

R John Aitken

List of Publications by Year in descending order

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Version: 2024-02-01

579
papers

45,825
citations

1043

113
h-index

2894

190
g-index

624
all docs

624
docs citations

624
times ranked

22507
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 and male infertility: An update. <i>Andrology</i> , 2022, 10, 8-10.	1.9	21
2	Rapid impact of COVID-19 infection on semen quality: a case report. <i>Translational Andrology and Urology</i> , 2022, 11, 110-115.	0.6	10
3	Proteomic analysis of spermatozoa reveals caseins play a pivotal role in preventing short-term periods of subfertility in stallions. <i>Biology of Reproduction</i> , 2022, 106, 741-755.	1.2	5
4	The changing tide of human fertility. <i>Human Reproduction</i> , 2022, 37, 629-638.	0.4	35
5	Male Infertility and Oxidative Stress: A Focus on the Underlying Mechanisms. <i>Antioxidants</i> , 2022, 11, 306.	2.2	67
6	The future of assessing bull fertility: Can the omics fields identify usable biomarkers?. <i>Biology of Reproduction</i> , 2022, 106, 854-864.	1.2	16
7	Sperm oxidative stress in the context of male infertility: current evidence, links with genetic and epigenetic factors and future clinical needs. <i>Minerva Endocrinology</i> , 2022, , .	0.6	5
8	Causative mechanisms and functional correlates of MTT reduction in stallion spermatozoa. <i>Reproduction</i> , 2022, , .	1.1	4
9	Reactive Oxygen Species and Their Consequences on the Structure and Function of Mammalian Spermatozoa. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 481-500.	2.5	12
10	Role of sperm DNA damage in creating de-novo mutations in human offspring: the post-meiotic oocyte collusion hypothesis. <i>Reproductive BioMedicine Online</i> , 2022, 45, 109-124.	1.1	18
11	Conception and early pregnancy in the mare: lipidomics the unexplored frontier. <i>Reproduction and Fertility</i> , 2022, 3, R1-R18.	0.6	4
12	COVID-19 and human spermatozoa: Potential risks for infertility and sexual transmission?. <i>Andrology</i> , 2021, 9, 48-52.	1.9	77
13	Serum vitamin D content is associated with semen parameters and serum testosterone levels in men. <i>Asian Journal of Andrology</i> , 2021, 23, 52.	0.8	31
14	Proteomic Dissection of the Impact of Environmental Exposures on Mouse Seminal Vesicle Function. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100107.	2.5	16
15	Should we be measuring DNA damage in human spermatozoa? New light on an old question. <i>Human Reproduction</i> , 2021, 36, 1175-1185.	0.4	48
16	Melatonin alleviates heat stress-induced oxidative stress and apoptosis in human spermatozoa. <i>Free Radical Biology and Medicine</i> , 2021, 164, 410-416.	1.3	42
17	Persistence of the parabens in soil and their potential toxicity to earthworms. <i>Environmental Toxicology and Pharmacology</i> , 2021, 83, 103574.	2.0	13
18	Life and Death in the Germ Line. , 2021, , 35-48.		0

