Gerald Schatten

List of Publications by Year
in descending order

216 papers	17,442 citations	8755 75 h-index	15266 126 g-index
222 all docs	222 docs citations	222 times ranked	11334 citing authors

#	Article	IF	Citations
1	Blastocyst development after fertilization with inÂvitro spermatids derived from nonhuman primate embryonic stem cells. F&S Science, 2021, 2, 365-375.	0.9	6
2	Fertilization and Cleavage Axes Differ In Primates Conceived By Conventional (IVF) Versus Intracytoplasmic Sperm Injection (ICSI). Scientific Reports, 2019, 9, 15282.	3.3	9
3	Are we ready for genome editing in human embryos for clinical purposes?. European Journal of Medical Genetics, 2019, 62, 103682.	1.3	10
4	Separation and Loss of Centrioles From Primordidal Germ Cells To Mature Oocytes In The Mouse. Scientific Reports, 2018, 8, 12791.	3.3	17
5	A novel atypical sperm centriole is functional during human fertilization. Nature Communications, 2018, 9, 2210.	12.8	103
6	Post-Testicular Sperm Maturation: Centriole Pairs, Found in Upper Epididymis, are Destroyed Prior to Spermâ€™s Release at Ejaculation. Scientific Reports, 2016, 6, 31816.	3.3	18
7	<scp>LEGO</scp> s ^{Â®} and legacies of centrioles and centrosomes. EMBO Reports, 2015, 16, 1052-1054.	4.5	4
8	Sperm Centrosomes: Kiss Your Asterless Goodbye, for Fertilityâ€™s Sake. Current Biology, 2015, 25, R1178-R1181.	3.9	6
9	Gamete derivation from embryonic stem cells, induced pluripotent stem cells or somatic cell nuclear transfer-derived embryonic stem cells: state of the art. Reproduction, Fertility and Development, 2015, 27, 89.	0.4	13
10	Cloning Primates. , 2014, , 299-310.		0
11	Let-7d microRNA affects mesenchymal phenotypic properties of lung fibroblasts. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 306, L534-L542.	2.9	91
12	Biomedical research's unpaid debt. EMBO Reports, 2014, 15, 333-337.	4.5	7
13	Src-family tyrosine kinase activities are essential for differentiation of human embryonic stem cells. Stem Cell Research, 2014, 13, 379-389.	0.7	31
14	Direct Differentiation of Human Pluripotent Stem Cells into Advanced Spermatogenic Cells: In Search of an In Vitro System to Model Male Factor Infertility. Springer Proceedings in Mathematics and Statistics, 2014, , 279-293.	0.2	0
15	Adult somatic cells to the rescue: nuclear reprogramming and the dispensability of gonadal germ cells. Fertility and Sterility, 2014, 101, 14-19.	1.0	7
16	DNA Repair in Normal Stem Cells. , 2013, , 53-87.		2
17	Stem cell therapeutic possibilities: future therapeutic options for male-factor and female-factor infertility?. Reproductive BioMedicine Online, 2013, 27, 75-80.	2.4	36
18	Strategies for Improving Animal Models for Regenerative Medicine. Cell Stem Cell, 2013, 12, 271-274.	11.1	74

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19	Cellular promiscuity: explaining cellular fidelity in vivo against unrestrained pluripotency in vitro. EMBO Reports, 2013, 14, 4-4.	4.5	4
20	Cellular promiscuity: explaining cellular fidelity in vivo against unrestrained pluripotency in vitro. EMBO Reports, 2013, 14, 212-212.	4.5	0
21	Ex Vivo Reconstitution of Arterial Endothelium by Embryonic Stem Cell-Derived Endothelial Progenitor Cells in Baboons. Stem Cells and Development, 2013, 22, 631-642.	2.1	11
22	Endothelial reconstitution by <scp>CD</scp>34+ progenitors derived from baboon embryonic stem cells. Journal of Cellular and Molecular Medicine, 2013, 17, 242-251.	3.6	4
