Brett Nixon

List of Publications by Year in Descending Order

171 papers	5,982 citations	44 h-index	71 g-index
178 ext. papers	7,207 ext. citations	4.8 avg, IF	6.05 L-index

#	Paper	IF	Citations
171	Elucidation of the protein composition of mouse seminal vesicle fluid.. *Proteomics*, **2022**, e2100227	4.8	0
170	High Resolution Proteomic Analysis of Subcellular Fractionated Boar Spermatozoa Provides Comprehensive Insights Into Perinuclear Theca-Residing Proteins.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 836208	5.7	1
169	A scRNA-seq Approach to Identifying Changes in Spermatogonial Stem Cell Gene Expression Following Culture.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 782996	5.7	0
168	Quantitative proteomic dataset of mouse caput epididymal epithelial cells exposed to acrylamide .. *Data in Brief*, **2022**, 42, 108032	1.2	
167	DIPG-07. Preclinical and case study results underpinning the phase II clinical trial testing the combination of ONC201 and paxalisib for the treatment of patients with diffuse midline glioma (NCT05009992). *Neuro-Oncology*, **2022**, 24, i18-i19	1	
166	Biocompatible Nanomaterials as an Emerging Technology in Reproductive Health; a Focus on the Male. *Frontiers in Physiology*, **2021**, 12, 753686	4.6	1
165	Dynamic Landscape of Extracellular Vesicle-Associated Proteins Is Related to Treatment Response of Patients with Metastatic Breast Cancer. *Membranes*, **2021**, 11,	3.8	1
164	Preclinical and clinical evaluation of German-sourced ONC201 for the treatment of H3K27M-mutant diffuse intrinsic pontine glioma.. *Neuro-Oncology Advances*, **2021**, 3, vdab169	0.9	2
163	Acrylamide modulates the mouse epididymal proteome to drive alterations in the sperm small non-coding RNA profile and dysregulate embryo development. *Cell Reports*, **2021**, 37, 109787	10.6	3
162	Reactive Oxygen Species in Acute Lymphoblastic Leukaemia: Reducing Radicals to Refine Responses. *Antioxidants*, **2021**, 10,	7.1	2
161	Transcriptomic analysis of the seminal vesicle response to the reproductive toxicant acrylamide. *BMC Genomics*, **2021**, 22, 728	4.5	1
160	Capacitation and Acrosome Reaction: Histochemical Techniques to Determine Acrosome Reaction **2021**, 81-92		0
159	Proteostasis in the Male and Female Germline: A New Outlook on the Maintenance of Reproductive Health. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 660626	5.7	2
158	Evidence that extrapancreatic insulin production is involved in the mediation of sperm survival. *Molecular and Cellular Endocrinology*, **2021**, 526, 111193	4.4	3
157	A novel role for milk fat globule-EGF factor 8 protein (MFGE8) in the mediation of mouse sperm-extracellular vesicle interactions. *Proteomics*, **2021**, 21, e2000079	4.8	3
156	A regulatory role for CHD4 in maintenance of the spermatogonial stem cell pool. *Stem Cell Reports*, **2021**, 16, 1555-1567	8	2
155	The Impact of Aging on Macroautophagy in the Pre-ovulatory Mouse Oocyte. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 691826	5.7	2

154	Time-resolved proteomic profiling of cigarette smoke-induced experimental chronic obstructive pulmonary disease. *Respirology*, **2021**, 26, 960-973	3.6	7
153	Quantitative phosphoproteomics uncovers synergy between DNA-PK and FLT3 inhibitors in acute myeloid leukaemia. *Leukemia*, **2021**, 35, 1782-1787	10.7	9
152	Roles of male reproductive tract extracellular vesicles in reproduction. *American Journal of Reproductive Immunology*, **2021**, 85, e13338	3.8	7
151	Post-testicular sperm maturation in the saltwater crocodile Crocodylus porosus: assessing the temporal acquisition of sperm motility. *Reproduction, Fertility and Development*, **2021**,	1.8	1
150	Proteomic Dissection of the Impact of Environmental Exposures on Mouse Seminal Vesicle Function. *Molecular and Cellular Proteomics*, **2021**, 20, 100107	7.6	7
149	Gross and microanatomy of the male reproductive duct system of the saltwater crocodile Crocodylus porosus. *Reproduction, Fertility and Development*, **2021**,	1.8	2
