

# Simon P. De Graaf

## 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.

66 papers	1,394 citations	22 h-index	34 g-index
78 ext. papers	1,673 ext. citations	2.7 avg, IF	4.82 L-index

#	Paper	IF	Citations
66	Proteomic characterization and cross species comparison of mammalian seminal plasma. <i>Journal of Proteomics</i> , <b>2013</b> , 91, 13-22	3.9	104
65	Integration of sperm sexing technology into the ART toolbox. <i>Animal Reproduction Science</i> , <b>2004</b> , 82-83, 79-95	2.1	98
64	Proteomes of the Female Genital Tract During the Oestrous Cycle. <i>Molecular and Cellular Proteomics</i> , <b>2016</b> , 15, 93-108	7.6	59
63	Ram seminal plasma proteome and its impact on liquid preservation of spermatozoa. <i>Journal of Proteomics</i> , <b>2014</b> , 109, 245-60	3.9	54
62	Seminal plasma and its effect on ruminant spermatozoa during processing. <i>Reproduction in Domestic Animals</i> , <b>2012</b> , 47 Suppl 4, 207-13	1.6	50
61	Sex selection of sperm in farm animals: status report and developmental prospects. <i>Reproduction</i> , <b>2013</b> , 145, R15-30	3.8	48
60	The influence of antioxidant, cholesterol and seminal plasma on the in vitro quality of sorted and non-sorted ram spermatozoa. <i>Theriogenology</i> , <b>2007</b> , 67, 217-27	2.8	46
59	Proteomic Investigation of Ram Spermatozoa and the Proteins Conferred by Seminal Plasma. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 3700-3711	5.6	45
58	The identification of proteomic markers of sperm freezing resilience in ram seminal plasma. <i>Journal of Proteomics</i> , <b>2015</b> , 126, 303-11	3.9	43
57	Birth of offspring of pre-determined sex after artificial insemination of frozen-thawed, sex-sorted and re-frozen-thawed ram spermatozoa. <i>Theriogenology</i> , <b>2007</b> , 67, 391-8	2.8	43
56	Seminal plasma aids the survival and cervical transit of epididymal ram spermatozoa. <i>Reproduction</i> , <b>2014</b> , 148, 469-78	3.8	40
55	Sperm sexing in sheep and cattle: the exception and the rule. <i>Theriogenology</i> , <b>2009</b> , 71, 89-97	2.8	36
54	Seminal plasma proteomes and sperm fertility. <i>Animal Reproduction Science</i> , <b>2018</b> , 194, 33-40	2.1	35
53	In vitro characteristics of fresh and frozen-thawed ram spermatozoa after sex sorting and re-freezing. <i>Reproduction, Fertility and Development</i> , <b>2006</b> , 18, 867-74	1.8	35
52	Sublethal sperm freezing damage: Manifestations and solutions. <i>Theriogenology</i> , <b>2018</b> , 118, 172-181	2.8	34
51	Cryopreservation and egg yolk medium alter the proteome of ram spermatozoa. <i>Journal of Proteomics</i> , <b>2018</b> , 181, 73-82	3.9	33
50	Application of seminal plasma in sex-sorting and sperm cryopreservation. <i>Theriogenology</i> , <b>2008</b> , 70, 1360-3	2.3	31

