

Peter Sutovsky

List of Publications by Year in descending order

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Version: 2024-02-01

185
papers

10,208
citations

34105

52
h-index

42399

92
g-index

189
all docs

189
docs citations

189
times ranked

8200
citing authors

#	ARTICLE	IF	CITATIONS
1	Sperm proteins ODF2 and PAWP as markers of fertility in breeding bulls. <i>Cell and Tissue Research</i> , 2022, 387, 159-171.	2.9	12
2	Bioethics in human embryology: the double-edged sword of embryo research. <i>Systems Biology in Reproductive Medicine</i> , 2022, 68, 169-179.	2.1	3
3	A Non-Synonymous Point Mutation in a WD-40 Domain Repeat of EML5 Leads to Decreased Bovine Sperm Quality and Fertility. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 872740.	3.7	3
4	Hyperactivation is sufficient to release porcine sperm from immobilized oviduct glycans. <i>Scientific Reports</i> , 2022, 12, 6446.	3.3	5
5	Potential Use of Tannin Extracts as Additives in Semen Destined for Cryopreservation: A Review. <i>Animals</i> , 2022, 12, 1130.	2.3	4
6	Sperm Redox System Equilibrium: Implications for Fertilization and Male Fertility. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 345-367.	1.6	3
7	Zinc is a master-regulator of sperm function associated with binding, motility, and metabolic modulation during porcine sperm capacitation. <i>Communications Biology</i> , 2022, 5, .	4.4	10
8	Spermatozoan Metabolism as a Non-Traditional Model for the Study of Huntingtonâ€™s Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7163.	4.1	1
9	NEDD4-like ubiquitin ligase 2 protein (NEDL2) in porcine spermatozoa, oocytes, and preimplantation embryos and its role in oocyte fertilization. <i>Biology of Reproduction</i> , 2021, 104, 117-129.	2.7	7
10	Ligands and Receptors Involved in the Sperm-Zona Pellucida Interactions in Mammals. <i>Cells</i> , 2021, 10, 133.	4.1	24
11	COVID-19 and human reproduction: A pandemic that packs a serious punch. <i>Systems Biology in Reproductive Medicine</i> , 2021, 67, 3-23.	2.1	32
12	Progesterone induces porcine sperm release from oviduct glycans in a proteasome-dependent manner. <i>Reproduction</i> , 2021, 161, 449-457.	2.6	7
13	Core Histones Are Constituents of the Perinuclear Theca of Murid Spermatozoa: An Assessment of Their Synthesis and Assembly during Spermiogenesis and Function after Gametic Fusion. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8119.	4.1	8
14	Mammalian Cell-Free System Recapitulates the Early Events of Post-Fertilization Sperm Mitophagy. <i>Cells</i> , 2021, 10, 2450.	4.1	8
15	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182</i>	9.1	1,430
16	Cellular and Molecular Events after ICSI in Clinically Relevant Animal Models. , 2021, , 103-113.		0
17	An Exploration of Current and Perspective Semen Analysis and Sperm Selection for Livestock Artificial Insemination. <i>Animals</i> , 2021, 11, 3563.	2.3	13
18	The domestic pig as a model for the study of mitochondrial inheritance. <i>Cell and Tissue Research</i> , 2020, 380, 263-271.	2.9	17

