

# X Johne Liu

## List of Publications by Year in descending order

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40  
papers

1,189  
citations

394421

19  
h-index

377865

34  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1110  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of MEK or cdc2 Kinase Parthenogenetically Activates Mouse Eggs and Yields the Same Phenotypes as Mos <sup>1</sup> /a <sup>1</sup> Parthenogenotes. <i>Developmental Biology</i> , 2002, 247, 210-223.	2.0	95
2	Cdc42 Activation Couples Spindle Positioning to First Polar Body Formation in Oocyte Maturation. <i>Current Biology</i> , 2006, 16, 214-220.	3.9	84
3	Polar Body Emission Requires a RhoA Contractile Ring and Cdc42-Mediated Membrane Protrusion. <i>Developmental Cell</i> , 2008, 15, 386-400.	7.0	84
4	MEK1/2 Regulates Microtubule Organization, Spindle Pole Tethering and Asymmetric Division During Mouse Oocyte Meiotic Maturation. <i>Cell Cycle</i> , 2007, 6, 330-338.	2.6	74
5	Regulation of <i>Xenopus</i> oocyte meiosis arrest by G protein $\beta\gamma$ subunits. <i>Current Biology</i> , 2001, 11, 405-416.	3.9	73
6	A Rho-associated Protein Kinase, ROK $\beta$ , Binds Insulin Receptor Substrate-1 and Modulates Insulin Signaling. <i>Journal of Biological Chemistry</i> , 1998, 273, 4740-4746.	3.4	64
7	GIPC Participates in G Protein Signaling Downstream of Insulin-like Growth Factor 1 Receptor. <i>Journal of Biological Chemistry</i> , 2002, 277, 6719-6725.	3.4	58
8	The small GTPase Cdc42 promotes membrane protrusion during polar body emission via ARP2-nucleated actin polymerization. <i>Molecular Human Reproduction</i> , 2011, 17, 305-316.	2.8	58
9	Biphasic Activation of Aurora-A Kinase during the Meiosis I- Meiosis II Transition in <i>Xenopus</i> Oocytes. <i>Molecular and Cellular Biology</i> , 2003, 23, 1703-1716.	2.3	46
10	SIT1 is a betaine/proline transporter that is activated in mouse eggs after fertilization and functions until the 2-cell stage. <i>Development (Cambridge)</i> , 2008, 135, 4123-4130.	2.5	46
11	<i>Xenopus</i> oocyte meiosis lacks spindle assembly checkpoint control. <i>Journal of Cell Biology</i> , 2013, 201, 191-200.	5.2	44
12	Brefeldin A disrupts asymmetric spindle positioning in mouse oocytes. <i>Developmental Biology</i> , 2008, 313, 155-166.	2.0	43
13	Coenzyme Q10 supplementation of human oocyte in vitro maturation reduces postmeiotic aneuploidies. <i>Fertility and Sterility</i> , 2020, 114, 331-337.	1.0	41
14	Progesterone inhibits protein kinase A (PKA) in <i>Xenopus</i> oocytes: demonstration of endogenous PKA activities using an expressed substrate. <i>Journal of Cell Science</i> , 2004, 117, 5107-5116.	2.0	35
15	A serotonin receptor antagonist induces oocyte maturation in both frogs and mice: Evidence that the same G protein-coupled receptor is responsible for maintaining meiosis arrest in both species. <i>Journal of Cellular Physiology</i> , 2005, 202, 777-786.	4.1	32
16	Oocyte Isolation and Enucleation. <i>Methods in Molecular Biology</i> , 2006, 322, 31-41.	0.9	30
17	Transcription-dependent and transcription-independent functions of the classical progesterone receptor in <i>Xenopus</i> ovaries. <i>Developmental Biology</i> , 2005, 283, 180-190.	2.0	26
18	Targeting oocyte maturation to improve fertility in older women. <i>Cell and Tissue Research</i> , 2016, 363, 57-68.	2.9	23

