You-Qiang Su

List of Publications by Year
in descending order

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42	5,184	172207	288905
papers	citations	29 h-index	40 g-index

43	43	43	3593
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	EGF-Like Growth Factors As Mediators of LH Action in the Ovulatory Follicle. Science, 2004, 303, 682-684.	6.0	895
2	Granulosa Cell Ligand NPPC and Its Receptor NPR2 Maintain Meiotic Arrest in Mouse Oocytes. Science, 2010, 330, 366-369.	6.0	490
3	Oocyte regulation of metabolic cooperativity between mouse cumulus cells and oocytes: BMP15 and GDF9 control cholesterol biosynthesis in cumulus cells. Development (Cambridge), 2008, 135, 111-121.	1.2	339
4	Synergistic roles of BMP15 and GDF9 in the development and function of the oocyteâ€“cumulus cell complex in mice: genetic evidence for an oocyteâ€“granulosa cell regulatory loop. Developmental Biology, 2004, 276, 64-73.	0.9	310
5	Role of the Epidermal Growth Factor Network in Ovarian Follicles. Molecular Endocrinology, 2006, 20, 715-723.	3.7	303
6	Mouse Oocyte Control of Granulosa Cell Development and Function: Paracrine Regulation of Cumulus Cell Metabolism. Seminars in Reproductive Medicine, 2009, 27, 032-042.	0.5	292
7	Selective degradation of transcripts during meiotic maturation of mouse oocytes. Developmental Biology, 2007, 302, 104-117.	0.9	276
8	Oocyte-derived BMP15 and FGFs cooperate to promote glycolysis in cumulus cells. Development (Cambridge), 2007, 134, 2593-2603.	1.2	262
9	Mitogen-Activated Protein Kinase Activity in Cumulus Cells Is Essential for Gonadotropin-Induced Oocyte Meiotic Resumption and Cumulus Expansion in the Mouse. Endocrinology, 2002, 143, 2221-2232.	1.4	213
10	Oocyte-dependent activation of mitogen-activated protein kinase (ERK1/2) in cumulus cells is required for the maturation of the mouse oocyteâ€“cumulus cell complex. Developmental Biology, 2003, 263, 126-138.	0.9	192
11	Mechanisms Regulating Oocyte Meiotic Resumption: Roles of Mitogen-Activated Protein Kinase. Molecular Endocrinology, 2007, 21, 2037-2055.	3.7	161
12	Estradiol Promotes and Maintains Cumulus Cell Expression of Natriuretic Peptide Receptor 2 (NPR2) and Meiotic Arrest in Mouse Oocytes In Vitro. Endocrinology, 2011, 152, 4377-4385.	1.4	145
13	Mouse Oocytes Enable LH-Induced Maturation of the Cumulus-Oocyte Complex via Promoting EGF Receptor-Dependent Signaling. Molecular Endocrinology, 2010, 24, 1230-1239.	3.7	109
14	Oocyte stage-specific effects of MTOR determine granulosa cell fate and oocyte quality in mice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5326-E5333.	3.3	104
15	MARF1 Regulates Essential Oogenic Processes in Mice. Science, 2012, 335, 1496-1499.	6.0	100
16	Estrogen Promotes the Development of Mouse Cumulus Cells in Coordination with Oocyte-Derived GDF9 and BMP15. Molecular Endocrinology, 2010, 24, 2303-2314.	3.7	90
17	Does Bone Morphogenetic Protein 6 (BMP6) Affect Female Fertility in the Mouse?1. Biology of Reproduction, 2010, 83, 997-1004.	1.2	67
18	Participation of Mitogen-Activated Protein Kinase in Luteinizing Hormone-Induced Differential Regulation of Steroidogenesis and Steroidogenic Gene Expression in Mural and Cumulus Granulosa Cells of Mouse Preovulatory Follicles1. Biology of Reproduction, 2006, 75, 859-867.	1.2	65

