

# Gerald Schatten

## List of Publications by Year in descending order

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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	Adhesion of cells to surfaces coated with polylysine. Applications to electron microscopy.. Journal of Cell Biology, 1975, 66, 198-200.	5.2	827
2	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
3	Energy Metabolism in Human Pluripotent Stem Cells and Their Differentiated Counterparts. PLoS ONE, 2011, 6, e20914.	2.5	574
4	Ubiquitin tag for sperm mitochondria. Nature, 1999, 402, 371-372.	27.8	558
5	Intracellular calcium release at fertilization in the sea urchin egg. Developmental Biology, 1977, 58, 185-196.	2.0	501
6	Patient-Specific Embryonic Stem Cells Derived from Human SCNT Blastocysts. Science, 2005, 308, 1777-1783.	12.6	417
7	Dogs cloned from adult somatic cells. Nature, 2005, 436, 641-641.	27.8	394
8	Ubiquitinated Sperm Mitochondria, Selective Proteolysis, and the Regulation of Mitochondrial Inheritance in Mammalian Embryos <sup>1</sup> . Biology of Reproduction, 2000, 63, 582-590.	2.7	365
9	Microtubule configurations during fertilization, mitosis, and early development in the mouse and the requirement for egg microtubule-mediated motility during mammalian fertilization.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 4152-4156.	7.1	360
10	Spermatogonial Stem Cell Transplantation into Rhesus Testes Regenerates Spermatogenesis Producing Functional Sperm. Cell Stem Cell, 2012, 11, 715-726.	11.1	359
11	Behavior of centrosomes during fertilization and cell division in mouse oocytes and in sea urchin eggs.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 105-109.	7.1	328
12	Lamin A/C Expression Is a Marker of Mouse and Human Embryonic Stem Cell Differentiation. Stem Cells, 2006, 24, 177-185.	3.2	311
13	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
14	Transgenic Monkeys Produced by Retroviral Gene Transfer into Mature Oocytes. Science, 2001, 291, 309-312.	12.6	296
15	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
16	Meiosis, egg activation, and nuclear envelope breakdown are differentially reliant on Ca <sup>2+</sup> , whereas germinal vesicle breakdown is Ca <sup>2+</sup> independent in the mouse oocyte. Journal of Cell Biology, 1992, 117, 799-811.	5.2	246
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Molecular Correlates of Primate Nuclear Transfer Failures. <i>Science</i> , 2003, 300, 297-297.	12.6	220
20	Direct Differentiation of Human Pluripotent Stem Cells into Haploid Spermatogenic Cells. <i>Cell Reports</i> , 2012, 2, 440-446.	6.4	217
21	The Expression of Mitochondrial DNA Transcription Factors during Early Cardiomyocyte In Vitro Differentiation from Human Embryonic Stem Cells. <i>Cloning and Stem Cells</i> , 2005, 7, 141-153.	2.6	216
22	Characterization, Cryopreservation, and Ablation of Spermatogonial Stem Cells in Adult Rhesus Macaques. <i>Stem Cells</i> , 2007, 25, 2330-2338.	3.2	198
23	Fate of the Sperm Mitochondria, and the Incorporation, Conversion, and Disassembly of the Sperm Tail Structures during Bovine Fertilization1. <i>Biology of Reproduction</i> , 1996, 55, 1195-1205.	2.7	196
24	Depletion of Glutathione during Bovine Oocyte Maturation Reversibly Blocks the Decondensation of the Male Pronucleus and Pronuclear Apposition during Fertilization1. <i>Biology of Reproduction</i> , 1997, 56, 1503-1512.	2.7	193
25	Paternal Contributions to the Mammalian Zygote: Fertilization after Sperm-Egg Fusion. <i>International Review of Cytology</i> , 1999, 195, 1-65.	6.2	182
