

Brett Nixon

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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	Genome analysis of the platypus reveals unique signatures of evolution. <i>Nature</i> , 2008 , 453, 175-83	50.4	545
170	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. <i>Biology of Reproduction</i> , 2009 , 81, 517-24	3.9	299
169	Tyrosine phosphorylation activates surface chaperones facilitating sperm-zona recognition. <i>Journal of Cell Science</i> , 2004 , 117, 3645-57	5.3	177
168	Development of a novel electrophoretic system for the isolation of human spermatozoa. <i>Human Reproduction</i> , 2005 , 20, 2261-70	5.7	142
167	Proteomic changes in mammalian spermatozoa during epididymal maturation. <i>Asian Journal of Andrology</i> , 2007 , 9, 554-64	2.8	140
166	Sperm capacitation: a distant landscape glimpsed but unexplored. <i>Molecular Human Reproduction</i> , 2013 , 19, 785-93	4.4	137
165	Characterisation of mouse epididymosomes reveals a complex profile of microRNAs and a potential mechanism for modification of the sperm epigenome. <i>Scientific Reports</i> , 2016 , 6, 31794	4.9	121
164	The microRNA signature of mouse spermatozoa is substantially modified during epididymal maturation. <i>Biology of Reproduction</i> , 2015 , 93, 91	3.9	118
163	The identification of mouse sperm-surface-associated proteins and characterization of their ability to act as decapacitation factors. <i>Biology of Reproduction</i> , 2006 , 74, 275-87	3.9	112
162	miRNA and mammalian male germ cells. <i>Human Reproduction Update</i> , 2012 , 18, 44-59	15.8	108
161	Are sperm capacitation and apoptosis the opposite ends of a continuum driven by oxidative stress?. <i>Asian Journal of Andrology</i> , 2015 , 17, 633-9	2.8	102
160	The molecular chaperone HSPA2 plays a key role in regulating the expression of sperm surface receptors that mediate sperm-egg recognition. <i>PLoS ONE</i> , 2012 , 7, e50851	3.7	99
159	Melatonin prevents postovulatory oocyte aging in the mouse and extends the window for optimal fertilization in vitro. <i>Biology of Reproduction</i> , 2013 , 88, 67	3.9	98
158	Composition and significance of detergent resistant membranes in mouse spermatozoa. <i>Journal of Cellular Physiology</i> , 2009 , 218, 122-34	7	92
157	Characteristics of the Epididymal Luminal Environment Responsible for Sperm Maturation and Storage. <i>Frontiers in Endocrinology</i> , 2018 , 9, 59	5.7	86
156	The role of molecular chaperones in spermatogenesis and the post-testicular maturation of mammalian spermatozoa. <i>Human Reproduction Update</i> , 2012 , 18, 420-35	15.8	86
155	The chaperonin containing TCP1 complex (CCT/TRiC) is involved in mediating sperm-oocyte interaction. <i>Journal of Biological Chemistry</i> , 2011 , 286, 36875-87	5.4	85

154	New insights into the molecular mechanisms of sperm-egg interaction. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 1805-23	10.3	85
153	First recorded pregnancy and normal birth after ICSI using electrophoretically isolated spermatozoa. <i>Human Reproduction</i> , 2007 , 22, 197-200	5.7	82
152	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. <i>Biology of Reproduction</i> , 2005 , 72, 328-37	3.9	82
151	Involvement of multimeric protein complexes in mediating the capacitation-dependent binding of human spermatozoa to homologous zonae pellucidae. <i>Developmental Biology</i> , 2011 , 356, 460-74	3.1	79
150	Proteomic insights into the maturation and capacitation of mammalian spermatozoa. <i>Systems Biology in Reproductive Medicine</i> , 2012 , 58, 211-7	2.9	74
149	Proteomic and functional analysis of human sperm detergent resistant membranes. <i>Journal of Cellular Physiology</i> , 2011 , 226, 2651-65	7	71
148	Jumping the gun: smoking constituent BaP causes premature primordial follicle activation and impairs oocyte fusibility through oxidative stress. <i>Toxicology and Applied Pharmacology</i> , 2012 , 260, 70-80	4.6	70
