Ren-shan Ge

List of Publications by Year
in descending order

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226 papers	6,718 citations	81743 39 h-index	91712 69 g-index
228 all docs	228 docs citations	228 times ranked	4919 citing authors

#	Article	IF	Citations
1	In search of rat stem Leydig cells: Identification, isolation, and lineage-specific development. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2719-2724.	3.3	246
2	Variation in the End Products of Androgen Biosynthesis and Metabolism during Postnatal Differentiation of Rat Leydig Cells*. Endocrinology, 1998, 139, 3787-3795.	1.4	240
3	Leydig cells: From stem cells to aging. Molecular and Cellular Endocrinology, 2009, 306, 9-16.	1.6	224
4	Insights into the Development of the Adult Leydig Cell Lineage from Stem Leydig Cells. Frontiers in Physiology, 2017, 8, 430.	1.3	200
5	Phthalate Levels and Low Birth Weight: A Nested Case-Control StudyÂofÂChinese Newborns. Journal of Pediatrics, 2009, 155, 500-504.	0.9	198
6	Involvement of testicular growth factors in fetal Leydig cell aggregation after exposure to phthalate in utero. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7218-7222.	3.3	157
7	Gene Expression in Rat Leydig Cells During Development from the Progenitor to Adult Stage: A Cluster Analysis1. Biology of Reproduction, 2005, 72, 1405-1415.	1.2	147
8	Phthalate ester toxicity in Leydig cells: Developmental timing and dosage considerations. Reproductive Toxicology, 2007, 23, 366-373.	1.3	146
9	Phthalate-induced testicular dysgenesis syndrome: Leydig cell influence. Trends in Endocrinology and Metabolism, 2009, 20, 139-145.	3.1	144
10	Inhibitors of Testosterone Biosynthetic and Metabolic Activation Enzymes. Molecules, 2011, 16, 9983-10001.	1.7	130
11	11Î²-Hydroxysteroid Dehydrogenase 2 in Rat Leydig Cells: Its Role in Blunting Glucocorticoid Action at Physiological Levels of Substrate. Endocrinology, 2005, 146, 2657-2664.	1.4	126
12	Identification of a Kinetically Distinct Activity of 11Î²-Hydroxysteroid Dehydrogenase in Rat Leydig Cells¹. Endocrinology, 1997, 138, 2435-2442.	1.4	118
13	Leydig cell stem cells: Identification, proliferation and differentiation. Molecular and Cellular Endocrinology, 2017, 445, 65-73.	1.6	111
14	Comparison of cell types in the rat Leydig cell lineage after ethane dimethanesulfonate treatment. Reproduction, 2013, 145, 371-380.	1.1	108
15	A brief exposure to cadmium impairs Leydig cell regeneration in the adult rat testis. Scientific Reports, 2017, 7, 6337.	1.6	93
16	A Metabolite of Methoxychlor, 2,2-Bis(p-Hydroxyphenyl)-1,1,1-Trichloroethane, Reduces Testosterone Biosynthesis in Rat Leydig Cells Through Suppression of Steady-State Messenger Ribonucleic Acid Levels of the Cholesterol Side-Chain Cleavage Enzyme1. Biology of Reproduction, 2000, 62, 571-578.	1.2	92
17	Inhibition of human and rat testicular steroidogenic enzyme activities by bisphenol A. Toxicology Letters, 2011, 207, 137-142.	0.4	85
18	Developmental Changes in Glucocorticoid Receptor and 11Î²-Hydroxysteroid Dehydrogenase Oxidative and Reductive Activities in Rat Leydig Cells1. Endocrinology, 1997, 138, 5089-5095.	1.4	82

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19	Decreased Cyclin A₂and Increased Cyclin G₁Levels Coincide with Loss of Proliferative Capacity in Rat Leydig Cells During Pubertal Development¹. Endocrinology, 1997, 138, 3719-3726.	1.4	80
20	Environmental inhibitors of 11Î²-hydroxysteroid dehydrogenase type 2. Toxicology, 2011, 285, 83-89.	2.0	79
21	In utero exposure to diisononyl phthalate caused testicular dysgenesis of rat fetal testis. Toxicology Letters, 2015, 232, 466-474.	0.4	78
22	Deletion of the Igf1 Gene: Suppressive Effects on Adult Leydig Cell Development. Journal of Andrology, 2010, 31, 379-387.	2.0	77
23	Forkhead box transcription factor 1: role in the pathogenesis of diabetic cardiomyopathy. Cardiovascular Diabetology, 2016, 15, 44.	2.7	74
24	Toxicological Effects of Cadmium on Mammalian Testis. Frontiers in Genetics, 2020, 11, 527.	1.1	73
25	Stem Leydig Cell Differentiation: Gene Expression During Development of the Adult Rat Population of Leydig Cells1. Biology of Reproduction, 2011, 85, 1161-1166.	1.2	61
26	In Utero Exposure to Diethylhexyl Phthalate Affects Rat Brain Development: A Behavioral and Genomic Approach. International Journal of Environmental Research and Public Health, 2015, 12, 13696-13710.	1.2	59
27	Mono-(2-ethylhexyl) phthalate affects the steroidogenesis in rat Leydig cells through provoking ROS perturbation. Toxicology in Vitro, 2012, 26, 950-955.	1.1	58
28	The (+)- and (â^')-gossypols potently inhibit both 3Î²-hydroxysteroid dehydrogenase and 17Î²-hydroxysteroid dehydrogenase 3 in human and rat testes. Journal of Steroid Biochemistry and Molecular Biology, 2009, 115, 14-19.	1.2	55
29	Direct Reprogramming of Mouse Fibroblasts toward Leydig-like Cells by Defined Factors. Stem Cell Reports, 2017, 8, 39-53.	2.3	53
30	Inhibition of human and rat 3Î²-hydroxysteroid dehydrogenase and 17Î²-hydroxysteroid dehydrogenase 3 activities by perfluoroalkylated substances. Chemico-Biological Interactions, 2010, 188, 38-43.	1.7	50
31	Perfluorooctane sulfonate impairs rat Leydig cell development during puberty. Chemosphere, 2018, 190, 43-53.	4.2	50
32	Transplanted human p75-positive stem Leydig cells replace disrupted Leydig cells for testosterone production. Cell Death and Disease, 2017, 8, e3123-e3123.	2.7	49
33	Dihydrolipoamide dehydrogenase and cAMP are associated with cadmium-mediated Leydig cell damage. Toxicology Letters, 2011, 205, 183-189.	0.4	48
34	Curcumin as a Potent and Selective Inhibitor of 11Î²-Hydroxysteroid Dehydrogenase 1: Improving Lipid Profiles in High-Fat-Diet-Treated Rats. PLoS ONE, 2013, 8, e49976.	1.1	47
35	The inhibition of human and rat 11Î²-hydroxysteroid dehydrogenase 2 by perfluoroalkylated substances. Journal of Steroid Biochemistry and Molecular Biology, 2011, 125, 143-147.	1.2	46
36	In Utero and Lactational Exposures to Diethylhexyl-Phthalate Affect Two Populations of Leydig Cells in Male Long-Evans Rats1. Biology of Reproduction, 2009, 80, 882-888.	1.2	45

