

Stephen D Johnston

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

716
citations

14
h-index

23
g-index

81
ext. papers

943
ext. citations

3.9
avg, IF

4.08
L-index

#	Paper	IF	Citations
73	Sperm DNA fragmentation and its relevance to men with spinal cord injury 2022 , 93-104		0
72	Antibiotic toxicity on human spermatozoa assessed using the sperm DNA fragmentation dynamic assay. <i>Andrologia</i> , 2021 , e14328	2.4	1
71	Investigation of pathology associated with Chlamydia pecorum infection in the male reproductive tract, and the effect on spermatogenesis and semen quality in the koala (<i>Phascolarctos cinereus</i>).. <i>Theriogenology</i> , 2021 , 180, 30-39	2.8	0
70	Microencapsulation of human spermatozoa increases membrane stability and DNA longevity. <i>Andrologia</i> , 2021 , 53, e13924	2.4	1
69	The effect of Chlamydia infection on koala (<i>Phascolarctos cinereus</i>) semen quality. <i>Theriogenology</i> , 2021 , 167, 99-110	2.8	2
68	Free circulating DNA and DNase activity in the ejaculates of men with spinal cord injury. <i>Spinal Cord</i> , 2021 , 59, 167-174	2.7	
67	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
66	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
65	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
64	Proteomic analysis of koala (<i>phascolarctos cinereus</i>) spermatozoa and prostatic bodies. <i>Proteomics</i> , 2021 , 21, e2100067	4.8	1
63	Koala retrovirus genetic diversity and transmission dynamics within captive koala populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
62	DNase activity in human seminal plasma and follicular fluid and its inhibition by follicular fluid chelating agents. <i>Reproductive BioMedicine Online</i> , 2021 , 43, 1079-1086	4	
61	Plasma progesterone secretion during gestation of the captive short-beaked echidna. <i>Reproduction</i> , 2021 , 162, 267-275	3.8	0
60	Platypus and echidna genomes reveal mammalian biology and evolution. <i>Nature</i> , 2021 , 592, 756-762	50.4	28
59	The Unique Penile Morphology of the Short-Beaked Echidna, <i>Tachyglossus aculeatus</i> . <i>Sexual Development</i> , 2021 , 15, 262-271	1.6	
58	Cumulus Cell DNA Damage as an Index of Human Oocyte Competence.. <i>Reproductive Sciences</i> , 2021 , 1	3	1
57	DNA fragmentation of human spermatozoa: Simple assessment of single- and double-strand DNA breaks and their respective dynamic behavioral response. <i>Andrology</i> , 2020 , 8, 1287-1303	4.2	1

56	The occurrence and pathology of chlamydiosis in the male reproductive tract of non-human mammals: A review. <i>Theriogenology</i> , 2020 , 154, 152-160	2.8	1
55	The incidence and etiology of sperm DNA fragmentation in the ejaculates of males with spinal cord injuries. <i>Spinal Cord</i> , 2020 , 58, 803-810	2.7	5
54	Transient role of the middle ear as a lower jaw support across mammals. <i>ELife</i> , 2020 , 9,	8.9	9
53	Co-incubation of spermatozoa with human follicular fluid reduces sperm DNA fragmentation by mitigating DNase activity in the seminal plasma. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 63-69	3.4	2
52	Assessment of avian sperm DNA fragmentation using the sperm chromatin dispersion assay. <i>Reproduction, Fertility and Development</i> , 2020 , 32, 948-952	1.8	3
51	EPIDEMIOLOGY OF CHLAMYDIA-INDUCED REPRODUCTIVE DISEASE IN MALE KOALAS () FROM SOUTHEAST QUEENSLAND, AUSTRALIA AS ASSESSED FROM PENILE URETHRAL SWABS AND SEMEN. <i>Journal of Wildlife Diseases</i> , 2020 , 56, 82-92	1.3	2
50	Protamine composition of koala and wombat spermatozoa provides new insights into DNA stability following cryopreservation. <i>Reproduction, Fertility and Development</i> , 2019 , 31, 1558-1566	1.8	0
49	Developing noninvasive methodologies to assess koala population health through detecting Chlamydia from scats. <i>Molecular Ecology Resources</i> , 2019 , 19, 957-969	8.4	4
48	Kinematic and head morphometric characterisation of spermatozoa from the Brown Caiman (Caiman crocodilus fuscus). <i>Animal Reproduction Science</i> , 2019 , 207, 9-20	2.1	8
47	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
46	Rapid point-of-care diagnostics for the detection of Chlamydia pecorum in koalas (Phascolarctos cinereus) using loop-mediated isothermal amplification without nucleic acid purification. <i>MicrobiologyOpen</i> , 2019 , 8, e916	3.4	4
45	The piRNA Response to Retroviral Invasion of the Koala Genome. <i>Cell</i> , 2019 , 179, 632-643.e12	56.2	44
44	Using the Koala (Phascolarctos cinereus) as a Case Study to Illustrate the Development of Artificial Breeding Technology in Marsupials: an Update. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1200, 327-362	3.6	1
43	Challenges associated with the development and transfer of assisted breeding technology in marsupials and monotremes: lessons from the koala, wombat and short-beaked echidna. <i>Reproduction, Fertility and Development</i> , 2019 , 31, 1305-1314	1.8	3
42	Association of polymorphisms in genes coding for antioxidant enzymes and human male infertility. <i>Annals of Human Genetics</i> , 2019 , 83, 63-72	2.2	14
41	Evaluating the impact of moulting and chilled storage of spermatophores on the integrity of plasma membrane, acrosome and DNA of black tiger prawn (Penaeus monodon) spermatozoa. <i>Aquaculture Research</i> , 2019 , 50, 226-235	1.9	2
40	Chlamydia pecorum Infection in the Male Reproductive System of Koalas (Phascolarctos cinereus). <i>Veterinary Pathology</i> , 2019 , 56, 300-306	2.8	12
39	Development and application of two multiplex real-time PCR assays for detection and speciation of bacterial pathogens in the koala. <i>Journal of Veterinary Diagnostic Investigation</i> , 2018 , 30, 523-529	1.5	12