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19	H3K4me2 accompanies chromatin immaturity in human spermatozoa: an epigenetic marker for sperm quality assessment. <i>Systems Biology in Reproductive Medicine</i> , 2020, 66, 3-11.	2.1	20
20	COP9 signalosome complex subunit 5, an IFT20 binding partner, is essential to maintain male germ cell survival and acrosome biogenesis. <i>Biology of Reproduction</i> , 2020, 102, 233-247.	2.7	10
21	Reciprocal surface expression of arylsulfatase A and ubiquitin in normal and defective mammalian spermatozoa. <i>Cell and Tissue Research</i> , 2020, 379, 561-576.	2.9	7
22	Sperm content of TXNDC8 reflects sperm chromatin structure, pregnancy establishment, and incidence of multiple births after ART. <i>Systems Biology in Reproductive Medicine</i> , 2020, 66, 311-321.	2.1	5
23	Relationship between the Length of Sperm Tail Mitochondrial Sheath and Fertility Traits in Boars Used for Artificial Insemination. <i>Antioxidants</i> , 2020, 9, 1033.	5.1	10
24	The Ubiquitin-Proteasome System Does Not Regulate the Degradation of Porcine β -Microseminoprotein during Sperm Capacitation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4151.	4.1	7
25	Sperm Cohort-Specific Zinc Signature Acquisition and Capacitation-Induced Zinc Flux Regulate Sperm-Oviduct and Sperm-Zona Pellucida Interactions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2121.	4.1	27
26	Porcine model for the study of sperm capacitation, fertilization and male fertility. <i>Cell and Tissue Research</i> , 2020, 380, 237-262.	2.9	35
27	Semen Parameters of Fertile Guinea Pigs (<i>Cavia porcellus</i>) Collected by Transrectal Electroejaculation. <i>Animals</i> , 2020, 10, 767.	2.3	4
28	The activation of the chymotrypsin-like activity of the proteasome is regulated by soluble adenylyl cyclase/cAMP/protein kinase A pathway and required for human sperm capacitation. <i>Molecular Human Reproduction</i> , 2019, 25, 587-600.	2.8	16
29	Pharmacologic treatment with CPI-613 and PS48 decreases mitochondrial membrane potential and increases quantity of autolysosomes in porcine fibroblasts. <i>Scientific Reports</i> , 2019, 9, 9417.	3.3	4
30	Compartmentalization of the proteasome-interacting proteins during sperm capacitation. <i>Scientific Reports</i> , 2019, 9, 12583.	3.3	23
31	Boar semen improvement through sperm capacitation management, with emphasis on zinc ion homeostasis. <i>Theriogenology</i> , 2019, 137, 50-55.	2.1	24
32	Sperm-borne glutathione-S-transferase omega 2 accelerates the nuclear decondensation of spermatozoa during fertilization in mice. <i>Biology of Reproduction</i> , 2019, 101, 368-376.	2.7	23
33	The perforatorium and postacrosomal sheath of rat spermatozoa share common developmental origins and protein constituents. <i>Biology of Reproduction</i> , 2019, 100, 1461-1472.	2.7	15
34	GSTO2 Isoforms Participate in the Oxidative Regulation of the Plasmalemma in Eutherian Spermatozoa during Capacitation. <i>Antioxidants</i> , 2019, 8, 601.	5.1	9
35	Ubiquitin-proteasome system participates in the de-aggregation of spermadhesins and DQH protein during boar sperm capacitation. <i>Reproduction</i> , 2019, 157, 283-295.	2.6	19
36	Review: Genomics of bull fertility. <i>Animal</i> , 2018, 12, s172-s183.	3.3	63