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37	Environmental Pollutants and Hydroxysteroid Dehydrogenases. Vitamins and Hormones, 2014, 94, 349-390.	0.7	44
38	Alterations of gene profiles in Leydig-cell-regenerating adult rat testis after ethane dimethane sulfonate-treatment. Asian Journal of Andrology, 2015, 17, 253.	0.8	42
39	Structure-dependent inhibition of human and rat 11Î²-hydroxysteroid dehydrogenase 2 activities by phthalates. Chemico-Biological Interactions, 2010, 183, 79-84.	1.7	40
40	Inhibition of human and rat 11Î²-hydroxysteroid dehydrogenases activities by bisphenol A. Toxicology Letters, 2012, 215, 126-130.	0.4	40
41	Effects of perfluorooctanoic acid on stem Leydig cell functions in the rat. Environmental Pollution, 2019, 250, 206-215.	3.7	40
42	Glucocorticoid Suppresses Steroidogenesis in Rat Progenitor Leydig Cells. Journal of Andrology, 2010, 31, 365-371.	2.0	39
43	A Short-Term Exposure to Tributyltin Blocks Leydig Cell Regeneration in the Adult Rat Testis. Frontiers in Pharmacology, 2017, 8, 704.	1.6	38
44	In utero perfluorooctane sulfonate exposure causes low body weights of fetal rats: A mechanism study. Placenta, 2016, 39, 125-133.	0.7	36
45	Mitochondrial toxicity of perfluorooctane sulfonate in mouse embryonic stem cell-derived cardiomyocytes. Toxicology, 2017, 382, 108-116.	2.0	36
46	In utero exposure to bisphenol A disrupts fetal testis development in rats. Environmental Pollution, 2019, 246, 217-224.	3.7	36
47	Bisphenols and Leydig Cell Development and Function. Frontiers in Endocrinology, 2020, 11, 447.	1.5	36
48	Identification of a Kinetically Distinct Activity of 11Î²-Hydroxysteroid Dehydrogenase in Rat Leydig Cells. , 0, .		36
49	Directed Mouse Embryonic Stem Cells into Leydig-Like Cells Rescue Testosterone-Deficient Male Rats In Vivo. Stem Cells and Development, 2015, 24, 459-470.	1.1	35
50	In utero methoxychlor exposure increases rat fetal Leydig cell number but inhibits its function. Toxicology, 2016, 370, 31-40.	2.0	35
51	Dicyclohexyl phthalate blocks Leydig cell regeneration in adult rat testis. Toxicology, 2019, 411, 60-70.	2.0	35
52	Perfluoroalkyl substances cause Leydig cell dysfunction as endocrine disruptors. Chemosphere, 2020, 253, 126764.	4.2	35
53	Circular RNA circLMO1 Suppresses Cervical Cancer Growth and Metastasis by Triggering miR-4291/ACSL4-Mediated Ferroptosis. Frontiers in Oncology, 2022, 12, 858598.	1.3	35
54	Identification of the Oxidative 3Î±-Hydroxysteroid Dehydrogenase Activity of Rat Leydig Cells as Type II Retinol Dehydrogenase*. Endocrinology, 2000, 141, 1608-1617.	1.4	34

