Keith T Jones

List of Publications by Year
in descending order

96 papers	5,431 citations	61945 43 h-index	88593 70 g-index
155 all docs	155 docs citations	155 times ranked	3669 citing authors

#	Article	IF	Citations
1	Flavors of Non-Random Meiotic Segregation of Autosomes and Sex Chromosomes. Genes, 2021, 12, 1338.	1.0	5
2	Loss of centromeric RNA activates the spindle assembly checkpoint in mammalian female meiosis I. Journal of Cell Biology, 2021, 220, .	2.3	7
3	Regulation of the meiotic divisions of mammalian oocytes and eggs. Biochemical Society Transactions, 2018, 46, 797-806.	1.6	31
4	Spindle tubulin and MTOC asymmetries may explain meiotic drive in oocytes. Nature Communications, 2018, 9, 2952.	5.8	33
5	Mammalian sperm contain two factors for calcium release and egg activation: Phospholipase C zeta and a cryptic activating factor. Molecular Human Reproduction, 2018, 24, 465-468.	1.3	7
6	Chromosome structural anomalies due to aberrant spindle forces exerted at gene editing sites in meiosis. Journal of Cell Biology, 2018, 217, 3416-3430.	2.3	8
7	Imaging Chromosome Separation in Mouse Oocytes by Responsive 3D Confocal Timelapse Microscopy. Methods in Molecular Biology, 2017, 1471, 245-254.	0.4	3
8	Chromosome biorientation and APC activity remain uncoupled in oocytes with reduced volume. Journal of Cell Biology, 2017, 216, 3949-3957.	2.3	27
9	DNA damage induces a kinetochore-based ATM/ATR-independent SAC arrest unique to the first meiotic division in mouse oocytes. Development (Cambridge), 2017, 144, 3475-3486.	1.2	28
10	FACS-sorted putative oogonial stem cells from the ovary are neither DDX4-positive nor germ cells. Scientific Reports, 2016, 6, 27991.	1.6	44
11	DNA damage responses in mammalian oocytes. Reproduction, 2016, 152, R15-R22.	1.1	48
12	The sensitivity of the DNA damage checkpoint prevents oocyte maturation in endometriosis. Scientific Reports, 2016, 6, 36994.	1.6	37
13	DNA damage induces a meiotic arrest in mouse oocytes mediated by the spindle assembly checkpoint. Nature Communications, 2015, 6, 8553.	5.8	98
14	Reduced ability to recover from spindle disruption and loss of kinetochore spindle assembly checkpoint proteins in oocytes from aged mice. Cell Cycle, 2014, 13, 1938-1947.	1.3	49
15	The APC/C activator FZR1 is essential for meiotic prophase I in mice. Development (Cambridge), 2014, 141, 1354-1365.	1.2	24
16	Non-canonical function of spindle assembly checkpoint proteins after APC activation reduces aneuploidy in mouse oocytes. Nature Communications, 2014, 5, 3444.	5.8	42
17	Premature dyad separation in meiosis II is the major segregation error with maternal age in mouse oocytes. Development (Cambridge), 2014, 141, 199-208.	1.2	76
18	Molecular causes of aneuploidy in mammalian eggs. Development (Cambridge), 2013, 140, 3719-3730.	1.2	159

