial Genetic Response at Fetal and Prepubertal Ages. <i>Toxicological Sciences</i> , 2006, 93, 369-381.	1.4	50
25	Meiosis in Autologous Ectopic Transplants of Immature Testicular Tissue Grafted to Callithrix jacchus1. <i>Biology of Reproduction</i> , 2006, 74, 706-713.	1.2	59
26	Cytology of the Testis and Intrinsic Control Mechanisms. , 2006, , 827-947.		53
27	Cyclooxygenases in Rat Leydig Cells: Effects of Luteinizing Hormone and Aging. <i>Endocrinology</i> , 2007, 148, 735-742.	1.4	33
28	Members of the Toll-Like Receptor Family of Innate Immunity Pattern-Recognition Receptors Are Abundant in the Male Rat Reproductive Tract1. <i>Biology of Reproduction</i> , 2007, 76, 958-964.	1.2	105
29	Identification of a novel mammalian post-translational modification, phosphocholine, on placental secretory polypeptides. <i>Journal of Molecular Endocrinology</i> , 2007, 39, 189-198.	1.1	36
31	In vitro culture of testicular germ cells: Regulatory factors and limitations. <i>Growth Factors</i> , 2007, 25, 236-252.	0.5	52
32	Testicular involution prior to sex change in gilthead seabream is characterized by a decrease in DMRT1 gene expression and by massive leukocyte infiltration. <i>Reproductive Biology and Endocrinology</i> , 2007, 5, 20.	1.4	67
33	Organization and quantification of the elements in the intertubular space in the adult jaguar testis (<i>Panthera onca</i> , LINNAEUS, 1758). <i>Micron</i> , 2008, 39, 1166-1170.	1.1	9
34	Paracrine role of testicular macrophages in control of Leydig cell activities in the wall lizard, <i>Hemidactylus flaviviridis</i> . <i>General and Comparative Endocrinology</i> , 2008, 156, 44-50.	0.8	14
35	Oxidative Stress: A Common Factor in Testicular Dysfunction. <i>Journal of Andrology</i> , 2008, 29, 488-498.	2.0	444
36	Hypoxiaâ€™inducible Factorâ€™1 \pm Is Constitutively Expressed in Murine Leydig Cells and Regulates 3 β -Hydroxysteroid Dehydrogenase Type 1 Promoter Activity. <i>Journal of Andrology</i> , 2009, 30, 146-156.	2.0	37
38	Pattern of expression of immune-relevant genes in the gonad of a teleost, the gilthead seabream (<i>Sparus aurata</i> L.)â€™. <i>Molecular Immunology</i> , 2008, 45, 2998-3011.	1.0	73

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39	Adiponectin and its receptors are expressed in the chicken testis: influence of sexual maturation on testicular ADIPOR1 and ADIPOR2 mRNA abundance. <i>Reproduction</i> , 2008, 136, 627-638.	1.1	65
40	Cytokine knockouts in reproduction: the use of gene ablation to dissect roles of cytokines in reproductive biology. <i>Human Reproduction Update</i> , 2008, 14, 179-192.	5.2	40
41	Nitric Oxide and Cyclic Nucleotides: Their Roles in Junction Dynamics and Spermatogenesis. <i>Oxidative Medicine and Cellular Longevity</i> , 2008, 1, 25-32.	1.9	30
42	Effects of heme oxygenase isozymes on Leydig cells steroidogenesis. <i>Journal of Endocrinology</i> , 2009, 203, 155-165.	1.2	9
43	Involvement of Nitric Oxide Synthase in the Mechanism of Histamine-Induced Inhibition of Leydig Cell Steroidogenesis via Histamine Receptor Subtypes in Sprague-Dawley Rats1. <i>Biology of Reproduction</i> , 2009, 80, 144-152.	1.2	36
44	Donor Sertoli cells transplanted into irradiated rat testes stimulate partial recovery of endogenous spermatogenesis. <i>Reproduction</i> , 2009, 137, 497-508.	1.1	30
45	Paracrine role of macrophage produced-nitric oxide (NO) in Leydig cell steroidogenesis in a teleost, <i>Clarias batrachus</i> : Impact of gonadotropin, growth hormone and insulin on NO production by testicular macrophages. <i>General and Comparative Endocrinology</i> , 2009, 160, 12-18.	0.8	12
46	Low dose of 2,3,7,8 tetrachlorodibenzo-p-dioxin induces testicular oxidative stress in adult rats under the influence of corticosterone. <i>Experimental and Toxicologic Pathology</i> , 2009, 61, 415-423.	2.1	31