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55	Basic fibroblast growth factor promotes stem Leydig cell development and inhibits LH-stimulated androgen production by regulating microRNA expression. Journal of Steroid Biochemistry and Molecular Biology, 2014, 144, 483-491.	1.2	34
56	Effects of Etomidate on the Steroidogenesis of Rat Immature Leydig Cells. PLoS ONE, 2015, 10, e0139311.	1.1	34
57	Structure-activity relationships of phthalates in inhibition of human placental 3Î²-hydroxysteroid dehydrogenase 1 and aromatase. Reproductive Toxicology, 2016, 61, 151-161.	1.3	34
58	Oncostatin M inhibits differentiation of rat stem Leydig cells inÂvivo and inÂvitro. Journal of Cellular and Molecular Medicine, 2019, 23, 426-438.	1.6	34
59	Genetic polymorphisms and novel allelic variants of CYP2C19 in the Chinese Han population. Pharmacogenomics, 2012, 13, 1571-1581.	0.6	33
60	Effects of hydroxysafflor yellow A on the activity and mRNA expression of four CYP isozymes in rats. Journal of Ethnopharmacology, 2014, 151, 1141-1146.	2.0	33
61	Effects of phthalates on 3Î²-hydroxysteroid dehydrogenase and 17Î²-hydroxysteroid dehydrogenase 3 activities in human and rat testes. Chemico-Biological Interactions, 2012, 195, 180-188.	1.7	32
62	Phthalate-Induced Fetal Leydig Cell Dysfunction Mediates Male Reproductive Tract Anomalies. Frontiers in Pharmacology, 2019, 10, 1309.	1.6	32
63	Time-Course Changes of Steroidogenic Gene Expression and Steroidogenesis of Rat Leydig Cells after Acute Immobilization Stress. International Journal of Molecular Sciences, 2014, 15, 21028-21044.	1.8	31
64	Nicotine affects rat Leydig cell function in vivo and vitro via down-regulating some key steroidogenic enzyme expressions. Food and Chemical Toxicology, 2017, 110, 13-24.	1.8	29
65	The Effects of Fungicides on Human 3Î²-Hydroxysteroid Dehydrogenase 1 and Aromatase in Human Placental Cell Line JEG-3. Pharmacology, 2017, 100, 139-147.	0.9	29
66	Endocrine disruptors of inhibiting testicular 3Î²-hydroxysteroid dehydrogenase. Chemico-Biological Interactions, 2019, 303, 90-97.	1.7	29
67	Adverse effects of di-(2-ethylhexyl) phthalate on Leydig cell regeneration in the adult rat testis. Toxicology Letters, 2012, 215, 84-91.	0.4	28
68	A role of KIT receptor signaling for proliferation and differentiation of rat stem Leydig cells inÂvitro. Molecular and Cellular Endocrinology, 2017, 444, 1-8.	1.6	28
69	In utero combined di-(2-ethylhexyl) phthalate and diethyl phthalate exposure cumulatively impairs rat fetal Leydig cell development. Toxicology, 2018, 395, 23-33.	2.0	28
70	Cell polarity, cell adhesion, and spermatogenesis: role of cytoskeletons. F1000Research, 2017, 6, 1565.	0.8	28
71	Decreased Cyclin A2 and Increased Cyclin G1 Levels Coincide with Loss of Proliferative Capacity in Rat Leydig Cells During Pubertal Development. , 0, .		27
72	Effects of in Utero Exposure to Dicyclohexyl Phthalate on Rat Fetal Leydig Cells. International Journal of Environmental Research and Public Health, 2016, 13, 246.	1.2	26

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73	In utero single low-dose exposure of cadmium induces rat fetal Leydig cell dysfunction. Chemosphere, 2018, 194, 57-66.	4.2	26
74	Mono-(2-ethylhexyl) phthalate (MEHP) regulates glucocorticoid metabolism through 11Î²-hydroxysteroid dehydrogenase 2 in murine gonadotrope cells. Biochemical and Biophysical Research Communications, 2009, 389, 305-309.	1.0	24
75	Hepatic Premalignant Alterations Triggered by Human Nephrotoxin Aristolochic Acid I in Canines. Cancer Prevention Research, 2016, 9, 324-334.	0.7	24
76	Prenatal exposure to di- n -butyl phthalate disrupts the development of adult Leydig cells in male rats during puberty. Toxicology, 2017, 386, 19-27.	2.0	24
77	Interleukin 6 inhibits the differentiation of rat stem Leydig cells. Molecular and Cellular Endocrinology, 2018, 472, 26-39.	1.6	24
78	Pubertal exposure to tebuconazole increases testosterone production via inhibiting testicular aromatase activity in rats. Chemosphere, 2019, 230, 519-526.	4.2	23
79	Bisphenol AF blocks Leydig cell regeneration from stem cells in male rats. Environmental Pollution, 2022, 298, 118825.	3.7	23
80	7Î±-Hydroxytestosterone Affects 11Î²-Hydroxysteroid Dehydrogenase 1 Direction in Rat Leydig Cells. Endocrinology, 2010, 151, 748-754.	1.4	22
81	Gene expression profiling in fetal rat lung during gestational perfluorooctane sulfonate exposure. Toxicology Letters, 2012, 209, 270-276.	0.4	22
82	The increased number of Leydig cells by di(2-ethylhexyl) phthalate comes from the differentiation of stem cells into Leydig cell lineage in the adult rat testis. Toxicology, 2013, 306, 9-15.	2.0	22
83	Effects of methoxychlor and its metabolite 2,2-bis(p-hydroxyphenyl)-1,1,1-trichloroethane on 11Î²-hydroxysteroid dehydrogenase activities in vitro. Toxicology Letters, 2013, 218, 18-23.	0.4	22
84	Effects of curcumin on pain threshold and on the expression of nuclear factor Îº B and CX3C receptor 1 after sciatic nerve chronic constrictive injury in rats. Chinese Journal of Integrative Medicine, 2014, 20, 850-856.	0.7	22
85	Triclocarban and Triclosan Inhibit Human Aromatase via Different Mechanisms. BioMed Research International, 2017, 2017, 1-7.	0.9	22
86	The cross talk of adrenal and Leydig cell steroids in Leydig cells. Journal of Steroid Biochemistry and Molecular Biology, 2019, 192, 105386.	1.2	22
87	The structureâ€“activity relationship (SAR) for phthalate-mediated developmental and reproductive toxicity in males. Chemosphere, 2019, 223, 504-513.	4.2	22
88	Protein profiles of cardiomyocyte differentiation in murine embryonic stem cells exposed to perfluorooctane sulfonate. Journal of Applied Toxicology, 2016, 36, 726-740.	1.4	21
89	Parathyroid Hormone-Related Protein Promotes Rat Stem Leydig Cell Differentiation. Frontiers in Physiology, 2017, 8, 911.	1.3	21
90	Diverged Effects of Piperine on Testicular Development: Stimulating Leydig Cell Development but Inhibiting Spermatogenesis in Rats. Frontiers in Pharmacology, 2018, 9, 244.	1.6	21