26	Genome-scale expression profiling of Hutchinson-Gilford progeria syndrome reveals widespread transcriptional misregulation leading to mesodermal/mesenchymal defects and accelerated atherosclerosis. <i>Aging Cell</i> , 2004, 3, 235-243.	6.7	171
27	On Regenerating the Ovary and Generating Controversy. <i>Cell</i> , 2005, 122, 821-822.	28.9	155
28	DNA Damage Responses in Human Induced Pluripotent Stem Cells and Embryonic Stem Cells. <i>PLoS ONE</i> , 2010, 5, e13410.	2.5	149
29	Novel lamin A/C gene (LMNA) mutations in atypical progeroid syndromes. <i>Journal of Medical Genetics</i> , 2004, 41, 304-308.	3.2	145
30	Visualization of actin fibers associated with the cell membrane in amoebae of <i>Dictyostelium discoideum</i> .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1975, 72, 1758-1762.	7.1	144
31	Nuclear lamins and peripheral nuclear antigens during fertilization and embryogenesis in mice and sea urchins.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985, 82, 4727-4731.	7.1	137
32	Ionizing Radiation Induces Ataxia Telangiectasia Mutated-Dependent Checkpoint Signaling and G2 But Not G1 Cell Cycle Arrest in Pluripotent Human Embryonic Stem Cells. <i>Stem Cells</i> , 2009, 27, 1822-1835.	3.2	133
33	Centrosome Reduction during Mouse Spermiogenesis. <i>Developmental Biology</i> , 1998, 203, 424-434.	2.0	130
34	Foreign DNA transmission by ICSI: injection of spermatozoa bound with exogenous DNA results in embryonic GFP expression and live Rhesus monkey births. <i>Molecular Human Reproduction</i> , 2000, 6, 26-33.	2.8	116
35	SNAREs in Mammalian Sperm: Possible Implications for Fertilization. <i>Developmental Biology</i> , 2000, 223, 54-69.	2.0	115
36	Clonal Propagation of Primate Offspring by Embryo Splitting. <i>Science</i> , 2000, 287, 317-319.	12.6	115

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37	Evidence for the Presence of Myosin I in the Nucleus. <i>Journal of Biological Chemistry</i> , 1997, 272, 17176-17181.	3.4	113
38	Microtubule and microfilament dynamics in porcine oocytes during meiotic maturation. <i>Molecular Reproduction and Development</i> , 1996, 43, 248-255.	2.0	112
39	Vesicular Traffic and Golgi Apparatus Dynamics During Mammalian Spermatogenesis: Implications for Acrosome Architecture1. <i>Biology of Reproduction</i> , 2000, 63, 89-98.	2.7	110
40	Differential Expression and Functions of Cortical Myosin IIA and IIB Isoforms during Meiotic Maturation, Fertilization, and Mitosis in Mouse Oocytes and Embryos. <i>Molecular Biology of the Cell</i> , 1998, 9, 2509-2525.	2.1	109
41	Microinjected centromere [corrected] kinetochore antibodies interfere with chromosome movement in meiotic and mitotic mouse oocytes [published erratum appears in <i>J Cell Biol</i> 1990 Dec;111(6 Pt 1) 843-844]. <i>J Cell Biol</i> 1990 Dec;111(6 Pt 1) 843-844.	1.7	114
42	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. <i>Human Reproduction</i> , 1996, 11, 1703-1712.	0.9	108
43	The Removal of the Sperm Perinuclear Theca and Its Association with the Bovine Oocyte Surface during Fertilization. <i>Developmental Biology</i> , 1997, 188, 75-84.	2.0	108
44	Microtubule Organization in Porcine Oocytes during Fertilization and Parthenogenesis1. <i>Biology of Reproduction</i> , 1996, 54, 1397-1404.	2.7	107
45	Latrunculin inhibits the microfilament-mediated processes during fertilization, cleavage and early development in sea urchins and mice. <i>Experimental Cell Research</i> , 1986, 166, 191-208.	2.6	106
46	mTOR-Mediated Activation of p70 S6K Induces Differentiation of Pluripotent Human Embryonic Stem Cells. <i>Cellular Reprogramming</i> , 2010, 12, 263-273.	0.9	106