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37	Modifications of the 26S proteasome during boar sperm capacitation. <i>Cell and Tissue Research</i> , 2018, 372, 591-601.	2.9	24
38	Identification of genomic variants causing sperm abnormalities and reduced male fertility. <i>Animal Reproduction Science</i> , 2018, 194, 57-62.	1.5	32
39	Zinc: A Necessary Ion for Mammalian Sperm Fertilization Competency. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4097.	4.1	65
40	Ubiquitin A-52 residue ribosomal protein fusion product 1 (<i>Uba52</i>) is essential for preimplantation embryo development. <i>Biology Open</i> , 2018, 7, .	1.2	23
41	Zinc ion flux during mammalian sperm capacitation. <i>Nature Communications</i> , 2018, 9, 2061.	12.8	97
42	In Utero and Postnatal Exposure to High Fat, High Sucrose Diet Suppressed Testis Apoptosis and Reduced Sperm Count. <i>Scientific Reports</i> , 2018, 8, 7622.	3.3	20
43	Post-fertilisation sperm mitophagy: the tale of Mitochondrial Eve and Steve. <i>Reproduction, Fertility and Development</i> , 2018, 30, 56.	0.4	14
44	Pig Overview. , 2018, , 501-507.		2
45	WBP2 shares a common location in mouse spermatozoa with WBP2NL/PAWP and like its descendent is a candidate mouse oocyte activating factor. <i>Biology of Reproduction</i> , 2018, 99, 1171-1183.	2.7	18
46	Porcine Cell-Free System to Study Mammalian Sperm Mitophagy. <i>Methods in Molecular Biology</i> , 2018, 1854, 197-207.	0.9	6
47	Effect of intra-uterine growth restriction on long-term fertility in boars. <i>Reproduction, Fertility and Development</i> , 2017, 29, 374.	0.4	6
48	SIRT1-dependent modulation of methylation and acetylation of histone H3 on lysine 9 (H3K9) in the zygotic pronuclei improves porcine embryo development. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 83.	5.3	27
49	The developmental origin and compartmentalization of glutathione-s-transferase omega 2 isoforms in the perinuclear theca of eutherian spermatozoa. <i>Biology of Reproduction</i> , 2017, 97, 612-621.	2.7	21
50	Key Features of Genomic Imprinting during Mammalian Spermatogenesis: Perspectives for Human assisted Reproductive Therapy: A Review. <i>Anatomy & Physiology: Current Research</i> , 2016, 6, .	0.1	3
51	Regulation of Sperm Capacitation by the 26S Proteasome: An Emerging New Paradigm in Spermatology1. <i>Biology of Reproduction</i> , 2016, 94, 117.	2.7	47
52	Of Mitochondrial Eve and Steve. <i>Molecular Reproduction and Development</i> , 2016, 83, 5-5.	2.0	0
53	Autophagy and ubiquitin-proteasome system contribute to sperm mitophagy after mammalian fertilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5261-70.	7.1	127
54	The ART and science of sperm mitophagy. <i>Autophagy</i> , 2016, 12, 2510-2511.	9.1	14

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55	Cell Autonomous and Nonautonomous Function of CUL4B in Mouse Spermatogenesis. <i>Journal of Biological Chemistry</i> , 2016, 291, 6923-6935.	3.4	22
56	Reproductive systems biology tackles global issues of population growth, food safety and reproductive health. <i>Cell and Tissue Research</i> , 2016, 363, 1-5.	2.9	3
57	Improved Murine Blastocyst Quality and Development in a Single Culture Medium Compared to Sequential Culture Media. <i>Reproductive Sciences</i> , 2016, 23, 310-317.	2.5	6
58	New Approaches to Boar Semen Evaluation, Processing and Improvement. <i>Reproduction in Domestic Animals</i> , 2015, 50, 11-19.	1.4	33
59	Negative biomarker based male fertility evaluation: Sperm phenotypes associated with molecular-level anomalies. <i>Asian Journal of Andrology</i> , 2015, 17, 554.	1.6	49
60	Sperm Protamine-Status Correlates to the Fertility of Breeding Bulls ¹ . <i>Biology of Reproduction</i> , 2015, 92, 92.	2.7	77
61	Biomarker-Based Flow Cytometric Semen Analysis for Male Infertility Diagnostics and Clinical Decision Making in ART. , 2015, , 33-51.		2
62	Protein deubiquitination during oocyte maturation influences sperm function during fertilisation, antipolyspermy defense and embryo development. <i>Reproduction, Fertility and Development</i> , 2015, 27, 1154.	0.4	15
63	Antioxidant supplementation and purification of semen for improved artificial insemination in livestock species. <i>Turkish Journal of Veterinary and Animal Sciences</i> , 2014, 38, 643-652.	0.5	32
64	Regulation of Mitochondrial Genome Inheritance by Autophagy and Ubiquitin-Proteasome System: Implications for Health, Fitness, and Fertility. <i>BioMed Research International</i> , 2014, 2014, 1-16.	1.9	37
65	Identification and characterization of RING-finger ubiquitin ligase UBR7 in mammalian spermatozoa. <i>Cell and Tissue Research</i> , 2014, 356, 261-278.	2.9	20
66	Increased Conception Rates in Beef Cattle Inseminated with Nanopurified Bull Semen ¹ . <i>Biology of Reproduction</i> , 2014, 91, 97.	2.7	75
67	Protein expression pattern of PAWP in bull spermatozoa is associated with sperm quality and fertility following artificial insemination. <i>Molecular Reproduction and Development</i> , 2014, 81, 436-449.	2.0	57
68	Spermâ€derived WW domainâ€binding protein, PAWP, elicits calcium oscillations and oocyte activation in humans and mice. <i>FASEB Journal</i> , 2014, 28, 4434-4440.	0.5	105
69	Sperm content of postacrosomal WW binding protein is related to fertilization outcomes in patients undergoing assisted reproductive technology. <i>Fertility and Sterility</i> , 2014, 102, 440-447.	1.0	59
70	Deubiquitinating Enzymes in Oocyte Maturation, Fertilization and Preimplantation Embryo Development. <i>Advances in Experimental Medicine and Biology</i> , 2014, 759, 89-110.	1.6	10
71	Sperm Proteasome as a Putative Egg Coat Lysin in Mammals. , 2014, , 441-463.		2
72	Re: Is PAWP the â€realâ€ sperm factor?. <i>Asian Journal of Andrology</i> , 2014, 17, 446-9.	1.6	16