23	Direct Differentiation of Human Pluripotent Stem Cells into Haploid Spermatogenic Cells. Cell Reports, 2012, 2, 440-446.	6.4	217
24	Neuronal apoptosis by HIV-1 Vpr: contribution of proinflammatory molecular networks from infected target cells. Journal of Neuroinflammation, 2012, 9, 138.	7.2	46
25	Utility of Animal Models for Human Embryo Culture: Nonhuman Primates. Methods in Molecular Biology, 2012, 912, 39-59.	0.9	5
26	Spermatogonial Stem Cell Transplantation into Rhesus Testes Regenerates Spermatogenesis Producing Functional Sperm. Cell Stem Cell, 2012, 11, 715-726.	11.1	359
27	Human Amniotic Epithelial Cells are Reprogrammed More Efficiently by Induced Pluripotency than Adult Fibroblasts. Cellular Reprogramming, 2012, 14, 193-203.	0.9	34
28	Realizing the Promises of Pluripotent Stem Cells: Discovering Fundamental Biological Principles, New Medical Options and Enriching Friendships via Scientific Diplomacy Globally. , 2012, , .		0
29	Cell Cycle Adaptations and Maintenance of Genomic Integrity in Embryonic Stem Cells and Induced Pluripotent Stem Cells. Results and Problems in Cell Differentiation, 2011, 53, 415-458.	0.7	25
30	Sexually dimorphic gene expression in non-human primate ESCs analyzed stringently. Biochemical and Biophysical Research Communications, 2011, 414, 631-634.	2.1	0
31	Interspecies chimera between primate embryonic stem cells and mouse embryos: Monkey ESCs engraft into mouse embryos, but not post-implantation fetuses. Stem Cell Research, 2011, 7, 28-40.	0.7	17
32	Energy Metabolism in Human Pluripotent Stem Cells and Their Differentiated Counterparts. PLoS ONE, 2011, 6, e20914.	2.5	574
33	Essential Roles of the Sperm Centrosome in Human Fertilization: Developing the Therapy for Fertilization Failure due to Sperm Centrosomal Dysfunction. Tohoku Journal of Experimental Medicine, 2010, 220, 247-258.	1.2	39
34	Pluripotency genes overexpressed in primate embryonic stem cells are localized on homologues of human chromosomes 16, 17, 19, and X. Stem Cell Research, 2010, 4, 25-37.	0.7	3
35	Semiquantitative histopathology and 3D magnetic resonance microscopy as collaborative platforms for tissue identification and comparison within teratomas derived from pedigreed primate embryonic stem cells. Stem Cell Research, 2010, 5, 201-211.	0.7	6
36	Defective DSB repair correlates with abnormal nuclear morphology and is improved with FTI treatment in Hutchinson-Gilford progeria syndrome fibroblasts. Experimental Cell Research, 2010, 316, 2747-2759.	2.6	49

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37	Mapping primary gyrogenesis. High-resolution in utero structural MRI study of fetal brain development in pregnant baboons. Frontiers in Neuroscience, 2010, 4, 20.	2.8	37
38	DNA Damage Responses in Human Induced Pluripotent Stem Cells and Embryonic Stem Cells. PLoS ONE, 2010, 5, e13410.	2.5	149
39	Interwoven Four-Compartment Capillary Membrane Technology for Three-Dimensional Perfusion with Decentralized Mass Exchange to Scale Up Embryonic Stem Cell Culture. Cells Tissues Organs, 2010, 192, 39-49.	2.3	21
40	Assisted Reproductive Technologies (ART) With Baboons Generate Live Offspring: A Nonhuman Primate Model for ART and Reproductive Sciences. Reproductive Sciences, 2010, 17, 917-930.	2.5	13
41	mTOR-Mediated Activation of p70 S6K Induces Differentiation of Pluripotent Human Embryonic Stem Cells. Cellular Reprogramming, 2010, 12, 263-273.	0.9	106
42	Dynamic 3D Culture Promotes Spontaneous Embryonic Stem Cell DifferentiationIn Vitro. Tissue Engineering - Part C: Methods, 2010, 16, 115-121.	2.1	31