47	Ubiquitin-based sperm assay for the diagnosis of male factor infertility. <i>Human Reproduction</i> , 2001, 16, 250-258.	0.9	105
48	Embryogenesis and blastocyst development after somatic cell nuclear transfer in nonhuman primates: overcoming defects caused by meiotic spindle extraction. <i>Developmental Biology</i> , 2004, 276, 237-252.	2.0	105
49	Preferentially localized dynein and perinuclear dynactin associate with nuclear pore complex proteins to mediate genomic union during mammalian fertilization. <i>Journal of Cell Science</i> , 2003, 116, 4727-4738.	2.0	103
50	A novel atypical sperm centriole is functional during human fertilization. <i>Nature Communications</i> , 2018, 9, 2210.	12.8	103
51	Microtubule and Chromatin Configurations during Rhesus Intracytoplasmic Sperm Injection: Successes and Failures1. <i>Biology of Reproduction</i> , 1996, 55, 271-280.	2.7	102
52	Motility during Fertilization. <i>International Review of Cytology</i> , 1982, 79, 59-163.	6.2	99
53	Maternal inheritance of centrosomes in mammals? Studies on parthenogenesis and polyspermy in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 6785-6789.	7.1	99
54	TRANSGENIC PIGS PRODUCED USING IN VITRO MATURED OOCYTES INFECTED WITH A RETROVIRAL VECTOR. <i>Animal Biotechnology</i> , 2001, 12, 205-214.	1.5	99

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55	Acetylated $\alpha$ -tubulin in microtubules during mouse fertilization and early development. <i>Developmental Biology</i> , 1988, 130, 74-86.	2.0	98
56	Taxol inhibits the nuclear movements during fertilization and induces asters in unfertilized sea urchin eggs. <i>Journal of Cell Biology</i> , 1982, 94, 455-465.	5.2	97
57	Confocal microscopy of fertilization-induced calcium dynamics in sea urchin eggs. <i>Developmental Biology</i> , 1992, 149, 370-380.	2.0	94
58	Control of Membrane Fusion During Spermiogenesis and the Acrosome Reaction. <i>Biology of Reproduction</i> , 2002, 67, 1043-1051.	2.7	94
59	Microtubule and Chromatin Dynamics during Fertilization and Early Development in Rhesus Monkeys, and Regulation by Intracellular Calcium Ions. <i>Biology of Reproduction</i> , 1996, 55, 260-270.	2.7	93
60	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?. <i>Fertility and Sterility</i> , 2000, 74, 454-460.	1.0	91
61	Let-7d microRNA affects mesenchymal phenotypic properties of lung fibroblasts. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 306, L534-L542.	2.9	91
62	Effects of motility inhibitors during sea urchin fertilization. <i>Experimental Cell Research</i> , 1981, 135, 311-330.	2.6	90
63	Nuclear Lamin Antigens are Developmentally Regulated during Porcine and Bovine Embryogenesis. <i>Biology of Reproduction</i> , 1989, 41, 123-132.	2.7	90
64	Membrane Trafficking Machinery Components Associated with the Mammalian Acrosome during Spermiogenesis. <i>Experimental Cell Research</i> , 2001, 267, 45-60.	2.6	89
65	Phenotypic variations among paternal centrosomes expressed within the zygote as disparate microtubule lengths and sperm aster organization: correlations between centrosome activity and developmental success. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 5384-5388.	7.1	88
66	Anti-tubulin immunofluorescence microscopy of microtubules present during the pronuclear movements of sea urchin fertilization. <i>Developmental Biology</i> , 1981, 88, 80-91.	2.0	87
67	Localization of fodrin during fertilization and early development of sea urchins and mice. <i>Developmental Biology</i> , 1986, 118, 457-466.	2.0	85