47	Cytokines and chemokines in testicular inflammation: A brief review. <i>Microscopy Research and Technique</i> , 2009, 72, 620-628.	1.2	168
48	Localization of plasma membrane bound NTPDases in the murine reproductive tract. <i>Histochemistry and Cell Biology</i> , 2009, 131, 615-628.	0.8	63
49	Endocrine dysfunction in leprosy. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2009, 28, 1-7.	1.3	27
50	Effects of scrotal hyperthermia on Leydig cells in long-term: a histological, immunohistochemical and ultrastructural study in rats. <i>Journal of Molecular Histology</i> , 2009, 40, 123-130.	1.0	26
51	Leydig cell aging and the mechanisms of reduced testosterone synthesis. <i>Molecular and Cellular Endocrinology</i> , 2009, 299, 23-31.	1.6	164
52	Leydig cells: From stem cells to aging. <i>Molecular and Cellular Endocrinology</i> , 2009, 306, 9-16.	1.6	224
53	Mitochondrial functionality in reproduction: from gonads and gametes to embryos and embryonic stem cells. <i>Human Reproduction Update</i> , 2009, 15, 553-572.	5.2	381
54	Modulation of Steroidogenic Enzymes in Murine Lymphoid Organs After Immune Activation. <i>Immunological Investigations</i> , 2009, 38, 14-30.	1.0	3
55	Testosterone-Induced Modulation of Nitric Oxide-cGMP Signaling Pathway and Androgenesis in the Rat Leydig Cells1. <i>Biology of Reproduction</i> , 2010, 83, 434-442.	1.2	54
56	Dietary vitamin K alleviates the reduction in testosterone production induced by lipopolysaccharide administration in rat testis. <i>Food and Function</i> , 2011, 2, 406.	2.1	12

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57	Toll-like receptors and signalling in spermatogenesis and testicular responses to inflammation—a perspective. <i>Journal of Reproductive Immunology</i> , 2011, 88, 130-141.	0.8	72
58	Upregulation of TLR1, TLR2, TLR4, and IRAK-2 Expression During ML-1 Cell Differentiation to Macrophages: Role in the Potentiation of Cellular Responses to LPS and LTA. <i>ISRN Oncology</i> , 2012, 2012, 1-10.	2.1	4
59	Sickling Cells, Cyclic Nucleotides, and Protein Kinases: The Pathophysiology of Urogenital Disorders in Sickle Cell Anemia. <i>Anemia</i> , 2012, 2012, 1-13.	0.5	12
60	Age dependent expression of melatonin membrane receptor (MT1, MT2) and its role in regulation of nitrosative stress in tropical rodent <i>Funambulus pennanti</i> . <i>Free Radical Research</i> , 2012, 46, 194-203.	1.5	18
61	Sex Steroids Modulate Fish Immune Response. , 2012, , .		4
62	The effect of long-term high heavy metal intake on lipid peroxidation of gastrointestinal tissue in sheep. <i>Veterinari Medicina</i> , 2005, 50, 401-405.	0.2	17
63	The association between inflammation-related genes and serum androgen levels in men: The prostate, lung, colorectal, and ovarian study. <i>Prostate</i> , 2012, 72, 65-71.	1.2	8
64	The Effects of Anti-TNF- α Antibody on Hyperprolactinemia-Related Suppression of hCG-Induced Testosterone Release in Male Rats. <i>Journal of Sexual Medicine</i> , 2012, 9, 1005-1014.	0.3	4
65	Expression of inducible nitric oxide synthase (iNOS) in the azoospermic human testis. <i>Andrologia</i> , 2012, 44, 654-660.	1.0	19
66	Gonadal ER α , AR and TRPV1 gene expression: Modulation by pain and morphine treatment in male and female rats. <i>Physiology and Behavior</i> , 2013, 110-111, 80-86.	1.0	13
67	Transcriptomic profiling of progesterone in the male fathead minnow (<i>Pimephales promelas</i>) testis. <i>General and Comparative Endocrinology</i> , 2013, 192, 115-125.	0.8	23
68	Characterisation of macaque testicular leucocyte populations and T-lymphocyte immunity. <i>Journal of Reproductive Immunology</i> , 2013, 100, 146-156.	0.8	28