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19	Melatonin Prevents Postovulatory Oocyte Aging in the Mouse and Extends the Window for Optimal Fertilization In Vitro1. Biology of Reproduction, 2013, 88, 67.	1.2	128
20	Time-Lapse Epifluorescence Imaging of Expressed cRNA to Cyclin B1 for Studying Meiosis I in Mouse Oocytes. Methods in Molecular Biology, 2013, 957, 91-106.	0.4	9
21	Reduced Chromosome Cohesion Measured by Interkinetochore Distance Is Associated with Aneuploidy Even in Oocytes from Young Mice1. Biology of Reproduction, 2013, 88, 31.	1.2	22
22	The Control of Meiotic Maturation in Mammalian Oocytes. Current Topics in Developmental Biology, 2013, 102, 207-226.	1.0	80
23	Loss of GGN Leads to Pre-Implantation Embryonic Lethality and Compromised Male Meiotic DNA Double Strand Break Repair in the Mouse. PLoS ONE, 2013, 8, e56955.	1.1	14
24	Start and Stop Signals of Oocyte Meiotic Maturation. , 2013, , 183-193.		5
25	The APC activator fizzy-related-1 (FZR1) is needed for preimplantation mouse embryo development. Journal of Cell Science, 2012, 125, 6030-6037.	1.2	10
26	APC^{FZR1}prevents nondisjunction in mouse oocytes by controlling meiotic spindle assembly timing. Molecular Biology of the Cell, 2012, 23, 3970-3981.	0.9	28
27	Timing of anaphase-promoting complex activation in mouse oocytes is predicted by microtubule-kinetochore attachment but not by bivalent alignment or tension. Development (Cambridge), 2012, 139, 1947-1955.	1.2	128
28	Differential regulation of cyclin B1 degradation between the first and second meiotic divisions of bovine oocytes. Theriogenology, 2012, 78, 1171-1181.e1.	0.9	6
29	Reactive Oxygen Species and Sperm Functionâ€”In Sickness and In Health. Journal of Andrology, 2012, 33, 1096-1106.	2.0	307
30	Effect of Aging on Superovulation Efficiency, Aneuploidy Rates, and Sister Chromatid Cohesion in Mice Aged Up to 15 Months1. Biology of Reproduction, 2012, 86, 49.	1.2	86
31	DNA Double Strand Breaks but Not Interstrand Crosslinks Prevent Progress through Meiosis in Fully Grown Mouse Oocytes. PLoS ONE, 2012, 7, e43875.	1.1	44
32	Meiosis: Mouse Eggs Do Their Anaphase Topsy-Turvy. Current Biology, 2012, 22, R153-R155.	1.8	0
33	Chromosomal, metabolic, environmental, and hormonal origins of aneuploidy in mammalian oocytes. Experimental Cell Research, 2012, 318, 1394-1399.	1.2	41
34	Timing of anaphase-promoting complex activation in mouse oocytes is predicted by microtubule-kinetochore attachment but not by bivalent alignment or tension. Journal of Cell Science, 2012, 125, e1-e1.	1.2	0
35	Phosphorylation of Histone H3 in 1- and 2-cell embryos. Cell Cycle, 2011, 10, 23-22.	1.3	1
36	GGN1 in the testis and ovary and its variance within the Australian fertile and infertile male population. Journal of Developmental and Physical Disabilities, 2011, 34, 624-632.	3.6	12

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37	Anaphase-Promoting Complex Control in Female Mouse Meiosis. Results and Problems in Cell Differentiation, 2011, 53, 343-363.	0.2	35
38	Essential Role of Protein Phosphatase 2A in Metaphase II Arrest and Activation of Mouse Eggs Shown by Okadaic Acid, Dominant Negative Protein Phosphatase 2A, and FTY720. Journal of Biological Chemistry, 2011, 286, 14705-14712.	1.6	33
39	Increased zona pellucida thickness and meiotic spindle disruption in oocytes from cigarette smoking mice. Human Reproduction, 2011, 26, 878-884.	0.4	42
40	The APC/C activator FZR1 coordinates the timing of meiotic resumption during prophase I arrest in mammalian oocytes. Development (Cambridge), 2011, 138, 905-913.	1.2	54
41	Cohesin and Cdk1: an anaphase barricade. Nature Cell Biology, 2010, 12, 106-108.	4.6	3
42	Spatial regulation of APCCdh1-induced cyclin B1 degradation maintains G2 arrest in mouse oocytes. Development (Cambridge), 2010, 137, 1297-1304.	1.2	59
43	The Aurora kinase inhibitor ZM447439 accelerates first meiosis in mouse oocytes by overriding the spindle assembly checkpoint. Reproduction, 2010, 140, 521-530.	1.1	60
44	BubR1 highlights essential function of Cdh1 in mammalian oocytes. Cell Cycle, 2010, 9, 1025-1030.	1.3	2
45	Control of homologous chromosome division in the mammalian oocyte. Molecular Human Reproduction, 2009, 15, 139-147.	1.3	51
46	Calmodulin-dependent protein kinase gamma 3 (CamKIIÎ³3) mediates the cell cycle resumption of metaphase II eggs in mouse. Development (Cambridge), 2009, 136, 4077-4081.	1.2	43
47	Meiosis in oocytes: predisposition to aneuploidy and its increased incidence with age. Human Reproduction Update, 2008, 14, 143-158.	5.2	202
48	Securin and not CDK1/cyclin B1 regulates sister chromatid disjunction during meiosis II in mouse eggs. Developmental Biology, 2008, 321, 379-386.	0.9	34
49	A novel mechanism controls the Ca2+ oscillations triggered by activation of ascidian eggs and has an absolute requirement for Cdk1 activity. Journal of Cell Science, 2007, 120, 1763-1771.	1.2	16
50	Composition of sea urchin egg homogenate determines its potency to inositol trisphosphate and cyclic ADPRibose-induced Ca2+ release. Biochemical and Biophysical Research Communications, 2007, 360, 815-820.	1.0	3
51	CaMKII can participate in but is not sufficient for the establishment of the membrane block to polyspermy in mouse eggs. Journal of Cellular Physiology, 2007, 212, 275-280.	2.0	27
52	How eggs arrest at metaphase II: MPF stabilisation plus APC/C inhibition equals Cytostatic Factor. , 2007, 2, 4.		94
53	Prometaphase APCcdh1 activity prevents non-disjunction in mammalian oocytes. Nature Cell Biology, 2007, 9, 1192-1198.	4.6	97
54	INTRACELLULAR CALCIUM IN THE FERTILIZATION AND DEVELOPMENT OF MAMMALIAN EGGS. Clinical and Experimental Pharmacology and Physiology, 2007, 34, 1084-1089.	0.9	51

