

Budhan S Pukazhenth

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55 papers	1,256 citations	20 h-index	34 g-index
58 ext. papers	1,440 ext. citations	2.8 avg, IF	4.29 L-index

#	Paper	IF	Citations
55	Which reproductive technologies are most relevant to studying, managing and conserving wildlife?. <i>Reproduction, Fertility and Development</i> , 2004 , 16, 33	1.8	161
54	The impact and potential etiology of teratospermia in the domestic cat and its wild relatives. <i>Theriogenology</i> , 2006 , 66, 112-21	2.8	101
53	Oocyte metabolism predicts the development of cat embryos to blastocyst in vitro. <i>Molecular Reproduction and Development</i> , 2000 , 56, 163-71	2.6	87
52	Cryopreservation of spermatozoa from wild-born Namibian cheetahs (<i>Acinonyx jubatus</i>) and influence of glycerol on cryosurvival. <i>Cryobiology</i> , 2006 , 52, 169-81	2.7	57
51	Poor centrosomal function of cat testicular spermatozoa impairs embryo development in vitro after intracytoplasmic sperm injection. <i>Biology of Reproduction</i> , 2006 , 75, 252-60	3.9	48
50	Gut microbiome differences between wild and captive black rhinoceros - implications for rhino health. <i>Scientific Reports</i> , 2019 , 9, 7570	4.9	47
49	Ejaculate traits in the Namibian cheetah (<i>Acinonyx jubatus</i>): influence of age, season and captivity. <i>Reproduction, Fertility and Development</i> , 2007 , 19, 370-82	1.8	47
48	Quantity rather than quality in teratospermic males: a histomorphometric and flow cytometric evaluation of spermatogenesis in the domestic cat (<i>Felis catus</i>). <i>Biology of Reproduction</i> , 2004 , 71, 1517-24	2.9	47
47	Paracrine factors from cumulus-enclosed oocytes ensure the successful maturation and fertilization in vitro of denuded oocytes in the cat model. <i>Fertility and Sterility</i> , 2009 , 91, 2051-60	4.8	43
46	Inhibition of domestic cat spermatozoa acrosome reaction and zona pellucida penetration by tyrosine kinase inhibitors. <i>Molecular Reproduction and Development</i> , 1998 , 49, 48-57	2.6	43
45	Effect of 1,2-propanediol versus 1,2-ethanediol on subsequent oocyte maturation, spindle integrity, fertilization, and embryo development in vitro in the domestic cat. <i>Biology of Reproduction</i> , 2004 , 71, 598-604	3.9	41
44	Slow freezing, but not vitrification supports complete spermatogenesis in cryopreserved, neonatal sheep testicular xenografts. <i>PLoS ONE</i> , 2015 , 10, e0123957	3.7	37
43	Impact of anisotonic conditions on structural and functional integrity of cumulus-oocyte complexes at the germinal vesicle stage in the domestic cat. <i>Molecular Reproduction and Development</i> , 2008 , 75, 345-54	2.6	34
42	Cholesterol addition aids the cryopreservation of dromedary camel (<i>Camelus dromedarius</i>) spermatozoa. <i>Theriogenology</i> , 2015 , 83, 168-74	2.8	30
41	Challenges in cryopreservation of clouded leopard (<i>Neofelis nebulosa</i>) spermatozoa. <i>Theriogenology</i> , 2006 , 66, 1790-6	2.8	30
40	In vitro development of domestic cat embryos following intra-cytoplasmic sperm injection with testicular spermatozoa. <i>Theriogenology</i> , 2006 , 66, 1659-63	2.8	28
39	Which reproductive technologies are most relevant to studying, managing and conserving wildlife?. <i>Reproduction, Fertility and Development</i> , 2004 , 16, 33-46	1.8	28

38	Liquid semen storage in elephants (<i>Elephas maximus</i> and <i>Loxodonta africana</i>): species differences and storage optimization. <i>Journal of Andrology</i> , 2011 , 32, 420-31		27
37	Improved sperm cryosurvival in diluents containing amides versus glycerol in the Przewalski's horse (<i>Equus ferus przewalskii</i>). <i>Cryobiology</i> , 2014 , 68, 205-14	2.7	21
36	Oral progestin priming increases ovarian sensitivity to gonadotropin stimulation and improves luteal function in the cat. <i>Biology of Reproduction</i> , 2012 , 87, 137	3.9	20
35	Fundamental studies of the reproductive biology of the endangered persian onager (<i>Equus hemionus onager</i>) result in first wild equid offspring from artificial insemination. <i>Biology of Reproduction</i> , 2013 , 89, 41	3.9	18
34	Lactotransferrin in Asian elephant (<i>Elephas maximus</i>) seminal plasma correlates with semen quality. <i>PLoS ONE</i> , 2013 , 8, e71033	3.7	18
33	Ejaculate traits and sperm cryopreservation in the endangered Baird's tapir (<i>Tapirus bairdii</i>). <i>Journal of Andrology</i> , 2011 , 32, 260-70		17
32	Induced pluripotent stem cells for conserving endangered species?. <i>Nature Methods</i> , 2011 , 8, 805-7	21.6	17
31	An update on semen collection, preservation and artificial insemination in the dromedary camel (<i>Camelus dromedarius</i>). <i>Animal Reproduction Science</i> , 2018 , 194, 11-18	2.1	16
30	Pretreatment of Asian elephant (<i>Elephas maximus</i>) spermatozoa with cholesterol-loaded cyclodextrins and glycerol addition at 4°C improves cryosurvival. <i>Reproduction, Fertility and Development</i> , 2012 , 24, 1134-42	1.8	16
29	Reduced germ cell apoptosis during spermatogenesis in the teratospermic domestic cat. <i>Journal of Andrology</i> , 2009 , 30, 460-8		16
28	Colloid centrifugation of fresh semen improves post-thaw quality of cryopreserved dromedary camel spermatozoa. <i>Animal Reproduction Science</i> , 2018 , 192, 28-34	2.1	15
27	Progestin exposure before gonadotropin stimulation improves embryo development after in vitro fertilization in the domestic cat. <i>Biology of Reproduction</i> , 2010 , 83, 558-67	3.9	15
26	Characterization of Ovarian Steroid Patterns in Female African Lions (<i>Panthera leo</i>), and the Effects of Contraception on Reproductive Function. <i>PLoS ONE</i> , 2015 , 10, e0140373	3.7	15
25	Whole Genome Sequencing and Re-sequencing of the Sable Antelope (<i>Capra sibirica</i>): A Resource for Monitoring Diversity in and Populations. <i>G3: Genes, Genomes, Genetics</i> , 2019 , 9, 1785-1793	3.2	14
24	Evaluation of cholesterol- treated dromedary camel sperm function by heterologous IVF and AI. <i>Animal Reproduction Science</i> , 2016 , 174, 20-28	2.1	12
23	Oocyte quality and estradiol supplementation affect in vitro maturation success in the white-tailed deer (<i>Odocoileus virginianus</i>). <i>Theriogenology</i> , 2010 , 73, 112-9	2.8	12
22	Creatine phosphokinase in domestic cat epididymal spermatozoa. <i>Molecular Reproduction and Development</i> , 2002 , 62, 265-70	2.6	11
21	Reproductive seasonality and sperm cryopreservation in the male tufted deer (<i>Elaphodus cephalophus</i>). <i>Theriogenology</i> , 2016 , 86, 914-923	2.8	10

