Douglas W Kline

List of Publications by Year
in descending order

45 papers	2,706 citations	236612 25 h-index	264894 42 g-index
46 all docs	46 docs citations	46 times ranked	1431 citing authors

#	Article	IF	Citations
1	The protein YWHAE (14â€ƒ3â€ƒ3 epsilon) in spermatozoa is essential for male fertility. Andrology, 2021, 9, 312-328.	1.9	6
2	Roles of glycogen synthase kinase 3 alpha and calcineurin in regulating the ability of sperm to fertilize eggs. FASEB Journal, 2020, 34, 1247-1269.	0.2	9
3	Regulators of the protein phosphatase PP1Î³2, PPP1R2, PPP1R7, and PPP1R11 are involved in epididymal sperm maturation. Journal of Cellular Physiology, 2019, 234, 3105-3118.	2.0	18
4	YWHA (14-3-3) protein isoforms and their interactions with CDC25B phosphatase in mouse oogenesis and oocyte maturation. BMC Developmental Biology, 2019, 19, 20.	2.1	24
5	The protein phosphatase isoform PP1Î³1 substitutes for PP1Î³2 to support spermatogenesis but not normal sperm function and fertilityâ€. Biology of Reproduction, 2019, 100, 721-736.	1.2	9
6	Cyclic AMP and glycogen synthase kinase 3 form a regulatory loop in spermatozoa. Journal of Cellular Physiology, 2018, 233, 7239-7252.	2.0	16
7	Isoform-specific requirement for GSK3Î± in sperm for male fertilityâ€. Biology of Reproduction, 2018, 99, 384-394.	1.2	30
8	Targeted Disruption of Glycogen Synthase Kinase 3a (Gsk3a) in Mice Affects Sperm Motility Resulting in Male Infertility1. Biology of Reproduction, 2015, 92, 65.	1.2	54
9	Changes in Carboxy Methylation and Tyrosine Phosphorylation of Protein Phosphatase PP2A Are Associated with Epididymal Sperm Maturation and Motility. PLoS ONE, 2015, 10, e0141961.	1.1	25
10	Correction: evidence for the requirement of 14-3-3eta (YWHAH) in meiotic spindle assembly during mouse oocyte maturation. BMC Developmental Biology, 2014, 14, 20.	2.1	5
11	Evidence for the requirement of 14-3-3eta (YWHAH) in meiotic spindle assembly during mouse oocyte maturation. BMC Developmental Biology, 2013, 13, 10.	2.1	25
12	Expression of 14-3-3 protein isoforms in mouse oocytes, eggs and ovarian follicular development. BMC Research Notes, 2012, 5, 57.	0.6	29
13	Identification of testis 14â€“3-3 binding proteins by tandem affinity purification. Spermatogenesis, 2011, 1, 354-365.	0.8	13
14	Quantitative Microinjection of Mouse Oocytes and Eggs. Methods in Molecular Biology, 2009, 518, 135-156.	0.4	18
15	Proteomic Analysis of Bovine Sperm YWHA Binding Partners Identify Proteins Involved in Signaling and Metabolism1. Biology of Reproduction, 2008, 79, 1183-1191.	1.2	36
16	Phosphorylation-Dependent Interaction of Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein (YWHA) with PADI6 Following Oocyte Maturation in Mice1. Biology of Reproduction, 2008, 79, 337-347.	1.2	21
17	Analysis of Ppp1cc-Null Mice Suggests a Role for PP1gamma2 in Sperm Morphogenesis1. Biology of Reproduction, 2007, 76, 992-1001.	1.2	54
18	ISOLATION AND IDENTIFICATION OF 14-3-3 BINDING PROTEINS IN BOVINE SPERMATOZOA. Biology of Reproduction, 2007, 77, 169-169.	1.2	0

