

Brett Nixon

List of Publications by Year in descending order

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174
papers

8,073
citations

41258

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h-index

60497

81
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178
all docs

178
docs citations

178
times ranked

7301
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome analysis of the platypus reveals unique signatures of evolution. <i>Nature</i> , 2008, 453, 175-183.	13.7	657
2	DNA Damage in Human Spermatozoa Is Highly Correlated with the Efficiency of Chromatin Remodeling and the Formation of 8-Hydroxy-2-Deoxyguanosine, a Marker of Oxidative Stress ¹ . <i>Biology of Reproduction</i> , 2009, 81, 517-524.	1.2	357
3	Tyrosine phosphorylation activates surface chaperones facilitating sperm-zona recognition. <i>Journal of Cell Science</i> , 2004, 117, 3645-3657.	1.2	189
4	Development of a novel electrophoretic system for the isolation of human spermatozoa. <i>Human Reproduction</i> , 2005, 20, 2261-2270.	0.4	181
5	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.	1.6	181
6	Sperm capacitation: a distant landscape glimpsed but unexplored. <i>Molecular Human Reproduction</i> , 2013, 19, 785-793.	1.3	171
7	Proteomic changes in mammalian spermatozoa during epididymal maturation. <i>Asian Journal of Andrology</i> , 2007, 9, 554-564.	0.8	160
8	The MicroRNA Signature of Mouse Spermatozoa Is Substantially Modified During Epididymal Maturation ¹ . <i>Biology of Reproduction</i> , 2015, 93, 91.	1.2	156
9	Are sperm capacitation and apoptosis the opposite ends of a continuum driven by oxidative stress?. <i>Asian Journal of Andrology</i> , 2015, 17, 633.	0.8	140
10	miRNA and mammalian male germ cells. <i>Human Reproduction Update</i> , 2012, 18, 44-59.	5.2	134
11	Characteristics of the Epididymal Luminal Environment Responsible for Sperm Maturation and Storage. <i>Frontiers in Endocrinology</i> , 2018, 9, 59.	1.5	130
12	The Identification of Mouse Sperm-Surface-Associated Proteins and Characterization of Their Ability to Act as Decapacitation Factors ¹ . <i>Biology of Reproduction</i> , 2006, 74, 275-287.	1.2	128
13	Melatonin Prevents Postovulatory Oocyte Aging in the Mouse and Extends the Window for Optimal Fertilization In Vitro ¹ . <i>Biology of Reproduction</i> , 2013, 88, 67.	1.2	128
14	Transgenerational inheritance: how impacts to the epigenetic and genetic information of parents affect offspring health. <i>Human Reproduction Update</i> , 2019, 25, 519-541.	5.2	123
15	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.	1.1	121
16	Proteomic Profiling of Mouse Epididymosomes Reveals their Contributions to Post-testicular Sperm Maturation. <i>Molecular and Cellular Proteomics</i> , 2019, 18, S91-S108.	2.5	111
17	The role of molecular chaperones in spermatogenesis and the post-testicular maturation of mammalian spermatozoa. <i>Human Reproduction Update</i> , 2012, 18, 420-435.	5.2	109
18	Molecular Changes Induced by Oxidative Stress that Impair Human Sperm Motility. <i>Antioxidants</i> , 2020, 9, 134.	2.2	106

