

# Caiqiao Zhang

## List of Publications by Year in descending order

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69  
papers

1,457  
citations

304743

22  
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395702

33  
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71  
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71  
docs citations

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times ranked

1289  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protective Effect of Quercetin on Cadmium-Induced Oxidative Toxicity on Germ Cells in Male Mice. <i>Anatomical Record</i> , 2011, 294, 520-526.	1.4	93
2	Lycopene ameliorates oxidative stress in the aging chicken ovary via activation of Nrf2/HO-1 pathway. <i>Aging</i> , 2018, 10, 2016-2036.	3.1	87
3	Quercetin attenuates cadmium-induced oxidative damage and apoptosis in granulosa cells from chicken ovarian follicles. <i>Reproductive Toxicology</i> , 2011, 31, 477-485.	2.9	78
4	Grape Seed Proanthocyanidin Extract Prevents Ovarian Aging by Inhibiting Oxidative Stress in the Hens. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-16.	4.0	71
5	G Protein-Coupled Receptor 30 Mediates Estrogen-Induced Proliferation of Primordial Germ Cells Via EGFR/Akt/ $\beta$ -Catenin Signaling Pathway. <i>Endocrinology</i> , 2012, 153, 3504-3516.	2.8	59
6	Estrogen stimulates expression of chicken hepatic vitellogenin II and very low-density apolipoprotein II through ER- $\alpha$ . <i>Theriogenology</i> , 2014, 82, 517-524.	2.1	50
7	Effect of estrogen on chick primordial follicle development and activation. <i>Cell Biology International</i> , 2017, 41, 630-638.	3.0	45
8	Aptamer-modified sensitive nanobiosensors for the specific detection of antibiotics. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8607-8613.	5.8	42
9	Estrogenic and antioxidant effects of a phytoestrogen daidzein on ovarian germ cells in embryonic chickens. <i>Domestic Animal Endocrinology</i> , 2006, 31, 258-268.	1.6	38
10	Ameliorative effect of grape seed proanthocyanidin extract on thioacetamide-induced mouse hepatic fibrosis. <i>Toxicology Letters</i> , 2012, 213, 353-360.	0.8	35
11	RALDH2, the enzyme for retinoic acid synthesis, mediates meiosis initiation in germ cells of the female embryonic chickens. <i>Amino Acids</i> , 2013, 44, 405-412.	2.7	35
12	Effects of follicle-stimulating hormone and androgen on proliferation of cultured testicular germ cells of embryonic chickens. <i>General and Comparative Endocrinology</i> , 2004, 138, 237-246.	1.8	29
13	Quercetin Protects Spermatogonial Cells from 2,4-D-Induced Oxidative Damage in Embryonic Chickens. <i>Journal of Reproduction and Development</i> , 2007, 53, 749-754.	1.4	28
14	Basic fibroblast growth factor promotes prehierarchical follicle growth and yolk deposition in the chicken. <i>Theriogenology</i> , 2019, 139, 90-97.	2.1	27
15	Proliferating effects of the flavonoids daidzein and quercetin on cultured chicken primordial germ cells through antioxidant action. <i>Cell Biology International</i> , 2006, 30, 445-451.	3.0	26
16	Epidermal Growth Factor-Induced Proliferation of Chicken Primordial Germ Cells: Involvement of Calcium/Protein Kinase C and NFKB11. <i>Biology of Reproduction</i> , 2009, 80, 528-536.	2.7	26
17	The promoting effect of retinoic acid on proliferation of chicken primordial germ cells by increased expression of cadherin and catenins. <i>Amino Acids</i> , 2011, 40, 933-941.	2.7	25
18	Gonadotropins regulate ovarian germ cell mitosis/meiosis decision in the embryonic chicken. <i>Molecular and Cellular Endocrinology</i> , 2013, 370, 32-41.	3.2	25