43	Systems biology discoveries using non-human primate pluripotent stem and germ cells: novel gene and genomic imprinting interactions as well as unique expression patterns. Stem Cell Research and Therapy, 2010, 1, 24.	5.5	10
44	Fetal brain during a binge drinking episode: a dynamic susceptibility contrast MRI fetal brain perfusion study. NeuroReport, 2010, 21, 716-721.	1.2	16
45	Stem Cell Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2009, 64A, 202-204.	3.6	17
46	Establishment and characterization of baboon embryonic stem cell lines: An Old World Primate model for regeneration and transplantation research. Stem Cell Research, 2009, 2, 178-187.	0.7	25
47	Ionizing Radiation Induces Ataxia Telangiectasia Mutated-Dependent Checkpoint Signaling and G2 But Not G1 Cell Cycle Arrest in Pluripotent Human Embryonic Stem Cells. Stem Cells, 2009, 27, 1822-1835.	3.2	133
48	Transgenic primate offspring. Nature, 2009, 459, 515-516.	27.8	33
49	Profound phenotypic variation among mice deficient in the maintenance of genomic imprints. Human Reproduction, 2008, 23, 807-818.	0.9	26
50	Multiresolution identification of germ layer components in teratomas derived from human and nonhuman primate embryonic stem cells. , 2008, , .		14
51	Characterization, Cryopreservation, and Ablation of Spermatogonial Stem Cells in Adult Rhesus Macaques. Stem Cells, 2007, 25, 2330-2338.	3.2	198
52	Pedigreed Primate Embryonic Stem Cells Express Homogeneous Familial Gene Profiles. Stem Cells, 2007, 25, 2695-2704.	3.2	28
53	Assembly of spermatid acrosome depends on microtubule organization during mammalian spermiogenesis. Developmental Biology, 2006, 293, 218-227.	2.0	52
54	Lamin A/C Expression Is a Marker of Mouse and Human Embryonic Stem Cell Differentiation. Stem Cells, 2006, 24, 177-185.	3.2	311

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55	Neonatal behavior and infant cognitive development in rhesus macaques produced by assisted reproductive technologies. Developmental Psychobiology, 2006, 48, 243-265.	1.6	26
56	Profilin and actin-related proteins regulate microfilament dynamics during early mammalian embryogenesis. Human Reproduction, 2006, 21, 1143-1153.	0.9	48
57	Dogs cloned from adult somatic cells. Nature, 2005, 436, 641-641.	27.8	394
58	Specific dynamic and noninvasive labeling of pancreatic Î² cells in reporter mice. Genesis, 2005, 43, 166-174.	1.6	7
59	Patient-Specific Embryonic Stem Cells Derived from Human SCNT Blastocysts. Science, 2005, 308, 1777-1783.	12.6	417
60	Hurdles to Improving the Efficiency of Therapeutic Cloning. , 2005, , 237-252.		0
61	Culture of human embryonic stem cells. Nature Methods, 2005, 2, 455-463.	19.0	56
62	On Regenerating the Ovary and Generating Controversy. Cell, 2005, 122, 821-822.	28.9	155
63	The Expression of Mitochondrial DNA Transcription Factors during Early Cardiomyocyte In Vitro Differentiation from Human Embryonic Stem Cells. Cloning and Stem Cells, 2005, 7, 141-153.	2.6	216
64	Paternal Mitochondrial DNA Transmission During Nonhuman Primate Nuclear Transfer. Genetics, 2004, 167, 897-905.	2.9	71
65	Novel lamin A/C gene (LMNA) mutations in atypical progeroid syndromes. Journal of Medical Genetics, 2004, 41, 304-308.	3.2	145
66	WAVE1, an A-kinase anchoring protein, during mammalian spermatogenesis. Human Reproduction, 2004, 19, 2594-2604.	0.9	27
67	PRESENCE OF N-ETHYL MALEIMIDE SENSITIVE FACTOR (NSF) ON THE ACROSOME OF MAMMALIAN SPERM. Archives of Andrology, 2004, 50, 163-168.	1.0	12
