

Justine K O brien

List of Publications by Citations

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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.

61
papers

1,274
citations

22
h-index

33
g-index

64
ext. papers

1,467
ext. citations

2.1
avg, IF

4.38
L-index

#	Paper	IF	Citations
61	Developmental capacity, energy metabolism and ultrastructure of mature oocytes from prepubertal and adult sheep. <i>Reproduction, Fertility and Development</i> , 1996 , 8, 1029-37	1.8	107
60	In vitro and in vivo developmental capacity of oocytes from prepubertal and adult sheep. <i>Theriogenology</i> , 1997 , 47, 1433-43	2.8	77
59	Applications and interpretation of computer-assisted sperm analyses and sperm sorting methods in assisted breeding and comparative research. <i>Reproduction, Fertility and Development</i> , 2007 , 19, 709-18	1.8	70
58	Development of sperm sexing and associated assisted reproductive technology for sex preselection of captive bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Reproduction, Fertility and Development</i> , 2006 , 18, 319-29	1.8	68
57	Effect of cryopreservation methods and precryopreservation storage on bottlenose dolphin (<i>Tursiops truncatus</i>) spermatozoa. <i>Biology of Reproduction</i> , 2004 , 70, 1340-8	3.9	53
56	Application of sperm sorting and associated reproductive technology for wildlife management and conservation. <i>Theriogenology</i> , 2009 , 71, 98-107	2.8	46
55	The influence of antioxidant, cholesterol and seminal plasma on the in vitro quality of sorted and non-sorted ram spermatozoa. <i>Theriogenology</i> , 2007 , 67, 217-27	2.8	46
54	Birth of offspring of pre-determined sex after artificial insemination of frozen-thawed, sex-sorted and re-frozen-thawed ram spermatozoa. <i>Theriogenology</i> , 2007 , 67, 391-8	2.8	43
53	Sperm handling in aquatic animals for artificial reproduction. <i>Theriogenology</i> , 2019 , 133, 161-178	2.8	42
52	The reproductive cycle of the Tasmanian devil (<i>Sarcophilus harrisii</i>) and factors associated with reproductive success in captivity. <i>General and Comparative Endocrinology</i> , 2012 , 176, 182-91	3	35
51	The relationship of maternal characteristics and circulating progesterone concentrations with reproductive outcome in the bottlenose dolphin (<i>Tursiops truncatus</i>) after artificial insemination, with and without ovulation induction, and natural breeding. <i>Theriogenology</i> , 2012 , 78, 469-82	2.8	35
50	In vitro characteristics of fresh and frozen-thawed ram spermatozoa after sex sorting and re-freezing. <i>Reproduction, Fertility and Development</i> , 2006 , 18, 867-74	1.8	35
49	Semen collection, characterisation and artificial insemination in the beluga (<i>Delphinapterus leucas</i>) using liquid-stored spermatozoa. <i>Reproduction, Fertility and Development</i> , 2008 , 20, 770-83	1.8	33
48	Comparisons of life-history parameters between free-ranging and captive killer whale (<i>Orcinus orca</i>) populations for application toward species management. <i>Journal of Mammalogy</i> , 2015 , 96, 1055-1070	1.8	31
47	Characterization and longitudinal monitoring of serum androgens and glucocorticoids during normal pregnancy in the killer whale (<i>Orcinus orca</i>). <i>General and Comparative Endocrinology</i> , 2017 , 247, 116-129	3	28
46	In vitro sperm characterization and development of a sperm cryopreservation method using directional solidification in the killer whale (<i>Orcinus orca</i>). <i>Theriogenology</i> , 2011 , 76, 267-79	2.8	28
45	Successful low dose insemination of flow cytometrically sorted ram spermatozoa in sheep. <i>Reproduction in Domestic Animals</i> , 2007 , 42, 648-53	1.6	27