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19	Protein kinase C and intracellular calcium are involved in follicle-stimulating hormone-mediated meiotic resumption of cumulus cell-enclosed porcine oocytes in hypoxanthine-supplemented medium. Molecular Reproduction and Development, 1999, 53, 51-58.	1.0	63
20	Involvement of MEK-Mitogen-Activated Protein Kinase Pathway in Follicle-Stimulating Hormone-Induced but Not Spontaneous Meiotic Resumption of Mouse Oocytes1. Biology of Reproduction, 2001, 65, 358-365.	1.2	63
21	Meiosis arrest female 1 (MARF1) has nuage-like function in mammalian oocytes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18653-18660.	3.3	58
22	Lack of Functional Pregnancy-Associated Plasma Protein-A (PAPPA) Compromises Mouse Ovarian Steroidogenesis and Female Fertility1. Biology of Reproduction, 2010, 82, 1129-1138.	1.2	56
23	Targeted suppression of Has2 mRNA in mouse cumulus cellâ€“oocyte complexes by adenovirusâ€mediated shortâ€hairpin RNA expression. Molecular Reproduction and Development, 2009, 76, 537-547.	1.0	54
24	Fibroblast Growth Factors and Epidermal Growth Factor Cooperate with Oocyte-Derived Members of the TGFbeta Superfamily to Regulate Spry2 mRNA Levels in Mouse Cumulus Cells1. Biology of Reproduction, 2009, 81, 833-841.	1.2	52
25	Evidence that multifunctional calcium/calmodulin-dependent protein kinase II (CaM KII) participates in the meiotic maturation of mouse oocytes. Molecular Reproduction and Development, 2002, 61, 560-569.	1.0	50
26	Meiosis-Activating Sterol Promotes the Metaphase I to Metaphase II Transition and Preimplantation Developmental Competence of Mouse Oocytes Maturing in Vitro1. Biology of Reproduction, 2004, 70, 1458-1464.	1.2	50
27	Mitogen-Activated Protein Kinase Activity in Cumulus Cells Is Essential for Gonadotropin-Induced Oocyte Meiotic Resumption and Cumulus Expansion in the Mouse. , 0, .		48
28	Transforming growth factor-Î² is involved in maintaining oocyte meiotic arrest by promoting natriuretic peptide type C expression in mouse granulosa cells. Cell Death and Disease, 2019, 10, 558.	2.7	44
29	Oocyte-dependent activation of MTOR in cumulus cells controls the development and survival of cumulus-oocyte complexes. Journal of Cell Science, 2016, 129, 3091-103.	1.2	40
30	Ribonuclease activity of MARF1 controls oocyte RNA homeostasis and genome integrity in mice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11250-11255.	3.3	34
31	The piRNA pathway is essential for generating functional oocytes in golden hamsters. Nature Cell Biology, 2021, 23, 1013-1022.	4.6	33
32	Insulin Reduces Reaction of Follicular Granulosa Cells to FSH Stimulation in Women With Obesity-Related Infertility During IVF. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 2547-2560.	1.8	30
33	Inhibition of mTOR Signaling Pathway Delays Follicle Formation in Mice. Journal of Cellular Physiology, 2017, 232, 585-595.	2.0	28
34	DPAGT1â€Mediated Protein Nâ€Glycosylation Is Indispensable for Oocyte and Follicle Development in Mice. Advanced Science, 2020, 7, 2000531.	5.6	19
35	The RNA-binding protein MARF1 promotes cortical neurogenesis through its RNase activity domain. Scientific Reports, 2017, 7, 1155.	1.6	11
36	Echinoderm Microtubule Associated Protein Like 1 Is Indispensable for Oocyte Spindle Assembly and Meiotic Progression in Mice. Frontiers in Cell and Developmental Biology, 2021, 9, 687522.	1.8	7

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37	Coordinated Formation of IMPDH2 Cytoophidium in Mouse Oocytes and Granulosa Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 690536.	1.8	7
38	Oocyte-derived BMP15 and FGFs cooperate to promote glycolysis in cumulus cells. Development (Cambridge), 2008, 135, 786-786.	1.2	6
39	Interference with the C-terminal structure of MARF1 causes defective oocyte meiotic division and female infertility in mice. Journal of Biomedical Research, 2018, 32, 58.	0.7	6
40	MTOR-mediated interaction between the oocyte and granulosa cells regulates the development and function of both compartments in mice. Biology of Reproduction, 2022, 107, 76-84.	1.2	4
41	MOUSE OOCYTES PROMOTE STEROL BIOSYNTHESIS IN CUMULUS CELLS: MORE EVIDENCE FOR OOCYTEREGULATION OF METABOLIC COOPERATIVITY BETWEEN GRANULOSA CELLS AND OOCYTES. Biology of Reproduction, 2007, 77, 189-189.	1.2	0
42	OOCYTE CONTROL OF MOUSE CUMULUS CELL DEVELOPMENT AND FUNCTION. Biology of Reproduction, 2007, 77, 62-63.	1.2	0