

Haolin Chen

List of Publications by Year in descending order

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60
papers

3,046
citations

172457

29
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161849

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docs citations

63
times ranked

2363
citing authors

#	ARTICLE	IF	CITATIONS
1	Pubertal Bisphenol A exposure increases adult rat serum testosterone by resetting pituitary homeostasis. <i>Environmental Pollution</i> , 2022, 298, 118764.	7.5	5
2	Identification of Rat Testicular Leydig Precursor Cells by Single-Cell-RNA-Sequence Analysis. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 805249.	3.7	10
3	Single-cell RNA sequencing of adult rat testes after Leydig cell elimination and restoration. <i>Scientific Data</i> , 2022, 9, 106.	5.3	5
4	Isolation of Leydig cells from adult rat testes by magnetic-activated cell sorting protocol based on prolactin receptor expression. <i>Andrology</i> , 2022, 10, 1197-1207.	3.5	2
5	Phthalate inhibits Leydig cell differentiation and promotes adipocyte differentiation. <i>Chemosphere</i> , 2021, 262, 127855.	8.2	9
6	Effects of gestational exposure to perfluorooctane sulfonate on the lung development of offspring rats. <i>Environmental Pollution</i> , 2021, 272, 115535.	7.5	15
7	TSPO ligand FGIN-11627 controls priapism in sickle cell mice via endogenous testosterone production. <i>Journal of Cellular Physiology</i> , 2021, 236, 3073-3082.	4.1	8
8	Perfluoroundecanoic acid inhibits Leydig cell development in pubertal male rats via inducing oxidative stress and autophagy. <i>Toxicology and Applied Pharmacology</i> , 2021, 415, 115440.	2.8	9
9	Differentiation of seminiferous tubule-associated stem cells into leydig cell and myoid cell lineages. <i>Molecular and Cellular Endocrinology</i> , 2021, 525, 111179.	3.2	16
10	TCF21+ mesenchymal cells contribute to testis somatic cell development, homeostasis, and regeneration in mice. <i>Nature Communications</i> , 2021, 12, 3876.	12.8	27
11	Sirt1 and Nrf2: regulation of Leydig cell oxidant/antioxidant intracellular environment and steroid formation. <i>Biology of Reproduction</i> , 2021, 105, 1307-1316.	2.7	22
12	Effects of Midazolam on the Development of Adult Leydig Cells From Stem Cells In Vitro. <i>Frontiers in Endocrinology</i> , 2021, 12, 765251.	3.5	17
13	Effects of pharmacologically induced Leydig cell testosterone production on intratesticular testosterone and spermatogenesis. <i>Biology of Reproduction</i> , 2020, 102, 489-498.	2.7	25
14	Stem Leydig Cells in the Adult Testis: Characterization, Regulation and Potential Applications. <i>Endocrine Reviews</i> , 2020, 41, 22-32.	20.1	56
15	Cholesterol accumulation, lipid droplet formation, and steroid production in Leydig cells: Role of translocator protein (18kDa). <i>Andrology</i> , 2020, 8, 719-730.	3.5	12
16	Characterization of stem cells associated with seminiferous tubule of adult rat testis for their potential to form Leydig cells. <i>Stem Cell Research</i> , 2019, 41, 101593.	0.7	10
17	Origin and regulation of stem Leydig cells in the adult testis. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2019, 6, 49-53.	1.4	3
18	Characterization and differentiation of CD51+ Stem Leydig cells in adult mouse testes. <i>Molecular and Cellular Endocrinology</i> , 2019, 493, 110449.	3.2	12

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19	Effects of spermatogenic cycle on Stem Leydig cell proliferation and differentiation. <i>Molecular and Cellular Endocrinology</i> , 2019, 481, 35-43.	3.2	15
20	Acute effects of the translocator protein drug ligand FGIN-1-27 on serum testosterone and luteinizing hormone levels in male Sprague-Dawley rats. <i>Biology of Reproduction</i> , 2019, 100, 824-832.	2.7	7
21	Long-term maintenance of luteinizing hormone-responsive testosterone formation by primary rat Leydig cells in vitro. <i>Molecular and Cellular Endocrinology</i> , 2018, 476, 48-56.	3.2	14
22	Nasal delivery of nerve growth factor rescue hypogonadism by up-regulating GnRH and testosterone in aging male mice. <i>EBioMedicine</i> , 2018, 35, 295-306.	6.1	27
23	Leydig Cell Development and Aging in the Brown Norway Rat. , 2018, , 853-862.		2
24	Direct Reprogramming of Mouse Fibroblasts toward Leydig-like Cells by Defined Factors. <i>Stem Cell Reports</i> , 2017, 8, 39-53.	4.8	53
25	Steroidogenesis in Leydig cells: effects of aging and environmental factors. <i>Reproduction</i> , 2017, 154, R111-R122.	2.6	173
26	Leydig cell stem cells: Identification, proliferation and differentiation. <i>Molecular and Cellular Endocrinology</i> , 2017, 445, 65-73.	3.2	111
27	Insights into the Development of the Adult Leydig Cell Lineage from Stem Leydig Cells. <i>Frontiers in Physiology</i> , 2017, 8, 430.	2.8	200
28	Age and testosterone mediate influenza pathogenesis in male mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L1234-L1244.	2.9	71
29	Repeated exposures of the male Sprague Dawley rat reproductive tract to environmental toxicants: Do earlier exposures to di-(2-ethylhexyl)phthalate (DEHP) alter the effects of later exposures?. <i>Reproductive Toxicology</i> , 2016, 61, 136-141.	2.9	10
30	Transplantation of alginate-encapsulated seminiferous tubules and interstitial tissue into adult rats: Leydig stem cell differentiation in vivo?. <i>Molecular and Cellular Endocrinology</i> , 2016, 436, 250-258.	3.2	11
31	Regulation of seminiferous tubule-associated stem Leydig cells in adult rat testes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2666-2671.	7.1	127
32	Mechanism of Testosterone Deficiency in the Transgenic Sickle Cell Mouse. <i>PLoS ONE</i> , 2015, 10, e0128694.	2.5	14
33	Knockout of the transcription factor Nrf2: Effects on testosterone production by aging mouse Leydig cells. <i>Molecular and Cellular Endocrinology</i> , 2015, 409, 113-120.	3.2	53
34	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.	2.8	22
35	Regulation of the Proliferation and Differentiation of Leydig Stem Cells in the Adult Testis1. <i>Biology of Reproduction</i> , 2014, 90, 123.	2.7	54
36	Microsurgical Rat Varicocele Model. <i>Journal of Urology</i> , 2014, 191, 548-553.	0.4	13

