Budhan S Pukazhenthi

List of Publications by Year
in descending order

56	1,602	304602	302012
papers	citations	22 h-index	39 g-index

58	58	58	1372
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Which reproductive technologies are most relevant to studying, managing and conserving wildlife?. Reproduction, Fertility and Development, 2004, 16, 33.	0.1	184
2	The impact and potential etiology of teratospermia in the domestic cat and its wild relatives. Theriogenology, 2006, 66, 112-121.	0.9	117
3	Oocyte metabolism predicts the development of cat embryos to blastocyst in vitro. Molecular Reproduction and Development, 2000, 56, 163-171.	1.0	99
4	Gut microbiome differences between wild and captive black rhinoceros â€“ implications for rhino health. Scientific Reports, 2019, 9, 7570.	1.6	97
5	Cryopreservation of spermatozoa from wild-born Namibian cheetahs (Acinonyx jubatus) and influence of glycerol on cryosurvival. Cryobiology, 2006, 52, 169-181.	0.3	64
6	Quantity Rather Than Quality in Teratospermic Males: A Histomorphometric and Flow Cytometric Evaluation of Spermatogenesis in the Domestic Cat (Felis catus)1. Biology of Reproduction, 2004, 71, 1517-1524.	1.2	56
7	Ejaculate traits in the Namibian cheetah (Acinonyx jubatus): influence of age, season and captivity. Reproduction, Fertility and Development, 2007, 19, 370.	0.1	55
8	Poor Centrosomal Function of Cat Testicular Spermatozoa Impairs Embryo Development In Vitro after Intracytoplasmic Sperm Injection1. Biology of Reproduction, 2006, 75, 252-260.	1.2	54
9	Slow Freezing, but Not Vitrification Supports Complete Spermatogenesis in Cryopreserved, Neonatal Sheep Testicular Xenografts. PLoS ONE, 2015, 10, e0123957.	1.1	53
10	Inhibition of domestic cat spermatozoa acrosome reaction and zona pellucida penetration by tyrosine kinase inhibitors. Molecular Reproduction and Development, 1998, 49, 48-57.	1.0	49
11	Which reproductive technologies are most relevant to studying, managing and conserving wildlife?. Reproduction, Fertility and Development, 2004, 16, 33-46.	0.1	47
12	Effect of 1,2-Propanediol Versus 1,2-Ethanediol on Subsequent Oocyte Maturation, Spindle Integrity, Fertilization, and Embryo Development In Vitro in the Domestic Cat1. Biology of Reproduction, 2004, 71, 598-604.	1.2	44
13	Paracrine factors from cumulus-enclosed oocytes ensure the successful maturation and fertilization in vitro of denuded oocytes in the cat model. Fertility and Sterility, 2009, 91, 2051-2060.	0.5	44
14	Impact of anisosmotic conditions on structural and functional integrity of cumulusâ€“oocyte complexes at the germinal vesicle stage in the domestic cat. Molecular Reproduction and Development, 2008, 75, 345-354.	1.0	38
15	Cholesterol addition aids the cryopreservation of dromedary camel (Camelus dromedarius) spermatozoa. Theriogenology, 2015, 83, 168-174.	0.9	35
16	Liquid Semen Storage in Elephants (Elephas maximus and Loxodonta africana): Species Differences and Storage Optimization. Journal of Andrology, 2011, 32, 420-431.	2.0	32
17	Improved sperm cryosurvival in diluents containing amides versus glycerol in the Przewalskiâ€™s horse (Equus ferus przewalskii). Cryobiology, 2014, 68, 205-214.	0.3	31
18	In vitro development of domestic cat embryos following intra-cytoplasmic sperm injection with testicular spermatozoa. Theriogenology, 2006, 66, 1659-1663.	0.9	30