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19	First recorded pregnancy and normal birth after ICSI using electrophoretically isolated spermatozoa. <i>Human Reproduction</i> , 2007, 22, 197-200.	0.4	102
20	The Chaperonin Containing TCP1 Complex (CCT/TRiC) Is Involved in Mediating Sperm-Oocyte Interaction. <i>Journal of Biological Chemistry</i> , 2011, 286, 36875-36887.	1.6	101
21	Involvement of multimeric protein complexes in mediating the capacitation-dependent binding of human spermatozoa to homologous zonae pellucidae. <i>Developmental Biology</i> , 2011, 356, 460-474.	0.9	100
22	Composition and significance of detergent resistant membranes in mouse spermatozoa. <i>Journal of Cellular Physiology</i> , 2009, 218, 122-134.	2.0	98
23	New insights into the molecular mechanisms of sperm-egg interaction. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 1805-1823.	2.4	94
24	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 Reaction1. <i>Biology of Reproduction</i> , 2005, 72, 328-337.	1.2	93
25	Heat exposure induces oxidative stress and DNA damage in the male germ line. <i>Biology of Reproduction</i> , 2018, 98, 593-606.	1.2	91
26	The impact of oxidative stress on chaperone-mediated human sperm-egg interaction. <i>Human Reproduction</i> , 2015, 30, 2597-2613.	0.4	88
27	The lipid peroxidation product 4-hydroxynonenal contributes to oxidative stress-mediated deterioration of the ageing oocyte. <i>Scientific Reports</i> , 2017, 7, 6247.	1.6	87
28	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.	0.4	85
29	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.	1.3	83
30	Investigation of the role of SRC in capacitation-associated tyrosine phosphorylation of human spermatozoa. <i>Molecular Human Reproduction</i> , 2008, 14, 235-243.	1.3	81
31	Proteomic and functional analysis of human sperm detergent resistant membranes. <i>Journal of Cellular Physiology</i> , 2011, 226, 2651-2665.	2.0	81
32	Proteomic insights into the maturation and capacitation of mammalian spermatozoa. <i>Systems Biology in Reproductive Medicine</i> , 2012, 58, 211-217.	1.0	80
33	The contribution of epididymosomes to the sperm small RNA profile. <i>Reproduction</i> , 2019, 157, R209-R223.	1.1	80
34	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, 120-135.	1.3	75
35	Analysis of chaperone proteins associated with human spermatozoa during capacitation. <i>Molecular Human Reproduction</i> , 2007, 13, 605-613.	1.3	73
36	Galactosyltransferase Function during Mammalian Fertilization. <i>Cells Tissues Organs</i> , 2001, 168, 46-57.	1.3	70

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37	New Insights into Sperm Physiology and Pathology. Handbook of Experimental Pharmacology, 2010, , 99-115.	0.9	70
38	A Unique Combination of Male Germ Cell miRNAs Coordinates Gonocyte Differentiation. PLoS ONE, 2012, 7, e35553.	1.1	70
39	Effects of 4-nonylphenol and 17 β -ethynylestradiol exposure in the Sydney rock oyster, <i>Saccostrea glomerata</i> : Vitellogenin induction and gonadal development. Aquatic Toxicology, 2008, 88, 39-47.	1.9	68
40	The effects of radiofrequency electromagnetic radiation on sperm function. Reproduction, 2016, 152, R263-R276.	1.1	68
41	Autophagy in Female Fertility: A Role in Oxidative Stress and Aging. Antioxidants and Redox Signaling, 2020, 32, 550-568.	2.5	67
42	Cellular mechanisms regulating spermâ€“zona pellucida interaction. Asian Journal of Andrology, 2011, 13, 88-96.	0.8	65
43	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, 563-575.	1.4	60
44	Mechanisms of tethering and cargo transfer during epididymosome-sperm interactions. BMC Biology, 2019, 17, 35.	1.7	59
45	The role of the molecular chaperone heat shock protein A2 (HSPA2) in regulating human sperm-egg recognition. Asian Journal of Andrology, 2015, 17, 568.	0.8	59
46	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.	1.5	57
47	Molecular Mechanisms Responsible for Increased Vulnerability of the Ageing Oocyte to Oxidative Damage. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-22.	1.9	56
48	Staying Alive: PI3K Pathway Promotes Primordial Follicle Activation and Survival in Response to 3MC-Induced Ovotoxicity. Toxicological Sciences, 2012, 128, 258-271.	1.4	55
49	Metabolic Changes Accompanying Spermatogonial Stem Cell Differentiation. Developmental Cell, 2020, 52, 399-411.	3.1	54
50	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, 2331-2342.	1.4	52
51	The biological significance of detergent-resistant membranes in spermatozoa. Journal of Reproductive Immunology, 2009, 83, 8-13.	0.8	51
52	Adding Insult to Injury: Effects of Xenobiotic-Induced Preantral Ovotoxicity on Ovarian Development and Oocyte Fusibility. Toxicological Sciences, 2010, 118, 653-666.	1.4	51
53	Examination of the Immunocontraceptive Potential of Recombinant Rabbit Fertilin Subunits in Rabbit. Biology of Reproduction, 1997, 57, 879-886.	1.2	48
54	Identification of the Molecular Chaperone, Heat Shock Protein 1 (Chaperonin 10), in the Reproductive Tract and in Capacitating Spermatozoa in the Male Mouse1. Biology of Reproduction, 2008, 78, 983-993.	1.2	48

