

# Stephen D Johnston

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2533659/stephen-d-johnston-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	DNA Damage and Repair in Human Reproductive Cells. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 20,	6.3	54
72	The piRNA Response to Retroviral Invasion of the Koala Genome. <i>Cell</i> , <b>2019</b> , 179, 632-643.e12	56.2	44
71	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> , <b>2009</b> , 138, 267-78	3.8	38
70	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> , <b>2007</b> , 28, 891-9		33
69	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> , <b>2013</b> , 15, 812-8	2.8	32
68	Artificial insemination in marsupials. <i>Theriogenology</i> , <b>2009</b> , 71, 176-89	2.8	30
67	Platypus and echidna genomes reveal mammalian biology and evolution. <i>Nature</i> , <b>2021</b> , 592, 756-762	50.4	28
66	Interpreting sperm DNA damage in a diverse range of mammalian sperm by means of the two-tailed comet assay. <i>Frontiers in Genetics</i> , <b>2014</b> , 5, 404	4.5	27
65	Successful artificial insemination in the koala ( <i>Phascolarctos cinereus</i> ) using extended and extended-chilled semen collected by electroejaculation. <i>Biology of Reproduction</i> , <b>2008</b> , 78, 661-6	3.9	27
64	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> , <b>2008</b> , 20, 724-33	1.8	22
63	Multi-centre assessment of nitroblue tetrazolium reactivity in human semen as a potential marker of oxidative stress. <i>Reproductive BioMedicine Online</i> , <b>2017</b> , 34, 513-521	4	19
62	The effect of chilled storage and cryopreservation on the sperm DNA fragmentation dynamics of a captive population of koalas. <i>Journal of Andrology</i> , <b>2012</b> , 33, 1007-15		18
61	Magnetic cell sorting of semen containing spermatozoa with high DNA fragmentation in ICSI cycles decreases miscarriage rate. <i>Reproductive BioMedicine Online</i> , <b>2017</b> , 34, 506-512	4	15
60	Modification of Crocodile Spermatozoa Refutes the Tenet That Post-testicular Sperm Maturation Is Restricted To Mammals. <i>Molecular and Cellular Proteomics</i> , <b>2019</b> , 18, S58-S76	7.6	15
59	Individual variability in post-thaw sperm survival in a captive koala population. <i>Cryobiology</i> , <b>2009</b> , 59, 69-74	2.7	14
58	Genetic diversity in natural and introduced island populations of koalas in Queensland. <i>Australian Journal of Zoology</i> , <b>2012</b> , 60, 303	0.5	14
57	Use of a GnRH agonist and hCG to obtain an index of testosterone secretory capacity in the koala ( <i>Phascolarctos cinereus</i> ). <i>Journal of Andrology</i> , <b>2006</b> , 27, 720-4		14