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91	4-Bromodiphenyl ether delays pubertal Leydig cell development in rats. Chemosphere, 2018, 211, 986-997.	4.2	21
92	Effects of Ziram on Rat and Human 11Î²-Hydroxysteroid Dehydrogenase Isoforms. Chemical Research in Toxicology, 2016, 29, 398-405.	1.7	20
93	In utero exposure to triphenyltin disrupts rat fetal testis development. Chemosphere, 2018, 211, 1043-1053.	4.2	20
94	Stem Leydig cells: Current research and future prospects of regenerative medicine of male reproductive health. Seminars in Cell and Developmental Biology, 2022, 121, 63-70.	2.3	20
95	The inhibitory effects of perfluoroalkyl substances on human and rat 11Î²-hydroxysteroid dehydrogenase 1. Chemico-Biological Interactions, 2012, 195, 114-118.	1.7	19
96	Suppression of rat and human androgen biosynthetic enzymes by apigenin: Possible use for the treatment of prostate cancer. FÃ¬toterapÃ¬Ã¢, 2016, 111, 66-72.	1.1	19
97	Influence of fetal Leydig cells on the development of adult Leydig cell population in rats. Journal of Reproduction and Development, 2018, 64, 223-231.	0.5	19
98	Gestational exposure to tebuconazole affects the development of rat fetal Leydig cells. Chemosphere, 2021, 262, 127792.	4.2	19
99	Effects of butylated hydroxyanisole on the steroidogenesis of rat immature Leydig cells. Toxicology Mechanisms and Methods, 2016, 26, 511-519.	1.3	18
100	Effects of Methoxychlor and Its Metabolite Hydroxychlor on Human Placental 3Î²-Hydroxysteroid Dehydrogenase 1 and Aromatase in JEG-3 Cells. Pharmacology, 2016, 97, 126-133.	0.9	18
101	Gestational exposure to ziram disrupts rat fetal Leydig cell development. Chemosphere, 2018, 203, 393-401.	4.2	18
102	Lambda-cyhalothrin delays pubertal Leydig cell development in rats. Environmental Pollution, 2018, 242, 709-717.	3.7	18
103	Benzyl butyl phthalate non-linearly affects rat Leydig cell development during puberty. Toxicology Letters, 2019, 314, 53-62.	0.4	18
104	Stem Leydig cell regeneration in the adult rat testis is inhibited after a short-term triphenyltin exposure. Toxicology Letters, 2019, 306, 80-89.	0.4	18
105	Taxifolin attenuates the developmental testicular toxicity induced by di-n-butyl phthalate in fetal male rats. Food and Chemical Toxicology, 2020, 142, 111482.	1.8	18
106	Effect of brominated flame retardant BDE-47 on androgen production of adult rat Leydig cells. Toxicology Letters, 2011, 205, 209-214.	0.4	17
107	The metabolism of steroids, toxins and drugs by 11Î²-hydroxysteroid dehydrogenase 1. Toxicology, 2012, 292, 1-12.	2.0	17
108	Zearalenone Delays Rat Leydig Cell Regeneration. Toxicological Sciences, 2018, 164, 60-71.	1.4	17