68	Microtubule-containing detergent-extracted cytoskeletons in sea urchin eggs from fertilization through cell division: Antitubulin immunofluorescence microscopy. <i>Cell Motility</i> , 1983, 3, 213-226.	1.8	82
69	Microtubules in ascidian eggs during meiosis, fertilization, and mitosis. <i>Cytoskeleton</i> , 1988, 9, 219-230.	4.4	81
70	Non-random chromosome positioning in human sperm and sex chromosome anomalies following intracytoplasmic sperm injection. <i>Lancet</i> , The, 1999, 353, 1240.	13.7	81
71	Centrosome detection in sea urchin eggs with a monoclonal antibody against <i>Drosophila</i> intermediate filament proteins: characterization of stages of the division cycle of centrosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 8488-8492.	7.1	80
72	[32] Techniques for localization of specific molecules in oocytes and embryos. <i>Methods in Enzymology</i> , 1993, 225, 516-553.	1.0	80

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73	Dynamic Imaging of the Metaphase II Spindle and Maternal Chromosomes in Bovine Oocytes: Implications for Enucleation Efficiency Verification, Avoidance of Parthenogenesis, and Successful Embryogenesis. <i>Biology of Reproduction</i> , 2000, 62, 150-154.	2.7	80
74	Ubiquitin-dependent sperm quality control mechanism recognizes spermatozoa with DNA defects as revealed by dual ubiquitin-TUNEL assay. <i>Molecular Reproduction and Development</i> , 2002, 61, 406-413.	2.0	78
75	Biparental Inheritance of $\beta$ -Tubulin during Human Fertilization: Molecular Reconstitution of Functional Zygotic Centrosomes in Inseminated Human Oocytes and in Cell-free Extracts Nucleated by Human Sperm. <i>Molecular Biology of the Cell</i> , 1999, 10, 2955-2969.	2.1	77
76	The Golgi Apparatus Segregates from the Lysosomal/Acrosomal Vesicle during Rhesus Spermiogenesis: Structural Alterations. <i>Developmental Biology</i> , 2000, 219, 334-349.	2.0	76
77	The penetration of the spermatozoon through the sea urchin egg surface at fertilization *1 Observations from the outside on whole eggs and from the inside on isolated surfaces. <i>Experimental Cell Research</i> , 1976, 98, 325-337.	2.6	74
78	Strategies for Improving Animal Models for Regenerative Medicine. <i>Cell Stem Cell</i> , 2013, 12, 271-274.	11.1	74
79	Paternal Mitochondrial DNA Transmission During Nonhuman Primate Nuclear Transfer. <i>Genetics</i> , 2004, 167, 897-905.	2.9	71
80	Turning on of activities in unfertilized sea urchin eggs: correlation with changes of the surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1975, 72, 4469-4473.	7.1	70
81	Wave of free calcium at fertilization in the sea urchin egg visualized with fura-2. <i>Cytoskeleton</i> , 1988, 9, 271-277.	4.4	70
82	ICSI choreography: fate of sperm structures after monospermic rhesus ICSI and first cell cycle implications. <i>Human Reproduction</i> , 2000, 15, 2610-2620.	0.9	69
83	Chapter 1 Introduction to Confocal Microscopy and Three-Dimensional Reconstruction. <i>Methods in Cell Biology</i> , 1993, 38, 1-45.	1.1	67
84	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. <i>Developmental Biology</i> , 2000, 56, 89-98.		67
85	Live Rhesus Offspring by Artificial Insemination Using Fresh Sperm and Cryopreserved Sperm. <i>Biology of Reproduction</i> , 2000, 63, 1092-1097.	2.7	66
86	Surface activity at the egg plasma membrane during sperm incorporation and its cytochalasin B sensitivity. <i>Developmental Biology</i> , 1980, 78, 435-449.	2.0	65
87	Effects of cytoskeletal inhibitors on ooplasmic segregation and microtubule organization during fertilization and early development in the ascidian <i>Molgula occidentalis</i> . <i>Developmental Biology</i> , 1989, 132, 331-342.	2.0	61