68	Can diabetes be cured by therapeutic cloning?. Pediatric Diabetes, 2004, 5, 79-87.	2.9	4
69	Genome-scale expression profiling of Hutchinson-Gilford progeria syndrome reveals widespread transcriptional misregulation leading to mesodermal/mesenchymal defects and accelerated atherosclerosis. Aging Cell, 2004, 3, 235-243.	6.7	171
70	Plane talk. Nature, 2004, 430, 301-302.	27.8	3
71	Centrosomal function assessment in human sperm using heterologous ICSI with rabbit eggs: A new male factor infertility assay. Molecular Reproduction and Development, 2004, 67, 360-365.	2.0	42
72	WAVE1 intranuclear trafficking is essential for genomic and cytoskeletal dynamics during fertilization: cell-cycle-dependent shuttling between M-phase and interphase nuclei. Developmental Biology, 2004, 276, 253-267.	2.0	40

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73	Embryogenesis and blastocyst development after somatic cell nuclear transfer in nonhuman primates: overcoming defects caused by meiotic spindle extraction. Developmental Biology, 2004, 276, 237-252.	2.0	105
74	LIS1 association with dynactin is required for nuclear motility and genomic union in the fertilized mammalian oocyte. Cytoskeleton, 2003, 56, 245-251.	4.4	18
75	Golgi dynamics during meiosis are distinct from mitosis and are coupled to endoplasmic reticulum dynamics until fertilization. Developmental Biology, 2003, 264, 50-63.	2.0	46
76	Preferentially localized dynein and perinuclear dynactin associate with nuclear pore complex proteins to mediate genomic union during mammalian fertilization. Journal of Cell Science, 2003, 116, 4727-4738.	2.0	103
77	Cloning Claim Is Science Fiction, Not Science. Science, 2003, 299, 344b-344.	12.6	26
78	Molecular Correlates of Primate Nuclear Transfer Failures. Science, 2003, 300, 297-297.	12.6	220
79	INTRACYTOPLASMIC SPERM INJECTION: STILETTO CONCEPTION OR A STAB IN THE DARK. Archives of Andrology, 2003, 49, 169-177.	1.0	6
80	Fertilization: fate of sperm components after ICSI. , 2003, , 133-140.		0
81	ICSI, Male Pronuclear Remodeling and Cell Cycle Checkpoints. Advances in Experimental Medicine and Biology, 2003, 518, 199-210.	1.6	4
82	Transgenic Bovine Embryo Selection Using Green Fluorescent Protein. , 2002, 183, 201-214.		0
83	Fate of sperm components during assisted reproduction: Implications for infertility. Human Fertility, 2002, 5, 110-116.	1.7	25
84	Control of Membrane Fusion During Spermiogenesis and the Acrosome Reaction1. Biology of Reproduction, 2002, 67, 1043-1051.	2.7	94
85	Golgi Apparatus Dynamics During Mouse Oocyte In Vitro Maturation: Effect of the Membrane Trafficking Inhibitor Brefeldin A1. Biology of Reproduction, 2002, 66, 1259-1266.	2.7	51
86	VAMP/synaptobrevin as an acrosomal marker for human sperm. Fertility and Sterility, 2002, 77, 159-161.	1.0	7
87	Inhibition of mouse in vitro fertilization by an antibody against a unique 18-amino acid domain in the polysulfate-binding domain of proacrosin/acrosin. Fertility and Sterility, 2002, 77, 812-817.	1.0	14
88	Cell allocation and cell death in blastocysts from nonhuman primates generated during in vitro fertilization and intracytoplasmic sperm injection. Fertility and Sterility, 2002, 77, 1083-1085.	1.0	6
89	Human sperm aster formation after intracytoplasmic sperm injection with rabbit and bovine eggs. Fertility and Sterility, 2002, 77, 1283-1284.	1.0	22