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109	Bisphenol A stimulates differentiation of rat stem Leydig cells inÂvivo and inÂvitro. Molecular and Cellular Endocrinology, 2018, 474, 158-167.	1.6	17
110	Triphenyltin Chloride Delays Leydig Cell Maturation During Puberty in Rats. Frontiers in Pharmacology, 2018, 9, 833.	1.6	17
111	Paraquat exposure delays stem/progenitor Leydig cell regeneration in the adult rat testis. Chemosphere, 2019, 231, 60-71.	4.2	17
112	Fibroblast Growth Factor 1 Promotes Rat Stem Leydig Cell Development. Frontiers in Endocrinology, 2019, 10, 118.	1.5	17
113	Leydig Cell and Spermatogenesis. Advances in Experimental Medicine and Biology, 2021, 1288, 111-129.	0.8	17
114	In Vitro and In Vivo Characterization of 13 CYP2C9 Allelic Variants Found in Chinese Han Population. Drug Metabolism and Disposition, 2015, 43, 561-569.	1.7	16
115	Perfluorododecanoic Acid Blocks Rat Leydig Cell Development during Prepuberty. Chemical Research in Toxicology, 2019, 32, 146-155.	1.7	16
116	Adiponectin Facilitates Postconditioning Cardioprotection through Both AMPK-Dependent Nuclear and AMPK-Independent Mitochondrial STAT3 Activation. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-17.	1.9	16
117	Differentiation of seminiferous tubule-associated stem cells into leydig cell and myoid cell lineages. Molecular and Cellular Endocrinology, 2021, 525, 111179.	1.6	16
118	Inhibition of sperm capacitation and fertilizing capacity by adjudin is mediated by chloride and its channels in humans. Human Reproduction, 2013, 28, 47-59.	0.4	15
119	Determination of acacetin in rat plasma by UPLC-MS/MS and its application to a pharmacokinetic study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 986-987, 18-22.	1.2	15
120	Gossypol enantiomers potently inhibit human placental 3Î²-hydroxysteroid dehydrogenase 1 and aromatase activities. FÂ¬toterapÃ¬Ã¢, 2016, 109, 132-137.	1.1	15
121	Comparison of flavonoids and isoflavonoids to inhibit rat and human 11Î²-hydroxysteroid dehydrogenase 1 and 2. Steroids, 2018, 132, 25-32.	0.8	15
122	Regulation of spermatid polarity by the actin- and microtubule (MT)-based cytoskeletons. Seminars in Cell and Developmental Biology, 2018, 81, 88-96.	2.3	15
123	Human placental 3Î²-hydroxysteroid dehydrogenase/steroid Î”5,4-isomerase 1: Identity, regulation and environmental inhibitors. Toxicology, 2019, 425, 152253.	2.0	15
124	Fibroblast growth factor homologous factor 1 stimulates Leydig cell regeneration from stem cells in male rats. Journal of Cellular and Molecular Medicine, 2019, 23, 5618-5631.	1.6	15
125	Long-term triphenyltin exposure disrupts adrenal function in adult male rats. Chemosphere, 2020, 243, 125149.	4.2	15
126	Perfluoroheptanoic acid induces Leydig cell hyperplasia but inhibits spermatogenesis in rats after pubertal exposure. Toxicology, 2021, 448, 152633.	2.0	15

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127	Effects of gestational exposure to perfluorooctane sulfonate on the lung development of offspring rats. Environmental Pollution, 2021, 272, 115535.	3.7	15
128	Deprival of testicular innervation induces apoptosis of Leydig cells via caspase-8-dependent signaling: A novel survival pathway revealed. Biochemical and Biophysical Research Communications, 2009, 382, 165-170.	1.0	14
129	Disrupting androgen production of Leydig cells by resveratrol via direct inhibition of human and rat 3Î²-hydroxysteroid dehydrogenase. Toxicology Letters, 2014, 226, 14-19.	0.4	14
130	Role of 11Î²-OH-C19 and C21 steroids in the coupling of 11Î²-HSD1 and 17Î²-HSD3 in regulation of testosterone biosynthesis in rat Leydig cells. Steroids, 2011, 76, 682-689.	0.8	13
131	Simultaneous determination of liensinine, isoliensinine and neferine in rat plasma by UPLCâ€“MS/MS and application of the technique to pharmacokinetic studies. Journal of Ethnopharmacology, 2015, 163, 94-98.	2.0	13
132	Leukemia inhibitory factor stimulates steroidogenesis of rat immature Leydig cells via increasing the expression of steroidogenic acute regulatory protein. Growth Factors, 2016, 34, 166-176.	0.5	13
133	Taxifolin inhibits rat and human 11Î²-hydroxysteroid dehydrogenase 2. FÃ¬toterapÃ¬Ã¢, 2017, 121, 112-117.	1.1	13
134	In utero Exposure to Atrazine Disrupts Rat Fetal Testis Development. Frontiers in Pharmacology, 2018, 9, 1391.	1.6	13
135	Zearalenone disrupts the placental function of rats: A possible mechanism causing intrauterine growth restriction. Food and Chemical Toxicology, 2020, 145, 111698.	1.8	13
136	Effects of gestational Perfluorooctane Sulfonate exposure on the developments of fetal and adult Leydig cells in F1 males. Environmental Pollution, 2020, 262, 114241.	3.7	13
137	Peptidergic not monoaminergic fibers profusely innervate the young adult human testis. Journal of Anatomy, 2009, 214, 330-338.	0.9	12
138	Effects of methoxychlor and its metabolite 2,2-bis(p-hydroxyphenyl)-1,1,1-trichloroethane on human and rat 17Î±-hydroxylase/17,20-lyase activity. Toxicology Letters, 2014, 225, 407-412.	0.4	12
139	Taxifolin suppresses rat and human testicular androgen biosynthetic enzymes. FÃ¬toterapÃ¬Ã¢, 2018, 125, 258-265.	1.1	12
140	In utero exposure to hexavalent chromium disrupts rat fetal testis development. Toxicology Letters, 2018, 299, 201-209.	0.4	12
141	Paraquat exposure delays late-stage Leydig cell differentiation in rats during puberty. Environmental Pollution, 2019, 255, 113316.	3.7	12
142	Characterization and differentiation of CD51+ Stem Leydig cells in adult mouse testes. Molecular and Cellular Endocrinology, 2019, 493, 110449.	1.6	12
143	Zearalenone Inhibits Rat and Human 11Î²-Hydroxysteroid Dehydrogenase Type 2. BioMed Research International, 2015, 2015, 1-7.	0.9	11
144	Deficiency of CDKN1A or Both CDKN1A and CDKN1B Affects the Pubertal Development of Mouse Leydig Cells1. Biology of Reproduction, 2015, 92, 77.	1.2	11