44	Effect of hormone pre-treatment of prepubertal sheep on the production and developmental capacity of oocytes in vitro and in vivo. <i>Reproduction, Fertility and Development</i> , 1997 , 9, 625-31	1.8	25
43	Characterization of estrogens, testosterone, and cortisol in normal bottlenose dolphin (<i>Tursiops truncatus</i>) pregnancy. <i>General and Comparative Endocrinology</i> , 2016 , 226, 102-12	3	25
42	Assessment of in vitro sperm characteristics after flow cytometric sorting of frozen-thawed bull spermatozoa. <i>Theriogenology</i> , 2004 , 62, 958-68	2.8	24
41	Characterization of the estrous cycle in female beluga (<i>Delphinapterus leucas</i>) using urinary endocrine monitoring and transabdominal ultrasound: Evidence of facultative induced ovulation. <i>General and Comparative Endocrinology</i> , 2012 , 175, 389-97	3	22
40	Semen collection, characterization, and cryopreservation in a Magellanic penguin (<i>Spheniscus magellanicus</i>). <i>Zoo Biology</i> , 1999 , 18, 199-214	1.6	22
39	Development and evaluation of deep intra-uterine artificial insemination using cryopreserved sexed spermatozoa in bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Animal Reproduction Science</i> , 2013 , 139, 168-81	2.1	21
38	Deep intra-uterine artificial inseminations using cryopreserved spermatozoa in beluga (<i>Delphinapterus leucas</i>). <i>Theriogenology</i> , 2010 , 74, 989-1001	2.8	21
37	Flow cytometric sorting of non-human primate sperm nuclei. <i>Theriogenology</i> , 2005 , 63, 246-59	2.8	20
36	Non-invasive fecal hormone analysis and behavioral observations for monitoring stress responses in captive western lowland gorillas (<i>Gorilla gorilla gorilla</i>). <i>Zoo Biology</i> , 2005 , 24, 431-445	1.6	20
35	Preservation of beluga (<i>Delphinapterus leucas</i>) spermatozoa using a trehalose-based cryodiluent and directional freezing technology. <i>Reproduction, Fertility and Development</i> , 2010 , 22, 653-63	1.8	19
34	Embryo production from superovulated sheep inseminated with sex-sorted ram spermatozoa. <i>Theriogenology</i> , 2007 , 67, 550-5	2.8	19
33	Altrenogest and progesterone therapy during pregnancy in bottlenose dolphins (<i>Tursiops truncatus</i>) with progesterone insufficiency. <i>Journal of Zoo and Wildlife Medicine</i> , 2012 , 43, 296-308	0.9	18
32	Effects of rate of development of in vitro-produced ovine embryos on sex ratio and in vivo survival after embryo transfer. <i>Theriogenology</i> , 1997 , 48, 1369-1378	2.8	17
31	Androgen and glucocorticoid production in the male killer whale (<i>Orcinus orca</i>): influence of age, maturity, and environmental factors. <i>Andrology</i> , 2017 , 5, 180-190	4.2	16
30	Characterization and longitudinal monitoring of serum progestagens and estrogens during normal pregnancy in the killer whale (<i>Orcinus orca</i>). <i>General and Comparative Endocrinology</i> , 2016 , 236, 83-97	3	16
29	Liquid storage of flow cytometrically sorted ram spermatozoa. <i>Theriogenology</i> , 2004 , 62, 587-605	2.8	15
28	Flow cytometric sorting of fresh and frozen-thawed spermatozoa in the western lowland gorilla (<i>Gorilla gorilla gorilla</i>). <i>American Journal of Primatology</i> , 2005 , 66, 297-315	2.5	15
27	The effect of medroxyprogesterone acetate on behavioural responses of captive female hamadryas baboons (<i>Papio hamadryas</i>). <i>Animal Reproduction Science</i> , 2008 , 108, 412-24	2.1	12