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19	Evidence that extrapancreatic insulin production is involved in the mediation of sperm survival. <i>Molecular and Cellular Endocrinology</i> , 2021, 526, 111193.	1.6	14
20	Glycerophospholipids protect stallion spermatozoa from oxidative damage in vitro. <i>Reproduction and Fertility</i> , 2021, 2, 199-209.	0.6	4
21	Chemical pollution: A growing peril and potential catastrophic risk to humanity. <i>Environment International</i> , 2021, 156, 106616.	4.8	193
22	Antioxidant trials—the need to test for stress. <i>Human Reproduction Open</i> , 2021, 2021, hoab007.	2.3	16
23	Transcriptomic analysis of the seminal vesicle response to the reproductive toxicant acrylamide. <i>BMC Genomics</i> , 2021, 22, 728.	1.2	7
24	Mechanistic Insight into the Regulation of Lipoxygenase-Driven Lipid Peroxidation Events in Human Spermatozoa and Their Impact on Male Fertility. <i>Antioxidants</i> , 2021, 10, 43.	2.2	7
25	Apoptotic M540 bodies present in human semen interfere with flow cytometry-assisted assessment of sperm DNA fragmentation and oxidation. <i>Basic and Clinical Andrology</i> , 2021, 31, 23.	0.8	1
26	Biocompatible Nanomaterials as an Emerging Technology in Reproductive Health; a Focus on the Male. <i>Frontiers in Physiology</i> , 2021, 12, 753686.	1.3	3
27	A novel pathway for the induction of DNA damage in human spermatozoa involving extracellular cell-free DNA. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2020, 821, 111722.	0.4	6
28	The Male Is Significantly Implicated as the Cause of Unexplained Infertility. <i>Seminars in Reproductive Medicine</i> , 2020, 38, 003-020.	0.5	23
29	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
30	A novel approach to nonsurgical sterilization; application of menadione-modified gonocyte-targeting M13 bacteriophage for germ cell ablation <i>in utero</i> . <i>Pharmacology Research and Perspectives</i> , 2020, 8, e00654.	1.1	2
31	The Role of Genetics and Oxidative Stress in the Etiology of Male Infertility—A Unifying Hypothesis?. <i>Frontiers in Endocrinology</i> , 2020, 11, 581838.	1.5	51
32	So near yet so far away. <i>F&S Reports</i> , 2020, 1, 176.	0.4	2
33	Decontamination of respirators in the covid-19 pandemic. <i>BMJ, The</i> , 2020, 369, m1986.	3.0	0
34	The Case Against Intracytoplasmic Sperm Injection for All. , 2020, , 130-140.		1
35	New Horizons in Male Subfertility and Infertility. , 2020, , 15-27.		1
36	Occupational Inhalation Exposures to Nanoparticles at Six Singapore Printing Centers. <i>Environmental Science & Technology</i> , 2020, 54, 2389-2400.	4.6	36

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37	The Importance of Oxidative Stress in Determining the Functionality of Mammalian Spermatozoa: A Two-Edged Sword. <i>Antioxidants</i> , 2020, 9, 111.	2.2	117
38	Protecting healthcare workers from inhaled SARS-CoV-2 virus. <i>Occupational Medicine</i> , 2020, 70, 335-337.	0.8	24
39	Functions and effects of reactive oxygen species in male fertility. <i>Animal Reproduction Science</i> , 2020, 220, 106456.	0.5	21
40	Motility Parameters and Fertility. , 2020, , 285-302.		3
41	Impact of oxidative stress on male and female germ cells: implications for fertility. <i>Reproduction</i> , 2020, 159, R189-R201.	1.1	149
42	Patterns of MTT reduction in mammalian spermatozoa. <i>Reproduction</i> , 2020, 160, 431-445.	1.1	5
43	Mass spectrometry reveals distinct proteomic profiles in high- and low-quality stallion spermatozoa. <i>Reproduction</i> , 2020, 160, 695-707.	1.1	23
44	Oxidation of Sperm Nucleus in Mammals: A Physiological Necessity to Some Extent with Adverse Impacts on Oocyte and Offspring. <i>Antioxidants</i> , 2020, 9, 95.	2.2	47
45	Lifestyle Factors and Sperm Quality. , 2020, , 59-72.		0
46	Sperm Selection for ART Success. , 2020, , 1-14.		0
47	DNA Damage in Spermatozoa. , 2020, , 199-210.		0
48	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
49	Oxidative Damage to Sperm DNA: Attack and Defense. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1166, 107-117.	0.8	32
50	Impacts of obesity, maternal obesity and nicotinamide mononucleotide supplementation on sperm quality in mice. <i>Reproduction</i> , 2019, 158, 171-181.	1.1	17
51	An Emerging Medical Device: Electrophoretic Sperm Separation. , 2019, , 347-352.		0
52	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
53	GLIPR1L1 is an IZUMO-binding protein required for optimal fertilization in the mouse. <i>BMC Biology</i> , 2019, 17, 86.	1.7	20
54	Investigation into the presence and functional significance of proinsulin C-peptide in the female germline. <i>Biology of Reproduction</i> , 2019, 100, 1275-1289.	1.2	5