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55	Chronic Exposure to Acrylamide Induces DNA Damage in Male Germ Cells of Mice. <i>Toxicological Sciences</i> , 2012, 129, 135-145.	1.4	47
56	Capacitation in the presence of methyl- β -cyclodextrin results in enhanced zona pellucida-binding ability of stallion spermatozoa. <i>Reproduction</i> , 2014, 147, 153-166.	1.1	46
57	DNA damage and repair in the female germline: contributions to ART. <i>Human Reproduction Update</i> , 2019, 25, 180-201.	5.2	46
58	Dynamin Regulates Specific Membrane Fusion Events Necessary for Acrosomal Exocytosis in Mouse Spermatozoa. <i>Journal of Biological Chemistry</i> , 2012, 287, 37659-37672.	1.6	45
59	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.	1.0	44
60	Paternal impacts on development: identification of genomic regions vulnerable to oxidative DNA damage in human spermatozoa. <i>Human Reproduction</i> , 2019, 34, 1876-1890.	0.4	43
61	Next Generation Sequencing Analysis Reveals Segmental Patterns of microRNA Expression in Mouse Epididymal Epithelial Cells. <i>PLoS ONE</i> , 2015, 10, e0135605.	1.1	42
62	Novel characterization of the HSPA2-stabilizing protein BAG6 in human spermatozoa. <i>Molecular Human Reproduction</i> , 2015, 21, 755-769.	1.3	42
63	The function of chaperone proteins in the assemblage of protein complexes involved in gamete adhesion and fusion processes. <i>Reproduction</i> , 2013, 145, R31-R42.	1.1	41
64	Suppressor of cytokine signaling 4 (SOCS4): Moderator of ovarian primordial follicle activation. <i>Journal of Cellular Physiology</i> , 2012, 227, 1188-1198.	2.0	38
65	Pharmacological inhibition of arachidonate 15-lipoxygenase protects human spermatozoa against oxidative stress. <i>Biology of Reproduction</i> , 2018, 98, 784-794.	1.2	38
66	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.	1.3	38
67	Role of the epididymis in sperm competition. <i>Asian Journal of Andrology</i> , 2007, 9, 493-499.	0.8	37
68	The chemokine CXCL12 and its receptor CXCR4 are implicated in human seminoma metastasis. <i>Andrology</i> , 2013, 1, 517-529.	1.9	37
69	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-e434.	3.6	36
70	Signal Transduction in Diffuse Intrinsic Pontine Glioma. <i>Proteomics</i> , 2019, 19, 1800479.	1.3	36
71	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.	2.0	35
72	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.	1.3	35