147	Investigation of the role of SRC in capacitation-associated tyrosine phosphorylation of human spermatozoa. <i>Molecular Human Reproduction</i> , 2008 , 14, 235-43	4.4	70
146	The impact of oxidative stress on chaperone-mediated human sperm-egg interaction. <i>Human Reproduction</i> , 2015 , 30, 2597-613	5.7	68
145	Impact of estrogenic compounds on DNA integrity in human spermatozoa: evidence for cross-linking and redox cycling activities. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008 , 641, 1-11	3.3	66
144	Analysis of chaperone proteins associated with human spermatozoa during capacitation. <i>Molecular Human Reproduction</i> , 2007 , 13, 605-13	4.4	66
143	Proteomic Profiling of Mouse Epididymosomes Reveals their Contributions to Post-testicular Sperm Maturation. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, S91-S108	7.6	66
142	Investigation of the mechanisms by which the molecular chaperone HSPA2 regulates the expression of sperm surface receptors involved in human sperm-oocyte recognition. <i>Molecular Human Reproduction</i> , 2013 , 19, 120-35	4.4	62
141	Heat exposure induces oxidative stress and DNA damage in the male germ line. <i>Biology of Reproduction</i> , 2018 , 98, 593-606	3.9	61
140	Transgenerational inheritance: how impacts to the epigenetic and genetic information of parents affect offspring health. <i>Human Reproduction Update</i> , 2019 , 25, 518-540	15.8	61
139	Galactosyltransferase function during mammalian fertilization. <i>Cells Tissues Organs</i> , 2001 , 168, 46-57	2.1	61
138	Effects of 4-nonylphenol and 17alpha-ethynylestradiol exposure in the Sydney rock oyster, <i>Saccostrea glomerata</i> : Vitellogenin induction and gonadal development. <i>Aquatic Toxicology</i> , 2008 , 88, 39-47	5.1	60
137	A unique combination of male germ cell miRNAs coordinates gonocyte differentiation. <i>PLoS ONE</i> , 2012 , 7, e35553	3.7	59

136	New insights into sperm physiology and pathology. <i>Handbook of Experimental Pharmacology</i> , 2010 , 99-115	3.5	58
135	The lipid peroxidation product 4-hydroxynonenal contributes to oxidative stress-mediated deterioration of the ageing oocyte. <i>Scientific Reports</i> , 2017 , 7, 6247	4.9	54
134	Cellular mechanisms regulating sperm-zona pellucida interaction. <i>Asian Journal of Andrology</i> , 2011 , 13, 88-96	2.8	51
133	Staying alive: PI3K pathway promotes primordial follicle activation and survival in response to 3MC-induced ovotoxicity. <i>Toxicological Sciences</i> , 2012 , 128, 258-71	4.4	50
132	The contribution of epididymosomes to the sperm small RNA profile. <i>Reproduction</i> , 2019 , 157, R209-R223	3.8	47
131	Adding insult to injury: effects of xenobiotic-induced preantral ovotoxicity on ovarian development and oocyte fusibility. <i>Toxicological Sciences</i> , 2010 , 118, 653-66	4.4	46
130	The biological significance of detergent-resistant membranes in spermatozoa. <i>Journal of Reproductive Immunology</i> , 2009 , 83, 8-13	4.2	46
129	Understanding the Villain: DMBA-induced preantral ovotoxicity involves selective follicular destruction and primordial follicle activation through PI3K/Akt and mTOR signaling. <i>Toxicological Sciences</i> , 2011 , 123, 563-75	4.4	46
128	The role of the molecular chaperone heat shock protein A2 (HSPA2) in regulating human sperm-egg recognition. <i>Asian Journal of Andrology</i> , 2015 , 17, 568-73	2.8	45
127	Molecular Changes Induced by Oxidative Stress that Impair Human Sperm Motility. <i>Antioxidants</i> , 2020 , 9,	7.1	44
126	Examination of the immunocontraceptive potential of recombinant rabbit fertilin subunits in rabbit. <i>Biology of Reproduction</i> , 1997 , 57, 879-86	3.9	43
125	Identification of the molecular chaperone, heat shock protein 1 (chaperonin 10), in the reproductive tract and in capacitating spermatozoa in the male mouse. <i>Biology of Reproduction</i> , 2008 , 78, 983-93	3.9	43