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55	CRISPR/Cas9-mediated genome editing reveals 30 testis-enriched genes dispensable for male fertility in mice. <i>Biology of Reproduction</i> , 2019, 101, 501-511.	1.2	81
56	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
57	Learning from death. <i>ANZ Journal of Surgery</i> , 2019, 89, 1355-1356.	0.3	0
58	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
59	DNA damage and repair in the female germline: contributions to ART. <i>Human Reproduction Update</i> , 2019, 25, 180-201.	5.2	46
60	Depletion of thiols leads to redox deregulation, production of 4-hydroxynonenal and sperm senescence: a possible role for GSH regulation in spermatozoa. <i>Biology of Reproduction</i> , 2019, 100, 1090-1107.	1.2	21
61	From Past to Present. , 2019, , 17-26.		4
62	Role of Oxidative Stress in the Etiology of Male Infertility and the Potential Therapeutic Value of Antioxidants. , 2019, , 91-100.		10
63	The serine protease testisin is present on the surface of capacitated stallion spermatozoa and interacts with key zona pellucida binding proteins. <i>Andrology</i> , 2019, 7, 199-212.	1.9	13
64	What makes a fertile sperm? Unique molecular attributes of stallion fertility. <i>Reproduction</i> , 2019, 158, R125-R137.	1.1	17
65	Accuracy of human sperm DNA oxidation quantification and threshold determination using an 8-OHdG immuno-detection assay. <i>Human Reproduction</i> , 2018, 33, 553-562.	0.4	60
66	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
67	Parabens generate reactive oxygen species in human spermatozoa. <i>Andrology</i> , 2018, 6, 532-541.	1.9	58
68	Pharmacological inhibition of arachidonate 15-lipoxygenase protects human spermatozoa against oxidative stress. <i>Biology of Reproduction</i> , 2018, 98, 784-794.	1.2	38
69	Not every sperm is sacred; a perspective on male infertility. <i>Molecular Human Reproduction</i> , 2018, 24, 287-298.	1.3	44
70	Nitroblue tetrazolium (NBT) assay. <i>Reproductive BioMedicine Online</i> , 2018, 36, 90-91.	1.1	19
71	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
72	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