88	Analysis of DNA fragmentation of in vitro cultured bovine blastocysts using TUNEL. <i>Theriogenology</i> , 2002, 57, 2193-2202.	2.1	61
89	Culture of human embryonic stem cells. <i>Nature Methods</i> , 2005, 2, 455-463.	19.0	56
90	Sperm incorporation, the pronuclear migrations, and their relation to the establishment of the first embryonic axis: Time-lapse video microscopy of the movements during fertilization of the sea urchin <i>Lytechinus variegatus</i> . <i>Developmental Biology</i> , 1981, 86, 426-437.	2.0	55

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91	Actin-mediated surface motility during sea urchin fertilization. <i>Cell Motility</i> , 1983, 3, 513-524.	1.8	53
92	Microtubules are required for centrosome expansion and positioning while microfilaments are required for centrosome separation in sea urchin eggs during fertilization and mitosis. <i>Cytoskeleton</i> , 1988, 11, 248-259.	4.4	53
93	Tracing the Incorporation of the Sperm Tail in the Mouse Zygote and Early Embryo Using an Anti-testicular $\alpha$ -Tubulin Antibody. <i>Developmental Biology</i> , 1993, 158, 536-548.	2.0	53
94	Microtubules in the metaphase-arrested mouse oocyte turn over rapidly.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 6049-6053.	7.1	52
95	Assembly of spermatid acrosome depends on microtubule organization during mammalian spermiogenesis. <i>Developmental Biology</i> , 2006, 293, 218-227.	2.0	52
96	Microtubule Organization and Chromatin Configurations in Hamster Oocytes during Fertilization and Parthenogenetic Activation, and after Insemination with Human Sperm1. <i>Biology of Reproduction</i> , 1997, 57, 967-975.	2.7	51
97	Golgi Apparatus Dynamics During Mouse Oocyte In Vitro Maturation: Effect of the Membrane Trafficking Inhibitor Brefeldin A1. <i>Biology of Reproduction</i> , 2002, 66, 1259-1266.	2.7	51
98	Increase of intracellular Ca <sup>2+</sup> and relocation of E-cadherin during experimental decompaction of mouse embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 12977-12982.	7.1	50
99	Activation of maternal centrosomes in unfertilized sea urchin eggs. <i>Cytoskeleton</i> , 1992, 23, 61-70.	4.4	49
100	Defective DSB repair correlates with abnormal nuclear morphology and is improved with FTI treatment in Hutchinson-Gilford progeria syndrome fibroblasts. <i>Experimental Cell Research</i> , 2010, 316, 2747-2759.	2.6	49
101	Profilin and actin-related proteins regulate microfilament dynamics during early mammalian embryogenesis. <i>Human Reproduction</i> , 2006, 21, 1143-1153.	0.9	48
102	Golgi dynamics during meiosis are distinct from mitosis and are coupled to endoplasmic reticulum dynamics until fertilization. <i>Developmental Biology</i> , 2003, 264, 50-63.	2.0	46
103	Neuronal apoptosis by HIV-1 Vpr: contribution of proinflammatory molecular networks from infected target cells. <i>Journal of Neuroinflammation</i> , 2012, 9, 138.	7.2	46
104	Microtubule configurations and post-translational $\beta$ -tubulin modifications during mammalian spermatogenesis. <i>Cytoskeleton</i> , 2000, 46, 235-246.	4.4	45
105	On-stage selection of single round spermatids using a vital, mitochondrion-specific fluorescent probe MitoTracker <sup>®</sup> and high resolution differential interference contrast microscopy. <i>Human Reproduction</i> , 1999, 14, 2301-2312.	0.9	45
106	Localization and expression of U1 RNA in early mouse embryo development. <i>Developmental Biology</i> , 1988, 127, 349-361.	2.0	43
