

# Justine K O'brien

## List of Publications by Year in descending order

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63  
papers

1,645  
citations

236833

25  
h-index

302012

39  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1048  
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmental capacity, energy metabolism and ultrastructure of mature oocytes from prepubertal and adult sheep. <i>Reproduction, Fertility and Development</i> , 1996, 8, 1029.	0.1	119
2	In vitro and in vivo developmental capacity of oocytes from prepubertal and adult sheep. <i>Theriogenology</i> , 1997, 47, 1433-1443.	0.9	87
3	Sperm handling in aquatic animals for artificial reproduction. <i>Theriogenology</i> , 2019, 133, 161-178.	0.9	82
4	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.	0.1	80
5	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.	0.1	78
6	Effect of Cryopreservation Methods and Precryopreservation Storage on Bottlenose Dolphin ( <i>Tursiops truncatus</i> ) Spermatozoa. <i>Biology of Reproduction</i> , 2004, 70, 1340-1348.	1.2	64
7	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, 217-227.	0.9	57
8	Application of sperm sorting and associated reproductive technology for wildlife management and conservation. <i>Theriogenology</i> , 2009, 71, 98-107.	0.9	53
9	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, 391-398.	0.9	51
10	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, 469-482.	0.9	46
11	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.	0.1	45
12	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, 182-191.	0.8	44
13	Comparisons of life-history parameters between free-ranging and captive killer whale ( <i>Orcinus orca</i> ). <i>Reproduction, Fertility and Development</i> , 2011, 23, 1055-1070.	0.6	43
14	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.	0.8	43
15	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.	0.1	40
16	Characterization of estrogens, testosterone, and cortisol in normal bottlenose dolphin ( <i>Tursiops truncatus</i> ). <i>Reproduction, Fertility and Development</i> , 2006, 18, 50-55.	0.8	38
17	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, 389-397.	0.8	34
18	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, 267-279.	0.9	33

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19	Successful Low Dose Insemination of Flow Cytometrically Sorted Ram Spermatozoa in Sheep. <i>Reproduction in Domestic Animals</i> , 2007, 42, 648-653.	0.6	31
20	Assessment of in vitro sperm characteristics after flow cytometric sorting of frozen-thawed bull spermatozoa. <i>Theriogenology</i> , 2004, 62, 958-968.	0.9	28
21	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, 168-181.	0.5	28
22	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.	0.1	28
23	Semen collection, characterization, and cryopreservation in a Magellanic penguin ( <i>Spheniscus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 0.5 27	0.5	27
24	Embryo production from superovulated sheep inseminated with sex-sorted ram spermatozoa. <i>Theriogenology</i> , 2007, 67, 550-555.	0.9	27
25	Deep intra-uterine artificial inseminations using cryopreserved spermatozoa in beluga ( <i>Delphinapterus</i> ) Tj ETQq1 1 0.784314 rgBT /Over 0.9 27	0.9	27
26	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.	0.1	26
27	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.	0.5	25
28	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.	1.9	25
29	Flow cytometric sorting of non-human primate sperm nuclei. <i>Theriogenology</i> , 2005, 63, 246-259.	0.9	23
30	ALTRENOGEST AND PROGESTERONE THERAPY DURING PREGNANCY IN BOTTLENOSE DOLPHINS ( <i>TURSIOPS</i> ) Tj ETQq0 0 0 rgBT /Ove 0.3 23 296-308.	0.3	23
31	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.	0.8	23
32	Liquid storage of flow cytometrically sorted ram spermatozoa. <i>Theriogenology</i> , 2004, 62, 587-605.	0.9	20
33	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.	0.9	18
34	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.	0.8	17
35	The effect of medroxyprogesterone acetate on behavioural responses of captive female hamadryas baboons ( <i>Papio hamadryas</i> ). <i>Animal Reproduction Science</i> , 2008, 108, 412-424.	0.5	16
36	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.	0.5	16

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37	Gamete rescue in the African black rhinoceros ( <i>Diceros bicornis</i> ). <i>Theriogenology</i> , 2011, 76, 1258-1265.	0.9	15
38	Factors impacting the success of post-mortem sperm rescue in the rhinoceros. <i>Animal Reproduction Science</i> , 2016, 167, 22-30.	0.5	13
39	The effects of season and devil facial tumour disease on the reproductive physiology of the male Tasmanian devil ( <i>Sarcophilus harrisi</i> ). <i>Reproduction, Fertility and Development</i> , 2012, 24, 999.	0.1	11
40	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.	0.8	11
41	Cryopreservation can assist gene flow on the Great Barrier Reef. <i>Coral Reefs</i> , 2022, 41, 455-462.	0.9	11
42	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.	0.1	10
43	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, 137-153.	0.5	10
44	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.	0.1	10
45	Characterization and short-term storage of Tasmanian devil sperm collected post-mortem. <i>Theriogenology</i> , 2011, 76, 705-714.	0.9	9
46	Chicks produced in the Magellanic penguin ( <i>Spheniscus magellanicus</i> ) after cloacal insemination of frozen-thawed semen. <i>Zoo Biology</i> , 2016, 35, 326-338.	0.5	9
47	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.	0.1	9
48	Longitudinal profiles of relaxin and progesteragens 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.	0.8	8
49	Development and evaluation of electroejaculation techniques in the Tasmanian devil ( <i>Sarcophilus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 0.1 7	0.1	7
50	Diagnostic assessment of reproductive status in white-spotted bamboo sharks ( <i>Chiloscyllium</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 0.5	0.5	7
51	Modelling Genetic Benefits and Financial Costs of Integrating Biobanking into the Captive Management of Koalas. <i>Animals</i> , 2022, 12, 990.	1.0	7
52	Alkaline phosphatase as an indicator of true ejaculation in the rhinoceros. <i>Theriogenology</i> , 2010, 74, 1701-1706.	0.9	6
53	Cryopreservation of epididymal sperm collected postmortem in the Tasmanian devil ( <i>Sarcophilus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 0.9 6	0.9	6
54	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, 206-222.	0.3	6

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55	Reproductive Physiology. , 2018, , 807-811.		4
56	Survivorship pattern inaccuracies and inappropriate anthropomorphism in scholarly pursuits of killer whale ( Orcinus orca ) life history: a response to Franks et al. (2016). Journal of Mammalogy, 2016, 97, 899-905.	0.6	3
57	Captive Breeding. , 2009, , 178-183.		2
58	Anti-Müllerian hormone in managed African and Asian rhino species. General and Comparative Endocrinology, 2020, 294, 113487.	0.8	2
59	Contributions of Zoo-Based Reproductive Research to Marine Animal Conservation. , 2019, , 543-557.		1
60	Strategic Gene Banking for Conservation. , 2019, , 112-146.		1
61	Semen collection, characterization, and cryopreservation in a Magellanic penguin (Spheniscus) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10 0.5		1
62	Importation of Nondomestic Ruminant Semen for Management of Zoological Populations Using Artificial Insemination. , 2012, , 604-611.		0
63	Enzyme Immunoassay Analysis for Androgens in Polar Bear (Ursus maritimus) Urine Using Enzyme Hydrolysis. Aquatic Mammals, 2017, 43, 245-253.	0.4	0