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73	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.	2.0	34
74	Oxidative Stress in the Male Germline: A Review of Novel Strategies to Reduce 4-Hydroxynonenal Production. <i>Antioxidants</i> , 2018, 7, 132.	2.2	34
75	Oxidative damage in naturally aged mouse oocytes is exacerbated by dysregulation of proteasomal activity. <i>Journal of Biological Chemistry</i> , 2018, 293, 18944-18964.	1.6	33
76	Profiling of epididymal small non-protein-coding <i>scRNA</i> s. <i>Andrology</i> , 2019, 7, 669-680.	1.9	33
77	The Sins of Our Forefathers: Paternal Impacts on De Novo Mutation Rate and Development. <i>Annual Review of Genetics</i> , 2020, 54, 1-24.	3.2	33
78	The role of molecular chaperones in mouse sperm-egg interactions. <i>Molecular and Cellular Endocrinology</i> , 2005, 240, 1-10.	1.6	31
79	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, 572-589.	3.6	31
80	Roles of male reproductive tract extracellular vesicles in reproduction. <i>American Journal of Reproductive Immunology</i> , 2021, 85, e13338.	1.2	31
81	Chronic acrylamide exposure in male mice induces DNA damage to spermatozoa; Potential for amelioration by resveratrol. <i>Reproductive Toxicology</i> , 2016, 63, 1-12.	1.3	30
82	Probing the Origins of 1,800 MHz Radio Frequency Electromagnetic Radiation Induced Damage in Mouse Immortalized Germ Cells and Spermatozoa in vitro. <i>Frontiers in Public Health</i> , 2018, 6, 270.	1.3	30
83	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.	2.5	30
84	Mouse Spermatocytes Express CYP2E1 and Respond to Acrylamide Exposure. <i>PLoS ONE</i> , 2014, 9, e94904.	1.1	29
85	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.	1.8	29
86	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.	1.3	28
87	Inhibition of arachidonate 15-lipoxygenase prevents 4-hydroxynonenal-induced protein damage in male germ cells. <i>Biology of Reproduction</i> , 2017, 96, 598-609.	1.2	27
88	Reproductive Biology in Egg-Laying Mammals. <i>Sexual Development</i> , 2008, 2, 115-127.	1.1	26
89	Post-testicular sperm maturation and identification of an epididymal protein in the Japanese quail (<i>Coturnix coturnix japonica</i>). <i>Reproduction</i> , 2014, 147, 265-277.	1.1	26
90	Non-coding RNA in Spermatogenesis and Epididymal Maturation. <i>Advances in Experimental Medicine and Biology</i> , 2016, 886, 95-120.	0.8	25

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91	Double Strand Break DNA Repair occurs via Non-Homologous End-Joining in Mouse MII Oocytes. <i>Scientific Reports</i> , 2018, 8, 9685.	1.6	25
92	Glycogen synthase kinase 3 regulates acrosomal exocytosis in mouse spermatozoa <i>via</i> dynamin phosphorylation. <i>FASEB Journal</i> , 2015, 29, 2872-2882.	0.2	22
93	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, 86-86.	1.2	22
94	Formation and Dissociation of Sperm Bundles in Monotremes. <i>Biology of Reproduction</i> , 2016, 95, 91-91.	1.2	22
95	Quantitative phosphoproteomics uncovers synergy between DNA-PK and FLT3 inhibitors in acute myeloid leukaemia. <i>Leukemia</i> , 2021, 35, 1782-1787.	3.3	22
96	Time-resolved proteomic profiling of cigarette smoke-induced experimental chronic obstructive pulmonary disease. <i>Respirology</i> , 2021, 26, 960-973.	1.3	22
97	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.	2.9	22
98	Assessment of microRNA expression in mouse epididymal epithelial cells and spermatozoa by next generation sequencing. <i>Genomics Data</i> , 2015, 6, 208-211.	1.3	21
99	GLIPR1L1 is an IZUMO-binding protein required for optimal fertilization in the mouse. <i>BMC Biology</i> , 2019, 17, 86.	1.7	20
100	Male Infertility: Shining a Light on Lipids and Lipid-Modulating Enzymes in the Male Germline. <i>Journal of Clinical Medicine</i> , 2020, 9, 327.	1.0	20
101	Electrophilic aldehyde products of lipid peroxidation selectively adduct to heat shock protein 90 and arylsulfatase A in stallion spermatozoa ^{<sup><xref ref-type="fn" rid="afn2">â€</xref></sup>. <i>Biology of Reproduction</i>, 2017, 96, 107-121.}	1.2	19
102	Spermâ€Zona Pellucida Interaction: Molecular Mechanisms and the Potential for Contraceptive Intervention. <i>Handbook of Experimental Pharmacology</i> , 2010, , 139-178.	0.9	19
103	Cryopreservation of saltwater crocodile (<i>Crocodylus porosus</i>) spermatozoa. <i>Reproduction, Fertility and Development</i> , 2017, 29, 2235.	0.1	18
104	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, 4865-4877.	1.2	17
105	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, 20160495.	1.2	17
106	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.	1.6	17
107	The specificity of epididymal secretory proteins. <i>Journal of Reproduction and Fertility Supplement</i> , 1998, 53, 197-210.	0.1	17
108	Biochemical alterations in the oocyte in support of early embryonic development. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 469-485.	2.4	16