20	Conservation of spermatogonial stem cell marker expression in undifferentiated felid spermatogonia. <i>Theriogenology</i> , 2016 , 86, 1022-1035.e3	2.8	8
19	Pretreatment with cholesterol-loaded cyclodextrins prevents loss of motility associated proteins during cryopreservation of addra gazelle (<i>Nanger dama ruficollis</i>) spermatozoa. <i>Cryobiology</i> , 2018 , 81, 74-80	2.7	7
18	Saving wild ungulate diversity through enhanced management and sperm cryopreservation. <i>Reproduction, Fertility and Development</i> , 2016 ,	1.8	7
17	Progestin priming before gonadotrophin stimulation and AI improves embryo development and normalises luteal function in the cat. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 360-71	1.8	5
16	Comparison of genomic diversity and structure of sable antelope () in zoos, conservation centers, and private ranches in North America. <i>Evolutionary Applications</i> , 2020 , 13, 2143-2154	4.8	5
15	Influence of Metabolic Status and Diet on Early Pregnant Equine Histotroph Proteome: Preliminary Findings. <i>Journal of Equine Veterinary Science</i> , 2020 , 88, 102938	1.2	4
14	Non-invasive hormonal characterization of the ovarian cycle, pregnancy, and seasonal anestrus of the female addra gazelle (<i>Nanger dama ruficollis</i>). <i>Theriogenology</i> , 2017 , 95, 96-104	2.8	3
13	Dimethyl sulfoxide maintains structure and function of cryopreserved equine endometrial explants. <i>Cryobiology</i> , 2019 , 91, 90-96	2.7	3
12	Hormone-responsive organoids from domestic mare and endangered Przewalski's horse endometrium. <i>Reproduction</i> , 2020 , 160, 819-831	3.8	3
11	Pretreatment of Addra gazelle (<i>Nanger dama ruficollis</i>) spermatozoa with cholesterol-loaded cyclodextrins improves cryosurvival. <i>Cryobiology</i> , 2016 , 73, 388-395	2.7	3
10	A review of in vivo and in vitro studies of the mare endometrium. <i>Animal Reproduction Science</i> , 2020 , 222, 106605	2.1	2
9	Oocyte metabolism predicts the development of cat embryos to blastocyst in vitro 2000 , 56, 163		2
8	Persian onager (<i>Equus hemionus onager</i>) endometrial explant cryopreservation and in vitro culture. <i>Animal Reproduction Science</i> , 2020 , 217, 106459	2.1	1
7	Differential gene expression patterns in spermatozoa from teratospermic and normospermic domestic cats. <i>Animal Reproduction Science</i> , 2021 , 226, 106698	2.1	1
6	CRISP protein expression in semen of the endangered Malayan tapir (<i>Tapirus indicus</i>). <i>Theriogenology</i> , 2021 , 172, 106-115	2.8	1
5	Linkage between fecal androgen and glucocorticoid metabolites, spermaturia, body weight and onset of puberty in male African lions (<i>Panthera leo</i>). <i>PLoS ONE</i> , 2019 , 14, e0217986	3.7	0
4	Insights from the rescue and breeding management of Cuvier's gazelle () through whole-genome sequencing.. <i>Evolutionary Applications</i> , 2022 , 15, 351-364	4.8	0
3	Applying genomics to metapopulation management in North American insurance populations of southern sable antelope (<i>Hippotragus niger niger</i>) and addra gazelle (<i>Nanger dama ruficollis</i>). <i>Global Ecology and Conservation</i> , 2022 , 33, e01969	2.8	0

- 2 Bilateral Intratesticular Spermatoceles in a Critically Endangered Dama Gazelle (). *Case Reports in Veterinary Medicine*, **2020**, 2020, 8810770 0.3
- 1 Influence of Reproductive Status on Equine Serum Proteome: Preliminary Results. *Journal of Equine Veterinary Science*, **2021**, 105, 103724 1.2