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19	Attributes and dynamics of the endoplasmic reticulum in mammalian eggs. Current Topics in Developmental Biology, 2000, 50, 125-154.	1.0	63
20	The Cortical Endoplasmic Reticulum (ER) of the Mouse Egg: Localization of ER Clusters in Relation to the Generation of Repetitive Calcium Waves. Developmental Biology, 1999, 215, 431-442.	0.9	99
21	Molecularly cloned mammalian glucosamine-6-phosphate deaminase localizes to transporting epithelium and lacks oscillin activity. FASEB Journal, 1998, 12, 91-99.	0.2	115
22	Molecularly cloned mammalian glucosamineâ€6â€phosphate deaminase localizes to transporting epithelium and lacks oscillin activity. FASEB Journal, 1998, 12, 91-99.	0.2	23
23	Redistribution and Increase in Cortical Inositol 1,4,5-Trisphosphate Receptors after Meiotic Maturation of the Mouse Oocyte. Developmental Biology, 1996, 180, 489-498.	0.9	163
24	Activation of the mouse egg. Theriogenology, 1996, 45, 81-90.	0.9	29
25	Release of mouse eggs from metaphase arrest by protein synthesis inhibition in the absence of a calcium signal or microtubule assembly. Molecular Reproduction and Development, 1995, 41, 264-273.	1.0	31
26	Absence of an intracellular pH change following fertilisation of the mouse egg. Zygote, 1995, 3, 305-311.	0.5	29
27	Maintenance of Metaphase in Colcemid-Treated Mouse Eggs by Distinct Calcium- and 6-Dimethylaminopurine (6-DMAP)-Sensitive Mechanisms. Developmental Biology, 1995, 167, 329-337.	0.9	39
28	Reorganization of the Endoplasmic Reticulum during Meiotic Maturation of the Mouse Oocyte. Developmental Biology, 1995, 170, 607-615.	0.9	170
29	Calcium-Independent, Meiotic Spindle-Dependent Metaphase-to-Interphase Transition in Phorbol Ester-Treated Mouse Eggs. Developmental Biology, 1995, 171, 111-122.	0.9	43
30	Regulation of Intracellular Calcium in the Mouse Egg: Evidence for Inositol Trisphosphate-Induced Calcium Release, but not Calcium-Induced Calcium Release1. Biology of Reproduction, 1994, 50, 193-203.	1.2	117
31	Regulation of Intracellular Calcium in the Mouse Egg: Calcium Release in Response to Sperm or Inositol Trisphosphate is Enhanced after Meiotic Maturation1. Biology of Reproduction, 1994, 51, 1088-1098.	1.2	214
32	The Timing of Cortical Granule Fusion, Content Dispersal, and Endocytosis during Fertilization of the Hamster Egg: An Electrophysiological and Histochemical Study. Developmental Biology, 1994, 162, 277-287.	0.9	41
33	Cell Signaling and Regulation of Exocytosis at Fertilization of the Egg. , 1993, , 75-102.		0
34	Repetitive calcium transients and the role of calcium in exocytosis and cell cycle activation in the mouse egg. Developmental Biology, 1992, 149, 80-89.	0.9	677
35	Activation of the Egg by the Sperm. BioScience, 1991, 41, 89-95.	2.2	2
36	Evidence for the involvement of a pertussis toxin-insensitive G-protein in egg activation of the frog, Xenopus laevis. Developmental Biology, 1991, 143, 218-229.	0.9	80

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37	Chapter 3 Electrical Characteristics of Oocytes and Eggs. Current Topics in Membranes, 1991, , 89-120.	0.5	4
38	Receptors, G-Proteins, and Activation of the Amphibian Egg. , 1990, , 529-541.		7
39	G-proteins and egg activation. Cell Differentiation and Development, 1988, 25, 15-18.	0.4	21
40	Calcium-dependent events at fertilization of the frog egg: Injection of a calcium buffer blocks ion channel opening, exocytosis, and formation of pronuclei. Developmental Biology, 1988, 126, 346-361.	0.9	153
41	The cortical reaction in the egg of Discoglossus pictus: A study of the changes in the endoplasmic reticulum at activation. Developmental Biology, 1988, 130, 108-119.	0.9	20
42	A highly localized activation current yet widespread intracellular calcium increase in the egg of the frog, Discoglossus pictus. Developmental Biology, 1988, 130, 120-132.	0.9	35
43	A calcium-activated sodium conductance contributes to the fertilization potential in the egg of the nemertean worm Cerebratulus lacteus. Developmental Biology, 1986, 117, 184-193.	0.9	25
44	Fertilization potential and polyspermy prevention in the egg of the nemertean,Cerebratulus lacteus. The Journal of Experimental Zoology, 1985, 236, 45-52.	1.4	27
45	The wave of activation current in the Xenopus egg. Developmental Biology, 1985, 111, 471-487.	0.9	87