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109	Oxidative Stress Dysregulates Protein Homeostasis Within the Male Germ Line. Antioxidants and Redox Signaling, 2020, 32, 487-503.	2.5	16
110	Molecular insights into the divergence and diversity of post-testicular maturation strategies. Molecular and Cellular Endocrinology, 2020, 517, 110955.	1.6	16
111	A model protocol for the cryopreservation and recovery of motile lizard sperm using the phosphodiesterase inhibitor caffeine. , 2020, 8, coaa044.		16
112	Proteomic Dissection of the Impact of Environmental Exposures on Mouse Seminal Vesicle Function. Molecular and Cellular Proteomics, 2021, 20, 100107.	2.5	16
113	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.	1.8	16
114	Identification of a key role for permeability glycoprotein in enhancing the cellular defense mechanisms of fertilized oocytes. Developmental Biology, 2016, 417, 63-76.	0.9	15
115	Mouse quiescin sulfhydryl oxidases exhibit distinct epididymal luminal distribution with segment-specific sperm surface associations. Biology of Reproduction, 2018, 99, 1022-1033.	1.2	15
116	The rise of testicular germ cell tumours: the search for causes, risk factors and novel therapeutic targets. F1000Research, 2013, 2, 55.	0.8	15
117	Characterization of a novel role for the dynamin mechanoenzymes in the regulation of human sperm acrosomal exocytosis. Molecular Human Reproduction, 2017, 23, 657-673.	1.3	14
118	Platelet activating factor receptor acts to limit colitis-induced liver inflammation. FASEB Journal, 2020, 34, 7718-7732.	0.2	14
119	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.	3.3	14
120	Evidence that extrapancreatic insulin production is involved in the mediation of sperm survival. Molecular and Cellular Endocrinology, 2021, 526, 111193.	1.6	14
121	Rabbit Epididymal Secretory Proteins. I. Characterization and Hormonal Regulation1. Biology of Reproduction, 2002, 67, 133-139.	1.2	12
122	Identification of RARhoGAP, a novel putative RhoGAP gene expressed in male germ cells. Genomics, 2004, 84, 406-418.	1.3	12
123	Monotremes Provide a Key to Understanding the Evolutionary Significance of Epididymal Sperm Maturation. Journal of Andrology, 2011, 32, 665-671.	2.0	12
124	A regulatory role for CHD4 in maintenance of the spermatogonial stem cell pool. Stem Cell Reports, 2021, 16, 1555-1567.	2.3	12
125	New proteins identified in epididymal fluid from the platypus (Ornithorhynchus anatinus). Reproduction, Fertility and Development, 2009, 21, 1002.	0.1	11
126	Analysis of Epididymal Protein Synthesis and Secretion. Journal of Visualized Experiments, 2018, , .	0.2	11