56	Association of polymorphisms in genes coding for antioxidant enzymes and human male infertility. <i>Annals of Human Genetics</i> , <b>2019</b> , 83, 63-72	2.2	14
55	The Role of Bioacoustic Signals in Koala Sexual Selection: Insights from Seasonal Patterns of Associations Revealed with GPS-Proximity Units. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130657	3.7	13
54	Wombat reproduction (Marsupialia; Vombatidae): an update and future directions for the development of artificial breeding technology. <i>Reproduction</i> , <b>2013</b> , 145, R157-73	3.8	13
53	Control of the koala ( <i>Phascolarctos cinereus</i> ) anterior pituitary-gonadal axis with analogues of GnRH. <i>Reproduction, Fertility and Development</i> , <b>2008</b> , 20, 598-605	1.8	13
52	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> , <b>2016</b> , 33, 1231-8	3.4	13
51	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> , <b>2018</b> , 30, 523-529	1.5	12
50	Seasonal reproduction in wild and captive male koala ( <i>Phascolarctos cinereus</i> ) populations in south-east Queensland. <i>Reproduction, Fertility and Development</i> , <b>2010</b> , 22, 695-709	1.8	12
49	<i>Chlamydia pecorum</i> Infection in the Male Reproductive System of Koalas ( <i>Phascolarctos cinereus</i> ). <i>Veterinary Pathology</i> , <b>2019</b> , 56, 300-306	2.8	12
48	Anthropogenic changes to the landscape resulted in colonization of koalas in north-east New South Wales, Australia. <i>Austral Ecology</i> , <b>2013</b> , 38, 355-363	1.5	11
47	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> , <b>2016</b> , 283,	4.4	11
46	Advances in the captive breeding and reproductive biology of the short-beaked echidna ( <i>Tachyglossus aculeatus</i> ). <i>Australian Journal of Zoology</i> , <b>2015</b> , 63, 181	0.5	10
45	Sperm DNA fragmentation and its role in wildlife conservation. <i>Advances in Experimental Medicine and Biology</i> , <b>2014</b> , 753, 357-84	3.6	10
44	New insights into the spermatogenesis of the black tiger prawn, <i>Penaeus monodon</i> . <i>Journal of Morphology</i> , <b>2017</b> , 278, 689-703	1.6	9
43	Non-invasive urine collection in the female southern hairy-nosed wombat ( <i>Lasiiorhinus latifrons</i> ) with the aid of classical conditioning. <i>Zoo Biology</i> , <b>2015</b> , 34, 89-93	1.6	9
42	Transient role of the middle ear as a lower jaw support across mammals. <i>ELife</i> , <b>2020</b> , 9,	8.9	9
41	Magnetic-activated cell sorting is not completely effective at reducing sperm DNA fragmentation. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2018</b> , 35, 2215-2221	3.4	9
40	Kinematic and head morphometric characterisation of spermatozoa from the Brown Caiman ( <i>Caiman crocodilus fuscus</i> ). <i>Animal Reproduction Science</i> , <b>2019</b> , 207, 9-20	2.1	8
39	Three-dimensional reconstruction of black tiger prawn ( <i>Penaeus monodon</i> ) spermatozoa using serial block-face scanning electron microscopy. <i>Journal of Morphology</i> , <b>2016</b> , 277, 565-74	1.6	8

38	Sperm fractions obtained following density gradient centrifugation in human ejaculates show differences in sperm DNA longevity. <i>Asian Pacific Journal of Reproduction</i> , <b>2014</b> , 3, 116-120	1.1	7
37	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> , <b>2014</b> , 753, 171-203	3.6	7
36	The incidence and etiology of sperm DNA fragmentation in the ejaculates of males with spinal cord injuries. <i>Spinal Cord</i> , <b>2020</b> , 58, 803-810	2.7	5
35	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> , <b>2018</b> , 279, 1290-1300	1.6	5
34	Developing noninvasive methodologies to assess koala population health through detecting <i>Chlamydia</i> from scats. <i>Molecular Ecology Resources</i> , <b>2019</b> , 19, 957-969	8.4	4
33	Ultrasonographic assessment of the male koala ( <i>Phascolarctos cinereus</i> ) reproductive tract. <i>Research in Veterinary Science</i> , <b>2018</b> , 117, 219-223	2.5	4
32	Rapid point-of-care diagnostics for the detection of <i>Chlamydia pecorum</i> in koalas ( <i>Phascolarctos cinereus</i> ) using loop-mediated isothermal amplification without nucleic acid purification. <i>MicrobiologyOpen</i> , <b>2019</b> , 8, e916	3.4	4
31	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> , <b>2013</b> , 222, 380-9	2.9	4
30	Assessment of avian sperm DNA fragmentation using the sperm chromatin dispersion assay. <i>Reproduction, Fertility and Development</i> , <b>2020</b> , 32, 948-952	1.8	3
29	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> , <b>2019</b> , 31, 1305-1314	1.8	3
28	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> , <b>2020</b> , 37, 63-69	3.4	2
27	The effect of <i>Chlamydia</i> infection on koala ( <i>Phascolarctos cinereus</i> ) semen quality. <i>Theriogenology</i> , <b>2021</b> , 167, 99-110	2.8	2
26	Evaluating the impact of moulting and chilled storage of spermatophores on the integrity of plasma membrane, acrosome and DNA of black tiger prawn ( <i>Penaeus monodon</i> ) spermatozoa. <i>Aquaculture Research</i> , <b>2019</b> , 50, 226-235	1.9	2
25	Gross and microanatomy of the male reproductive duct system of the saltwater crocodile <i>Crocodylus porosus</i> . <i>Reproduction, Fertility and Development</i> , <b>2021</b> ,	1.8	2
24	Amphibian Sperm Chromatin Structure and Function and Its Relevance to Sperm Preservation. <i>Journal of Herpetology</i> , <b>2018</b> , 52, 486-491	1.1	2
23	Reproductive biology of captive southern hairy-nosed wombats ( <i>Lasiiorhinus latifrons</i> ). Part 1: oestrous cycle characterisation. <i>Reproduction, Fertility and Development</i> , <b>2018</b> , 30, 1412-1423	1.8	2
22	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> , <b>2021</b> , 118,	11.5	2
21	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> , <b>2020</b> , 56, 82-92	1.3	2