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73	Mitochondrial DNA content of mature spermatozoa and oocytes in the genetic model <i>Drosophila</i> . <i>Cell and Tissue Research</i> , 2013, 353, 195-200.	2.9	9
74	Biomarker-Based Nanotechnology for the Improvement of Reproductive Performance in Beef and Dairy Cattle. <i>Industrial Biotechnology</i> , 2013, 9, 24-30.	0.8	25
75	Paternal transmission of mitochondrial DNA as an integral part of mitochondrial inheritance in metapopulations of <i>Drosophila simulans</i> . <i>Heredity</i> , 2013, 110, 57-62.	2.6	63
76	Transgenic pig carrying green fluorescent proteasomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6334-6339.	7.1	41
77	Semen Levels of Spermatid-Specific Thioredoxin-3 Correlate with Pregnancy Rates in ART Couples. <i>PLoS ONE</i> , 2013, 8, e61000.	2.5	14
78	The Testicular and Epididymal Expression Profile of PLC ζ in Mouse and Human Does Not Support Its Role as a Sperm-Borne Oocyte Activating Factor. <i>PLoS ONE</i> , 2012, 7, e33496.	2.5	45
79	The real Pac-Man. <i>Molecular Reproduction and Development</i> , 2012, 79, 741-741.	2.0	0
80	Cell biology solves mysteries of reproduction. <i>Cell and Tissue Research</i> , 2012, 349, 631-633.	2.9	1
81	Ubiquitin-activating enzyme (UBA1) is required for sperm capacitation, acrosomal exocytosis and sperm-egg coat penetration during porcine fertilization. <i>Journal of Developmental and Physical Disabilities</i> , 2012, 35, 196-210.	3.6	37
82	Essential role of maternal UCHL1 and UCHL3 in fertilization and preimplantation embryo development. <i>Journal of Cellular Physiology</i> , 2012, 227, 1592-1603.	4.1	48
83	Essential role of ubiquitin C-terminal hydrolases UCHL1 and UCHL3 in mammalian oocyte maturation. <i>Journal of Cellular Physiology</i> , 2012, 227, 2022-2029.	4.1	44
84	Identification of the Inorganic Pyrophosphate Metabolizing, ATP Substituting Pathway in Mammalian Spermatozoa. <i>PLoS ONE</i> , 2012, 7, e34524.	2.5	29
85	Anti-Inflammatory Protein Neuregulin-1B (NRG1 β) Is Identified in Ovarian Follicular Fluid and Microvesicles of Human and Porcine: A Possible Autocrine-Paracrine Function During Ovulation.. <i>Biology of Reproduction</i> , 2012, 87, 579-579.	2.7	0
86	Sperm GIRK2-Containing K ⁺ Inward Rectifying Channels Participate in Sperm Capacitation and Fertilization. <i>Systems Biology in Reproductive Medicine</i> , 2011, 57, 296-308.	2.1	3
87	Adaptation of ubiquitin-PNA based sperm quality assay for semen evaluation by a conventional flow cytometer and a dedicated platform for flow cytometric semen analysis. <i>Theriogenology</i> , 2011, 76, 1168-1176.	2.1	27
88	Sperm proteasome and fertilization. <i>Reproduction</i> , 2011, 142, 1-14.	2.6	112
89	Sperm chromatin structure correlates with spontaneous abortion and multiple pregnancy rates in assisted reproduction. <i>Reproductive BioMedicine Online</i> , 2011, 22, 272-276.	2.4	45
90	Sperm Proteasomes Degrade Sperm Receptor on the Egg Zona Pellucida during Mammalian Fertilization. <i>PLoS ONE</i> , 2011, 6, e17256.	2.5	71