90	The use of primates as models for assisted reproduction. Reproductive BioMedicine Online, 2002, 5, 50-55.	2.4	20

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91	Analysis of DNA fragmentation of in vitro cultured bovine blastocysts using TUNEL. Theriogenology, 2002, 57, 2193-2202.	2.1	61
92	Sperm mRNAâ€"what does daddy do?. Lancet, The, 2002, 360, 742.	13.7	3
93	Rhesus offspring produced by intracytoplasmic injection of testicular sperm and elongated spermatids. Fertility and Sterility, 2002, 77, 794-801.	1.0	39
94	Arrest of cell cycle progression during first interphase in murine zygotes microinjected with anti-PCM-1 antibodies. Cytoskeleton, 2002, 52, 183-192.	4.4	34
95	Ubiquitin-dependent sperm quality control mechanism recognizes spermatozoa with DNA defects as revealed by dual ubiquitin-TUNEL assay. Molecular Reproduction and Development, 2002, 61, 406-413.	2.0	78
96	Cloning in Nonhuman Primates. , 2002, , 419-431.		0
97	Acrosome components after intracytoplasmic sperm injection: the decondensation frontier. Fertility and Sterility, 2001, 76, 196-197.	1.0	4
98	Transgenic Monkeys Produced by Retroviral Gene Transfer into Mature Oocytes. Science, 2001, 291, 309-312.	12.6	296
99	Membrane Trafficking Machinery Components Associated with the Mammalian Acrosome during Spermiogenesis. Experimental Cell Research, 2001, 267, 45-60.	2.6	89
100	Reverse transcription of inserted DNA in a monkey gives us ANDi. Trends in Pharmacological Sciences, 2001, 22, 214-215.	8.7	1
101	TRANSGENIC PIGS PRODUCED USING IN VITRO MATURED OOCYTES INFECTED WITH A RETROVIRAL VECTOR. Animal Biotechnology, 2001, 12, 205-214.	1.5	99
102	Ubiquitin-based sperm assay for the diagnosis of male factor infertility. Human Reproduction, 2001, 16, 250-258.	0.9	105
103	Subcellular localization of ?1,4-galactosyltransferase on bull sperm and its function during sperm-egg interactions. Molecular Reproduction and Development, 2001, 58, 236-244.	2.0	13
104	Accumulation of the Proteolytic Marker Peptide Ubiquitin in the Trophoblast of Mammalian Blastocysts. Cloning and Stem Cells, 2001, 3, 157-161.	2.6	15
105	Microfilament stabilization by jasplakinolide arrests oocyte maturation, cortical granule exocytosis, sperm incorporation cone resorption, and cell-cycle progression, but not DNA replication, during fertilization in mice. , 2000, 56, 89-98.		67
106	TransgenICSI reviewed: Foreign DNA transmission by intracytoplasmic sperm injection in rhesus monkey. Molecular Reproduction and Development, 2000, 56, 325-328.	2.0	35
107	Microtubule configurations and post-translational ?-tubulin modifications during mammalian spermatogenesis. Cytoskeleton, 2000, 46, 235-246.	4.4	45
108	Live Rhesus Offspring by Artificial Insemination Using Fresh Sperm and Cryopreserved Sperm1. Biology of Reproduction, 2000, 63, 1092-1097.	2.7	66

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109	Vesicular Traffic and Golgi Apparatus Dynamics During Mammalian Spermatogenesis: Implications for Acrosome Architecture1. Biology of Reproduction, 2000, 63, 89-98.	2.7	110
110	Dynamic Imaging of the Metaphase II Spindle and Maternal Chromosomesin Bovine Oocytes: Implications for Enucleation Efficiency Verification, Avoidanceof Parthenogenesis, and Successful Embryogenesis1. Biology of Reproduction, 2000, 62, 150-154.	2.7	80
111	Ubiquitinated Sperm Mitochondria, Selective Proteolysis, and the Regulation of Mitochondrial Inheritance in Mammalian Embryos1. Biology of Reproduction, 2000, 63, 582-590.	2.7	365