148	Assisted breeding technology in the saltwater crocodile Crocodylus porosus: a review and look to the future. *Reproduction, Fertility and Development*, **2021**,	1.8	1
147	Proteomic analysis of koala (phascolarctos cinereus) spermatozoa and prostatic bodies. *Proteomics*, **2021**, 21, e2100067	4.8	1
146	Assessment of the Emerging Threat Posed by Perfluoroalkyl and Polyfluoroalkyl Substances to Male Reproduction in Humans.. *Frontiers in Endocrinology*, **2021**, 12, 799043	5.7	0
145	New Horizons in Male Subfertility and Infertility **2020**, 15-27		1
144	A model protocol for the cryopreservation and recovery of motile lizard sperm using the phosphodiesterase inhibitor caffeine **2020**, 8, coaa044		6
143	Molecular Changes Induced by Oxidative Stress that Impair Human Sperm Motility. *Antioxidants*, **2020**, 9,	7.1	44
142	Metabolic Changes Accompanying Spermatogonial Stem Cell Differentiation. *Developmental Cell*, **2020**, 52, 399-411	10.2	22
141	Dynamin 2-dependent endocytosis is essential for mouse oocyte development and fertility. *FASEB Journal*, **2020**, 34, 5162-5177	0.9	1
140	Male Infertility: Shining a Light on Lipids and Lipid-Modulating Enzymes in the Male Germline. *Journal of Clinical Medicine*, **2020**, 9,	5.1	13
139	Induction and Detection of Acrosomal Exocytosis in Human Spermatozoa. *Bio-protocol*, **2020**, 10, e3689	0.9	2
138	Knockout of glutathione peroxidase 5 down-regulates the piRNAs in the caput epididymidis of aged mice. *Asian Journal of Andrology*, **2020**, 22, 590-601	2.8	3
137	Mechanistic Insight into the Regulation of Lipoxygenase-Driven Lipid Peroxidation Events in Human Spermatozoa and Their Impact on Male Fertility. *Antioxidants*, **2020**, 10,	7.1	1

136	Autophagy in Female Fertility: A Role in Oxidative Stress and Aging. *Antioxidants and Redox Signaling*, **2020**, 32, 550-568	8.4	35
135	Oxidative Stress Dysregulates Protein Homeostasis Within the Male Germ Line. *Antioxidants and Redox Signaling*, **2020**, 32, 487-503	8.4	5
134	The Sins of Our Forefathers: Paternal Impacts on De Novo Mutation Rate and Development. *Annual Review of Genetics*, **2020**, 54, 1-24	14.5	13
133	The abundance of a transfer RNA-derived RNA fragment small RNA subpopulation is enriched in cauda spermatozoa. *ExRNA*, **2020**, 2,	4.2	1
132	Molecular insights into the divergence and diversity of post-testicular maturation strategies. *Molecular and Cellular Endocrinology*, **2020**, 517, 110955	4.4	8
131	Limitations to intergenerational inheritance: subchronic paternal stress preconception does not influence offspring anxiety. *Scientific Reports*, **2020**, 10, 16050	4.9	6
130	A novel approach to nonsurgical sterilization; application of menadione-modified gonocyte-targeting M13 bacteriophage for germ cell ablation in utero. *Pharmacology Research and Perspectives*, **2020**, 8, e00654	3.1	1
129	Platelet activating factor receptor acts to limit colitis-induced liver inflammation. *FASEB Journal*, **2020**, 34, 7718-7732	0.9	4
128	Shwachman-Bodian-Diamond syndrome (SBDS) protein is a direct inhibitor of protein phosphatase 2A (PP2A) activity and overexpressed in acute myeloid leukaemia. *Leukemia*, **2020**, 34, 3393-3397	10.7	5
127	Investigation into the presence and functional significance of proinsulin C-peptide in the female germline *Biology of Reproduction*, **2019**, 100, 1275-1289	3.9	4
126	Mechanisms of tethering and cargo transfer during epididymosome-sperm interactions. *BMC Biology*, **2019**, 17, 35	7.3	37
125	Profiling of epididymal small non-protein-coding RNAs. *Andrology*, **2019**, 7, 669-680	4.2	17
124	Differential cell death decisions in the testis: evidence for an exclusive window of ferroptosis in round spermatids. *Molecular Human Reproduction*, **2019**, 25, 241-256	4.4	12
123	Modification of Crocodile Spermatozoa Refutes the Tenet That Post-testicular Sperm Maturation Is Restricted To Mammals. *Molecular and Cellular Proteomics*, **2019**, 18, S58-S76	7.6	15