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73	Men's Preconception Health: A Primary Health-Care Viewpoint. <i>American Journal of Men's Health</i> , 2018, 12, 1575-1581.	0.7	34
74	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
75	Genomic integrity in the male germ line: evidence in support of the disposable soma hypothesis. <i>Reproduction</i> , 2018, 156, 269-282.	1.1	9
76	Australia urgently needs a quality improvement approach to emergency laparotomy. <i>Medical Journal of Australia</i> , 2018, 208, 58-59.	0.8	0
77	Improved methods of DNA extraction from human spermatozoa that mitigate experimentally-induced oxidative DNA damage. <i>PLoS ONE</i> , 2018, 13, e0195003.	1.1	5
78	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
79	Oxidative stress, placental ageing-related pathologies and adverse pregnancy outcomes. <i>American Journal of Reproductive Immunology</i> , 2017, 77, e12653.	1.2	174
80	Adjuncts in the IVF laboratory: where is the evidence for "add-on" interventions?. <i>Human Reproduction</i> , 2017, 32, 485-491.	0.4	123
81	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
82	Evidence that fetal death is associated with placental aging. <i>American Journal of Obstetrics and Gynecology</i> , 2017, 217, 441.e1-441.e14.	0.7	67
83	Swim-up of tammar wallaby (<i>Macropus eugenii</i>) spermatozoa in Biggers, Whitter and Whittingham (BWW) medium: maximisation of sperm motility, minimisation of impairment of sperm metabolism and induction of sperm hyperactivation. <i>Reproduction, Fertility and Development</i> , 2017, 29, 345.	0.1	7
84	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
85	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.	1.2	19
86	Exposure of spermatozoa to dibutyl phthalate induces abnormal embryonic development in a marine invertebrate <i>Galeolaria caespitosa</i> (Polychaeta: Serpulidae). <i>Aquatic Toxicology</i> , 2017, 191, 189-200.	1.9	32
87	Reactive oxygen species as mediators of sperm capacitation and pathological damage. <i>Molecular Reproduction and Development</i> , 2017, 84, 1039-1052.	1.0	394
88	From Peptide Masses to Pregnancy Maintenance: A Comprehensive Proteomic Analysis of The Early Equine Embryo Secretome, Blastocoel Fluid, and Capsule. <i>Proteomics</i> , 2017, 17, 1600433.	1.3	29
89	Proteomic Analysis of Human Spermatozoa. , 2017, , 3-22.		3
90	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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91	Ultrastructural investigation and in vitro recapitulation of spermatid differentiation in a potential bio-indicator species – The marine invertebrate <i>Galeolaria geminea</i> (Polychaeta: Serpulidae). PLoS ONE, 2017, 12, e0183986.	1.1	4
92	DNA damage in human spermatozoa; important contributor to mutagenesis in the offspring. Translational Andrology and Urology, 2017, 6, S761-S764.	0.6	53
93	Detailed analysis of the male reproductive system in a potential bio-indicator species – The marine invertebrate <i>Galeolaria caespitosa</i> (Polychaeta: Serpulidae). PLoS ONE, 2017, 12, e0174907.	1.1	4
94	How important is drinking water exposure for the risks of engineered nanoparticles to consumers?. Nanotoxicology, 2016, 10, 1-9.	1.6	34
95	The Impact of Sperm Metabolism during <i>In Vitro</i> Storage: The Stallion as a Model. BioMed Research International, 2016, 2016, 1-8.	0.9	62
96	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
97	Involvement of homocysteine, homocysteine thiolactone, and paraoxonase type 1 (PON1) in the etiology of defective human sperm function. Andrology, 2016, 4, 345-360.	1.9	41
98	'Safe handling of nanotechnology' ten years on. Nature Nanotechnology, 2016, 11, 998-1000.	15.6	53
99	Prospects for immunocontraception in feral horse population control: exploring novel targets for an equine fertility vaccine. Reproduction, Fertility and Development, 2016, 28, 853.	0.1	12
100	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, 2777-2791.	0.2	9
101	Aldehyde Dehydrogenase Plays a Pivotal Role in the Maintenance of Stallion Sperm Motility1. Biology of Reproduction, 2016, 94, 133.	1.2	44
102	The effects of radiofrequency electromagnetic radiation on sperm function. Reproduction, 2016, 152, R263-R276.	1.1	68
103	Data on the concentrations of etoposide, PSC833, BAPTA-AM, and cycloheximide that do not compromise the vitality of mature mouse oocytes, parthenogenetically activated and fertilized embryos. Data in Brief, 2016, 8, 1215-1220.	0.5	4
104	Rosiglitazone Improves Stallion Sperm Motility, ATP Content, and Mitochondrial Function. Biology of Reproduction, 2016, 95, 107-107.	1.2	47
105	Oxidative stress and the etiology of male infertility. Journal of Assisted Reproduction and Genetics, 2016, 33, 1691-1692.	1.2	42
106	CRISPR/Cas9-mediated mutation revealed cytoplasmic tail is dispensable for IZUMO1 function and male fertility. Reproduction, 2016, 152, 665-672.	1.1	14
107	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.	2.0	35
108	CABYR is essential for fibrous sheath integrity and progressive motility in mouse spermatozoa. Journal of Cell Science, 2016, 129, 4379-4387.	1.2	36