124	The effects of radiofrequency electromagnetic radiation on sperm function. <i>Reproduction</i> , 2016 , 152, R263-R276	3.8	43
123	Analysis of the small non-protein-coding RNA profile of mouse spermatozoa reveals specific enrichment of piRNAs within mature spermatozoa. <i>RNA Biology</i> , 2017 , 14, 1776-1790	4.8	40
122	Molecular Mechanisms Responsible for Increased Vulnerability of the Ageing Oocyte to Oxidative Damage. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 4015874	6.7	40
121	Dynamin regulates specific membrane fusion events necessary for acrosomal exocytosis in mouse spermatozoa. <i>Journal of Biological Chemistry</i> , 2012 , 287, 37659-72	5.4	39
120	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. <i>Endocrinology</i> , 2010 , 151, 2331-42	4.8	39
119	Mechanisms of tethering and cargo transfer during epididymosome-sperm interactions. <i>BMC Biology</i> , 2019 , 17, 35	7.3	37

118	Capacitation in the presence of methyl- β -cyclodextrin results in enhanced zona pellucida-binding ability of stallion spermatozoa. <i>Reproduction</i> , 2014 , 147, 153-66	3.8	37
117	Chronic exposure to acrylamide induces DNA damage in male germ cells of mice. <i>Toxicological Sciences</i> , 2012 , 129, 135-45	4.4	37
116	Next Generation Sequencing Analysis Reveals Segmental Patterns of microRNA Expression in Mouse Epididymal Epithelial Cells. <i>PLoS ONE</i> , 2015 , 10, e0135605	3.7	36
115	Autophagy in Female Fertility: A Role in Oxidative Stress and Aging. <i>Antioxidants and Redox Signaling</i> , 2020 , 32, 550-568	8.4	35
114	The function of chaperone proteins in the assemblage of protein complexes involved in gamete adhesion and fusion processes. <i>Reproduction</i> , 2013 , 145, R31-42	3.8	34
113	Role of the epididymis in sperm competition. <i>Asian Journal of Andrology</i> , 2007 , 9, 493-9	2.8	32
112	Novel characterization of the HSPA2-stabilizing protein BAG6 in human spermatozoa. <i>Molecular Human Reproduction</i> , 2015 , 21, 755-69	4.4	31
111	Heat Shock Protein member A2 forms a stable complex with angiotensin converting enzyme and protein disulfide isomerase A6 in human spermatozoa. <i>Molecular Human Reproduction</i> , 2016 , 22, 93-109	4.4	31
110	Elucidation of the signaling pathways that underpin capacitation-associated surface phosphotyrosine expression in mouse spermatozoa. <i>Journal of Cellular Physiology</i> , 2010 , 224, 71-83	7	31
109	Suppressor of cytokine signaling 4 (SOCS4): moderator of ovarian primordial follicle activation. <i>Journal of Cellular Physiology</i> , 2012 , 227, 1188-98	7	29
108	The chemokine CXCL12 and its receptor CXCR4 are implicated in human seminoma metastasis. <i>Andrology</i> , 2013 , 1, 517-29	4.2	29
107	DNA damage and repair in the female germline: contributions to ART. <i>Human Reproduction Update</i> , 2019 , 25, 180-201	15.8	28
106	Heat Shock Protein A2 (HSPA2): Regulatory Roles in Germ Cell Development and Sperm Function. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2017 , 222, 67-93	1.2	27
105	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. <i>Biochemical Pharmacology</i> , 2016 , 121, 78-96	6	27
104	The role of molecular chaperones in mouse sperm-egg interactions. <i>Molecular and Cellular Endocrinology</i> , 2005 , 240, 1-10	4.4	26
103	Chronic acrylamide exposure in male mice induces DNA damage to spermatozoa; Potential for amelioration by resveratrol. <i>Reproductive Toxicology</i> , 2016 , 63, 1-12	3.4	26
102	Post-testicular sperm maturation and identification of an epididymal protein in the Japanese quail (<i>Coturnix coturnix japonica</i>). <i>Reproduction</i> , 2014 , 147, 265-77	3.8	24
101	The electrophoretic separation of spermatozoa: an analysis of genotype, surface carbohydrate composition and potential for capacitation. <i>Journal of Developmental and Physical Disabilities</i> , 2011 , 34, e422-34		24