122	Transgenerational inheritance: how impacts to the epigenetic and genetic information of parents affect offspring health. *Human Reproduction Update*, **2019**, 25, 518-540	15.8	61
121	Signal Transduction in Diffuse Intrinsic Pontine Glioma. *Proteomics*, **2019**, 19, e1800479	4.8	19
120	Paternal impacts on development: identification of genomic regions vulnerable to oxidative DNA damage in human spermatozoa. *Human Reproduction*, **2019**, 34, 1876-1890	5.7	22
119	GLIPR1L1 is an IZUMO-binding protein required for optimal fertilization in the mouse. *BMC Biology*, **2019**, 17, 86	7.3	9

118	The contribution of epididymosomes to the sperm small RNA profile. *Reproduction*, **2019**, 157, R209-R223	3.8	47
117	The small non-coding RNA profile of mouse oocytes is modified during aging. *Aging*, **2019**, 11, 2968-2997	5.6	7
116	A Kinase Anchor Protein 4 Is Vulnerable to Oxidative Adduction in Male Germ Cells. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 319	5.7	18
115	Whole-body exposures to radiofrequency-electromagnetic energy can cause DNA damage in mouse spermatozoa via an oxidative mechanism. *Scientific Reports*, **2019**, 9, 17478	4.9	11
114	Proteomic Profiling of Mouse Epididymosomes Reveals their Contributions to Post-testicular Sperm Maturation. *Molecular and Cellular Proteomics*, **2019**, 18, S91-S108	7.6	66
113	DNA damage and repair in the female germline: contributions to ART. *Human Reproduction Update*, **2019**, 25, 180-201	15.8	28
112	Heat exposure induces oxidative stress and DNA damage in the male germ line. *Biology of Reproduction*, **2018**, 98, 593-606	3.9	61
111	Pharmacological inhibition of arachidonate 15-lipoxygenase protects human spermatozoa against oxidative stress. *Biology of Reproduction*, **2018**, 98, 784-794	3.9	17
110	Sperm Capacitation **2018**, 272-278		1
109	Characteristics of the Epididymal Luminal Environment Responsible for Sperm Maturation and Storage. *Frontiers in Endocrinology*, **2018**, 9, 59	5.7	86
108	Analysis of Epididymal Protein Synthesis and Secretion. *Journal of Visualized Experiments*, **2018**,	1.6	7
107	Improved methods of DNA extraction from human spermatozoa that mitigate experimentally-induced oxidative DNA damage. *PLoS ONE*, **2018**, 13, e0195003	3.7	3
106	Reproduction in Monotremes **2018**, 602-608		
105	Oxidative damage in naturally aged mouse oocytes is exacerbated by dysregulation of proteasomal activity. *Journal of Biological Chemistry*, **2018**, 293, 18944-18964	5.4	20
104	Oxidative Stress in the Male Germline: A Review of Novel Strategies to Reduce 4-Hydroxynonenal Production. *Antioxidants*, **2018**, 7,	7.1	19
103	Probing the Origins of 1,800 MHz Radio Frequency Electromagnetic Radiation Induced Damage in Mouse Immortalized Germ Cells and Spermatozoa. *Frontiers in Public Health*, **2018**, 6, 270	6	22
102	Double Strand Break DNA Repair occurs via Non-Homologous End-Joining in Mouse MII Oocytes. *Scientific Reports*, **2018**, 8, 9685	4.9	11
101	Mouse quiescin sulfhydryl oxidases exhibit distinct epididymal luminal distribution with segment-specific sperm surface associations. *Biology of Reproduction*, **2018**, 99, 1022-1033	3.9	10

100	Inhibition of arachidonate 15-lipoxygenase prevents 4-hydroxynonenal-induced protein damage in male germ cells. *Biology of Reproduction*, **2017**, 96, 598-609	3.9	18
99	Epididymal CYP2E1 plays a critical role in acrylamide-induced DNA damage in spermatozoa and paternally mediated embryonic resorptions *Biology of Reproduction*, **2017**, 96, 921-935	3.9	9
98	Heat Shock Protein A2 (HSPA2): Regulatory Roles in Germ Cell Development and Sperm Function. *Advances in Anatomy, Embryology and Cell Biology*, **2017**, 222, 67-93	1.2	27
97	Cryopreservation of saltwater crocodile (Crocodylus porosus) spermatozoa. *Reproduction, Fertility and Development*, **2017**, 29, 2235-2244	1.8	8