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127	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.	1.8	11
128	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.	0.4	11
129	Dynamin 2 is essential for mammalian spermatogenesis. <i>Scientific Reports</i> , 2016, 6, 35084.	1.6	10
130	Developmental expression of the dynamin family of mechanoenzymes in the mouse epididymis. <i>Biology of Reproduction</i> , 2017, 96, 159-173.	1.2	10
131	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.	1.2	10
132	Limitations to intergenerational inheritance: subchronic paternal stress preconception does not influence offspring anxiety. <i>Scientific Reports</i> , 2020, 10, 16050.	1.6	10
133	The Impact of Aging on Macroautophagy in the Pre-ovulatory Mouse Oocyte. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 691826.	1.8	10
134	Proteomic analysis of koala (<i>Phascolarctos cinereus</i>) spermatozoa and prostatic bodies. <i>Proteomics</i> , 2021, 21, e2100067.	1.3	10
135	The small non-coding RNA profile of mouse oocytes is modified during aging. <i>Aging</i> , 2019, 11, 2968-2997.	1.4	10
136	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.	0.8	10
137	Reactive Oxygen Species in Acute Lymphoblastic Leukaemia: Reducing Radicals to Refine Responses. <i>Antioxidants</i> , 2021, 10, 1616.	2.2	10
138	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, 2777-2791.	0.2	9
139	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.	0.1	9
140	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.	1.3	9
141	Elucidation of the protein composition of mouse seminal vesicle fluid. <i>Proteomics</i> , 2022, 22, e2100227.	1.3	9
142	Molecular and Functional Characterization of the Rabbit Epididymal Secretory Protein 52, REP521. <i>Biology of Reproduction</i> , 2008, 78, 910-920.	1.2	8
143	In vitro Induction and Detection of Acrosomal Exocytosis in Human Spermatozoa. <i>Bio-protocol</i> , 2020, 10, e3689.	0.2	8
144	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, 33, 530.	0.1	7

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145	Transcriptomic analysis of the seminal vesicle response to the reproductive toxicant acrylamide. BMC Genomics, 2021, 22, 728.	1.2	7
146	Mechanistic Insight into the Regulation of Lipoxygenase-Driven Lipid Peroxidation Events in Human Spermatozoa and Their Impact on Male Fertility. Antioxidants, 2021, 10, 43.	2.2	7
147	Assessment of the Emerging Threat Posed by Perfluoroalkyl and Polyfluoroalkyl Substances to Male Reproduction in Humans. Frontiers in Endocrinology, 2021, 12, 799043.	1.5	7
148	Rabbit Epididymal Secretory Proteins. II. Immunolocalization and Sperm Association of REP381. Biology of Reproduction, 2002, 67, 140-146.	1.2	6
149	Testicular descent, sperm maturation and capacitation. Lessons from our most distant relatives, the monotremes. Reproduction, Fertility and Development, 2009, 21, 992.	0.1	6
150	Gross and microanatomy of the male reproductive duct system of the saltwater crocodile. Reproduction, Fertility and Development, 2021, 33, 540-554.	0.1	6
151	Assisted breeding technology in the saltwater crocodile. Reproduction, Fertility and Development, 2021, 33, 503-518.	0.1	6
152	Rabbit Epididymal Secretory Proteins. III. Molecular Cloning and Characterization of the Complementary DNA for REP381. Biology of Reproduction, 2002, 67, 147-153.	1.2	5
153	Improved methods of DNA extraction from human spermatozoa that mitigate experimentally-induced oxidative DNA damage. PLoS ONE, 2018, 13, e0195003.	1.1	5
154	Investigation into the presence and functional significance of proinsulin C-peptide in the female germline. Biology of Reproduction, 2019, 100, 1275-1289.	1.2	5
155	The abundance of a transfer RNA-derived RNA fragment small RNA subpopulation is enriched in cauda spermatozoa. ExRNA, 2020, 2, .	1.0	5
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