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91	Spermatozoa: the good, the bad and the ugly. <i>Molecular Reproduction and Development</i> , 2011, 78, 67-67.	2.0	2
92	Gamete Binding and Fusion. , 2011, , 185-201.		0
93	Activation method does not alter abnormal placental gene expression and development in cloned pigs. <i>Molecular Reproduction and Development</i> , 2010, 77, 1016-1030.	2.0	20
94	Altered epididymal sperm maturation and cytoplasmic droplet migration in subfertile male Alox15 mice. <i>Cell and Tissue Research</i> , 2010, 340, 569-581.	2.9	21
95	Interference with the 19S proteasomal regulatory complex subunit PSMD4 on the sperm surface inhibits sperm-zona pellucida penetration during porcine fertilization. <i>Cell and Tissue Research</i> , 2010, 341, 325-340.	2.9	32
96	Inhibition of 19S proteasomal regulatory complex subunit PSMD8 increases polyspermy during porcine fertilization in vitro. <i>Journal of Reproductive Immunology</i> , 2010, 84, 154-163.	1.9	24
97	Discovery of putative oocyte quality markers by comparative ExacTag proteomics. <i>Proteomics - Clinical Applications</i> , 2010, 4, 337-351.	1.6	22
98	Carbohydrate-Mediated Binding and Induction of Acrosomal Exocytosis in a Boar Sperm-Somatic Cell Adhesion Model1. <i>Biology of Reproduction</i> , 2010, 83, 623-634.	2.7	4
99	Role of Ubiquitin C-Terminal Hydrolase-L1 in Antipolyspermy Defense of Mammalian Oocytes1. <i>Biology of Reproduction</i> , 2010, 82, 1151-1161.	2.7	34
100	Neutralizing TIMP1 Restores Fecundity in a Rat Model of Endometriosis and Treating Control Rats with TIMP1 Causes Anomalies in Ovarian Function and Embryo Development1. <i>Biology of Reproduction</i> , 2010, 83, 185-194.	2.7	35
101	Sperm Capacitation, the Acrosome Reaction, and Fertilization. , 2010, , 389-421.		2
102	Establishing New Paradigms while Reexamining the Old Ones. <i>Systems Biology in Reproductive Medicine</i> , 2010, 56, 331-333.	2.1	0
103	Porcine Skin-Derived Stem Cells Can Serve as Donor Cells for Nuclear Transfer. <i>Cloning and Stem Cells</i> , 2009, 11, 101-109.	2.6	27
104	Sperm-egg adhesion and fusion in mammals. <i>Expert Reviews in Molecular Medicine</i> , 2009, 11, e11.	3.9	52
105	Reduced Fecundity in Female Rats with Surgically Induced Endometriosis and in Their Daughters: A Potential Role for Tissue Inhibitors of Metalloproteinase 11. <i>Biology of Reproduction</i> , 2009, 80, 649-656.	2.7	50
106	Biogenesis of sperm perinuclear theca and its role in sperm functional competence and fertilization. <i>Journal of Reproductive Immunology</i> , 2009, 83, 2-7.	1.9	81
107	The sperm proteasome during sperm capacitation and fertilization. <i>Journal of Reproductive Immunology</i> , 2009, 83, 19-25.	1.9	57
108	Method of oocyte activation affects cloning efficiency in pigs. <i>Molecular Reproduction and Development</i> , 2009, 76, 490-500.	2.0	65