26	Semen characterization, seasonality of production, and in vitro sperm quality after chilled storage and cryopreservation in the king penguin (<i>Aptenodytes patagonicus</i>). <i>Zoo Biology</i> , 2014 , 33, 99-109	1.6	11
25	Reproductive physiology of the female Magellanic penguin (<i>Spheniscus magellanicus</i>): Insights from the study of a zoological colony. <i>General and Comparative Endocrinology</i> , 2016 , 225, 81-94	3	10
24	Gamete rescue in the African black rhinoceros (<i>Diceros bicornis</i>). <i>Theriogenology</i> , 2011 , 76, 1258-65	2.8	10
23	Factors impacting the success of post-mortem sperm rescue in the rhinoceros. <i>Animal Reproduction Science</i> , 2016 , 167, 22-30	2.1	9
22	Characterization and short-term storage of Tasmanian devil sperm collected post-mortem. <i>Theriogenology</i> , 2011 , 76, 705-14	2.8	9
21	Functional capacity and fertilizing longevity of frozen-thawed scimitar-horned oryx (<i>Oryx dammah</i>) spermatozoa in a heterologous in vitro fertilization system. <i>Reproduction, Fertility and Development</i> , 2000 , 12, 413-21	1.8	9
20	The effects of season and devil facial tumour disease on the reproductive physiology of the male Tasmanian devil (<i>Sarcophilus harrisii</i>). <i>Reproduction, Fertility and Development</i> , 2012 , 24, 999-1007	1.8	8
19	Characteristics of high-quality Asian elephant (<i>Elephas maximus</i>) ejaculates and in vitro sperm quality after prolonged chilled storage and directional freezing. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 790-7	1.8	7
18	Sperm sex-sorting and preservation for managing the sex ratio and genetic diversity of the southern white rhinoceros (<i>Ceratotherium simum simum</i>). <i>Animal Reproduction Science</i> , 2015 , 152, 137-53 ²¹	2.1	6
17	Circulating anti-Müllerian hormone concentrations in relation to age and season in male and female beluga (<i>Delphinapterus leucas</i>). <i>Reproduction, Fertility and Development</i> , 2017 , 29, 1642-1652	1.8	5
16	Cryopreservation of epididymal sperm collected postmortem in the Tasmanian devil (<i>Sarcophilus harrisii</i>). <i>Theriogenology</i> , 2012 , 78, 315-25	2.8	5
15	Development and evaluation of electroejaculation techniques in the Tasmanian devil (<i>Sarcophilus harrisii</i>). <i>Reproduction, Fertility and Development</i> , 2012 , 24, 1008-18	1.8	5
14	Chicks produced in the Magellanic penguin (<i>Spheniscus magellanicus</i>) after cloacal insemination of frozen-thawed semen. <i>Zoo Biology</i> , 2016 , 35, 326-38	1.6	5
13	Diagnostic assessment of reproductive status in white-spotted bamboo sharks (<i>Chiloscyllium plagiosum</i>). <i>Animal Reproduction Science</i> , 2018 , 197, 48-57	2.1	4
12	Alkaline phosphatase as an indicator of true ejaculation in the rhinoceros. <i>Theriogenology</i> , 2010 , 74, 1701-8	1.8	4
11	MALE REPRODUCTIVE PHYSIOLOGY AND THE DEVELOPMENT OF ARTIFICIAL INSEMINATION IN THE MAGELLANIC PENGUIN (<i>SPHENISCUS MAGELLANICUS</i>) USING CHILLED-STORED SEMEN. <i>Journal of Zoo and Wildlife Medicine</i> , 2016 , 47, 206-22	0.9	4
10	Longitudinal profiles of relaxin and progestagens during pregnancy, pregnancy loss and false pregnancy in the killer whale (<i>Orcinus orca</i>). <i>General and Comparative Endocrinology</i> , 2018 , 267, 98-108	3	3
9	Reproductive Physiology 2018 , 807-811		2

8	Survivorship pattern inaccuracies and inappropriate anthropomorphism in scholarly pursuits of killer whale () life history: a response to Franks et al. (2016). <i>Journal of Mammalogy</i> , 2016 , 97, 899-905	1.8	2
7	Captive Breeding 2009 , 178-183		2
6	Cryopreservation can assist gene flow on the Great Barrier Reef. <i>Coral Reefs</i> , 1	4.2	1
5	Strategic Gene Banking for Conservation 2019 , 112-146		0
4	Semen collection, characterization, and cryopreservation in a Magellanic penguin (<i>Spheniscus magellanicus</i>) 1999 , 18, 199		0
3	Contributions of Zoo-Based Reproductive Research to Marine Animal Conservation 2019 , 543-557		
2	Importation of Nondomestic Ruminant Semen for Management of Zoological Populations Using Artificial Insemination 2012 , 604-611		
1	Anti-Müllerian hormone in managed African and Asian rhino species. <i>General and Comparative Endocrinology</i> , 2020 , 294, 113487		3