96	Non-surgical sterilisation methods may offer a sustainable solution to feral horse (Equus caballus) overpopulation. *Reproduction, Fertility and Development*, **2017**, 29, 1655-1666	1.8	6
95	Electrophilic aldehyde products of lipid peroxidation selectively adduct to heat shock protein 90 and arylsulfatase A in stallion spermatozoa. *Biology of Reproduction*, **2017**, 96, 107-121	3.9	16
94	Developmental expression of the dynamin family of mechanoenzymes in the mouse epididymis. *Biology of Reproduction*, **2017**, 96, 159-173	3.9	9
93	Analysis of the small non-protein-coding RNA profile of mouse spermatozoa reveals specific enrichment of piRNAs within mature spermatozoa. *RNA Biology*, **2017**, 14, 1776-1790	4.8	40
92	The lipid peroxidation product 4-hydroxynonenal contributes to oxidative stress-mediated deterioration of the ageing oocyte. *Scientific Reports*, **2017**, 7, 6247	4.9	54
91	Characterization of a novel role for the dynamin mechanoenzymes in the regulation of human sperm acrosomal exocytosis. *Molecular Human Reproduction*, **2017**, 23, 657-673	4.4	12
90	Proteomic Analysis of Human Spermatozoa **2017**, 3-22		2
89	Biochemical alterations in the oocyte in support of early embryonic development. *Cellular and Molecular Life Sciences*, **2017**, 74, 469-485	10.3	11
88	Molecular Mechanisms Responsible for Increased Vulnerability of the Ageing Oocyte to Oxidative Damage. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 4015874	6.7	40
87	Proteolytic degradation of heat shock protein A2 occurs in response to oxidative stress in male germ cells of the mouse. *Molecular Human Reproduction*, **2017**, 23, 91-105	4.4	23
86	Analysis of the effects of polyphenols on human spermatozoa reveals unexpected impacts on mitochondrial membrane potential, oxidative stress and DNA integrity; implications for assisted reproductive technology. *Biochemical Pharmacology*, **2016**, 121, 78-96	6	27
85	Formation and Dissociation of Sperm Bundles in Monotremes. *Biology of Reproduction*, **2016**, 95, 91	3.9	17
84	Dynamin 2 is essential for mammalian spermatogenesis. *Scientific Reports*, **2016**, 6, 35084	4.9	9
83	Characterisation of mouse epididymosomes reveals a complex profile of microRNAs and a potential mechanism for modification of the sperm epigenome. *Scientific Reports*, **2016**, 6, 31794	4.9	121

82	Non-coding RNA in Spermatogenesis and Epididymal Maturation. *Advances in Experimental Medicine and Biology*, **2016**, 886, 95-120	3.6	15
81	Heat Shock Protein member A2 forms a stable complex with angiotensin converting enzyme and protein disulfide isomerase A6 in human spermatozoa. *Molecular Human Reproduction*, **2016**, 22, 93-109	4.4	31
80	Identification of a key role for permeability glycoprotein in enhancing the cellular defense mechanisms of fertilized oocytes. *Developmental Biology*, **2016**, 417, 63-76	3.1	11
79	Chronic acrylamide exposure in male mice induces DNA damage to spermatozoa; Potential for amelioration by resveratrol. *Reproductive Toxicology*, **2016**, 63, 1-12	3.4	26
78	A novel germ cell protein, SPIF (sperm PKA interacting factor), is essential for the formation of a PKA/TCP11 complex that undergoes conformational and phosphorylation changes upon capacitation. *FASEB Journal*, **2016**, 30, 2777-91	0.9	7
77	The Australian saltwater crocodile (Crocodylus porosus) provides evidence that the capacitation of spermatozoa may extend beyond the mammalian lineage. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	11
76	Chronic Acrylamide Exposure in Male Mice Results in Elevated DNA Damage in the Germline and Heritable Induction of CYP2E1 in the Testes. *Biology of Reproduction*, **2016**, 95, 86	3.9	18
75	The effects of radiofrequency electromagnetic radiation on sperm function. *Reproduction*, **2016**, 152, R263-R276	3.8	43
74	Data on the concentrations of etoposide, PSC833, BAPTA-AM, and cycloheximide that do not compromise the vitality of mature mouse oocytes, parthenogencially activated and fertilized embryos. *Data in Brief*, **2016**, 8, 1215-20	1.2	4