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19	Transcriptome profiling analysis of underlying regulation of growing follicle development in the chicken. <i>Poultry Science</i> , 2020, 99, 2861-2872.	3.4	25
20	Protective effects of antioxidant vitamins on Aroclor 1254-induced toxicity in cultured chicken embryo hepatocytes. <i>Toxicology in Vitro</i> , 2005, 19, 665-673.	2.4	24
21	Quercetin protects embryonic chicken spermatogonial cells from oxidative damage intoxicated with 3-methyl-4-nitrophenol in primary culture. <i>Toxicology Letters</i> , 2009, 190, 61-65.	0.8	24
22	Prostaglandin involvement in follicle-stimulating hormone-induced proliferation of granulosa cells from chicken prehierarchical follicles. <i>Prostaglandins and Other Lipid Mediators</i> , 2006, 81, 45-54.	1.9	22
23	Protective Effect of Quercetin on the Reproductive Toxicity of 4-nitrophenol in Diesel Exhaust Particles on Male Embryonic Chickens. <i>Journal of Reproduction and Development</i> , 2010, 56, 195-199.	1.4	22
24	Taurine regulates mucosal barrier function to alleviate lipopolysaccharide-induced duodenal inflammation in chicken. <i>Amino Acids</i> , 2018, 50, 1637-1646.	2.7	20
25	Estrogenic and toxic effects of polychlorinated biphenyls on cultured ovarian germ cells of embryonic chickens. <i>Reproductive Toxicology</i> , 2004, 19, 79-86.	2.9	18
26	Effect of prostaglandin on luteinizing hormone-stimulated proliferation of theca externa cells from chicken prehierarchical follicles. <i>Prostaglandins and Other Lipid Mediators</i> , 2010, 92, 77-84.	1.9	18
27	Reciprocal stimulating effects of bFGF and FSH on chicken primordial follicle activation through AKT and ERK pathway. <i>Theriogenology</i> , 2019, 132, 27-35.	2.1	18
28	Effect of dietary N-carbamylglutamate on development of ovarian follicles via enhanced angiogenesis in the chicken. <i>Poultry Science</i> , 2020, 99, 578-589.	3.4	18
29	The Attenuating Effect of the Intraovarian Bone Morphogenetic Protein 4 on Age-Related Endoplasmic Reticulum Stress in Chicken Follicular Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-17.	4.0	18
30	Basic fibroblast growth factor suppresses meiosis and promotes mitosis of ovarian germ cells in embryonic chickens. <i>General and Comparative Endocrinology</i> , 2012, 176, 173-181.	1.8	17
31	Supplementation With Quercetin Attenuates 4-Nitrophenol-Induced Testicular Toxicity in Adult Male Mice. <i>Anatomical Record</i> , 2013, 296, 1650-1657.	1.4	17
32	Interaction of Follicle-Stimulating Hormone and Stem Cell Factor to Promote Primordial Follicle Assembly in the Chicken. <i>Frontiers in Endocrinology</i> , 2019, 10, 91.	3.5	17
33	Metformin Prevents Follicular Atresia in Aging Laying Chickens through Activation of PI3K/AKT and Calcium Signaling Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-23.	4.0	17
34	Effects of follicle-stimulating hormone and 17 $\beta$ -estradiol on proliferation of chicken embryonic ovarian germ cells in culture. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2004, 139, 521-526.	1.8	16
35	Toxic and hormonal effects of polychlorinated biphenyls on cultured testicular germ cells of embryonic chickens. <i>Toxicology Letters</i> , 2005, 155, 297-305.	0.8	16
36	Ginsenosides promote proliferation of granulosa cells from chicken prehierarchical follicles through PKC activation and up-regulated cyclin gene expression. <i>Cell Biology International</i> , 2010, 34, 769-775.	3.0	16

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37	Retinoic acid promotes proliferation of chicken primordial germ cells via activation of PI3K/Akt-mediated NF- $\kappa$ B signalling cascade. <i>Cell Biology International</i> , 2012, 36, 705-712.	3.0	16
38	Coherent apoptotic and autophagic activities involved in regression of chicken postovulatory follicles. <i>Aging</i> , 2018, 10, 819-832.	3.1	16
39	Induced Multilineage Differentiation of Chicken Embryonic Germ Cells via Embryoid Body Formation. <i>Stem Cells and Development</i> , 2010, 19, 195-202.	2.1	13
40	Ameliorative Effect of Grape Seed Proanthocyanidin Extract on Cadmium-Induced Meiosis Inhibition During Oogenesis in Chicken Embryos. <i>Anatomical Record</i> , 2016, 299, 450-460.	1.4	13
41	Lactobacillus salivarius and Lactobacillus agilis feeding regulates intestinal stem cells activity by modulating crypt niche in hens. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 8823-8835.	3.6	13
42	Improvement of eggshell quality by dietary N-carbamylglutamate supplementation in laying chickens. <i>Poultry Science</i> , 2020, 99, 4085-4095.	3.4	12
43	Stimulating effects of androgen on proliferation of cultured ovarian germ cells through androgenic and estrogenic actions in embryonic chickens. <i>Domestic Animal Endocrinology</i> , 2005, 28, 451-462.	1.6	11
44	Ginsenosides promote proliferation of chicken primordial germ cells via PKC-involved activation of NF- $\kappa$ B. <i>Cell Biology International</i> , 2007, 31, 1251-1256.	3.0	11
45	A biomimetic collagen/heparin multi-layered porous hydroxyapatite orbital implant for in vivo vascularization studies on the chicken chorioallantoic membrane. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 83-89.	1.9	11
46	Naringin prevents follicular atresia by inhibiting oxidative stress in the aging chicken. <i>Poultry Science</i> , 2022, 101, 101891.	3.4	11
47	Activation of protein kinases A and C promoted proliferation of chicken primordial germ cells. <i>Animal Reproduction Science</i> , 2007, 101, 295-303.	1.5	10
48	Progesterone regulates chicken embryonic germ cell meiotic initiation independent of retinoic acid signaling. <i>Theriogenology</i> , 2014, 82, 195-203.	2.1	10
49	Involvement of Notch signaling in early chick ovarian follicle development. <i>Cell Biology International</i> , 2016, 40, 65-73.	3.0	10
50	Isolation and culture of chicken growing follicles in 2- and 3-dimensional models. <i>Theriogenology</i> , 2018, 111, 43-51.	2.1	10
51	TGF- $\beta$ 1-induced collagen promotes chicken ovarian follicle development via an intercellular cooperative pattern. <i>Cell Biology International</i> , 2021, 45, 1336-1348.	3.0	10
52	Promotion of the prehierarchal follicle growth by postovulatory follicles involving PGE <sub>2</sub> -EP2 signaling in chickens. <i>Journal of Cellular Physiology</i> , 2018, 233, 8984-8995.	4.1	10
53	Enhancing effect of FSH on follicular development through yolk formation and deposition in the low-yield laying chickens. <i>Theriogenology</i> , 2020, 157, 418-430.	2.1	9
54	Transplantation of predominant <i>Lactobacilli</i> from native hens to commercial hens could indirectly regulate their ISC activity by improving intestinal microbiota. <i>Microbial Biotechnology</i> , 2022, 15, 1235-1252.	4.2	9