69	Existence of a nitric oxide synthase/nitric oxide system in fish testis and its role in modulation of androgenesis. <i>Fish Physiology and Biochemistry</i> , 2013, 39, 65-69.	0.9	9
70	Effects of moderate exercise over different phases on age-related physiological dysfunction in testes of SAMP8 mice. <i>Experimental Gerontology</i> , 2013, 48, 869-880.	1.2	46
71	A possible correlation between the testicular structure and short photoperiod exposure in young albino rats. <i>Egyptian Journal of Histology</i> , 2013, 36, 28-38.	0.0	9
72	Preventive effect of tert-butylhydroquinone on scrotal heat-induced damage in mouse testes. <i>Genetics and Molecular Research</i> , 2013, 12, 5433-5441.	0.3	11
73	Effects of prenatal and lactation nicotine exposure on rat testicular interstitial tissue. <i>Andrology</i> , 2014, 2, 175-185.	1.9	17
74	Macrophages and Leydig Cells in Testicular Biopsies of Azoospermic Men. <i>BioMed Research International</i> , 2014, 2014, 1-14.	0.9	27

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75	Intercellular adhesion molecule 1: Recent findings and new concepts involved in mammalian spermatogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2014, 29, 43-54.	2.3	20
76	Stromal regulation of embryonic and postnatal mammary epithelial development and differentiation. <i>Seminars in Cell and Developmental Biology</i> , 2014, 25-26, 43-51.	2.3	37
77	Tert-butylhydroquinone attenuates scrotal heat-induced damage by regulating Nrf2-antioxidant system in the mouse testis. <i>General and Comparative Endocrinology</i> , 2014, 208, 12-20.	0.8	12
78	Sertoli cells control peritubular myoid cell fate and support adult Leydig cell development in the prepubertal testis. <i>Development (Cambridge)</i> , 2014, 141, 2139-2149.	1.2	110
79	The immune privilege of testis and gravid uterus: Same difference?. <i>Molecular and Cellular Endocrinology</i> , 2014, 382, 509-520.	1.6	38
80	Bacterial lipopolysaccharide differently modulates steroidogenic enzymes gene expressions in the brain and testis in rats. <i>Neuroscience Research</i> , 2014, 83, 81-88.	1.0	14
81	Oestrogen action and male fertility: experimental and clinical findings. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 3915-3930.	2.4	17
82	HDAC7 modulates TNF- α -mediated suppression of Leydig cell steroidogenesis. <i>Molecular and Cellular Biochemistry</i> , 2015, 406, 83-90.	1.4	6
83	TNF- α -mediated suppression of Leydig cell steroidogenesis involves DAX-1. <i>Inflammation Research</i> , 2015, 64, 549-556.	1.6	21
84	Perspectives in Pediatric Pathology, Chapter 4. Pubertal and Adult Testis. <i>Pediatric and Developmental Pathology</i> , 2015, 18, 187-202.	0.5	2
85	The Immunophysiology of Male Reproduction. , 2015, , 805-892.		31
86	Chronic alcohol administration causes expression of calprotectin and RAGE altering the distribution of zinc ions in mouse testis. <i>Systems Biology in Reproductive Medicine</i> , 2015, 61, 18-25.	1.0	3
87	Steroidogenic fate of the Leydig cells that repopulate the testes of young and aged Brown Norway rats after elimination of the preexisting Leydig cells. <i>Experimental Gerontology</i> , 2015, 72, 8-15.	1.2	22
88	Secondary Biliary Cholestasis Promotes Testicular Macrophage Infiltration and Autophagy in Rats. <i>American Journal of Reproductive Immunology</i> , 2015, 73, 301-312.	1.2	6
89	Molecular regulation of steroidogenesis in endocrine Leydig cells. <i>Steroids</i> , 2015, 103, 3-10.	0.8	137
90	Testicular Development. , 2015, , 567-594.		11
91	Cyanidin-3-O-Glucoside Protects against 1,3-Dichloro-2-Propanol-Induced Reduction of Progesterone by Up-regulation of Steroidogenic Enzymes and cAMP Level in Leydig Cells. <i>Frontiers in Pharmacology</i> , 2016, 7, 399.	1.6	13