73	Novel characterization of the HSPA2-stabilizing protein BAG6 in human spermatozoa. *Molecular Human Reproduction*, **2015**, 21, 755-69	4.4	31
72	Glycogen synthase kinase 3 regulates acrosomal exocytosis in mouse spermatozoa via dynamin phosphorylation. *FASEB Journal*, **2015**, 29, 2872-82	0.9	16
71	Assessment of microRNA expression in mouse epididymal epithelial cells and spermatozoa by next generation sequencing. *Genomics Data*, **2015**, 6, 208-11		17
70	The microRNA signature of mouse spermatozoa is substantially modified during epididymal maturation. *Biology of Reproduction*, **2015**, 93, 91	3.9	118
69	The impact of oxidative stress on chaperone-mediated human sperm-egg interaction. *Human Reproduction*, **2015**, 30, 2597-613	5.7	68
68	Next Generation Sequencing Analysis Reveals Segmental Patterns of microRNA Expression in Mouse Epididymal Epithelial Cells. *PLoS ONE*, **2015**, 10, e0135605	3.7	36
67	The role of the molecular chaperone heat shock protein A2 (HSPA2) in regulating human sperm-egg recognition. *Asian Journal of Andrology*, **2015**, 17, 568-73	2.8	45
66	Are sperm capacitation and apoptosis the opposite ends of a continuum driven by oxidative stress?. *Asian Journal of Andrology*, **2015**, 17, 633-9	2.8	102
65	Capacitation in the presence of methyl-β-cyclodextrin results in enhanced zona pellucida-binding ability of stallion spermatozoa. *Reproduction*, **2014**, 147, 153-66	3.8	37

64	Mouse spermatocytes express CYP2E1 and respond to acrylamide exposure. *PLoS ONE*, **2014**, 9, e94904	3.7	20
63	Post-testicular sperm maturation and identification of an epididymal protein in the Japanese quail (Coturnix coturnix japonica). *Reproduction*, **2014**, 147, 265-77	3.8	24
62	Sperm capacitation: a distant landscape glimpsed but unexplored. *Molecular Human Reproduction*, **2013**, 19, 785-93	4.4	137
61	Investigation of the mechanisms by which the molecular chaperone HSPA2 regulates the expression of sperm surface receptors involved in human sperm-oocyte recognition. *Molecular Human Reproduction*, **2013**, 19, 120-35	4.4	62
60	The function of chaperone proteins in the assemblage of protein complexes involved in gamete adhesion and fusion processes. *Reproduction*, **2013**, 145, R31-42	3.8	34
59	Melatonin prevents postovulatory oocyte aging in the mouse and extends the window for optimal fertilization in vitro. *Biology of Reproduction*, **2013**, 88, 67	3.9	98
58	The chemokine CXCL12 and its receptor CXCR4 are implicated in human seminoma metastasis. *Andrology*, **2013**, 1, 517-29	4.2	29
57	The rise of testicular germ cell tumours: the search for causes, risk factors and novel therapeutic targets. *F1000Research*, **2013**, 2, 55	3.6	14
56	Investigation of the expression and functional significance of the novel mouse sperm protein, a disintegrin and metalloprotease with thrombospondin type 1 motifs number 10 (ADAMTS10). *Journal of Developmental and Physical Disabilities*, **2012**, 35, 572-89		22
55	Jumping the gun: smoking constituent BaP causes premature primordial follicle activation and impairs oocyte fusibility through oxidative stress. *Toxicology and Applied Pharmacology*, **2012**, 260, 70-80	4.6	70
54	Suppressor of cytokine signaling 4 (SOCS4): moderator of ovarian primordial follicle activation. *Journal of Cellular Physiology*, **2012**, 227, 1188-98	7	29
53	Dynamin regulates specific membrane fusion events necessary for acrosomal exocytosis in mouse spermatozoa. *Journal of Biological Chemistry*, **2012**, 287, 37659-72	5.4	39
52	Proteomic insights into the maturation and capacitation of mammalian spermatozoa. *Systems Biology in Reproductive Medicine*, **2012**, 58, 211-7	2.9	74
51	Staying alive: PI3K pathway promotes primordial follicle activation and survival in response to 3MC-induced ovotoxicity. *Toxicological Sciences*, **2012**, 128, 258-71	4.4	50