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19	Challenges in cryopreservation of clouded leopard (Neofelis nebulosa) spermatozoa. Theriogenology, 2006, 66, 1790-1796.	0.9	30
20	Lactotransferrin in Asian Elephant (Elephas maximus) Seminal Plasma Correlates with Semen Quality. PLoS ONE, 2013, 8, e71033.	1.1	27
21	An update on semen collection, preservation and artificial insemination in the dromedary camel (Camelus dromedarius). Animal Reproduction Science, 2018, 194, 11-18.	0.5	26
22	Reduced Germ Cell Apoptosis During Spermatogenesis in the Teratospermic Domestic Cat. Journal of Andrology, 2009, 30, 460-468.	2.0	22
23	Ejaculate Traits and Sperm Cryopreservation in the Endangered Baird's Tapir (Tapirus bairdii). Journal of Andrology, 2011, 32, 260-270.	2.0	22
24	Induced pluripotent stem cells for conserving endangered species?. Nature Methods, 2011, 8, 805-807.	9.0	22
25	Fundamental Studies of the Reproductive Biology of the Endangered Persian Onager (Equus hemionus) Tj ETQq1 1 0.784314 rgBT /O 2013, 89, 41.	1.2	22
26	Characterization of Ovarian Steroid Patterns in Female African Lions (Panthera leo), and the Effects of Contraception on Reproductive Function. PLoS ONE, 2015, 10, e0140373.	1.1	22
27	Oral Progestin Priming Increases Ovarian Sensitivity to Gonadotropin Stimulation and Improves Luteal Function in the Cat1. Biology of Reproduction, 2012, 87, 137.	1.2	21
28	Pretreatment of Asian elephant (Elephas maximus) spermatozoa with cholesterol-loaded cyclodextrins and glycerol addition at 4Â°C improves cryosurvival. Reproduction, Fertility and Development, 2012, 24, 1134.	0.1	19
29	Whole Genome Sequencing and Re-sequencing of the Sable Antelope (Hippotragus niger): A Resource for Monitoring Diversity inex Situandin SituPopulations. G3: Genes, Genomes, Genetics, 2019, 9, 1785-1793.	0.8	18
30	Comparison of genomic diversity and structure of sable antelope (Hippotragus niger) in zoos, conservation centers, and private ranches in North America. Evolutionary Applications, 2020, 13, 2143-2154.	1.5	18
31	Progestin Exposure Before Gonadotropin Stimulation Improves Embryo Development after In Vitro Fertilization in the Domestic Cat1. Biology of Reproduction, 2010, 83, 558-567.	1.2	16
32	Colloid centrifugation of fresh semen improves post-thaw quality of cryopreserved dromedary camel spermatozoa. Animal Reproduction Science, 2018, 192, 28-34.	0.5	16
33	Hormone-responsive organoids from domestic mare and endangered Przewalskiâ€™s horse endometrium. Reproduction, 2020, 160, 819-831.	1.1	15
34	Oocyte quality and estradiol supplementation affect in vitro maturation success in the white-tailed deer (Odocoileus virginianus). Theriogenology, 2010, 73, 112-119.	0.9	14
35	Evaluation of cholesterol- treated dromedary camel sperm function by heterologous IVF and AI. Animal Reproduction Science, 2016, 174, 20-28.	0.5	14
36	Pretreatment with cholesterol-loaded cyclodextrins prevents loss of motility associated proteins during cryopreservation of addra gazelle (Nanger dama ruficollis) spermatozoa. Cryobiology, 2018, 81, 74-80.	0.3	14

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37	Creatine phosphokinase in domestic cat epididymal spermatozoa*. Molecular Reproduction and Development, 2002, 62, 265-270.	1.0	12
38	Reproductive seasonality and sperm cryopreservation in the male tufted deer (Elaphodus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (	0.9	12
39	Saving wild ungulate diversity through enhanced management and sperm cryopreservation. Reproduction, Fertility and Development, 2016, 28, 1133.	0.1	11
40	Conservation of spermatogonial stem cell marker expression in undifferentiated felid spermatogonia. Theriogenology, 2016, 86, 1022-1035.e3.	0.9	10
41	Dimethyl sulfoxide maintains structure and function of cryopreserved equine endometrial explants. Cryobiology, 2019, 91, 90-96.	0.3	8
42	Progestin priming before gonadotrophin stimulation and AI improves embryo development and normalises luteal function in the cat. Reproduction, Fertility and Development, 2015, 27, 360.	0.1	7
43	Non-invasive hormonal characterization of the ovarian cycle, pregnancy, and seasonal anestrus of the female addra gazelle (Nanger dama ruficollis). Theriogenology, 2017, 95, 96-104.	0.9	6
44	Linkage between fecal androgen and glucocorticoid metabolites, spermaturia, body weight and onset of puberty in male African lions (Panthera leo). PLoS ONE, 2019, 14, e0217986.	1.1	6
45	A review of in vivo and in vitro studies of the mare endometrium. Animal Reproduction Science, 2020, 222, 106605.	0.5	6
46	Persian onager (Equus hemionus onager) endometrial explant cryopreservation and in vitro culture. Animal Reproduction Science, 2020, 217, 106459.	0.5	6
47	Evaluation of growth, viability, and structural integrity of equine endometrial organoids following cryopreservation. Cryobiology, 2022, 104, 56-62.	0.3	6
48	Pretreatment of Addra gazelle (Nanger dama ruficollis) spermatozoa with cholesterol-loaded cyclodextrins improves cryosurvival. Cryobiology, 2016, 73, 388-395.	0.3	5
49	Influence of Metabolic Status and Diet on Early Pregnant Equine Histotroph Proteome: Preliminary Findings. Journal of Equine Veterinary Science, 2020, 88, 102938.	0.4	5
50	Differential gene expression patterns in spermatozoa from teratospermic and normospermic domestic cats. Animal Reproduction Science, 2021, 226, 106698.	0.5	2
51	CRISP protein expression in semen of the endangered Malayan tapir (Tapirus indicus). Theriogenology, 2021, 172, 106-115.	0.9	2
52	Oocyte metabolism predicts the development of cat embryos to blastocyst in vitro. Molecular Reproduction and Development, 2000, 56, 163-171.	1.0	2
53	Applying genomics to metapopulation management in North American insurance populations of southern sable antelope (Hippotragus niger niger) and addra gazelle (Nanger dama ruficollis). Global Ecology and Conservation, 2022, 33, e01969.	1.0	2
54	Insights from the rescue and breeding management of Cuvierâ€™s gazelle (Gazella cuvieri) through wholeâ€genome sequencing. Evolutionary Applications, 2022, 15, 351-364.	1.5	2

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55	Bilateral Intratesticular Spermatoceles in a Critically Endangered Dama Gazelle (Nanger dama mhorr). Case Reports in Veterinary Medicine, 2020, 2020, 1-3.	0.2	0
56	Influence of Reproductive Status on Equine Serum Proteome: Preliminary Results. Journal of Equine Veterinary Science, 2021, 105, 103724.	0.4	0