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109	Recent Developments in Stallion Semen Preservation. <i>Journal of Equine Veterinary Science</i> , 2016, 43, S29-S36.	0.4	21
110	Penicillamine prevents ram sperm agglutination in media that support capacitation. <i>Reproduction</i> , 2016, 151, 167-177.	1.1	16
111	D-penicillamine prevents ram sperm agglutination by reducing the disulphide bonds of a copper-binding sperm protein. <i>Reproduction</i> , 2016, 151, 491-500.	1.1	7
112	Causes and consequences of oxidative stress in spermatozoa. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1.	0.1	277
113	A novel antioxidant formulation designed to treat male infertility associated with oxidative stress: promising preclinical evidence from animal models. <i>Human Reproduction</i> , 2016, 31, 252-262.	0.4	86
114	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
115	Lessons learned in Andrology: revelations on a road less traveled. <i>Andrology</i> , 2015, 3, 805-808.	1.9	0
116	Sperm <sc>DNA</sc> fragmentation abnormalities in men from couples with a history of recurrent miscarriage. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2015, 55, 379-383.	0.4	46
117	Inventory of Engineered Nanoparticle-Containing Consumer Products Available in the Singapore Retail Market and Likelihood of Release into the Aquatic Environment. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 8717-8743.	1.2	70
118	CRISPR/Cas9-Mediated Rapid Generation of Multiple Mouse Lines Identified Ccdc63 as Essential for Spermiogenesis. <i>International Journal of Molecular Sciences</i> , 2015, 16, 24732-24750.	1.8	51
119	Phosphorylation of Izumo1 and Its Role in Male Infertility. <i>Asian Journal of Andrology</i> , 2015, 17, 708-10.	0.8	9
120	Characterization of an L-Amino Acid Oxidase in Equine Spermatozoa1. <i>Biology of Reproduction</i> , 2015, 92, 125.	1.2	45
121	Boronate probes for the detection of hydrogen peroxide release from human spermatozoa. <i>Free Radical Biology and Medicine</i> , 2015, 81, 69-76.	1.3	39
122	Oxidative DNA damage in mouse sperm chromosomes: Size matters. <i>Free Radical Biology and Medicine</i> , 2015, 89, 993-1002.	1.3	30
123	Investigation of the stallion sperm proteome by mass spectrometry. <i>Reproduction</i> , 2015, 149, 235-244.	1.1	67
124	Novel characterization of the HSPA2-stabilizing protein BAG6 in human spermatozoa. <i>Molecular Human Reproduction</i> , 2015, 21, 755-769.	1.3	42
125	Damage to Sperm DNA Mediated by Reactive Oxygen Species: Its Impact on Human Reproduction and the Health Trajectory of Offspring. <i>Advances in Experimental Medicine and Biology</i> , 2015, 868, 23-47.	0.8	57
126	Accumulation of Electrophilic Aldehydes During Postovulatory Aging of Mouse Oocytes Causes Reduced Fertility, Oxidative Stress, and Apoptosis1. <i>Biology of Reproduction</i> , 2015, 92, 33.	1.2	49

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127	The multi-facets of sustainable nanotechnology – Lessons from a nanosafety symposium. <i>Nanotoxicology</i> , 2015, 9, 404-406.	1.6	7
128	Human spermatozoa possess an IL4I1 l-amino acid oxidase with a potential role in sperm function. <i>Reproduction</i> , 2015, 149, 587-596.	1.1	40
129	Oxidative stress and human spermatozoa: diagnostic and functional significance of aldehydes generated as a result of lipid peroxidation. <i>Molecular Human Reproduction</i> , 2015, 21, 502-515.	1.3	160
130	Glycogen synthase kinase 3 regulates acrosomal exocytosis in mouse spermatozoa via dynamin phosphorylation. <i>FASEB Journal</i> , 2015, 29, 2872-2882.	0.2	22
131	L-Carnitine and Pyruvate Are Prosurvival Factors During the Storage of Stallion Spermatozoa at Room Temperature. <i>Biology of Reproduction</i> , 2015, 93, 104.	1.2	66
132	Fertilization stimulates 8-hydroxy-2-deoxyguanosine repair and antioxidant activity to prevent mutagenesis in the embryo. <i>Developmental Biology</i> , 2015, 406, 1-13.	0.9	74
133	The impact of oxidative stress on chaperone-mediated human sperm-egg interaction. <i>Human Reproduction</i> , 2015, 30, 2597-2613.	0.4	88
134	Cytotoxic effects of membrane lipid peroxidation products on human spermatozoa. <i>Fertility and Sterility</i> , 2015, 104, e146.	0.5	3
135	Fertilix, a novel antioxidant formulation designed to treat male infertility emanating from sperm oxidative DNA damage: promising preclinical evidence from mouse models. <i>Fertility and Sterility</i> , 2015, 104, e148.	0.5	0
136	Stallion fertility: A focus on the spermatozoon. <i>Equine Veterinary Journal</i> , 2015, 47, 16-24.	0.9	42
137	Proteomic Characterization of Pig Sperm Anterior Head Plasma Membrane Reveals Roles of Acrosomal Proteins in ZP3 Binding. <i>Journal of Cellular Physiology</i> , 2015, 230, 449-463.	2.0	32
138	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.	0.8	59
139	Remodeling of the plasma membrane in preparation for sperm-egg recognition: roles of acrosomal proteins. <i>Asian Journal of Andrology</i> , 2015, 17, 574.	0.8	22
140	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
141	Advantages of using the CRISPR/Cas9 system of genome editing to investigate male reproductive mechanisms using mouse models. <i>Asian Journal of Andrology</i> , 2015, 17, 623.	0.8	11
142	Oxidative stress and male reproductive health. <i>Asian Journal of Andrology</i> , 2014, 16, 31.	0.8	427
143	Nanotechnology and Exposure Scenarios. , 2014, , 17-58.		6
144	Age, the environment and our reproductive future: bonking baby boomers and the future of sex. <i>Reproduction</i> , 2014, 147, S1-S11.	1.1	36