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145	Gestational vinclozolin exposure suppresses fetal testis development in rats. Ecotoxicology and Environmental Safety, 2020, 203, 111053.	2.9	11
146	In utero cadmium and dibutyl phthalate combination exposure worsens the defects of fetal testis in rats. Environmental Pollution, 2020, 265, 114842.	3.7	11
147	11Î²-hydroxysteroid dehydrogenase types 1 and 2 in postnatal development of rat testis: gene expression, localization and regulation by luteinizing hormone and androgens. Asian Journal of Andrology, 2014, 16, 811.	0.8	11
148	Regulation of blood-testis barrier dynamics by the mTORC1/rpS6 signaling complex: An in vitro study. Asian Journal of Andrology, 2019, 21, 365.	0.8	11
149	Normal Responses to Restraint Stress in Mice Lacking the Gene for Neuronal Nitric Oxide Synthase. Journal of Andrology, 2009, 30, 614-620.	2.0	10
150	Comparison of the Effects of Dibutyl and Monobutyl Phthalates on the Steroidogenesis of Rat Immature Leydig Cells. BioMed Research International, 2016, 2016, 1-12.	0.9	10
151	Ziram inhibits aromatase activity in human placenta and JEG-3 cell line. Steroids, 2017, 128, 114-119.	0.8	10
152	Ziram Delays Pubertal Development of Rat Leydig Cells. Toxicological Sciences, 2017, 160, 329-340.	1.4	10
153	Platelet-derived growth factor BB stimulates differentiation of rat immature Leydig cells. Journal of Molecular Endocrinology, 2018, 60, 29-43.	1.1	10
154	Dehydroepiandrosterone Antagonizes Pain Stress-Induced Suppression of Testosterone Production in Male Rats. Frontiers in Pharmacology, 2018, 9, 322.	1.6	10
155	Aldosterone Blocks Rat Stem Leydig Cell Development In Vitro. Frontiers in Endocrinology, 2018, 9, 4.	1.5	10
156	4-Bromodiphenyl Ether Causes Adrenal Gland Dysfunction in Rats during Puberty. Chemical Research in Toxicology, 2019, 32, 1772-1779.	1.7	10
157	Fibroblast growth factor 16 stimulates proliferation but blocks differentiation of rat stem Leydig cells during regeneration. Journal of Cellular and Molecular Medicine, 2019, 23, 2632-2644.	1.6	10
158	Maternal exposure to zearalenone in masculinization window affects the fetal Leydig cell development in rat male fetus. Environmental Pollution, 2020, 263, 114357.	3.7	10
159	Exposure to di-n-octyl phthalate during puberty induces hypergonadotropic hypogonadism caused by Leydig cell hyperplasia but reduced steroidogenic function in male rats. Ecotoxicology and Environmental Safety, 2021, 208, 111432.	2.9	10
160	In utero exposure to dipentyl phthalate disrupts fetal and adult Leydig cell development. Toxicology and Applied Pharmacology, 2021, 419, 115514.	1.3	10
161	Effects of luteinizing hormone and androgen on the development of rat progenitor Leydig cells in vitro and in vivo. Asian Journal of Andrology, 2013, 15, 685-691.	0.8	10
162	Tetramethyl bisphenol a inhibits leydig cell function in late puberty by inducing ferroptosis. Ecotoxicology and Environmental Safety, 2022, 236, 113515.	2.9	10

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163	Mono-carbonyl curcumin analogues as 11Î²-hydroxysteroid dehydrogenase 1 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4362-4366.	1.0	9
164	Butylated Hydroxyanisole Potently Inhibits Rat and Human 11Î²-Hydroxysteroid Dehydrogenase Type 2. Pharmacology, 2016, 97, 10-17.	0.9	9
165	Effects of Folpet, Captan, and Captafol on Human Aromatase in JEG-3 Cells. Pharmacology, 2018, 102, 81-87.	0.9	9
166	Food components and environmental chemicals of inhibiting human placental aromatase. Food and Chemical Toxicology, 2019, 128, 46-53.	1.8	9
167	Acephate interferes with androgen synthesis in rat immature Leydig cells. Chemosphere, 2020, 245, 125597.	4.2	9
168	Perfluoroundecanoic acid inhibits Leydig cell development in pubertal male rats via inducing oxidative stress and autophagy. Toxicology and Applied Pharmacology, 2021, 415, 115440.	1.3	9
169	Epidermal growth factor regulates the development of stem and progenitor Leydig cells in rats. Journal of Cellular and Molecular Medicine, 2020, 24, 7313-7330.	1.6	9
170	Effects of Fungicides on Ratâ€™s Neurosteroid Synthetic Enzymes. BioMed Research International, 2017, 2017, 1-8.	0.9	8
171	Dexamethasone suppresses the differentiation of stem Leydig cells in rats in vitro. BMC Pharmacology & Toxicology, 2019, 20, 32.	1.0	8
172	Bisphenol B stimulates Leydig cell proliferation but inhibits maturation in late pubertal rats. Food and Chemical Toxicology, 2021, 153, 112248.	1.8	8
173	Inhibition of LH-stimulated androgen production in rat immature Leydig cells: Effects on nuclear receptor steroidogenic factor 1 by FGF2. Growth Factors, 2010, 28, 1-9.	0.5	7
174	Neurotrophinâ€3 stimulates stem Leydig cell proliferation during regeneration in rats. Journal of Cellular and Molecular Medicine, 2020, 24, 13679-13689.	1.6	7
175	Triphenyltin chloride reduces the development of rat adrenal cortex during puberty. Food and Chemical Toxicology, 2020, 143, 111479.	1.8	7
176	Xylene delays the development of Leydig cells in pubertal rats by inducing reactive oxidative species. Toxicology, 2021, 454, 152740.	2.0	7
177	Exposure to 4-bromodiphenyl ether during pregnancy blocks testis development in male rat fetuses. Toxicology Letters, 2021, 342, 38-49.	0.4	7
178	Inhibition of human sperm motility and capacitation by ziram is mediated by decreasing tyrosine protein kinase. Ecotoxicology and Environmental Safety, 2021, 218, 112281.	2.9	7
179	Effects of perfluoroalkyl substances on neurosteroid synthetic enzymes in the rat. Chemico-Biological Interactions, 2017, 272, 182-187.	1.7	7
180	The Effect of Glycyrrhetinic Acid on Pharmacokinetics of Cortisone and Its Metabolite Cortisol in Rats. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-5.	3.0	6