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55	Calmodulin-dependent protein kinase II triggers mouse egg activation and embryo development in the absence of Ca2+ oscillations. Developmental Biology, 2006, 296, 388-395.	0.9	65
56	APCcdh1 activity in mouse oocytes prevents entry into the first meiotic division. Nature Cell Biology, 2006, 8, 539-540.	4.6	155
57	Essential CDK1-inhibitory role for separase during meiosis I in vertebrate oocytes. Nature Cell Biology, 2006, 8, 1035-1037.	4.6	61
58	The CRY box: a second APC cdh1 â€dependent degron in mammalian cdc20. EMBO Reports, 2006, 7, 1040-1045.	2.0	72
59	Mouse Emi2 is required to enter meiosis II by reestablishing cyclin B1 during interkinesis. Journal of Cell Biology, 2006, 174, 791-801.	2.3	163
60	Mammalian egg activation: from Ca2+ spiking to cell cycle progression. Reproduction, 2005, 130, 813-823.	1.1	138
61	Phospholipase CÎ¶, the trigger of egg activation in mammals, is present in a non-mammalian species. Reproduction, 2005, 130, 157-163.	1.1	91
62	Calmodulin-dependent protein kinase II, and not protein kinase C, is sufficient for triggering cell-cycle resumption in mammalian eggs. Journal of Cell Science, 2005, 118, 3849-3859.	1.2	90
63	SIAH1 targets the alternative splicing factor T-STAR for degradation by the proteasome. Human Molecular Genetics, 2004, 13, 1525-1534.	1.4	51
64	Degradation of APCcdc20 and APCcdh1 substrates during the second meiotic division in mouse eggs. Journal of Cell Science, 2004, 117, 6289-6296.	1.2	37
65	Turning it on and off: M-phase promoting factor during meiotic maturation and fertilization. Molecular Human Reproduction, 2004, 10, 1-5.	1.3	171
66	Ca2+-promoted cyclin B1 degradation in mouse oocytes requires the establishment of a metaphase arrest. Developmental Biology, 2004, 269, 206-219.	0.9	60
67	Maintenance of sister chromatid attachment in mouse eggs through maturation-promoting factor activity. Developmental Biology, 2004, 275, 68-81.	0.9	55
68	Exploring the mechanism of action of the sperm-triggered calcium-wave pacemaker in ascidian zygotes. Journal of Cell Science, 2003, 116, 4997-5004.	1.2	25
69	Application of two-photon flash photolysis to reveal intercellular communication and intracellular Ca[sup 2+] movements. Journal of Biomedical Optics, 2003, 8, 418.	1.4	31
70	Membrane Events of Egg Activation. , 2002, , 319-346.		2
71	Ca2+ Oscillations Promote APC/C-Dependent Cyclin B1 Degradation during Metaphase Arrest and Completion of Meiosis in Fertilizing Mouse Eggs. Current Biology, 2002, 12, 746-750.	1.8	133
72	Simultaneous Measurement of Intracellular Nitric Oxide and Free Calcium Levels in Chordate Eggs Demonstrates That Nitric Oxide Has No Role at Fertilization. Developmental Biology, 2001, 234, 216-230.	0.9	45