112	Foreign DNA transmission by ICSI: injection of spermatozoa bound with exogenous DNA results in embryonic GFP expression and live Rhesus monkey births. Molecular Human Reproduction, 2000, 6, 26-33.	2.8	116
113	The Golgi Apparatus Segregates from the Lysosomal/Acrosomal Vesicle during Rhesus Spermiogenesis: Structural Alterations. Developmental Biology, 2000, 219, 334-349.	2.0	76
114	SNAREs in Mammalian Sperm: Possible Implications for Fertilization. Developmental Biology, 2000, 223, 54-69.	2.0	115
115	Clonal Propagation of Primate Offspring by Embryo Splitting. Science, 2000, 287, 317-319.	12.6	115
116	ICSI choreography: fate of sperm structures after monospermic rhesus ICSI and first cell cycle implications. Human Reproduction, 2000, 15, 2610-2620.	0.9	69
117	Sperm Aster Formation and Pronuclear Decondensation During Rabbit Fertilization and Development of a Functional Assay for Human Sperm1. Biology of Reproduction, 2000, 62, 557-563.	2.7	42
118	Atypical decondensation of the sperm nucleus, delayed replication of the male genome, and sex chromosome positioning following intracytoplasmic human sperm injection (ICSI) into golden hamster eggs: does ICSI itself introduce chromosomal anomalies?. Fertility and Sterility, 2000, 74, 454-460.	1.0	91
119	Biparental Inheritance of Î³-Tubulin during Human Fertilization: Molecular Reconstitution of Functional Zygotic Centrosomes in Inseminated Human Oocytes and in Cell-free Extracts Nucleated by Human Sperm. Molecular Biology of the Cell, 1999, 10, 2955-2969.	2.1	77
120	Ubiquitin tag for sperm mitochondria. Nature, 1999, 402, 371-372.	27.8	558
121	Unique checkpoints during the first cell cycle of fertilization after intracytoplasmic sperm injection in rhesus monkeys. Nature Medicine, 1999, 5, 431-433.	30.7	221
122	Paternal Contributions to the Mammalian Zygote: Fertilization after Sperm-Egg Fusion. International Review of Cytology, 1999, 195, 1-65.	6.2	182
123	Non-random chromosome positioning in human sperm and sex chromosome anomalies following intracytoplasmic sperm injection. Lancet, The, 1999, 353, 1240.	13.7	81
124	The Kinesin-Related Protein, Hset, Opposes the Activity of Eg5 and Cross-Links Microtubules in the Mammalian Mitotic Spindle. Journal of Cell Biology, 1999, 147, 351-366.	5.2	308
125	On-stage selection of single round spermatids using a vital, mitochondrion-specific fluorescent probe MitoTrackerâ„¢ and high resolution differential interference contrast microscopy. Human Reproduction, 1999, 14, 2301-2312.	0.9	45
126	Cell and Molecular Biological Challenges of ICSI: ART before Science?. Journal of Law, Medicine and Ethics, 1998, 26, 29-37.	0.9	38

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127	Daniel Mazia: a passion for understanding how cells reproduce. Trends in Cell Biology, 1998, 8, 416-418.	7.9	4
128	Centrosome Reduction during Mouse Spermiogenesis. Developmental Biology, 1998, 203, 424-434.	2.0	130
129	Increase of intracellular Ca2+ and relocation of E-cadherin during experimental decompaction of mouse embryos. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 12977-12982.	7.1	50
130	Differential Expression and Functions of Cortical Myosin IIA and IIB Isotypes during Meiotic Maturation, Fertilization, and Mitosis in Mouse Oocytes and Embryos. Molecular Biology of the Cell, 1998, 9, 2509-2525.	2.1	109
131	Ultrastructural aspects of mammalian fertilization: new discoveries and inspirations from the work of Daniel SzÃ¶llÃ¶si. Reproduction, Nutrition, Development, 1998, 38, 629-641.	1.9	7