#	Article	IF	Citations
181	Delayed Puberty by Ziram Is Associated with Down Regulation of Testicular Phosphorylated AKT1 and SIRT1/PGC-1Î± Signaling. Chemical Research in Toxicology, 2018, 31, 1315-1322.	1.7	6
182	Tebuconazole exposure disrupts placental function and causes fetal low birth weight in rats. Chemosphere, 2021, 264, 128432.	4.2	6
183	Androgen and Luteinizing Hormone Stimulate the Function of Rat Immature Leydig Cells Through Different Transcription Signals. Frontiers in Endocrinology, 2021, 12, 599149.	1.5	6
184	Effects of bis(2-butoxyethyl) phthalate exposure in utero on the development of fetal Leydig cells in rats. Toxicology Letters, 2021, 351, 65-77.	0.4	6
185	Triadimefon suppresses fetal adrenal gland development after in utero exposure. Toxicology, 2021, 462, 152932.	2.0	6
186	Short-term exposure to perfluorotetradecanoic acid affects the late-stage regeneration of Leydig cells in adult male rats. Toxicology and Applied Pharmacology, 2021, 433, 115777.	1.3	6
187	PCP Protein Inversin Regulates Testis Function Through Changes in Cytoskeletal Organization of Actin and Microtubules. Endocrinology, 2022, 163, .	1.4	6
188	Leydig cell function in adult male rats is disrupted by perfluorotetradecanoic acid through increasing oxidative stress and apoptosis. Environmental Toxicology, 2022, 37, 1790-1802.	2.1	6
189	In utero bisphenol AF exposure causes fetal Leydig cell dysfunction and induces multinucleated gonocytes by generating oxidative stress and reducing the SIRT1/PGC1Î± signals. Toxicology and Applied Pharmacology, 2022, 447, 116069.	1.3	6
190	Effects of Methoxychlor and 2,2-bis (<i>p</i>-Hydroxyphenyl)-1,1,1-Trichloroethane on Cytochrome P450 Enzyme Activities in Human and Rat Livers. Pharmacology, 2015, 95, 145-153.	0.9	5
191	Determination of Caudatin in Rat Plasma by UPLC-MS/MS: Application to a Preclinical Pharmacokinetic Study. Pharmacology, 2015, 96, 49-54.	0.9	5
192	Effects of Polybrominated Diphenyl Ethers on Rat and Human 11Î²-Hydroxysteroid Dehydrogenase 1 and 2 Activities. Pharmacology, 2016, 98, 115-123.	0.9	5
193	Di-n-hexyl phthalate causes Leydig cell hyperplasia in rats during puberty. Toxicology Letters, 2020, 332, 213-221.	0.4	5
194	Effects of in utero exposure to diisodecyl phthalate on fetal testicular cells in rats. Toxicology Letters, 2020, 330, 23-29.	0.4	5
195	Perfluorotridecanoic acid inhibits fetal Leydig cell differentiation after in utero exposure in rats via increasing oxidative stress and autophagy. Environmental Toxicology, 2021, 36, 1206-1216.	2.1	5
196	5-Bis-(2,6-difluoro-benzylidene) Cyclopentanone Acts as a Selective 11Î²-Hydroxysteroid Dehydrogenase one Inhibitor to Treat Diet-Induced Nonalcoholic Fatty Liver Disease in Mice. Frontiers in Pharmacology, 2021, 12, 594437.	1.6	5
197	Low dose of fire retardant, 2,2â€™,4,4â€™-tetrabromodiphenyl ether (BDE47), stimulates the proliferation and differentiation of progenitor Leydig cells of male rats during prepuberty. Toxicology Letters, 2021, 342, 6-19.	0.4	5
198	Metabolic Coupling Determines the Activity: Comparison of 11Î²-Hydroxysteroid Dehydrogenase 1 and Its Coupling between Liver Parenchymal Cells and Testicular Leydig Cells. PLoS ONE, 2015, 10, e0141767.	1.1	4