92	Metabolic syndrome is associated with increased seminal inflammatory cytokines and reproductive dysfunction in a case-controlled male cohort. <i>American Journal of Reproductive Immunology</i> , 2016, 76, 155-163.	1.2	46

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93	Mapping the testicular interstitial fluid proteome from normal rats. <i>Proteomics</i> , 2016, 16, 2391-2402.	1.3	14
94	Spermiophages on testicular fine needle aspiration cytology: A rare finding. <i>Diagnostic Cytopathology</i> , 2016, 44, 232-234.	0.5	0
95	Modulatory effect of cadmium on the expression of phospholipase A2 and proinflammatory genes in rat testis. <i>Environmental Toxicology</i> , 2016, 31, 1176-1184.	2.1	11
96	Overweight male juvenile rats exhibit decreases in sexual behavior and serum testosterone levels and an increase in TNF- α levels in adulthood. <i>Psychology and Neuroscience</i> , 2016, 9, 188-197.	0.5	3
97	Prepubertal onset of obesity negatively impacts on testicular steroidogenesis in rats. <i>Molecular and Cellular Endocrinology</i> , 2016, 437, 154-162.	1.6	23
98	Cell interactions and genetic regulation that contribute to testicular Leydig cell development and differentiation. <i>Molecular Reproduction and Development</i> , 2016, 83, 470-487.	1.0	30
99	Acetamidiprid inhibits testosterone synthesis by affecting the mitochondrial function and cytoplasmic adenosine triphosphate production in rat Leydig cells. <i>Biology of Reproduction</i> , 2017, 96, 254-265.	1.2	20
100	Gut Endotoxin Leading to a Decline IN Gonadal function (GELDING) - a novel theory for the development of late onset hypogonadism in obese men. <i>Basic and Clinical Andrology</i> , 2016, 26, 7.	0.8	42
101	Origin and Differentiation of Androgen-Producing Cells in the Gonads. <i>Results and Problems in Cell Differentiation</i> , 2016, 58, 101-134.	0.2	13
102	Molecular Mechanisms of Cell Differentiation in Gonad Development. <i>Results and Problems in Cell Differentiation</i> , 2016, , .	0.2	10
103	Biology of the Sertoli Cell in the Fetal, Pubertal, and Adult Mammalian Testis. <i>Results and Problems in Cell Differentiation</i> , 2016, 58, 225-251.	0.2	41
104	Role of the steroidogenic acute regulatory protein in health and disease. <i>Endocrine</i> , 2016, 51, 7-21.	1.1	124
105	Pro-steroidogenic and pro-spermatogenic actions of nitric oxide (NO) on the catfish, <i>Clarias batrachus</i> : An in vivo study. <i>General and Comparative Endocrinology</i> , 2017, 242, 1-10.	0.8	16
106	Expression of adenosine 5'-monophosphate-Activated protein kinase (AMPK) in ovine testis (<i>Ovis aries</i>). <i>Tj ETQg1 1 0.784314 rsgB</i>	0.9	8
107	Plasma Cytokines Correlated With Disease Characteristics, Progression-Free Survival, and Overall Survival in Testicular Germ-Cell Tumor Patients. <i>Clinical Genitourinary Cancer</i> , 2017, 15, 411-416.e2.	0.9	23
108	Immunopathology of the Male Reproductive Tract. <i>Molecular and Integrative Toxicology</i> , 2017, , 479-539.	0.5	0
109	A high-fat diet impairs reproduction by decreasing the IL1 β level in mice treated at immature stage. <i>Scientific Reports</i> , 2017, 7, 567.	1.6	13
111	Oleanolic acid rejuvenates testicular function through attenuating germ cell DNA damage and apoptosis via deactivation of NF- κ B, p53 and p38 signalling pathways. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 69, 295-304.	1.2	20

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112	Morphological and morphometrical changes on adult Wistar rat testis caused by chronic sodium arsenite exposure. <i>Environmental Science and Pollution Research</i> , 2017, 24, 27905-27912.	2.7	18
113	Steroidogenesis in Leydig cells: effects of aging and environmental factors. <i>Reproduction</i> , 2017, 154, R111-R122.	1.1	173