132	Microtubule Organization and Chromatin Configurations in Hamster Oocytes during Fertilization and Parthenogenetic Activation, and after Insemination with Human Sperm1. Biology of Reproduction, 1997, 57, 967-975.	2.7	51
133	Depletion of Glutathione during Bovine Oocyte Maturation Reversibly Blocks the Decondensation of the Male Pronucleus and Pronuclear Apposition during Fertilization1. Biology of Reproduction, 1997, 56, 1503-1512.	2.7	193
134	Evidence for the Presence of Myosin I in the Nucleus. Journal of Biological Chemistry, 1997, 272, 17176-17181.	3.4	113
135	Low-Voltage Scanning Electron Microscopy of Mammalian Fertilization In Vitro: Preparation of Oocytes. Microscopy and Microanalysis, 1997, 3, 193-202.	0.4	2
136	The Removal of the Sperm Perinuclear Theca and Its Association with the Bovine Oocyte Surface during Fertilization. Developmental Biology, 1997, 188, 75-84.	2.0	108
137	The Implications of a Paternally Derived Centrosome During Human Fertilization: Consequences for Reproduction and the Treatment of Male Factor Infertility. American Journal of Reproductive Immunology, 1997, 37, 39-49.	1.2	26
138	Mitochondrial sheath movement and detachment in mammalian, but not nonmammalian, sperm induced by disulfide bond reduction. Molecular Reproduction and Development, 1997, 47, 79-86.	2.0	35
139	Recruitment of maternal material during assembly of the zygote centrosome in fertilized sea urchin eggs. Cell and Tissue Research, 1997, 289, 285-297.	2.9	12
140	Phenotypic variations among paternal centrosomes expressed within the zygote as disparate microtubule lengths and sperm aster organization: correlations between centrosome activity and developmental success.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5384-5388.	7.1	88
141	10 Mammalian Model Systems for Exploring Cytoskeletal Dynamics during Fertilization. Current Topics in Developmental Biology, 1996, 31, 321-342.	2.2	15
142	Microtubule and microfilament dynamics in porcine oocytes during meiotic maturation. Molecular Reproduction and Development, 1996, 43, 248-255.	2.0	112
143	Propranolol induces polyspermy during sea urchin fertilization. Molecular Reproduction and Development, 1996, 43, 387-391.	2.0	5
144	Cold-treated centrosome: Isolation of centrosomes from mitotic sea urchin eggs, production of an anticentrosomal antibody, and novel ultrastructural imaging. , 1996, 33, 197-207.		31

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145	Microtubule Organization in Porcine Oocytes during Fertilization and Parthenogenesis1. Biology of Reproduction, 1996, 54, 1397-1404.	2.7	107
146	Fate of the Sperm Mitochondria, and the Incorporation, Conversion, and Disassembly of the Sperm Tail Structures during Bovine Fertilization1. Biology of Reproduction, 1996, 55, 1195-1205.	2.7	196
147	Microtubule and Chromatin Dynamics during Fertilization and Early Development in Rhesus Monkeys, and Regulation by Intracellular Calcium Ions1. Biology of Reproduction, 1996, 55, 260-270.	2.7	93
148	Microtubule and Chromatin Configurations during Rhesus Intracytoplasmic Sperm Injection: Successes and Failures1. Biology of Reproduction, 1996, 55, 271-280.	2.7	102
149	Fertilization and early embryology: Intracytoplasmic sperm injection for Rhesus monkey fertilization results in unusual chromatin, cytoskeletal, and membrane events, but eventually leads to pronuclear development and sperm aster assembly. Human Reproduction, 1996, 11, 1703-1712.	0.9	108