38	Ultrasonographic assessment of the male koala (<i>Phascolarctos cinereus</i>) reproductive tract. <i>Research in Veterinary Science</i> , 2018 , 117, 219-223	2.5	4
37	The functional anatomy of external genitalia in the black tiger prawn (<i>Penaeus monodon</i>) studied by micro-computed tomography and scanning electron microscopy. <i>Journal of Morphology</i> , 2018 , 279, 1346-1354	1.6	1
36	A morphological study of the male reproductive tract, post-testicular acrosome maturation and spermatophore formation in the black tiger prawn (<i>Penaeus monodon</i>). <i>Journal of Morphology</i> , 2018 , 279, 1290-1300	1.6	5
35	Sperm Chromatin Dispersion (SCD) Assay 2018 , 137-152		1
34	DNA Damage and Repair in Human Reproductive Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 20,	6.3	54
33	Amphibian Sperm Chromatin Structure and Function and Its Relevance to Sperm Preservation. <i>Journal of Herpetology</i> , 2018 , 52, 486-491	1.1	2
32	Reproductive biology of captive southern hairy-nosed wombats (<i>Lasiorhinus latifrons</i>). Part 1: oestrous cycle characterisation. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 1412-1423	1.8	2
31	Reproductive biology of captive female southern hairy-nosed wombats (<i>Lasiorhinus latifrons</i>). Part 2: oestrous behaviour. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 1424-1433	1.8	1
30	Magnetic-activated cell sorting is not completely effective at reducing sperm DNA fragmentation. <i>Journal of Assisted Reproduction and Genetics</i> , 2018 , 35, 2215-2221	3.4	9
29	Multi-centre assessment of nitroblue tetrazolium reactivity in human semen as a potential marker of oxidative stress. <i>Reproductive BioMedicine Online</i> , 2017 , 34, 513-521	4	19
28	Magnetic cell sorting of semen containing spermatozoa with high DNA fragmentation in ICSI cycles decreases miscarriage rate. <i>Reproductive BioMedicine Online</i> , 2017 , 34, 506-512	4	15
27	New insights into the spermatogenesis of the black tiger prawn, <i>Penaeus monodon</i> . <i>Journal of Morphology</i> , 2017 , 278, 689-703	1.6	9
26	Three-dimensional reconstruction of black tiger prawn (<i>Penaeus monodon</i>) spermatozoa using serial block-face scanning electron microscopy. <i>Journal of Morphology</i> , 2016 , 277, 565-74	1.6	8
25	Reduced sperm DNA longevity is associated with an increased incidence of still born; evidence from a multi-ovulating sequential artificial insemination animal model. <i>Journal of Assisted Reproduction and Genetics</i> , 2016 , 33, 1231-8	3.4	13
24	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
23	Advances in the captive breeding and reproductive biology of the short-beaked echidna (<i>Tachyglossus aculeatus</i>). <i>Australian Journal of Zoology</i> , 2015 , 63, 181	0.5	10
22	Non-invasive urine collection in the female southern hairy-nosed wombat (<i>Lasiorhinus latifrons</i>) with the aid of classical conditioning. <i>Zoo Biology</i> , 2015 , 34, 89-93	1.6	9
21	The Role of Bioacoustic Signals in Koala Sexual Selection: Insights from Seasonal Patterns of Associations Revealed with GPS-Proximity Units. <i>PLoS ONE</i> , 2015 , 10, e0130657	3.7	13