114	A high-fat, high-protein diet attenuates the negative impact of casein-induced chronic inflammation on testicular steroidogenesis and sperm parameters in adult mice. <i>General and Comparative Endocrinology</i> , 2017, 252, 48-59.	0.8	19
115	Histological alterations in Leydig cells and macrophages in azoospermic men. <i>Andrologia</i> , 2017, 49, e12714.	1.0	10
116	Histological and transcriptomic effects of 17 β -methyltestosterone on zebrafish gonad development. <i>BMC Genomics</i> , 2017, 18, 557.	1.2	52
117	Are There Relationships between Seminal Parameters and the Neutrophil-to-Lymphocyte Ratio or the Platelet-to-Lymphocyte Ratio?. <i>World Journal of Men's Health</i> , 2017, 35, 51.	1.7	7
118	Acrylamide disrupts the steroidogenic pathway in Leydig cells: possible mechanism of action. <i>Toxicological and Environmental Chemistry</i> , 2018, 100, 235-246.	0.6	13
119	Steroidogenesis decline accompanied with reduced antioxidation and endoplasmic reticulum stress in mice testes during ageing. <i>Andrologia</i> , 2018, 50, e12816.	1.0	24
120	Sperm DNA fragmentation as a result of ultra-endurance exercise training in male athletes. <i>Andrologia</i> , 2018, 50, e12793.	1.0	28
121	Endotoxin-initiated inflammation reduces testosterone production in men of reproductive age. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E206-E213.	1.8	56
122	Sexual behavior and testis morphology in the BACHD rat model. <i>PLoS ONE</i> , 2018, 13, e0198338.	1.1	8
123	Effects of lipopolysaccharide-induced inflammation on hypoxia and inflammatory gene expression pathways of the rat testis. <i>Basic and Clinical Andrology</i> , 2018, 28, 14.	0.8	17
124	Soy protein isolate feeding does not result in reproductive toxicity in the pre-pubertal rat testis. <i>Experimental Biology and Medicine</i> , 2018, 243, 695-707.	1.1	4
125	Epididymal more than testicular abnormalities are associated with the occurrence of antisperm antibodies as evaluated by the MAR test. <i>Human Reproduction</i> , 2018, 33, 1417-1429.	0.4	30
126	In vitro chemokine (C-C motif) receptor 6-dependent non-inflammatory chemotaxis during spermatogenesis. <i>Biological Research</i> , 2018, 51, 12.	1.5	7
127	The in vitro modulation of steroidogenesis by inflammatory cytokines and insulin in TM3 Leydig cells. <i>Reproductive Biology and Endocrinology</i> , 2018, 16, 26.	1.4	57
128	Ageing and inflammation in the male reproductive tract. <i>Andrologia</i> , 2018, 50, e13034.	1.0	38
129	Retinoic acid receptor signaling is necessary in steroidogenic cells for normal spermatogenesis and epididymal function. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	21

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130	Hematogenous dissemination of <i>Chlamydia muridarum</i> from the urethra in macrophages causes testicular infection and sperm DNA damage. <i>Biology of Reproduction</i> , 2019, 101, 748-759.	1.2	25
131	Obesity and metabolic syndrome associated with systemic inflammation and the impact on the male reproductive system. <i>American Journal of Reproductive Immunology</i> , 2019, 82, e13178.	1.2	65
132	Activation of the NLRP3 Inflammasome Pathway by Prokineticin 2 in Testicular Macrophages of Uropathogenic <i>Escherichia coli</i> - Induced Orchitis. <i>Frontiers in Immunology</i> , 2019, 10, 1872.	2.2	27
133	Aging and the Male Reproductive System. <i>Endocrine Reviews</i> , 2019, 40, 906-972.	8.9	85
134	Proposed Key Characteristics of Male Reproductive Toxicants as an Approach for Organizing and Evaluating Mechanistic Evidence in Human Health Hazard Assessments. <i>Environmental Health Perspectives</i> , 2019, 127, 65001.	2.8	59
135	CREBZF regulates testosterone production in mouse Leydig cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 22819-22832.	2.0	8