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37	Oxidative stress and phthalate-induced down-regulation of steroidogenesis in MA-10 Leydig cells. <i>Reproductive Toxicology</i> , 2013, 42, 95-101.	2.9	59
38	Aging and Luteinizing Hormone Effects on Reactive Oxygen Species Production and DNA Damage in Rat Leydig Cells. <i>Biology of Reproduction</i> , 2013, 88, 100.	2.7	48
39	Identification, Proliferation, and Differentiation of Adult Leydig Stem Cells. <i>Endocrinology</i> , 2012, 153, 5002-5010.	2.8	104
40	Stem Leydig Cell Differentiation: Gene Expression During Development of the Adult Rat Population of Leydig Cells. <i>Biology of Reproduction</i> , 2011, 85, 1161-1166.	2.7	61
41	Stem Leydig cells: From fetal to aged animals. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2010, 90, 272-283.	3.6	74
42	Molecular Mechanisms Mediating the Effect of Mono-(2-Ethylhexyl) Phthalate on Hormone-Stimulated Steroidogenesis in MA-10 Mouse Tumor Leydig Cells. <i>Endocrinology</i> , 2010, 151, 3348-3362.	2.8	78
43	Effect of glutathione redox state on Leydig cell susceptibility to acute oxidative stress. <i>Molecular and Cellular Endocrinology</i> , 2010, 323, 147-154.	3.2	42
44	Identification and Function of Putative Stem Leydig Cells in the Adult Rat Testis. <i>Biology of Reproduction</i> , 2010, 83, 22-22.	2.7	0
45	Leydig cell aging and the mechanisms of reduced testosterone synthesis. <i>Molecular and Cellular Endocrinology</i> , 2009, 299, 23-31.	3.2	164
46	Leydig cells: From stem cells to aging. <i>Molecular and Cellular Endocrinology</i> , 2009, 306, 9-16.	3.2	224
47	Effect of Glutathione Depletion on Leydig Cell Steroidogenesis in Young and Old Brown Norway Rats. <i>Endocrinology</i> , 2008, 149, 2612-2619.	2.8	42
48	Cyclooxygenases in Rat Leydig Cells: Effects of Luteinizing Hormone and Aging. <i>Endocrinology</i> , 2007, 148, 735-742.	2.8	33
49	Aging and the Brown Norway Rat Leydig Cell Antioxidant Defense System. <i>Journal of Andrology</i> , 2006, 27, 240-247.	2.0	107
50	Aging and caloric restriction: Effects on Leydig cell steroidogenesis. <i>Experimental Gerontology</i> , 2005, 40, 498-505.	2.8	25
51	Vitamin E, aging and Leydig cell steroidogenesis. <i>Experimental Gerontology</i> , 2005, 40, 728-736.	2.8	93
52	Temporal relationships among testosterone production, steroidogenic acute regulatory protein (StAR), and P450 side-chain cleavage enzyme (P450scc) during Leydig cell aging. <i>Journal of Andrology</i> , 2005, 26, 25-31.	2.0	38
53	Dibutylryl Cyclic Adenosine Monophosphate Restores the Ability of Aged Leydig Cells to Produce Testosterone at the High Levels Characteristic of Young Cells. <i>Endocrinology</i> , 2004, 145, 4441-4446.	2.8	44
54	Leydig cell gene expression: effects of age and caloric restriction. <i>Experimental Gerontology</i> , 2004, 39, 31-43.	2.8	35

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55	Gene expression by the anterior pituitary gland: effects of age and caloric restriction. <i>Molecular and Cellular Endocrinology</i> , 2004, 222, 21-31.	3.2	15
56	Age-Related Decreases in Leydig Cell Testosterone Production Are Not Restored by Exposure to LH in Vitro. <i>Endocrinology</i> , 2002, 143, 1637-1642.	2.8	95
57	Age-Related Decreases in Leydig Cell Testosterone Production Are Not Restored by Exposure to LH in Vitro. <i>Endocrinology</i> , 2002, 143, 1637-1642.	2.8	16
58	Cholesterol transport, peripheral benzodiazepine receptor, and steroidogenesis in aging Leydig cells. <i>Journal of Andrology</i> , 2002, 23, 439-47.	2.0	48
59	Age-related increase in mitochondrial superoxide generation in the testosterone-producing cells of Brown Norway rat testes: relationship to reduced steroidogenic function?. <i>Experimental Gerontology</i> , 2001, 36, 1361-1373.	2.8	122
60	Regulation of Leydig Cell Steroidogenic Function During Aging. <i>Biology of Reproduction</i> , 2000, 63, 977-981.	2.7	229