20	Sperm fractions obtained following density gradient centrifugation in human ejaculates show differences in sperm DNA longevity. <i>Asian Pacific Journal of Reproduction</i> , 2014 , 3, 116-120	1.1	7
19	Interpreting sperm DNA damage in a diverse range of mammalian sperm by means of the two-tailed comet assay. <i>Frontiers in Genetics</i> , 2014 , 5, 404	4.5	27
18	Sperm DNA fragmentation and its role in wildlife conservation. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 753, 357-84	3.6	10
17	The koala (<i>Phascolarctos cinereus</i>): a case study in the development of reproductive technology in a marsupial. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 753, 171-203	3.6	7
16	Anthropogenic changes to the landscape resulted in colonization of koalas in north-east New South Wales, Australia. <i>Austral Ecology</i> , 2013 , 38, 355-363	1.5	11
15	Wombat reproduction (Marsupialia; Vombatidae): an update and future directions for the development of artificial breeding technology. <i>Reproduction</i> , 2013 , 145, R157-73	3.8	13
14	The seminiferous epithelial cycle and microanatomy of the koala (<i>Phascolarctos cinereus</i>) and southern hairy-nosed wombat (<i>Lasiiorhinus latifrons</i>) testis. <i>Journal of Anatomy</i> , 2013 , 222, 380-9	2.9	4
13	Can DNA fragmentation of neat or swim-up spermatozoa be used to predict pregnancy following ICSI of fertile oocyte donors?. <i>Asian Journal of Andrology</i> , 2013 , 15, 812-8	2.8	32
12	The effect of chilled storage and cryopreservation on the sperm DNA fragmentation dynamics of a captive population of koalas. <i>Journal of Andrology</i> , 2012 , 33, 1007-15		18
11	Genetic diversity in natural and introduced island populations of koalas in Queensland. <i>Australian Journal of Zoology</i> , 2012 , 60, 303	0.5	14
10	Seasonal reproduction in wild and captive male koala (<i>Phascolarctos cinereus</i>) populations in south-east Queensland. <i>Reproduction, Fertility and Development</i> , 2010 , 22, 695-709	1.8	12
9	Evidence that single-stranded DNA breaks are a normal feature of koala sperm chromatin, while double-stranded DNA breaks are indicative of DNA damage. <i>Reproduction</i> , 2009 , 138, 267-78	3.8	38
8	Individual variability in post-thaw sperm survival in a captive koala population. <i>Cryobiology</i> , 2009 , 59, 69-74	2.7	14
7	Artificial insemination in marsupials. <i>Theriogenology</i> , 2009 , 71, 176-89	2.8	30
6	Successful artificial insemination in the koala (<i>Phascolarctos cinereus</i>) using extended and extended-chilled semen collected by electroejaculation. <i>Biology of Reproduction</i> , 2008 , 78, 661-6	3.9	27
5	Control of the koala (<i>Phascolarctos cinereus</i>) anterior pituitary-gonadal axis with analogues of GnRH. <i>Reproduction, Fertility and Development</i> , 2008 , 20, 598-605	1.8	13
4	Dimethylacetamide can be used as an alternative to glycerol for the successful cryopreservation of koala (<i>Phascolarctos cinereus</i>) spermatozoa. <i>Reproduction, Fertility and Development</i> , 2008 , 20, 724-33	1.8	22
3	The relationship between sperm morphology and chromatin integrity in the koala (<i>Phascolarctos cinereus</i>) as assessed by the Sperm Chromatin Dispersion test (SCDt). <i>Journal of Andrology</i> , 2007 , 28, 891-9		33

- 2 Use of a GnRH agonist and hCG to obtain an index of testosterone secretory capacity in the koala (*Phascolarctos cinereus*). *Journal of Andrology*, **2006**, 27, 720-4 14
- 1 Research Article Genetic sex test for the short-beaked echidna (*Tachyglossus aculeatus*). *Conservation Genetics Resources*, 1 0.8