136	Resveratrol and dimethyl fumarate ameliorate testicular dysfunction caused by chronic unpredictable mild stress-induced depression in rats. <i>Archives of Biochemistry and Biophysics</i> , 2019, 665, 152-165.	1.4	28
137	The Effect of Macronutrients on Reproductive Hormones in Overweight and Obese Men: A Pilot Study. <i>Nutrients</i> , 2019, 11, 3059.	1.7	6
138	Physical activity counteracts metabolic syndrome-induced hypogonadotropic hypogonadism and erectile dysfunction in the rabbit. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E519-E535.	1.8	40
139	Association of C3953T transition in interleukin <i>11</i> gene with idiopathic male infertility in an Iranian population. <i>Human Fertility</i> , 2019, 22, 111-117.	0.7	27
140	Nonneoplastic Diseases of the Testis. , 2020, , 549-730.e81.		2
141	Comparative testis structure and function in three representative mice strains. <i>Cell and Tissue Research</i> , 2020, 382, 391-404.	1.5	7
142	Granulocyte-macrophage colony stimulating factor (GM-CSF) is fully expressed in the genital tract, seminal plasma and spermatozoa of male pigs. <i>Scientific Reports</i> , 2020, 10, 13360.	1.6	7
143	Testicular inflammation and infertility: Could chlamydial infections be contributing?. <i>American Journal of Reproductive Immunology</i> , 2020, 84, e13286.	1.2	11
144	Extra-adrenal glucocorticoid biosynthesis: implications for autoimmune and inflammatory disorders. <i>Genes and Immunity</i> , 2020, 21, 150-168.	2.2	93
145	ERO1 α promotes testosterone secretion in hCG-stimulated mouse Leydig cells via activation of the PI3K/AKT/mTOR signaling pathway. <i>Journal of Cellular Physiology</i> , 2020, 235, 5666-5678.	2.0	16
146	Varicocele and oxidative stress: New perspectives from animal and human studies. <i>Andrology</i> , 2021, 9, 546-558.	1.9	22
147	Microbiota-dependent expansion of testicular IL-17-producing V β 6+ β 17 T cells upon puberty promotes local tissue immune surveillance. <i>Mucosal Immunology</i> , 2021, 14, 242-252.	2.7	27

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148	Macrophage ubiquitin-specific protease 2 contributes to motility, hyperactivation, capacitation, and in vitro fertilization activity of mouse sperm. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 2929-2948.	2.4	11
149	The Good, the Bad and the Ugly of Testicular Immune Regulation: A Delicate Balance Between Immune Function and Immune Privilege. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1288, 21-47.	0.8	11
150	<i>Chlorella vulgaris</i> or <i>Spirulina platensis</i> mitigate lead acetate-induced testicular oxidative stress and apoptosis with regard to androgen receptor expression in rats. <i>Environmental Science and Pollution Research</i> , 2021, 28, 39126-39138.	2.7	12
151	The Mechanisms Involved in Obesity-Induced Male Infertility. <i>Current Diabetes Reviews</i> , 2021, 17, 259-267.	0.6	14
153	Immune and vascular contributions to organogenesis of the testis and ovary. <i>FEBS Journal</i> , 2022, 289, 2386-2408.	2.2	17
154	Heat stress response of somatic cells in the testis. <i>Molecular and Cellular Endocrinology</i> , 2021, 527, 111216.	1.6	27
155	Specific Transcriptomic Signatures and Dual Regulation of Steroidogenesis Between Fetal and Adult Mouse Leydig Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 695546.	1.8	19
156	The endocrine disrupting effects of sodium arsenite in the rat testis is not mediated through macrophage activation. <i>Reproductive Toxicology</i> , 2021, 102, 1-9.	1.3	2
157	Macrophage-Derived Cholesterol Contributes to Therapeutic Resistance in Prostate Cancer. <i>Cancer Research</i> , 2021, 81, 5477-5490.	0.4	48