100	Proteolytic degradation of heat shock protein A2 occurs in response to oxidative stress in male germ cells of the mouse. <i>Molecular Human Reproduction</i> , 2017 , 23, 91-105	4.4	23
99	Metabolic Changes Accompanying Spermatogonial Stem Cell Differentiation. <i>Developmental Cell</i> , 2020 , 52, 399-411	10.2	22
98	Paternal impacts on development: identification of genomic regions vulnerable to oxidative DNA damage in human spermatozoa. <i>Human Reproduction</i> , 2019 , 34, 1876-1890	5.7	22
97	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). <i>Journal of Developmental and Physical Disabilities</i> , 2012 , 35, 572-89		22
96	Probing the Origins of 1,800 MHz Radio Frequency Electromagnetic Radiation Induced Damage in Mouse Immortalized Germ Cells and Spermatozoa. <i>Frontiers in Public Health</i> , 2018 , 6, 270	6	22
95	Mouse spermatocytes express CYP2E1 and respond to acrylamide exposure. <i>PLoS ONE</i> , 2014 , 9, e94904	3.7	20
94	Oxidative damage in naturally aged mouse oocytes is exacerbated by dysregulation of proteasomal activity. <i>Journal of Biological Chemistry</i> , 2018 , 293, 18944-18964	5.4	20
93	Signal Transduction in Diffuse Intrinsic Pontine Glioma. <i>Proteomics</i> , 2019 , 19, e1800479	4.8	19
92	Reproductive biology in egg-laying mammals. <i>Sexual Development</i> , 2008 , 2, 115-27	1.6	19
91	Oxidative Stress in the Male Germline: A Review of Novel Strategies to Reduce 4-Hydroxynonenal Production. <i>Antioxidants</i> , 2018 , 7,	7.1	19
90	Inhibition of arachidonate 15-lipoxygenase prevents 4-hydroxynonenal-induced protein damage in male germ cells. <i>Biology of Reproduction</i> , 2017 , 96, 598-609	3.9	18
89	Chronic Acrylamide Exposure in Male Mice Results in Elevated DNA Damage in the Germline and Heritable Induction of CYP2E1 in the Testes. <i>Biology of Reproduction</i> , 2016 , 95, 86	3.9	18
88	A Kinase Anchor Protein 4 Is Vulnerable to Oxidative Adduction in Male Germ Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 319	5.7	18
87	Profiling of epididymal small non-protein-coding RNAs. <i>Andrology</i> , 2019 , 7, 669-680	4.2	17
86	Assessment of microRNA expression in mouse epididymal epithelial cells and spermatozoa by next generation sequencing. <i>Genomics Data</i> , 2015 , 6, 208-11		17
85	Pharmacological inhibition of arachidonate 15-lipoxygenase protects human spermatozoa against oxidative stress. <i>Biology of Reproduction</i> , 2018 , 98, 784-794	3.9	17
84	Formation and Dissociation of Sperm Bundles in Monotremes. <i>Biology of Reproduction</i> , 2016 , 95, 91	3.9	17
83	The specificity of epididymal secretory proteins. <i>Journal of Reproduction and Fertility Supplement</i> , 1998 , 53, 197-210		17

82	Electrophilic aldehyde products of lipid peroxidation selectively adduct to heat shock protein 90 and arylsulfatase A in stallion spermatozoa. <i>Biology of Reproduction</i> , 2017 , 96, 107-121	3.9	16
81	Glycogen synthase kinase 3 regulates acrosomal exocytosis in mouse spermatozoa via dynamin phosphorylation. <i>FASEB Journal</i> , 2015 , 29, 2872-82	0.9	16
80	Evidence for the involvement of PECAM-1 in a receptor mediated signal-transduction pathway regulating capacitation-associated tyrosine phosphorylation in human spermatozoa. <i>Journal of Cell Science</i> , 2005 , 118, 4865-77	5.3	16
79	Non-coding RNA in Spermatogenesis and Epididymal Maturation. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 886, 95-120	3.6	15
78	Modification of Crocodile Spermatozoa Refutes the Tenet That Post-testicular Sperm Maturation Is Restricted To Mammals. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, S58-S76	7.6	15
77	The rise of testicular germ cell tumours: the search for causes, risk factors and novel therapeutic targets. <i>F1000Research</i> , 2013 , 2, 55	3.6	14
76	Male Infertility: Shining a Light on Lipids and Lipid-Modulating Enzymes in the Male Germline. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	13