50	The molecular chaperone HSPA2 plays a key role in regulating the expression of sperm surface receptors that mediate sperm-egg recognition. *PLoS ONE*, **2012**, 7, e50851	3.7	99
49	Chronic exposure to acrylamide induces DNA damage in male germ cells of mice. *Toxicological Sciences*, **2012**, 129, 135-45	4.4	37
48	The role of molecular chaperones in spermatogenesis and the post-testicular maturation of mammalian spermatozoa. *Human Reproduction Update*, **2012**, 18, 420-35	15.8	86
47	miRNA and mammalian male germ cells. *Human Reproduction Update*, **2012**, 18, 44-59	15.8	108

46	A unique combination of male germ cell miRNAs coordinates gonocyte differentiation. *PLoS ONE*, **2012**, 7, e35553	3.7	59
45	Monotremes provide a key to understanding the evolutionary significance of epididymal sperm maturation. *Journal of Andrology*, **2011**, 32, 665-71		11
44	Involvement of multimeric protein complexes in mediating the capacitation-dependent binding of human spermatozoa to homologous zonae pellucidae. *Developmental Biology*, **2011**, 356, 460-74	3.1	79
43	Cellular mechanisms regulating sperm-zona pellucida interaction. *Asian Journal of Andrology*, **2011**, 13, 88-96	2.8	51
42	The electrophoretic separation of spermatozoa: an analysis of genotype, surface carbohydrate composition and potential for capacitation. *Journal of Developmental and Physical Disabilities*, **2011**, 34, e422-34		24
41	The chaperonin containing TCP1 complex (CCT/TRiC) is involved in mediating sperm-oocyte interaction. *Journal of Biological Chemistry*, **2011**, 286, 36875-87	5.4	85
40	Proteomic and functional analysis of human sperm detergent resistant membranes. *Journal of Cellular Physiology*, **2011**, 226, 2651-65	7	71
39	Understanding the Villain: DMBA-induced preantral ovotoxicity involves selective follicular destruction and primordial follicle activation through PI3K/Akt and mTOR signaling. *Toxicological Sciences*, **2011**, 123, 563-75	4.4	46
38	The CCT/TRiC Complex Is Involved in Mediating Sperm-Oocyte Interaction.. *Biology of Reproduction*, **2011**, 85, 518-518	3.9	1
37	Adding insult to injury: effects of xenobiotic-induced preantral ovotoxicity on ovarian development and oocyte fusibility. *Toxicological Sciences*, **2010**, 118, 653-66	4.4	46
36	Glioma pathogenesis-related 1-like 1 is testis enriched, dynamically modified, and redistributed during male germ cell maturation and has a potential role in sperm-oocyte binding. *Endocrinology*, **2010**, 151, 2331-42	4.8	39
35	New insights into sperm physiology and pathology. *Handbook of Experimental Pharmacology*, **2010**, 99-115	3.2	58
34	Elucidation of the signaling pathways that underpin capacitation-associated surface phosphotyrosine expression in mouse spermatozoa. *Journal of Cellular Physiology*, **2010**, 224, 71-83	7	31
33	Sperm-zona pellucida interaction: molecular mechanisms and the potential for contraceptive intervention. *Handbook of Experimental Pharmacology*, **2010**, 139-78	3.2	13
32	DNA damage in human spermatozoa is highly correlated with the efficiency of chromatin remodeling and the formation of 8-hydroxy-2Rdeoxyguanosine, a marker of oxidative stress. *Biology of Reproduction*, **2009**, 81, 517-24	3.9	299
31	Testicular descent, sperm maturation and capacitation. Lessons from our most distant relatives, the monotremes. *Reproduction, Fertility and Development*, **2009**, 21, 992-1001	1.8	5
30	The biological significance of detergent-resistant membranes in spermatozoa. *Journal of Reproductive Immunology*, **2009**, 83, 8-13	4.2	46
29	Composition and significance of detergent resistant membranes in mouse spermatozoa. *Journal of Cellular Physiology*, **2009**, 218, 122-34	7	92

28	New proteins identified in epididymal fluid from the platypus (Ornithorhynchus anatinus). *Reproduction, Fertility and Development*, **2009**, 21, 1002-7	1.8	9
27	Proteomics of Human Spermatozoa **2009**, 3-12		3
26	Genome analysis of the platypus reveals unique signatures of evolution. *Nature*, **2008**, 453, 175-83	50.4	545