158	The Association Between Dietary Inflammatory Potential and Sex Hormones in Male Children and Adolescents Aged 6â€“19 Years. <i>Frontiers in Endocrinology</i> , 2021, 12, 722941.	1.5	10
159	Seasonal changes of mitochondrial autophagy and oxidative response in the testis of the wild ground squirrels (<i>Spermophilus dauricus</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R625-R633.	0.9	5
160	Somatic-Immune Cells Crosstalk In-The-Making of Testicular Immune Privilege. <i>Reproductive Sciences</i> , 2022, 29, 2707-2718.	1.1	6
161	Mangiferin mitigates di-(2-ethylhexyl) phthalate-induced testicular injury in rats by modulating oxidative stress-mediated signals, inflammatory cascades, apoptotic pathways, and steroidogenesis. <i>Archives of Biochemistry and Biophysics</i> , 2021, 711, 108982.	1.4	8
162	Comparative transcriptome analysis reveals potential testosterone function-related regulatory genes/pathways of Leydig cells in immature and mature buffalo (<i>Bubalus bubalis</i>) testes. <i>Gene</i> , 2021, 802, 145870.	1.0	3
163	Nitric Oxide and Cyclic Nucleotides: Their Roles in Junction Dynamics and Spermatogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2009, 636, 172-185.	0.8	29
164	Structural and Histological Analysis of Leydig Cell Steroidogenic Function. , 2007, , 33-45.		8
165	Regulation of Leydig Cell Function as it Pertains to the Inflammatory Response. , 2007, , 305-321.		9
166	Transcription Factors as Regulators of Gene Expression During Leydig Cell Differentiation and Function. , 2007, , 333-343.		2

#	ARTICLE	IF	CITATIONS
167	Aging and the Decline of Androgen Production. , 2007, , 117-131.		11
168	Regulation of Leydig Cell Cholesterol Metabolism. , 2007, , 135-148.		10
169	Cytokines and Oxidative Stress in the Germ Line. , 2012, , 179-205.		5
170	Human Male Genital Tract Immunity and Experimental Models. , 2005, , 1647-1659.		14
171	Infection of Semen-Producing Organs by SIV during the Acute and Chronic Stages of the Disease. PLoS ONE, 2008, 3, e1792.	1.1	57
172	Diabetes Protects from Prostate Cancer by Downregulating Androgen Receptor: New Insights from LNCaP Cells and PAC120 Mouse Model. PLoS ONE, 2013, 8, e74179.	1.1	22
173	Adverse effects of metabolic disorders in childhood on adult reproductive function and fertility in the male. Journal of Pediatric Endocrinology and Metabolism, 2021, 34, 13-23.	0.4	4
174	Male Inflammatory Parameters Are not Useful to Predict the Outcomes of Intracytoplasmic Sperm Injection: Results from a Cross-Sectional Study. World Journal of Men's Health, 2019, 37, 347.	1.7	3
175	Testosterone deficiency in men with heart failure: pathophysiology and its clinical, prognostic and therapeutic implications. Kardiologia Polska, 2014, 72, 403-409.	0.3	7
176	Bacterial Infections Affect Male Fertility: A Focus on the Oxidative Stress-Autophagy Axis. Frontiers in Cell and Developmental Biology, 2021, 9, 727812.	1.8	15
177	Hypogonadism in Men With HIV-AIDS. , 2004, , 207-225.		0
178	Leukocytes and Cytokines Present in Fish Testis. , 2009, , 37-74.		1
179	Hypogonadism in leprosy males. Revista De CiÃ©ncias MÃ©dicas E BiolÃ³gicas, 2012, 11, 60.	0.0	0
180	Role of alcoholic extract of Rokat (Eruca sativa) leaves on male reproduction of experimentally induced-oxidative stressed rats. The Iraqi Journal of Veterinary Medicine, 2015, 39, 47-54.	0.0	2
181	Immune System. , 2017, , 365-381.		1
183	Structure and Physiology of the Testis. , 2008, , 3-21.		0
184	Clinical application of aromatase inhibitors to treat male infertility. Human Reproduction Update, 2021, 28, 30-50.	5.2	26
185	High Throughput scRNA-Seq Provides Insights Into Leydig Cell Senescence Induced by Experimental Autoimmune Orchitis: A Prominent Role of Interstitial Fibrosis and Complement Activation. Frontiers in Immunology, 2021, 12, 771373.	2.2	8