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19	Antiapoptotic Role for Ornithine Decarboxylase during Oocyte Maturation. <i>Molecular and Cellular Biology</i> , 2009, 29, 1786-1795.	2.3	22
20	Deficiency of ovarian ornithine decarboxylase contributes to aging-related egg aneuploidy in mice. <i>Aging Cell</i> , 2013, 12, 42-49.	6.7	22
21	A G Protein-coupled Receptor Kinase Induces <i>Xenopus</i> Oocyte Maturation. <i>Journal of Biological Chemistry</i> , 2003, 278, 15809-15814.	3.4	19
22	Protein Kinase A(PKA)-Restrictive and PKA-Permissive Phases of Oocyte Maturation. <i>Cell Cycle</i> , 2006, 5, 213-217.	2.6	18
23	Aurora B regulates spindle bipolarity in meiosis in vertebrate oocytes. <i>Cell Cycle</i> , 2012, 11, 2672-2680.	2.6	18
24	Polar body emission. <i>Cytoskeleton</i> , 2012, 69, 670-685.	2.0	18
25	Peri-ovulatory putrescine supplementation reduces embryo resorption in older mice. <i>Human Reproduction</i> , 2015, 30, 1867-1875.	0.9	16
26	Spindle function in <i>Xenopus</i> oocytes involves possible nanodomain calcium signaling. <i>Molecular Biology of the Cell</i> , 2016, 27, 3273-3283.	2.1	15
27	Can peri-ovulatory putrescine supplementation improve egg quality in older infertile women?. <i>Journal of Assisted Reproduction and Genetics</i> , 2019, 36, 395-402.	2.5	15
28	Co-operation of Gs $\alpha$ and G $\beta$ $\gamma$ in maintaining G2arrest in <i>Xenopus</i> oocytes. <i>Journal of Cellular Physiology</i> , 2005, 202, 32-40.	4.1	14
29	Putrescine supplementation during in vitro maturation of aged mouse oocytes improves the quality of blastocysts. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1392.	0.4	14
30	<i>Xenopus laevis</i> TRK-fused gene (TFC) is an SH3 domain binding protein highly expressed in the cement gland. <i>Molecular Reproduction and Development</i> , 2000, 56, 336-344.	2.0	12
31	A Novel Insulin Receptor Substrate Protein, xIRS-u, Potentiates Insulin Signaling: Functional Importance of Its Pleckstrin Homology Domain. <i>Molecular Endocrinology</i> , 1998, 12, 1086-1098.	3.7	7
32	Meiosis I in <i>Xenopus</i> oocytes is not error-prone despite lacking spindle assembly checkpoint. <i>Cell Cycle</i> , 2014, 13, 1602-1606.	2.6	6
33	Translation of incenp During Oocyte Maturation Is Required for Embryonic Development in <i>Xenopus laevis</i> . <i>Biology of Reproduction</i> , 2012, 86, 161, 1-8.	2.7	5
34	Peri-ovulatory putrescine to reduce aneuploid conceptions. <i>Aging</i> , 2012, 4, 723-725.	3.1	4
35	The Majority of Resorptions in Old Mice Are Euploid. <i>PLoS ONE</i> , 2015, 10, e0143360.	2.5	3
36	Monitoring Protein Kinase A Activities Using Expressed Substrate in Live Cells. <i>Methods in Molecular Biology</i> , 2006, 322, 425-433.	0.9	2

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37	Mini Golgi stacks participate in spindle assembly in acentrosomal mouse oocytes?. Cell Cycle, 2011, 10, 2622-2622.	2.6	1
38	Systemic L-ornithine supplementation specifically increases ovarian putrescine levels during ovulation in mice. Biology of Reproduction, 2021, , .	2.7	1
39	A localized calcium transient and polar body abscission. Cell Cycle, 0, , 1-16.	2.6	1
40	The Classical Progesterone Receptor Mediates Xenopus Oocyte Maturation Through a Non-Genomic Mechanism. , 2003, , 93-101.		0