#	Article	IF	Citations
199	Effects of dexmedetomidine on the steroidogenesis of rat immature Leydig cells. Steroids, 2019, 149, 108423.	0.8	4
200	Flurbiprofen Inhibits Androgen Productions in Rat Immature Leydig Cells. Chemical Research in Toxicology, 2019, 32, 1504-1514.	1.7	4
201	Dimethoate blocks pubertal differentiation of Leydig cells in rats. Chemosphere, 2020, 241, 125036.	4.2	4
202	Cisatracurium stimulates testosterone synthesis in rat and mouse Leydig cells via nicotinic acetylcholine receptor. Journal of Cellular and Molecular Medicine, 2020, 24, 14184-14194.	1.6	4
203	Perfluorotridecanoic Acid Inhibits Leydig Cell Maturation in Male Rats in Late Puberty via Changing Testicular Lipid Component. Chemical Research in Toxicology, 2021, 34, 1542-1555.	1.7	4
204	Rutin inhibits androgen synthesis and metabolism in rat immature Leydig cells in vitro. Andrologia, 2021, 53, e14221.	1.0	4
205	Oncostatin M stimulates immature Leydig cell proliferation but inhibits its maturation and function in rats through JAK1/STAT3 signaling and induction of oxidative stress in vitro. Andrology, 2022, 10, 354-366.	1.9	4
206	Methyl tert-butyl ether inhibits pubertal development of Leydig cells in male rats by inducing mitophagy and apoptosis. Ecotoxicology and Environmental Safety, 2022, 232, 113282.	2.9	4
207	Effects of bis (2â€butoxyethyl) phthalate on adrenocortical function in male rats in puberty partially via downâ€regulating <scp>NR5A1</scp>/<scp>NR4A1</scp>/<scp>NR4A2</scp> pathways. Environmental Toxicology, 2022, 37, 2419-2433.	2.1	4
208	Bisphenol F blocks Leydig cell maturation and steroidogenesis in pubertal male rats through suppressing androgen receptor signaling and activating G-protein coupled estrogen receptor 1 (GPER1) signaling. Food and Chemical Toxicology, 2022, 167, 113268.	1.8	4
209	Contraceptives with novel benefits. Expert Opinion on Investigational Drugs, 2012, 21, 83-90.	1.9	3
210	Response to the Svingen Comments on Li et al. Effects of in Utero Exposure to Dicyclohexyl Phthalate on Rat Fetal Leydig Cells. Int. J. Environ. Res. Public Health, 2016, 13, 246. International Journal of Environmental Research and Public Health, 2016, 13, 533.	1.2	3
211	Effects of resveratrol on rat neurosteroid synthetic enzymes. FÃ¬toterapÃ¬Ã¢, 2017, 122, 61-66.	1.1	3
212	Methoxychlor and its metabolite HPTE inhibit rat neurosteroidogenic 3Î±-hydroxysteroid dehydrogenase and retinol dehydrogenase 2. Neuroscience Letters, 2018, 684, 169-174.	1.0	3
213	Propofol Inhibits Androgen Production in Rat Immature Leydig Cells. Frontiers in Pharmacology, 2019, 10, 760.	1.6	3
214	Monocyte Chemoattractant Protein-1 stimulates the differentiation of rat stem and progenitor Leydig cells during regeneration. BMC Developmental Biology, 2020, 20, 20.	2.1	3
215	NC1-peptide derived from collagen Î±3 (IV) chain is a blood-tissue barrier regulator: lesson from the testis. Asian Journal of Andrology, 2021, 23, 123.	0.8	3
216	The Production of Testosterone and Gene Expression in Neonatal Testes of Rats Exposed to Diisoheptyl Phthalate During Pregnancy is Inhibited. Frontiers in Pharmacology, 2021, 12, 568311.	1.6	3

#	Article	IF	Citations
217	Short-term perfluorooctane sulfonate exposure impairs Leydig cell regeneration in the adult rat testis via targeting hedgehog signaling. Ecotoxicology and Environmental Safety, 2021, 214, 112121.	2.9	3
218	Perfluorododecanoic acid delays Leydig cell regeneration from stem cells in adult rats. Food and Chemical Toxicology, 2021, 151, 112152.	1.8	3
219	Dehydroepiandrosterone and Its CYP7B1 Metabolite 7Î±-Hydroxydehydroepiandrosterone Regulates 11Î²-Hydroxysteroid Dehydrogenase 1 Directions in Rat Leydig Cells. Frontiers in Endocrinology, 2020, 10, 886.	1.5	2
220	Triadimefon increases fetal Leydig cell proliferation but inhibits its differentiation of male fetuses after gestational exposure. Ecotoxicology and Environmental Safety, 2021, 228, 112942.	2.9	2
221	Cypermethrin inhibits Leydig cell development and function in pubertal rats. Environmental Toxicology, 2022, 37, 1160-1172.	2.1	2
222	Fluornen-9-bisphenol increases Leydig cell proliferation but inhibits maturation in pubertal male rats via interacting with androgen receptor as an antagonist and estrogen receptor Î± as an agonist. Chemico-Biological Interactions, 2022, 363, 110024.	1.7	2
223	Dimethylbisphenol A inhibits the differentiation of stem Leydig cells in adult male rats by androgen receptor (NR3C4) antagonism. Toxicology Letters, 2022, 366, 58-71.	0.4	2
224	5-[(Z)-2,3-Dimethoxybenzylidene]-1,2,4-triazolo[3,2-b][1,3]thiazol-6(5H)-one. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3139-o3139.	0.2	1
225	Taxifolin Inhibits Neurosteroidogenic Rat Steroid 5Î±-Reductase 1 and 3Î±-Hydroxysteroid Dehydrogenase. Pharmacology, 2020, 105, 397-404.	0.9	0
226	Effects of perfluoroundecanoic acid on the function of Leydig cells in adult male rats. Toxicology and Applied Pharmacology, 2022, 439, 115903.	1.3	0