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73	Potential role of a sperm-derived phospholipase C in triggering the egg-activating Ca2+ signal at fertilization. Reproduction, 2001, 122, 839-846.	1.1	17
74	Different Ca2+-releasing abilities of sperm extracts compared with tissue extracts and phospholipase C isoforms in sea urchin egg homogenate and mouse eggs. Biochemical Journal, 2000, 346, 743.	1.7	26
75	Different Ca2+-releasing abilities of sperm extracts compared with tissue extracts and phospholipase C isoforms in sea urchin egg homogenate and mouse eggs. Biochemical Journal, 2000, 346, 743-749.	1.7	81
76	Ca2+ oscillations and the cell cycle at fertilisation of mammalian and ascidian eggs. Biology of the Cell, 2000, 92, 187-196.	0.7	45
77	Sperm-Induced Ca2+ Oscillations in Mouse Oocytes and Eggs Can Be Mimicked by Photolysis of Caged Inositol 1,4,5-Trisphosphate: Evidence to Support a Continuous Low Level Production of Inositol 1,4,5-Trisphosphate during Mammalian Fertilization. Developmental Biology, 2000, 225, 1-12.	0.9	66
78	Mammalian Sperm Contain a Ca2+-Sensitive Phospholipase C Activity That Can Generate InsP3 from PIP2 Associated with Intracellular Organelles. Developmental Biology, 2000, 228, 125-135.	0.9	108
79	Injections of Porcine Sperm Extracts Trigger Fertilization-like Calcium Oscillations in Oocytes of a Marine Worm. Experimental Cell Research, 2000, 257, 341-347.	1.2	19
80	The antiproliferative effect of lectin from the edible mushroom (Agaricus bisporus) on human keratinocytes: preliminary studies on its use in psoriasis. British Journal of Dermatology, 1999, 140, 56-60.	1.4	28
81	The soluble sperm factor that causes Ca2+ release from sea-urchin (Lytechinus pictus) egg homogenates also triggers Ca2+ oscillations after injection into mouse eggs. Biochemical Journal, 1999, 341, 1-4.	1.7	55
82	The soluble sperm factor that causes Ca2+ release from sea-urchin (Lytechinus pictus) egg homogenates also triggers Ca2+ oscillations after injection into mouse eggs. Biochemical Journal, 1999, 341, 1.	1.7	22
83	A mammalian sperm cytosolic phospholipase C activity generates inositol trisphosphate and causes Ca2+release in sea urchin egg homogenates. FEBS Letters, 1998, 437, 297-300.	1.3	114
84	Protein kinase C action at fertilization: overstated or undervalued?. Reproduction, 1998, 3, 7-12.	2.0	45
85	On the search for the sperm oscillogen. Molecular Human Reproduction, 1998, 4, 1010-1012.	1.3	13
86	Meiotic and Mitotic Ca2+Oscillations Affect Cell Composition in Resulting Blastocysts. Developmental Biology, 1997, 182, 172-179.	0.9	197
87	Unique protein kinase C profile in mouse oocytes: lack of calcium-dependent conventional isoforms suggested by rtPCR and Western blotting. FEBS Letters, 1997, 412, 309-312.	1.3	55
88	A Cytosolic Sperm Protein Factor Mobilizes Ca2+ from Intracellular Stores by Activating Multiple Ca2+ Release Mechanisms Independently of Low Molecular Weight Messengers. Journal of Biological Chemistry, 1997, 272, 28901-28905.	1.6	33
89	A Comparison of Sperm- and IP3-Induced Ca2+Release in Activated and Aging Mouse Oocytes. Developmental Biology, 1996, 178, 229-237.	0.9	73
90	A cell cycle-associated change in Ca2+ releasing activity leads to the generation of Ca2+ transients in mouse embryos during the first mitotic division.. Journal of Cell Biology, 1996, 132, 915-923.	2.3	99

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91	Ionomycin, Thapsigargin, Ryanodine, and Sperm Induced Ca2+ Release Increase during Meiotic Maturation of Mouse Oocytes. Journal of Biological Chemistry, 1995, 270, 6671-6677.	1.6	171
92	Intracellular calcium modulates the responses of human melanocytes to melanogenic stimuli. Journal of Dermatological Science, 1995, 9, 157-164.	1.0	14
93	Intracellular free calcium and growth changes in single human keratinocytes in response to vitamin D and five 20-epi-analogues. Archives of Dermatological Research, 1994, 286, 123-129.	1.1	26
94	Staurosporine, a non-specific PKC inhibitor, induces keratinocyte differentiation and raises intracellular calcium, but Ro31-8220, a specific inhibitor, does not. Journal of Cellular Physiology, 1994, 159, 324-330.	2.0	34
95	Thapsigargin Raises Intracellular Free Calcium Levels in Human Keratinocytes and Inhibits the Coordinated Expression of Differentiation Markers. Experimental Cell Research, 1994, 210, 71-76.	1.2	62
96	Ni2+ Blocks the Ca2+ Influx in Human Keratinocytes Following a Rise in Extracellular Ca2+. Experimental Cell Research, 1994, 212, 409-413.	1.2	30