

# Bo Xiong

## List of Publications by Year in descending order

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49  
papers

1,422  
citations

361045

20  
h-index

344852

36  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1510  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ovastacin, a cortical granule protease, cleaves ZP2 in the zona pellucida to prevent polyspermy. <i>Journal of Cell Biology</i> , 2012, 197, 37-44.	2.3	241
2	Nicotinamide Mononucleotide Supplementation Reverses the Declining Quality of Maternally Aged Oocytes. <i>Cell Reports</i> , 2020, 32, 107987.	2.9	131
3	The molecular basis of gamete recognition in mice and humans. <i>Molecular Human Reproduction</i> , 2013, 19, 279-289.	1.3	110
4	Melatonin protects oocyte quality from Bisphenol A-induced deterioration in the mouse. <i>Journal of Pineal Research</i> , 2017, 62, e12396.	3.4	74
5	Hos1 Is a Lysine Deacetylase for the Smc3 Subunit of Cohesin. <i>Current Biology</i> , 2010, 20, 1660-1665.	1.8	66
6	Coenzyme Q10 ameliorates the quality of postovulatory aged oocytes by suppressing DNA damage and apoptosis. <i>Free Radical Biology and Medicine</i> , 2019, 143, 84-94.	1.3	60
7	The protective role of melatonin in porcine oocyte meiotic failure caused by the exposure to benzo(a)pyrene. <i>Human Reproduction</i> , 2018, 33, 116-127.	0.4	57
8	BaP exposure causes oocyte meiotic arrest and fertilization failure to weaken female fertility. <i>FASEB Journal</i> , 2018, 32, 342-352.	0.2	56
9	Postovulatory aging causes the deterioration of porcine oocytes via induction of oxidative stress. <i>FASEB Journal</i> , 2018, 32, 1328-1337.	0.2	56
10	Insufficiency of melatonin in follicular fluid is a reversible cause for advanced maternal age-related aneuploidy in oocytes. <i>Redox Biology</i> , 2020, 28, 101327.	3.9	50
11	Melatonin improves the fertilization ability of post-ovulatory aged mouse oocytes by stabilizing ovastacin and Juno to promote sperm binding and fusion. <i>Human Reproduction</i> , 2017, 32, 598-606.	0.4	47
12	Regulators of the Cohesin Network. <i>Annual Review of Biochemistry</i> , 2010, 79, 131-153.	5.0	44
13	Glutathione alleviates the cadmium exposure-caused porcine oocyte meiotic defects via eliminating the excessive ROS. <i>Environmental Pollution</i> , 2019, 255, 113194.	3.7	42
14	A Unique Egg Cortical Granule Localization Motif Is Required for Ovastacin Sequestration to Prevent Premature ZP2 Cleavage and Ensure Female Fertility in Mice. <i>PLoS Genetics</i> , 2017, 13, e1006580.	1.5	40
15	The cohesion establishment factor Esco1 acetylates $\alpha$ -tubulin to ensure proper spindle assembly in oocyte meiosis. <i>Nucleic Acids Research</i> , 2018, 46, 2335-2346.	6.5	29
16	BRCA2 deficiency is a potential driver for human primary ovarian insufficiency. <i>Cell Death and Disease</i> , 2019, 10, 474.	2.7	28
17	Cohesin acetyltransferase Esco2 regulates SAC and kinetochore functions via maintaining H4K16 acetylation during mouse oocyte meiosis. <i>Nucleic Acids Research</i> , 2017, 45, 9388-9397.	6.5	26
18	Exposure to aristolochic acid I compromises the maturational competency of porcine oocytes via oxidative stress-induced DNA damage. <i>Aging</i> , 2019, 11, 2241-2252.	1.4	23