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109	High Throughput, Parallel Imaging and Biomarker Quantification of Human Spermatozoa by ImageStream Flow Cytometry. <i>Systems Biology in Reproductive Medicine</i> , 2009, 55, 244-251.	2.1	29
110	Sperm-Surface ATP in Boar Spermatozoa is Required for Fertilization: Relevance to Sperm Proteasomal Function. <i>Systems Biology in Reproductive Medicine</i> , 2009, 55, 85-96.	2.1	17
111	Biogenesis of the sperm head perinuclear theca during human spermiogenesis. <i>Fertility and Sterility</i> , 2009, 92, 1472-1473.	1.0	9
112	Transgenic rescue of ataxia mice reveals a male-specific sterility defect. <i>Developmental Biology</i> , 2009, 325, 33-42.	2.0	37
113	Peroxiredoxin 2 and Peroxidase Enzymatic Activity of Mammalian Spermatozoa1. <i>Biology of Reproduction</i> , 2009, 80, 1168-1177.	2.7	41
114	Mechanism of extracellular ubiquitination in the mammalian epididymis. <i>Journal of Cellular Physiology</i> , 2008, 215, 684-696.	4.1	71
115	Expression of mitochondrial transcription factor A (TFAM) during porcine gametogenesis and preimplantation embryo development. <i>Journal of Cellular Physiology</i> , 2008, 217, 529-543.	4.1	33
116	The role of sperm proteasomes during sperm aster formation and early zygote development: implications for fertilization failure in humans. <i>Human Reproduction</i> , 2008, 23, 573-580.	0.9	72
117	Role of proteasomal activity in the induction of acrosomal exocytosis in human spermatozoa. <i>Reproductive BioMedicine Online</i> , 2008, 16, 391-400.	2.4	29
118	Proteolytic Activity of the 26S Proteasome Is Required for the Meiotic Resumption, Germinal Vesicle Breakdown, and Cumulus Expansion of Porcine Cumulus-Oocyte Complexes Matured In Vitro1. <i>Biology of Reproduction</i> , 2008, 78, 115-126.	2.7	30
119	Role of glucose in cloned mouse embryo development. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 295, E798-E809.	3.5	16
120	Identification of 19S Proteasomal Regulatory Complex Subunits Involved in Sperm-Zona Pellucida Interactions During Porcine Fertilization.. <i>Biology of Reproduction</i> , 2008, 78, 69-69.	2.7	0
121	PAWP, a Sperm-specific WW Domain-binding Protein, Promotes Meiotic Resumption and Pronuclear Development during Fertilization. <i>Journal of Biological Chemistry</i> , 2007, 282, 12164-12175.	3.4	155
122	Differential Expression of Genes Encoding Constitutive and Inducible 20S Proteasomal Core Subunits in the Testis and Epididymis of Theophylline- or 1,3-Dinitrobenzene-Exposed Rats1. <i>Biology of Reproduction</i> , 2007, 76, 149-163.	2.7	28
123	Expression of Bisecting Type and Lewisx/Lewisy Terminated N-Glycans on Human Sperm. <i>Journal of Biological Chemistry</i> , 2007, 282, 36593-36602.	3.4	65
124	Ubiquitin C-Terminal Hydrolase-Activity Is Involved in Sperm Acrosomal Function and Anti-Polyspermy Defense During Porcine Fertilization1. <i>Biology of Reproduction</i> , 2007, 77, 780-793.	2.7	84
125	The postacrosomal assembly of sperm head protein, PAWP, is independent of acrosome formation and dependent on microtubular manchette transport. <i>Developmental Biology</i> , 2007, 312, 471-483.	2.0	64
126	Arachidonate 15-lipoxygenase and ubiquitin as fertility markers in boars. <i>Theriogenology</i> , 2007, 67, 704-718.	2.1	32