75	Sperm-zona pellucida interaction: molecular mechanisms and the potential for contraceptive intervention. <i>Handbook of Experimental Pharmacology</i> , 2010 , 139-78	3.2	13
74	The Sins of Our Forefathers: Paternal Impacts on De Novo Mutation Rate and Development. <i>Annual Review of Genetics</i> , 2020 , 54, 1-24	14.5	13
73	Differential cell death decisions in the testis: evidence for an exclusive window of ferroptosis in round spermatids. <i>Molecular Human Reproduction</i> , 2019 , 25, 241-256	4.4	12
72	Characterization of a novel role for the dynamin mechanoenzymes in the regulation of human sperm acrosomal exocytosis. <i>Molecular Human Reproduction</i> , 2017 , 23, 657-673	4.4	12
71	Biochemical alterations in the oocyte in support of early embryonic development. <i>Cellular and Molecular Life Sciences</i> , 2017 , 74, 469-485	10.3	11
70	Monotremes provide a key to understanding the evolutionary significance of epididymal sperm maturation. <i>Journal of Andrology</i> , 2011 , 32, 665-71		11
69	Rabbit epididymal secretory proteins. I. Characterization and hormonal regulation. <i>Biology of Reproduction</i> , 2002 , 67, 133-9	3.9	11
68	Identification of a key role for permeability glycoprotein in enhancing the cellular defense mechanisms of fertilized oocytes. <i>Developmental Biology</i> , 2016 , 417, 63-76	3.1	11
67	The Australian saltwater crocodile (<i>Crocodylus porosus</i>) provides evidence that the capacitation of spermatozoa may extend beyond the mammalian lineage. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	11
66	Whole-body exposures to radiofrequency-electromagnetic energy can cause DNA damage in mouse spermatozoa via an oxidative mechanism. <i>Scientific Reports</i> , 2019 , 9, 17478	4.9	11
65	Double Strand Break DNA Repair occurs via Non-Homologous End-Joining in Mouse MII Oocytes. <i>Scientific Reports</i> , 2018 , 8, 9685	4.9	11

64	Identification of RARhoGAP, a novel putative RhoGAP gene expressed in male germ cells. <i>Genomics</i> , 2004 , 84, 406-18	4.3	10
63	Mouse quiescin sulphhydryl oxidases exhibit distinct epididymal luminal distribution with segment-specific sperm surface associations. <i>Biology of Reproduction</i> , 2018 , 99, 1022-1033	3.9	10
62	Epididymal CYP2E1 plays a critical role in acrylamide-induced DNA damage in spermatozoa and paternally mediated embryonic resorptions. <i>Biology of Reproduction</i> , 2017 , 96, 921-935	3.9	9
61	Dynamin 2 is essential for mammalian spermatogenesis. <i>Scientific Reports</i> , 2016 , 6, 35084	4.9	9
60	Developmental expression of the dynamin family of mechanoenzymes in the mouse epididymis. <i>Biology of Reproduction</i> , 2017 , 96, 159-173	3.9	9
59	GLIPR1L1 is an IZUMO-binding protein required for optimal fertilization in the mouse. <i>BMC Biology</i> , 2019 , 17, 86	7.3	9
58	New proteins identified in epididymal fluid from the platypus (<i>Ornithorhynchus anatinus</i>). <i>Reproduction, Fertility and Development</i> , 2009 , 21, 1002-7	1.8	9
57	Quantitative phosphoproteomics uncovers synergy between DNA-PK and FLT3 inhibitors in acute myeloid leukaemia. <i>Leukemia</i> , 2021 , 35, 1782-1787	10.7	9
56	Cryopreservation of saltwater crocodile (<i>Crocodylus porosus</i>) spermatozoa. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 2235-2244	1.8	8
55	Molecular and functional characterization of the rabbit epididymal secretory protein 52, REP52. <i>Biology of Reproduction</i> , 2008 , 78, 910-20	3.9	8
54	Molecular insights into the divergence and diversity of post-testicular maturation strategies. <i>Molecular and Cellular Endocrinology</i> , 2020 , 517, 110955	4.4	8
53	Analysis of Epididymal Protein Synthesis and Secretion. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	7
52	The small non-coding RNA profile of mouse oocytes is modified during aging. <i>Aging</i> , 2019 , 11, 2968-2997	5.6	7