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19	ROCK inhibitor Y-27632 prevents porcine oocyte maturation. <i>Theriogenology</i> , 2014, 82, 49-56.	0.9	22
20	HDAC8 functions in spindle assembly during mouse oocyte meiosis. <i>Oncotarget</i> , 2017, 8, 20092-20102.	0.8	22
21	Stag3 regulates microtubule stability to maintain euploidy during mouse oocyte meiotic maturation. <i>Oncotarget</i> , 2017, 8, 1593-1602.	0.8	18
22	Tea polyphenol protects against cisplatin-induced meiotic defects in porcine oocytes. <i>Aging</i> , 2019, 11, 4706-4719.	1.4	17
23	Smc1 <sup>Δ2</sup> is required for activation of SAC during mouse oocyte meiosis. <i>Cell Cycle</i> , 2017, 16, 536-544.	1.3	14
24	Exposure to perfluorooctane sulfonate in vitro perturbs the quality of porcine oocytes via induction of apoptosis. <i>Environmental Pollution</i> , 2021, 284, 117508.	3.7	12
25	Cullin9 protects mouse eggs from aneuploidy by controlling microtubule dynamics via Survivin. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2934-2941.	1.9	10
26	Dynein promotes porcine oocyte meiotic progression by maintaining cytoskeletal structures and cortical granule arrangement. <i>Cell Cycle</i> , 2017, 16, 2139-2145.	1.3	10
27	Melamine Impairs Female Fertility via Suppressing Protein Level of Juno in Mouse Eggs. <i>PLoS ONE</i> , 2015, 10, e0144248.	1.1	10
28	HDAC8 drives spindle organization during meiotic maturation of porcine oocytes. <i>Cell Proliferation</i> , 2021, 54, e13119.	2.4	9
29	Genetic mosaics and time-lapse imaging identify functions of H3.3 residues in mouse oocytes and embryos. <i>Development (Cambridge)</i> , 2016, 144, 519-528.	1.2	8
30	Vitamin C protects carboplatin-exposed oocytes from meiotic failure. <i>Molecular Human Reproduction</i> , 2019, 25, 601-613.	1.3	8
31	Brefeldin A impairs porcine oocyte meiotic maturation via interruption of organelle dynamics. <i>Journal of Cellular Physiology</i> , 2019, 234, 20111-20117.	2.0	8
32	Nicotinamide Mononucleotide Restores the Meiotic Competency of Porcine Oocytes Exposed to Ethylene Glycol Butyl Ether. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 628580.	1.8	8
33	Melatonin ameliorates the fertilization capacity of oocytes exposed to 17 $\beta$ -ethynylestradiol. <i>Reproductive Toxicology</i> , 2020, 93, 61-67.	1.3	7
34	The cohesin release factor Wapl interacts with Bub3 to govern SAC activity in female meiosis I. <i>Science Advances</i> , 2020, 6, eaax3969.	4.7	7
35	Exposure to Copper Compromises the Maturation Competency of Porcine Oocytes by Impairing Mitochondrial Function. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 678665.	1.8	7
36	HDAC3 inhibition disrupts the assembly of meiotic apparatus during porcine oocyte maturation. <i>Journal of Cellular Physiology</i> , 2019, 234, 10178-10183.	2.0	6

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37	SIRT6 Maintains Redox Homeostasis to Promote Porcine Oocyte Maturation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 625540.	1.8	5
38	Ethylene glycol butyl ether deteriorates oocyte quality via impairing mitochondrial function. <i>FASEB Journal</i> , 2021, 35, e21280.	0.2	5
39	The cohesin stabilizer Sororin drives G <sub>2</sub> -M transition and spindle assembly in mammalian oocytes. <i>Science Advances</i> , 2021, 7, eabg9335.	4.7	5
40	Eg5 orchestrates porcine oocyte maturational progression by maintaining meiotic organelle arrangement. <i>Cell Division</i> , 2018, 13, 4.	1.1	4
41	Transglutaminase 2 crosslinks zona pellucida glycoprotein 3 to prevent polyspermy. <i>Cell Death and Differentiation</i> , 2022, 29, 1466-1473.	5.0	4
42	Supplementation of nicotinamide mononucleotide improves the quality of postovulatory aged porcine oocytes. <i>Journal of Molecular Cell Biology</i> , 2022, 14, .	1.5	4
43	Nicotinamide mononucleotide supplementation improves the quality of porcine oocytes under heat stress. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, .	2.1	4
44	Proteome landscape and spatial map of mouse primordial germ cells. <i>Science China Life Sciences</i> , 2021, 64, 966-981.	2.3	3
45	Shoutai pills improve the quality of oocytes exposed to the chemotherapeutic drug Hydroxyurea. <i>Aging</i> , 2020, 12, 8473-8483.	1.4	3
46	Generation and assessment of high-quality mouse oocytes and embryos following nicotinamide mononucleotide administration. <i>STAR Protocols</i> , 2021, 2, 100298.	0.5	1
47	WAPL orchestrates porcine oocyte meiotic progression via control of spindle assembly checkpoint activity. <i>Reproductive Biology and Endocrinology</i> , 2021, 19, 57.	1.4	1
48	Distinct roles of cohesin acetyltransferases Esco1 and Esco2 in porcine oocyte meiosis I. <i>Cell Cycle</i> , 2019, 18, 2481-2494.	1.3	0
49	Commentary. <i>Redox Biology</i> , 2021, 38, 101831.	3.9	0