Bo Xiong

List of Publications by Year
in descending order

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49 papers	1,422 citations	361413 20 h-index	345221 36 g-index
49 all docs	49 docs citations	49 times ranked	1510 citing authors

#	Article	IF	Citations
1	Transglutaminase 2 crosslinks zona pellucida glycoprotein 3 to prevent polyspermy. Cell Death and Differentiation, 2022, 29, 1466-1473.	11.2	4
2	Supplementation of nicotinamide mononucleotide improves the quality of postovulatory aged porcine oocytes. Journal of Molecular Cell Biology, 2022, 14, .	3.3	4
3	Nicotinamide mononucleotide supplementation improves the quality of porcine oocytes under heat stress. Journal of Animal Science and Biotechnology, 2022, 13, .	5.3	4
4	Commentary. Redox Biology, 2021, 38, 101831.	9.0	0
5	Proteome landscape and spatial map of mouse primordial germ cells. Science China Life Sciences, 2021, 64, 966-981.	4.9	3
6	Nicotinamide Mononucleotide Restores the Meiotic Competency of Porcine Oocytes Exposed to Ethylene Glycol Butyl Ether. Frontiers in Cell and Developmental Biology, 2021, 9, 628580.	3.7	8
7	SIRT6 Maintains Redox Homeostasis to Promote Porcine Oocyte Maturation. Frontiers in Cell and Developmental Biology, 2021, 9, 625540.	3.7	5
8	Generation and assessment of high-quality mouse oocytes and embryos following nicotinamide mononucleotide administration. STAR Protocols, 2021, 2, 100298.	1.2	1
9	Ethylene glycol butyl ether deteriorates oocyte quality via impairing mitochondrial function. FASEB Journal, 2021, 35, e21280.	0.5	5
10	WAPL orchestrates porcine oocyte meiotic progression via control of spindle assembly checkpoint activity. Reproductive Biology and Endocrinology, 2021, 19, 57.	3.3	1
11	Exposure to Copper Compromises the Maturational Competency of Porcine Oocytes by Impairing Mitochondrial Function. Frontiers in Cell and Developmental Biology, 2021, 9, 678665.	3.7	7
12	HDAC8 drives spindle organization during meiotic maturation of porcine oocytes. Cell Proliferation, 2021, 54, e13119.	5.3	9
13	The cohesin stabilizer Sororin drives G ₂ -M transition and spindle assembly in mammalian oocytes. Science Advances, 2021, 7, eabg9335.	10.3	5
14	Exposure to perfluorooctane sulfonate in vitro perturbs the quality of porcine oocytes via induction of apoptosis. Environmental Pollution, 2021, 284, 117508.	7.5	12
15	Insufficiency of melatonin in follicular fluid is a reversible cause for advanced maternal age-related aneuploidy in oocytes. Redox Biology, 2020, 28, 101327.	9.0	50
16	Nicotinamide Mononucleotide Supplementation Reverses the Declining Quality of Maternally Aged Oocytes. Cell Reports, 2020, 32, 107987.	6.4	131
17	Melatonin ameliorates the fertilization capacity of oocytes exposed to 17Î±-ethynylestradiol. Reproductive Toxicology, 2020, 93, 61-67.	2.9	7
18	The cohesin release factor Wapl interacts with Bub3 to govern SAC activity in female meiosis I. Science Advances, 2020, 6, eaax3969.	10.3	7