51	Time-resolved proteomic profiling of cigarette smoke-induced experimental chronic obstructive pulmonary disease. <i>Respirology</i> , 2021 , 26, 960-973	3.6	7
50	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. <i>FASEB Journal</i> , 2016 , 30, 2777-91	0.9	7
49	Roles of male reproductive tract extracellular vesicles in reproduction. <i>American Journal of Reproductive Immunology</i> , 2021 , 85, e13338	3.8	7
48	Proteomic Dissection of the Impact of Environmental Exposures on Mouse Seminal Vesicle Function. <i>Molecular and Cellular Proteomics</i> , 2021 , 20, 100107	7.6	7
47	Non-surgical sterilisation methods may offer a sustainable solution to feral horse (<i>Equus caballus</i>) overpopulation. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 1655-1666	1.8	6

46	A model protocol for the cryopreservation and recovery of motile lizard sperm using the phosphodiesterase inhibitor caffeine 2020 , 8, coaa044		6
45	Rabbit epididymal secretory proteins. II. Immunolocalization and sperm association of REP38. <i>Biology of Reproduction</i> , 2002 , 67, 140-6	3.9	6
44	Limitations to intergenerational inheritance: subchronic paternal stress preconception does not influence offspring anxiety. <i>Scientific Reports</i> , 2020 , 10, 16050	4.9	6
43	Testicular descent, sperm maturation and capacitation. Lessons from our most distant relatives, the monotremes. <i>Reproduction, Fertility and Development</i> , 2009 , 21, 992-1001	1.8	5
42	Rabbit epididymal secretory proteins. III. Molecular cloning and characterization of the complementary DNA for REP38. <i>Biology of Reproduction</i> , 2002 , 67, 147-53	3.9	5
41	Oxidative Stress Dysregulates Protein Homeostasis Within the Male Germ Line. <i>Antioxidants and Redox Signaling</i> , 2020 , 32, 487-503	8.4	5
40	Shwachman-Bodian-Diamond syndrome (SBDS) protein is a direct inhibitor of protein phosphatase 2A (PP2A) activity and overexpressed in acute myeloid leukaemia. <i>Leukemia</i> , 2020 , 34, 3393-3397	10.7	5
39	Investigation into the presence and functional significance of proinsulin C-peptide in the female germline <i>Biology of Reproduction</i> , 2019 , 100, 1275-1289	3.9	4
38	Data on the concentrations of etoposide, PSC833, BAPTA-AM, and cycloheximide that do not compromise the vitality of mature mouse oocytes, parthenogenically activated and fertilized embryos. <i>Data in Brief</i> , 2016 , 8, 1215-20	1.2	4
37	Platelet activating factor receptor acts to limit colitis-induced liver inflammation. <i>FASEB Journal</i> , 2020 , 34, 7718-7732	0.9	4
36	Improved methods of DNA extraction from human spermatozoa that mitigate experimentally-induced oxidative DNA damage. <i>PLoS ONE</i> , 2018 , 13, e0195003	3.7	3
35	Knockout of glutathione peroxidase 5 down-regulates the piRNAs in the caput epididymidis of aged mice. <i>Asian Journal of Andrology</i> , 2020 , 22, 590-601	2.8	3
34	Acrylamide modulates the mouse epididymal proteome to drive alterations in the sperm small non-coding RNA profile and dysregulate embryo development. <i>Cell Reports</i> , 2021 , 37, 109787	10.6	3
33	Proteomics of Human Spermatozoa 2009 , 3-12		3
32	Evidence that extrapancreatic insulin production is involved in the mediation of sperm survival. <i>Molecular and Cellular Endocrinology</i> , 2021 , 526, 111193	4.4	3
31	A novel role for milk fat globule-EGF factor 8 protein (MFGE8) in the mediation of mouse sperm-extracellular vesicle interactions. <i>Proteomics</i> , 2021 , 21, e2000079	4.8	3
30	Proteomic Analysis of Human Spermatozoa 2017 , 3-22		2
29	Preclinical and clinical evaluation of German-sourced ONC201 for the treatment of H3K27M-mutant diffuse intrinsic pontine glioma.. <i>Neuro-Oncology Advances</i> , 2021 , 3, vdab169	0.9	2

28	Induction and Detection of Acrosomal Exocytosis in Human Spermatozoa. <i>Bio-protocol</i> , 2020 , 10, e3689	0.9	2
27	Reactive Oxygen Species in Acute Lymphoblastic Leukaemia: Reducing Radicals to Refine Responses. <i>Antioxidants</i> , 2021 , 10,	7.1	2