150	Protein tyrosine phosphorylation during sea urchin fertilization: Microtubule dynamics require tyrosine kinase activity. Cytoskeleton, 1995, 30, 122-135.	4.4	37
151	The paternal inheritance of the centrosome, the cell's microtubule-organizing center, in humans, and the implications for infertility. Nature Medicine, 1995, 1, 47-52.	30.7	266
152	Molecular Characterization and Expression Patterns of a B-Type Nuclear Lamin during Sea Urchin Embryogenesis. Developmental Biology, 1995, 168, 464-478.	2.0	26
153	The stages at which human fertilization arrests: microtubule and chromosome configurations in inseminated oocytes which failed to complete fertilization and development in humans. Molecular Human Reproduction, 1995, 1, 239-248.	2.8	6
154	Microtubule Organization in the Cow during Fertilization, Polyspermy, Parthenogenesis, and Nuclear Transfer: The Role of the Sperm Aster. Developmental Biology, 1994, 162, 29-40.	2.0	221
155	The Centrosome and Its Mode of Inheritance: The Reduction of the Centrosome during Gametogenesis and Its Restoration during Fertilization. Developmental Biology, 1994, 165, 299-335.	2.0	647
156	Tracing the Incorporation of the Sperm Tail in the Mouse Zygote and Early Embryo Using an Anti-testicular Î±-Tubulin Antibody. Developmental Biology, 1993, 158, 536-548.	2.0	53
157	Chapter 1 Introduction to Confocal Microscopy and Three-Dimensional Reconstruction. Methods in Cell Biology, 1993, 38, 1-45.	1.1	67
158	[32] Techniques for localization of specific molecules in oocytes and embryos. Methods in Enzymology, 1993, 225, 516-553.	1.0	80
159	Meiosis, egg activation, and nuclear envelope breakdown are differentially reliant on Ca2+, whereas germinal vesicle breakdown is Ca2+ independent in the mouse oocyte. Journal of Cell Biology, 1992, 117, 799-811.	5.2	246
160	Confocal microscopy of fertilization-induced calcium dynamics in sea urchin eggs. Developmental Biology, 1992, 149, 370-380.	2.0	94
161	Activation of maternal centrosomes in unfertilized sea urchin eggs. Cytoskeleton, 1992, 23, 61-70.	4.4	49
162	Spindle pole centrosomes of sea urchin embryos are partially composed of material recruited from maternal stores. Developmental Biology, 1991, 147, 343-353.	2.0	32

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163	The Cytoskeleton and Nuclear Disassembly during Germinal Vesicle Breakdown in Starfish Oocytes. (1-methyladenine/cytochalasin B/microfilaments/microtubules/oocyte maturation). Development Growth and Differentiation, 1991, 33, 163-171.	1.5	14
164	Three-Dimensional imaging of fertilization and early development. Journal of Electron Microscopy Technique, 1991, 17, 384-400.	1.1	12
165	Maternal inheritance of centrosomes in mammals? Studies on parthenogenesis and polyspermy in mice.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 6785-6789.	7.1	99
166	T-1, a mitotic arrester, alters centrosome configurations in fertilized sea urchin eggs. Cytoskeleton, 1990, 16, 146-154.	4.4	1
167	Propranolol, a ?-adrenergic receptor blocker, affects microfilament organization, but not microtubules, during the first division in sea urchin eggs. Cytoskeleton, 1990, 16, 182-189.	4.4	9
168	Microinjected centromere [corrected] kinetochore antibodies interfere with chromosome movement in meiotic and mitotic mouse oocytes [published erratum appears in J Cell Biol 1990 Dec;111(6 Pt) Tj ETQq0 0 0 rgB T /Overlock 10 Tf 50	8.1	108
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