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145	Paternal Obesity, Interventions, and Mechanistic Pathways to Impaired Health in Offspring. <i>Annals of Nutrition and Metabolism</i> , 2014, 64, 231-238.	1.0	86
146	The Paradoxical Relationship Between Stallion Fertility and Oxidative Stress ¹ . <i>Biology of Reproduction</i> , 2014, 91, 77.	1.2	171
147	Potential importance of transition metals in the induction of DNA damage by sperm preparation media. <i>Human Reproduction</i> , 2014, 29, 2136-2147.	0.4	81
148	The John Hughes Memorial Lecture: Aspects of Sperm Physiology and Oxidative Stress and the Functionality of Stallion Spermatozoa. <i>Journal of Equine Veterinary Science</i> , 2014, 34, 17-27.	0.4	12
149	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
150	Analysis of the occupational, consumer and environmental exposure to engineered nanomaterials used in 10 technology sectors. <i>Nanotoxicology</i> , 2013, 7, 1152-1156.	1.6	44
151	The impact of sperm DNA damage in assisted conception and beyond: recent advances in diagnosis and treatment. <i>Reproductive BioMedicine Online</i> , 2013, 27, 325-337.	1.1	228
152	Oxidative stress, spermatozoa and leukocytic infiltration: relationships forged by the opposing forces of microbial invasion and the search for perfection. <i>Journal of Reproductive Immunology</i> , 2013, 100, 11-19.	0.8	67
153	Sperm capacitation: a distant landscape glimpsed but unexplored. <i>Molecular Human Reproduction</i> , 2013, 19, 785-793.	1.3	171
154	Analysis of the global methylation status of human spermatozoa and its association with the tendency of these cells to enter apoptosis. <i>Andrologia</i> , 2013, 45, 424-429.	1.0	33
155	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
156	Head and flagella subcompartmental proteomic analysis of human spermatozoa. <i>Proteomics</i> , 2013, 13, 61-74.	1.3	115
157	Functional deletion of Txndc2 and Txndc3 increases the susceptibility of spermatozoa to age-related oxidative stress. <i>Free Radical Biology and Medicine</i> , 2013, 65, 872-881.	1.3	63
158	Post-ejaculatory changes in the metabolic status of rat spermatozoa as measured by GC-MS. <i>Metabolomics</i> , 2013, 9, 708-721.	1.4	1
159	On methods for the detection of reactive oxygen species generation by human spermatozoa: analysis of the cellular responses to catechol oestrogen, lipid aldehyde, menadione and arachidonic acid. <i>Andrology</i> , 2013, 1, 192-205.	1.9	98
160	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
161	Unexplained antepartum stillbirth: A consequence of placental aging?. <i>Placenta</i> , 2013, 34, 310-313.	0.7	47
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