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127	Improved fertilization and embryo development resulting in birth of live piglets after intracytoplasmic sperm injection and in vitro culture in a cysteine-supplemented medium. <i>Theriogenology</i> , 2007, 67, 835-847.	2.1	27
128	Mechanism of sperm-zona pellucida penetration during mammalian fertilization: 26S proteasome as a candidate egg coat lysin. <i>Society of Reproduction and Fertility Supplement</i> , 2007, 63, 385-408.	0.2	18
129	Relative Levels of Semen Platelet Activating Factor-Receptor (PAFr) and Ubiquitin in Yearling Bulls With High Content of Semen White Blood Cells: Implications for Breeding Soundness Evaluation. <i>Journal of Andrology</i> , 2006, 28, 92-108.	2.0	13
130	The extracellular protein coat of the inner acrosomal membrane is involved in zona pellucida binding and penetration during fertilization: Characterization of its most prominent polypeptide (IAM38). <i>Developmental Biology</i> , 2006, 290, 32-43.	2.0	74
131	Mitochondrial distribution and microtubule organization in fertilized and cloned porcine embryos: Implications for developmental potential. <i>Developmental Biology</i> , 2006, 299, 206-220.	2.0	67
132	Mammalian spermatogenesis and sperm structure: anatomical and compartmental analysis. , 2006, , 1-30.		12
133	Developmental competence of porcine parthenogenetic embryos relative to embryonic chromosomal abnormalities. <i>Molecular Reproduction and Development</i> , 2006, 73, 77-82.	2.0	28
134	Expression and proteasomal degradation of the major vault protein (MVP) in mammalian oocytes and zygotes. <i>Reproduction</i> , 2005, 129, 269-282.	2.6	30
135	Increased disruption of sperm plasma membrane at sperm immobilization promotes dissociation of perinuclear theca from sperm chromatin after intracytoplasmic sperm injection in pigs. <i>Reproduction</i> , 2005, 130, 907-916.	2.6	29
136	Clinical adaptation of the sperm ubiquitin tag immunoassay (SUTI): relationship of sperm ubiquitylation with sperm quality in gradient-purified semen samples from 93 men from a general infertility clinic population. <i>Human Reproduction</i> , 2005, 20, 2271-2278.	0.9	31
137	Centrosome Reduction During Gametogenesis and Its Significance ¹ . <i>Biology of Reproduction</i> , 2005, 72, 2-13.	2.7	283
138	Visualization of Sperm Accessory Structures in the Mammalian Spermatids, Spermatozoa, and Zygotes by Immunofluorescence, Confocal, and Immunoelectron Microscopy. , 2004, 253, 059-078.		31
139	Proteasomal Interference Prevents Zona Pellucida Penetration and Fertilization in Mammals ¹ . <i>Biology of Reproduction</i> , 2004, 71, 1625-1637.	2.7	119
140	Spermatocyte/Spermatid-specific Thioredoxin-3, a Novel Golgi Apparatus-associated Thioredoxin, Is a Specific Marker of Aberrant Spermatogenesis. <i>Journal of Biological Chemistry</i> , 2004, 279, 34971-34982.	3.4	63
141	Regulation of Prohibitin Expression During Follicular Development and Atresia in the Mammalian Ovary ¹ . <i>Biology of Reproduction</i> , 2004, 71, 282-290.	2.7	43
142	Novel Aspect of Perinuclear Theca Assembly Revealed by Immunolocalization of Non-Nuclear Somatic Histones During Bovine Spermiogenesis ¹ . <i>Biology of Reproduction</i> , 2004, 71, 1182-1194.	2.7	43
143	The Mammalian Testis-Specific Thioredoxin System. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 25-40.	5.4	81
144	Nuclear remodeling after SCNT: a contractor's nightmare. <i>Trends in Biotechnology</i> , 2004, 22, 205-208.	9.3	22

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145	Degradation of paternal mitochondria after fertilization: implications for heteroplasmy, assisted reproductive technologies and mtDNA inheritance. <i>Reproductive BioMedicine Online</i> , 2004, 8, 24-33.	2.4	92
146	Increased levels of sperm ubiquitin correlate with semen quality in men from an andrology laboratory clinic population. <i>Human Reproduction</i> , 2004, 19, 628-638.	0.9	59
147	Nuclear Remodeling and Reprogramming in Transgenic Pig Production. <i>Experimental Biology and Medicine</i> , 2004, 229, 1120-1126.	2.4	31
148	Ubiquitin-dependent proteolysis in mammalian spermatogenesis, fertilization, and sperm quality control: Killing three birds with one stone. <i>Microscopy Research and Technique</i> , 2003, 61, 88-102.	2.2	248
149	Interactions of sperm perinuclear theca with the oocyte: Implications for oocyte activation, anti-polyspermy defense, and assisted reproduction. <i>Microscopy Research and Technique</i> , 2003, 61, 362-378.	2.2	141
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