20	DNA fragmentation of human spermatozoa: Simple assessment of single- and double-strand DNA breaks and their respective dynamic behavioral response. <i>Andrology</i> , <b>2020</b> , 8, 1287-1303	4.2	1
19	The occurrence and pathology of chlamydiosis in the male reproductive tract of non-human mammals: A review. <i>Theriogenology</i> , <b>2020</b> , 154, 152-160	2.8	1
18	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> , <b>2018</b> , 279, 1346-1354	1.6	1
17	Antibiotic toxicity on human spermatozoa assessed using the sperm DNA fragmentation dynamic assay. <i>Andrologia</i> , <b>2021</b> , e14328	2.4	1
16	Microencapsulation of human spermatozoa increases membrane stability and DNA longevity. <i>Andrologia</i> , <b>2021</b> , 53, e13924	2.4	1
15	Using the Koala ( <i>Phascolarctos cinereus</i> ) as a Case Study to Illustrate the Development of Artificial Breeding Technology in Marsupials: an Update. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1200, 327-362	3.6	1
14	Sperm Chromatin Dispersion (SCD) Assay <b>2018</b> , 137-152		1
13	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> , <b>2021</b> ,	1.8	1
12	Assisted breeding technology in the saltwater crocodile <i>Crocodylus porosus</i> : a review and look to the future. <i>Reproduction, Fertility and Development</i> , <b>2021</b> ,	1.8	1
11	Reproductive biology of captive female southern hairy-nosed wombats ( <i>Lasiornhinus latifrons</i> ). Part 2: oestrous behaviour. <i>Reproduction, Fertility and Development</i> , <b>2018</b> , 30, 1424-1433	1.8	1
10	Proteomic analysis of koala ( <i>phascolarctos cinereus</i> ) spermatozoa and prostatic bodies. <i>Proteomics</i> , <b>2021</b> , 21, e2100067	4.8	1
9	Cumulus Cell DNA Damage as an Index of Human Oocyte Competence.. <i>Reproductive Sciences</i> , <b>2021</b> , 1	3	1
8	Protamine composition of koala and wombat spermatozoa provides new insights into DNA stability following cryopreservation. <i>Reproduction, Fertility and Development</i> , <b>2019</b> , 31, 1558-1566	1.8	0
7	Investigation of pathology associated with <i>Chlamydia pecorum</i> infection in the male reproductive tract, and the effect on spermatogenesis and semen quality in the koala ( <i>Phascolarctos cinereus</i> ).. <i>Theriogenology</i> , <b>2021</b> , 180, 30-39	2.8	0
6	Plasma progesterone secretion during gestation of the captive short-beaked echidna. <i>Reproduction</i> , <b>2021</b> , 162, 267-275	3.8	0
5	Sperm DNA fragmentation and its relevance to men with spinal cord injury <b>2022</b> , 93-104		0
4	Free circulating DNA and DNase activity in the ejaculates of men with spinal cord injury. <i>Spinal Cord</i> , <b>2021</b> , 59, 167-174	2.7	
3	DNase activity in human seminal plasma and follicular fluid and its inhibition by follicular fluid chelating agents. <i>Reproductive BioMedicine Online</i> , <b>2021</b> , 43, 1079-1086	4	

2	The Unique Penile Morphology of the Short-Beaked Echidna, <i>Tachyglossus aculeatus</i> . <i>Sexual Development</i> , <b>2021</b> , 15, 262-271	1.6
1	Research Article Genetic sex test for the short-beaked echidna ( <i>Tachyglossus aculeatus</i> ). <i>Conservation Genetics Resources</i> ,1	0.8