26	Proteostasis in the Male and Female Germline: A New Outlook on the Maintenance of Reproductive Health. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 660626	5.7	2
25	A regulatory role for CHD4 in maintenance of the spermatogonial stem cell pool. <i>Stem Cell Reports</i> , 2021 , 16, 1555-1567	8	2
24	The Impact of Aging on Macroautophagy in the Pre-ovulatory Mouse Oocyte. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 691826	5.7	2
23	Gross and microanatomy of the male reproductive duct system of the saltwater crocodile <i>Crocodylus porosus</i> . <i>Reproduction, Fertility and Development</i> , 2021 ,	1.8	2
22	New Horizons in Male Subfertility and Infertility 2020 , 15-27		1
21	Dynamin 2-dependent endocytosis is essential for mouse oocyte development and fertility. <i>FASEB Journal</i> , 2020 , 34, 5162-5177	0.9	1
20	Sperm Capacitation 2018 , 272-278		1
19	Biocompatible Nanomaterials as an Emerging Technology in Reproductive Health; a Focus on the Male. <i>Frontiers in Physiology</i> , 2021 , 12, 753686	4.6	1
18	Dynamic Landscape of Extracellular Vesicle-Associated Proteins Is Related to Treatment Response of Patients with Metastatic Breast Cancer. <i>Membranes</i> , 2021 , 11,	3.8	1
17	Transcriptomic analysis of the seminal vesicle response to the reproductive toxicant acrylamide. <i>BMC Genomics</i> , 2021 , 22, 728	4.5	1
16	Mechanistic Insight into the Regulation of Lipoxygenase-Driven Lipid Peroxidation Events in Human Spermatozoa and Their Impact on Male Fertility. <i>Antioxidants</i> , 2020 , 10,	7.1	1
15	The CCT/TRiC Complex Is Involved in Mediating Sperm-Oocyte Interaction.. <i>Biology of Reproduction</i> , 2011 , 85, 518-518	3.9	1
14	The abundance of a transfer RNA-derived RNA fragment small RNA subpopulation is enriched in cauda spermatozoa. <i>ExRNA</i> , 2020 , 2,	4.2	1
13	A novel approach to nonsurgical sterilization; application of menadione-modified gonocyte-targeting M13 bacteriophage for germ cell ablation in utero. <i>Pharmacology Research and Perspectives</i> , 2020 , 8, e00654	3.1	1
12	Post-testicular sperm maturation in the saltwater crocodile <i>Crocodylus porosus</i> : assessing the temporal acquisition of sperm motility. <i>Reproduction, Fertility and Development</i> , 2021 ,	1.8	1
11	Assisted breeding technology in the saltwater crocodile <i>Crocodylus porosus</i> : a review and look to the future. <i>Reproduction, Fertility and Development</i> , 2021 ,	1.8	1

10	Proteomic analysis of koala (<i>Phascolarctos cinereus</i>) spermatozoa and prostatic bodies. <i>Proteomics</i> , 2021 , 21, e2100067	4.8	1
9	High Resolution Proteomic Analysis of Subcellular Fractionated Boar Spermatozoa Provides Comprehensive Insights Into Perinuclear Theca-Residing Proteins.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 836208	5.7	1
8	Elucidation of the protein composition of mouse seminal vesicle fluid.. <i>Proteomics</i> , 2022 , e2100227	4.8	0
7	Capacitation and Acrosome Reaction: Histochemical Techniques to Determine Acrosome Reaction 2021 , 81-92		0
6	Assessment of the Emerging Threat Posed by Perfluoroalkyl and Polyfluoroalkyl Substances to Male Reproduction in Humans.. <i>Frontiers in Endocrinology</i> , 2021 , 12, 799043	5.7	0
5	A scRNA-seq Approach to Identifying Changes in Spermatogonial Stem Cell Gene Expression Following Culture.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 782996	5.7	0
4	Development of a Novel Electrophoretic System for the Isolation of Human Spermatozoa. <i>Journal of Urology</i> , 2006 , 175, 662-663	2.5	
3	Reproduction in Monotremes 2018 , 602-608		
2	Quantitative proteomic dataset of mouse caput epididymal epithelial cells exposed to acrylamide .. <i>Data in Brief</i> , 2022 , 42, 108032	1.2	
1	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). <i>Neuro-Oncology</i> , 2022 , 24, i18-i19	1	