#	ARTICLE	IF	CITATIONS
186	Protective role of Cytochrome b5 and Neuroglobin against the Lipopolysaccharide (LPS)-induced inflammation in Leydig cells ex vivo. <i>Reproductive Biology</i> , 2022, 22, 100595.	0.9	5
189	Activation of Autophagy by Low-Dose Silica Nanoparticles Enhances Testosterone Secretion in Leydig Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3104.	1.8	8
190	Reduction of testosterone levels in <i>Schistosoma haematobium</i> - or <i>Schistosoma mansoni</i> -infected men: a cross-sectional study in two schistosomiasis-endemic areas of the Adamawa region of Cameroon. <i>BMC Infectious Diseases</i> , 2022, 22, 230.	1.3	2
191	Integrating sex and gender in mitochondrial science. <i>Current Opinion in Physiology</i> , 2022, 26, 100536.	0.9	3
193	Mechanism of Inflammatory Associated Impairment of Sperm Function, Spermatogenesis and Steroidogenesis. <i>Frontiers in Endocrinology</i> , 2022, 13, 897029.	1.5	23
194	Immune Cells as Critical Regulators of Steroidogenesis in the Testis and Beyond. <i>Frontiers in Endocrinology</i> , 2022, 13, 894437.	1.5	8
195	Hypertension Induces Gonadal Macrophage Imbalance, Inflammation, Lymphangiogenesis, and Dysfunction. <i>Clinical Science</i> , 2022, , .	1.8	1
197	Animal models of male reproductive ageing to study testosterone production and spermatogenesis. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2022, 23, 1341-1360.	2.6	7
198	Single-Cell Transcriptomics-Based Study of Transcriptional Regulatory Features in the Non-Obstructive Azoospermia Testis. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	5
199	Macrophages in the immune-endocrine milieu of reproductive tissues. , 2022, , 243-264.		0
200	Adipose Tissue Dysfunction and Obesity-Related Male Hypogonadism. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8194.	1.8	24
201	Expression of CSF1, AR, and SRD5A2 during Postnatal Development of the Boar Reproductive Tract. <i>Animals</i> , 2022, 12, 2167.	1.0	1
202	The Role of Adiponectin in the Resolution of Male-Obesity-Associated Secondary Hypogonadism after Metabolic Surgery and Its Impact on Cardiovascular Risk. <i>Biomedicines</i> , 2022, 10, 2000.	1.4	1
203	Germline cell de novo mutations and potential effects of inflammation on germline cell genome stability. <i>Seminars in Cell and Developmental Biology</i> , 2024, 154, 316-327.	2.3	1
204	Probiotic-prebiotic therapeutic potential: A new horizon of microbial biotherapy to reduce female reproductive complications. <i>PharmaNutrition</i> , 2023, 24, 100342.	0.8	1
205	Altered transcriptomic and metabolomic profiles of testicular interstitial fluid during aging in mice. <i>Theriogenology</i> , 2023, 200, 86-95.	0.9	1
206	Effect of Induced Pulmonary Arterial Hypertension on Testicular Parameters of Wistar Rats Subjected to Resistance Exercise Training. <i>Microscopy and Microanalysis</i> , 2023, 29, 635-648.	0.2	0
207	High SARS-CoV-2 tropism and activation of immune cells in the testes of non-vaccinated deceased COVID-19 patients. <i>BMC Biology</i> , 2023, 21, .	1.7	7

#	ARTICLE	IF	CITATIONS
208	The effects of alcohol on testosterone synthesis in men: a review. <i>Expert Review of Endocrinology and Metabolism</i> , 2023, 18, 155-166.	1.2	1
209	Testicular macrophages are recruited during a narrow fetal time window and promote organ-specific developmental functions. <i>Nature Communications</i> , 2023, 14, .	5.8	5
210	Protective effects of Theracurmin treatment during experimental infection of the Colombian strain of <i>Trypanosoma cruzi</i> at the testicular site. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	1.8	0
218	Molecular mechanisms of cellular dysfunction in testes from men with non-obstructive azoospermia. <i>Nature Reviews Urology</i> , 2024, 21, 67-90.	1.9	0