107	Sperm Aster Formation and Pronuclear Decondensation During Rabbit Fertilization and Development of a Functional Assay for Human Sperm1. <i>Biology of Reproduction</i> , 2000, 62, 557-563.	2.7	42
108	Centrosomal function assessment in human sperm using heterologous ICSI with rabbit eggs: A new male factor infertility assay. <i>Molecular Reproduction and Development</i> , 2004, 67, 360-365.	2.0	42



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109	WAVE1 intranuclear trafficking is essential for genomic and cytoskeletal dynamics during fertilization: cell-cycle-dependent shuttling between M-phase and interphase nuclei. <i>Developmental Biology</i> , 2004, 276, 253-267.	2.0	40
110	Rhesus offspring produced by intracytoplasmic injection of testicular sperm and elongated spermatids. <i>Fertility and Sterility</i> , 2002, 77, 794-801.	1.0	39
111	Essential Roles of the Sperm Centrosome in Human Fertilization: Developing the Therapy for Fertilization Failure due to Sperm Centrosomal Dysfunction. <i>Tohoku Journal of Experimental Medicine</i> , 2010, 220, 247-258.	1.2	39
112	Teniposide, a topoisomerase II inhibitor, prevents chromosome condensation and separation but not decondensation in fertilized surf clam ( <i>Spisula solidissima</i> ) oocytes. <i>Developmental Biology</i> , 1990, 142, 224-232.	2.0	38
113	Cell and Molecular Biological Challenges of ICSI: ART before Science?. <i>Journal of Law, Medicine and Ethics</i> , 1998, 26, 29-37.	0.9	38
114	Protein tyrosine phosphorylation during sea urchin fertilization: Microtubule dynamics require tyrosine kinase activity. <i>Cytoskeleton</i> , 1995, 30, 122-135.	4.4	37
115	Mapping primary gyrogenesis. High-resolution in utero structural MRI study of fetal brain development in pregnant baboons. <i>Frontiers in Neuroscience</i> , 2010, 4, 20.	2.8	37
116	Stem cell therapeutic possibilities: future therapeutic options for male-factor and female-factor infertility?. <i>Reproductive BioMedicine Online</i> , 2013, 27, 75-80.	2.4	36
117	The surface events at fertilization: The movements of the spermatozoon through the sea urchin egg surface and the roles of the surface layers. <i>Journal of Supramolecular Structure</i> , 1976, 5, 343-369.	2.3	35
118	Mitochondrial sheath movement and detachment in mammalian, but not nonmammalian, sperm induced by disulfide bond reduction. <i>Molecular Reproduction and Development</i> , 1997, 47, 79-86.	2.0	35
119	TransgenICSI reviewed: Foreign DNA transmission by intracytoplasmic sperm injection in rhesus monkey. <i>Molecular Reproduction and Development</i> , 2000, 56, 325-328.	2.0	35
120	Microtubule assembly is required for the formation of the pronuclei, nuclear lamin acquisition, and DNA synthesis during mouse, but not sea urchin, fertilization. <i>Gamete Research</i> , 1989, 23, 309-322.	1.7	34
121	Arrest of cell cycle progression during first interphase in murine zygotes microinjected with anti-PCM-1 antibodies. <i>Cytoskeleton</i> , 2002, 52, 183-192.	4.4	34
122	Human Amniotic Epithelial Cells are Reprogrammed More Efficiently by Induced Pluripotency than Adult Fibroblasts. <i>Cellular Reprogramming</i> , 2012, 14, 193-203.	0.9	34
123	Detection of nuclear lamin B epitopes in oocyte nuclei from mice, sea urchins, and clams using a human autoimmune serum. <i>Developmental Biology</i> , 1987, 121, 368-375.	2.0	33
124	Transgenic primate offspring. <i>Nature</i> , 2009, 459, 515-516.	27.8	33
125	Spindle pole centrosomes of sea urchin embryos are partially composed of material recruited from maternal stores. <i>Developmental Biology</i> , 1991, 147, 343-353.	2.0	32