25	Impact of estrogenic compounds on DNA integrity in human spermatozoa: evidence for cross-linking and redox cycling activities. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2008**, 641, 1-11	3.3	66
24	Effects of 4-nonylphenol and 17alpha-ethynylestradiol exposure in the Sydney rock oyster, Saccostrea glomerata: Vitellogenin induction and gonadal development. *Aquatic Toxicology*, **2008**, 88, 39-47	5.1	60
23	Identification of the molecular chaperone, heat shock protein 1 (chaperonin 10), in the reproductive tract and in capacitating spermatozoa in the male mouse. *Biology of Reproduction*, **2008**, 78, 983-93	3.9	43
22	Molecular and functional characterization of the rabbit epididymal secretory protein 52, REP52. *Biology of Reproduction*, **2008**, 78, 910-20	3.9	8
21	Investigation of the role of SRC in capacitation-associated tyrosine phosphorylation of human spermatozoa. *Molecular Human Reproduction*, **2008**, 14, 235-43	4.4	70
20	Reproductive biology in egg-laying mammals. *Sexual Development*, **2008**, 2, 115-27	1.6	19
19	First recorded pregnancy and normal birth after ICSI using electrophoretically isolated spermatozoa. *Human Reproduction*, **2007**, 22, 197-200	5.7	82
18	Proteomic changes in mammalian spermatozoa during epididymal maturation. *Asian Journal of Andrology*, **2007**, 9, 554-64	2.8	140
17	Role of the epididymis in sperm competition. *Asian Journal of Andrology*, **2007**, 9, 493-9	2.8	32
16	New insights into the molecular mechanisms of sperm-egg interaction. *Cellular and Molecular Life Sciences*, **2007**, 64, 1805-23	10.3	85
15	Analysis of chaperone proteins associated with human spermatozoa during capacitation. *Molecular Human Reproduction*, **2007**, 13, 605-13	4.4	66
14	The identification of mouse sperm-surface-associated proteins and characterization of their ability to act as decapacitation factors. *Biology of Reproduction*, **2006**, 74, 275-87	3.9	112
13	Development of a Novel Electrophoretic System for the Isolation of Human Spermatozoa. *Journal of Urology*, **2006**, 175, 662-663	2.5	
12	The role of molecular chaperones in mouse sperm-egg interactions. *Molecular and Cellular Endocrinology*, **2005**, 240, 1-10	4.4	26
11	Development of a novel electrophoretic system for the isolation of human spermatozoa. *Human Reproduction*, **2005**, 20, 2261-70	5.7	142

10	Localization and significance of molecular chaperones, heat shock protein 1, and tumor rejection antigen gp96 in the male reproductive tract and during capacitation and acrosome reaction. *Biology of Reproduction*, **2005**, 72, 328-37	3.9	82
9	Evidence for the involvement of PECAM-1 in a receptor mediated signal-transduction pathway regulating capacitation-associated tyrosine phosphorylation in human spermatozoa. *Journal of Cell Science*, **2005**, 118, 4865-77	5.3	16
8	Tyrosine phosphorylation activates surface chaperones facilitating sperm-zona recognition. *Journal of Cell Science*, **2004**, 117, 3645-57	5.3	177
7	Identification of RARhoGAP, a novel putative RhoGAP gene expressed in male germ cells. *Genomics*, **2004**, 84, 406-18	4.3	10
6	Rabbit epididymal secretory proteins. III. Molecular cloning and characterization of the complementary DNA for REP38. *Biology of Reproduction*, **2002**, 67, 147-53	3.9	5
5	Rabbit epididymal secretory proteins. II. Immunolocalization and sperm association of REP38. *Biology of Reproduction*, **2002**, 67, 140-6	3.9	6
4	Rabbit epididymal secretory proteins. I. Characterization and hormonal regulation. *Biology of Reproduction*, **2002**, 67, 133-9	3.9	11
3	Galactosyltransferase function during mammalian fertilization. *Cells Tissues Organs*, **2001**, 168, 46-57	2.1	61
2	The specificity of epididymal secretory proteins. *Journal of Reproduction and Fertility Supplement*, **1998**, 53, 197-210		17
1	Examination of the immunocontraceptive potential of recombinant rabbit fertilin subunits in rabbit. *Biology of Reproduction*, **1997**, 57, 879-86	3.9	43