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55	Ginsenosides Promote Proliferation of Cultured Ovarian Germ Cells Involving Protein Kinase C-mediated System in Embryonic Chickens. <i>Asian-Australasian Journal of Animal Sciences</i> , 2006, 19, 958-963.	2.4	9
56	Protective Effect of Grape Seed Proanthocyanidins on Oxidative Damage of Chicken Follicular Granulosa Cells by Inhibiting FoxO1-Mediated Autophagy. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 762228.	3.7	9
57	Melatonin Improves Laying Performance by Enhancing Intestinal Amino Acids Transport in Hens. <i>Frontiers in Endocrinology</i> , 2018, 9, 426.	3.5	8
58	Sex-specific effects of androgen and estrogen on proliferation of the embryonic chicken hypothalamic neurons. <i>Endocrine</i> , 2007, 31, 161-166.	2.3	7
59	Paneth cells mediated the response of intestinal stem cells at the early stage of intestinal inflammation in the chicken. <i>Poultry Science</i> , 2021, 100, 615-622.	3.4	7
60	LIF and bFGF enhanced chicken primordial follicle activation by Wnt/ $\beta$ 2-catenin pathway. <i>Theriogenology</i> , 2021, 176, 1-11.	2.1	7
61	Leukemia inhibitory factor prevents chicken follicular atresia through PI3K/AKT and Stat3 signaling pathways. <i>Molecular and Cellular Endocrinology</i> , 2022, 543, 111550.	3.2	7
62	Pro-proliferating effect of homologous somatic cells on chicken primordial germ cells. <i>Cell Biology International</i> , 2007, 31, 1016-1021.	3.0	6
63	Interactive actions of prostaglandin and epidermal growth factor to enhance proliferation of granulosa cells from chicken prehierarchical follicles. <i>Prostaglandins and Other Lipid Mediators</i> , 2007, 83, 285-294.	1.9	6
64	Prostaglandin E2 and insulin-like growth factor I interact to enhance proliferation of theca externa cells from chicken prehierarchical follicles. <i>Prostaglandins and Other Lipid Mediators</i> , 2013, 106, 91-98.	1.9	6
65	Ginsenosides promote meiotic maturation of mouse oocytes in cumulus-oocyte complexes involving increased expression of nitric oxide synthase. <i>Nutrition Research</i> , 2006, 26, 585-590.	2.9	5
66	Protective Effect of Follicle-Stimulating Hormone on DNA Damage of Chicken Follicular Granulosa Cells by Inhibiting CHK2/p53. <i>Cells</i> , 2022, 11, 1291.	4.1	5
67	TGF $\beta$ 1 sustains germ cell cyst reservoir via restraining follicle formation in the chicken. <i>Cell Biology International</i> , 2020, 44, 861-872.	3.0	4
68	Isolation and culture of chicken primordial follicles. <i>Poultry Science</i> , 2015, 94, 2576-2580.	3.4	2
69	Autophagy participates in germline cyst breakdown and follicular formation by modulating glycolysis switch via Akt signaling in newly-hatched chicken ovaries. <i>Developmental Biology</i> , 2022, 487, 122-133.	2.0	2