126	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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127	Dynamic 3D Culture Promotes Spontaneous Embryonic Stem Cell Differentiation <i>In Vitro</i> . <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 115-121.	2.1	31
128	Src-family tyrosine kinase activities are essential for differentiation of human embryonic stem cells. <i>Stem Cell Research</i> , 2014, 13, 379-389.	0.7	31
129	Motility and centrosomal organization during sea urchin and mouse fertilization. <i>Cytoskeleton</i> , 1986, 6, 163-175.	4.4	29
130	Kinetochores appearance during meiosis, fertilization and mitosis in mouse oocytes and zygotes. <i>Chromosoma</i> , 1988, 96, 341-352.	2.2	29
131	The movements and fusion of the pronuclei at fertilization of the sea urchin <i>Lytechinus variegatus</i> : Time-lapse video microscopy. <i>Journal of Morphology</i> , 1981, 167, 231-247.	1.2	28
132	Pedigreed Primate Embryonic Stem Cells Express Homogeneous Familial Gene Profiles. <i>Stem Cells</i> , 2007, 25, 2695-2704.	3.2	28
133	WAVE1, an A-kinase anchoring protein, during mammalian spermatogenesis. <i>Human Reproduction</i> , 2004, 19, 2594-2604.	0.9	27
134	Molecular Characterization and Expression Patterns of a B-Type Nuclear Lamin during Sea Urchin Embryogenesis. <i>Developmental Biology</i> , 1995, 168, 464-478.	2.0	26
135	The Implications of a Paternally Derived Centrosome During Human Fertilization: Consequences for Reproduction and the Treatment of Male Factor Infertility. <i>American Journal of Reproductive Immunology</i> , 1997, 37, 39-49.	1.2	26
136	Cloning Claim Is Science Fiction, Not Science. <i>Science</i> , 2003, 299, 344b-344.	12.6	26
137	Neonatal behavior and infant cognitive development in rhesus macaques produced by assisted reproductive technologies. <i>Developmental Psychobiology</i> , 2006, 48, 243-265.	1.6	26
138	Profound phenotypic variation among mice deficient in the maintenance of genomic imprints. <i>Human Reproduction</i> , 2008, 23, 807-818.	0.9	26
139	Fate of sperm components during assisted reproduction: Implications for infertility. <i>Human Fertility</i> , 2002, 5, 110-116.	1.7	25
140	Establishment and characterization of baboon embryonic stem cell lines: An Old World Primate model for regeneration and transplantation research. <i>Stem Cell Research</i> , 2009, 2, 178-187.	0.7	25
141	Cell Cycle Adaptations and Maintenance of Genomic Integrity in Embryonic Stem Cells and Induced Pluripotent Stem Cells. <i>Results and Problems in Cell Differentiation</i> , 2011, 53, 415-458.	0.7	25
142	Bioelectric responses at fertilization: Separation of the events associated with insemination from those due to the cortical reaction in sea urchin, <i>Lytechinus variegatus</i> . <i>Gamete Research</i> , 1982, 5, 363-377.	1.7	24
143	Timing the early events during sea urchin fertilization. <i>Developmental Biology</i> , 1983, 100, 244-248.	2.0	23
144	Human sperm aster formation after intracytoplasmic sperm injection with rabbit and bovine eggs. <i>Fertility and Sterility</i> , 2002, 77, 1283-1284.	1.0	22

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145	Interwoven Four-Compartment Capillary Membrane Technology for Three-Dimensional Perfusion with Decentralized Mass Exchange to Scale Up Embryonic Stem Cell Culture. <i>Cells Tissues Organs</i> , 2010, 192, 39-49.	2.3	21
146	Nuclear envelope disassembly and nuclear lamina depolymerization during germinal vesicle breakdown in starfish. <i>Developmental Biology</i> , 1989, 135, 87-98.	2.0	20
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