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19	Shoutai pills improve the quality of oocytes exposed to the chemotherapeutic drug Hydroxyurea. Aging, 2020, 12, 8473-8483.	3.1	3
20	Distinct roles of cohesin acetyltransferases Esco1 and Esco2 in porcine oocyte meiosis I. Cell Cycle, 2019, 18, 2481-2494.	2.6	0
21	Vitamin C protects carboplatin-exposed oocytes from meiotic failure. Molecular Human Reproduction, 2019, 25, 601-613.	2.8	8
22	Coenzyme Q10 ameliorates the quality of postovulatory aged oocytes by suppressing DNA damage and apoptosis. Free Radical Biology and Medicine, 2019, 143, 84-94.	2.9	60
23	Glutathione alleviates the cadmium exposure-caused porcine oocyte meiotic defects via eliminating the excessive ROS. Environmental Pollution, 2019, 255, 113194.	7.5	42
24	BRCA2 deficiency is a potential driver for human primary ovarian insufficiency. Cell Death and Disease, 2019, 10, 474.	6.3	28
25	Brefeldin A impairs porcine oocyte meiotic maturation via interruption of organelle dynamics. Journal of Cellular Physiology, 2019, 234, 20111-20117.	4.1	8
26	HDAC3 inhibition disrupts the assembly of meiotic apparatus during porcine oocyte maturation. Journal of Cellular Physiology, 2019, 234, 10178-10183.	4.1	6
27	Exposure to aristolochic acid I compromises the maturational competency of porcine oocytes via oxidative stress-induced DNA damage. Aging, 2019, 11, 2241-2252.	3.1	23
28	Tea polyphenol protects against cisplatin-induced meiotic defects in porcine oocytes. Aging, 2019, 11, 4706-4719.	3.1	17
29	The cohesion establishment factor Esco1 acetylates Î±-tubulin to ensure proper spindle assembly in oocyte meiosis. Nucleic Acids Research, 2018, 46, 2335-2346.	14.5	29
30	The protective role of melatonin in porcine oocyte meiotic failure caused by the exposure to benzo(a)pyrene. Human Reproduction, 2018, 33, 116-127.	0.9	57
31	BaP exposure causes oocyte meiotic arrest and fertilization failure to weaken female fertility. FASEB Journal, 2018, 32, 342-352.	0.5	56
32	Postovulatory aging causes the deterioration of porcine oocytes via induction of oxidative stress. FASEB Journal, 2018, 32, 1328-1337.	0.5	56
33	Eg5 orchestrates porcine oocyte maturational progression by maintaining meiotic organelle arrangement. Cell Division, 2018, 13, 4.	2.4	4
34	Smc1Î² is required for activation of SAC during mouse oocyte meiosis. Cell Cycle, 2017, 16, 536-544.	2.6	14
35	Melatonin protects oocyte quality from Bisphenol Aâ€induced deterioration in the mouse. Journal of Pineal Research, 2017, 62, e12396.	7.4	74
36	Melatonin improves the fertilization ability of post-ovulatory aged mouse oocytes by stabilizing ovastacin and Juno to promote sperm binding and fusion. Human Reproduction, 2017, 32, 598-606.	0.9	47

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37	Dynein promotes porcine oocyte meiotic progression by maintaining cytoskeletal structures and cortical granule arrangement. Cell Cycle, 2017, 16, 2139-2145.	2.6	10
38	Cohesin acetyltransferase Esco2 regulates SAC and kinetochore functions via maintaining H4K16 acetylation during mouse oocyte meiosis. Nucleic Acids Research, 2017, 45, 9388-9397.	14.5	26
39	A Unique Egg Cortical Granule Localization Motif Is Required for Ovastacin Sequestration to Prevent Premature ZP2 Cleavage and Ensure Female Fertility in Mice. PLoS Genetics, 2017, 13, e1006580.	3.5	40
40	Stag3 regulates microtubule stability to maintain euploidy during mouse oocyte meiotic maturation. Oncotarget, 2017, 8, 1593-1602.	1.8	18
41	HDAC8 functions in spindle assembly during mouse oocyte meiosis. Oncotarget, 2017, 8, 20092-20102.	1.8	22
42	Genetic mosaics and time-lapse imaging identify functions of H3.3 residues in mouse oocytes and embryos. Development (Cambridge), 2016, 144, 519-528.	2.5	8
43	Cullin9 protects mouse eggs from aneuploidy by controlling microtubule dynamics via Survivin. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 2934-2941.	4.1	10
44	Melamine Impairs Female Fertility via Suppressing Protein Level of Juno in Mouse Eggs. PLoS ONE, 2015, 10, e0144248.	2.5	10
45	ROCK inhibitor Y-27632 prevents porcine oocyte maturation. Theriogenology, 2014, 82, 49-56.	2.1	22
46	The molecular basis of gamete recognition in mice and humans. Molecular Human Reproduction, 2013, 19, 279-289.	2.8	110
47	Ovastacin, a cortical granule protease, cleaves ZP2 in the zona pellucida to prevent polyspermy. Journal of Cell Biology, 2012, 197, 37-44.	5.2	241
48	Hos1 Is a Lysine Deacetylase for the Smc3 Subunit of Cohesin. Current Biology, 2010, 20, 1660-1665.	3.9	66
49	Regulators of the Cohesin Network. Annual Review of Biochemistry, 2010, 79, 131-153.	11.1	44