49	Variation in seminal plasma alters the ability of ram spermatozoa to survive cryopreservation. <i>Reproduction, Fertility and Development</i> , <b>2016</b> , 28, 516-23	1.8	28
48	Successful low dose insemination of flow cytometrically sorted ram spermatozoa in sheep. <i>Reproduction in Domestic Animals</i> , <b>2007</b> , 42, 648-53	1.6	27
47	Seminal plasma effects on sperm handling and female fertility. <i>Reproduction in Domestic Ruminants</i> , <b>2007</b> , 64, 13-38		26
46	Quercetin reduces the in vitro production of H <sub>2</sub> O <sub>2</sub> during chilled storage of rabbit spermatozoa. <i>Animal Reproduction Science</i> , <b>2014</b> , 151, 208-19	2.1	25
45	Copper-zinc superoxide dismutase deficiency impairs sperm motility and in vivo fertility. <i>Reproduction</i> , <b>2013</b> , 146, 297-304	3.8	24
44	Seminal plasma proteins as markers of sperm fertility. <i>Theriogenology</i> , <b>2019</b> , 137, 30-35	2.8	22
43	Embryo production from superovulated sheep inseminated with sex-sorted ram spermatozoa. <i>Theriogenology</i> , <b>2007</b> , 67, 550-5	2.8	19
42	Repeat ovum pick-up and in vitro embryo production from adult ewes with and without FSH treatment. <i>Reproduction in Domestic Animals</i> , <b>2005</b> , 40, 422-8	1.6	19
41	Quantitative Proteomic Analysis of Seminal Plasma, Sperm Membrane Proteins, and Seminal Extracellular Vesicles Suggests Vesicular Mechanisms Aid in the Removal and Addition of Proteins to the Ram Sperm Membrane. <i>Proteomics</i> , <b>2020</b> , 20, e1900289	4.8	18
40	Influence of supplementing diet with Oleic and Linoleic acid on the freezing ability and sex-sorting parameters of ram semen. <i>Livestock Science</i> , <b>2007</b> , 110, 166-173	1.7	18
39	Germany/Australia index of sperm sex sortability in elephants and rhinoceros. <i>Reproduction in Domestic Animals</i> , <b>2009</b> , 44, 273-7	1.6	17
38	Motility of liquid stored ram spermatozoa is altered by dilution rate independent of seminal plasma concentration. <i>Animal Reproduction Science</i> , <b>2015</b> , 162, 31-6	2.1	16
37	Ram seminal plasma and its functional proteomic assessment. <i>Reproduction</i> , <b>2019</b> , 157, R243-R256	3.8	16
36	Seminal plasma and cryopreservation alter ram sperm surface carbohydrates and interactions with neutrophils. <i>Reproduction, Fertility and Development</i> , <b>2018</b> , 30, 689-702	1.8	15
35	Effects of varying doses of Eherve growth factor on the timing of ovulation, plasma progesterone concentration and corpus luteum size in female alpacas ( <i>Vicugna pacos</i> ). <i>Reproduction, Fertility and Development</i> , <b>2015</b> , 27, 1181-6	1.8	14
34	Binder of Sperm Proteins protect ram spermatozoa from freeze-thaw damage. <i>Cryobiology</i> , <b>2018</b> , 82, 78-87	2.7	13
33	Binder of Sperm Proteins 1 and 5 have contrasting effects on the capacitation of ram spermatozoa. <i>Biology of Reproduction</i> , <b>2018</b> , 98, 765-775	3.9	13
32	Quantitative mRNA expression in ovine blastocysts produced from X- and Y-chromosome bearing sperm, both in vitro and in vivo. <i>Theriogenology</i> , <b>2011</b> , 76, 471-81	2.8	13

31	The fate of spermatozoa in the female reproductive tract: A comparative review. <i>Theriogenology</i> , <b>2019</b> , 137, 104-112	2.8	12
30	Birth of kids after artificial insemination with sex-sorted, frozen-thawed goat spermatozoa. <i>Reproduction in Domestic Animals</i> , <b>2013</b> , 48, 893-8	1.6	12
29	Effect of diluent type, cryoprotectant concentration, storage method and freeze/thaw rates on the post-thaw quality and fertility of cryopreserved alpaca spermatozoa. <i>Scientific Reports</i> , <b>2019</b> , 9, 12826	4.9	11
28	Liquid storage of dromedary camel semen in different extenders. <i>Animal Reproduction Science</i> , <b>2019</b> , 207, 95-106	2.1	11
27	Oestrus synchronisation and superovulation alter the production and biochemical constituents of ovine cervicovaginal mucus. <i>Animal Reproduction Science</i> , <b>2016</b> , 172, 114-22	2.1	11
26	Penicillamine prevents ram sperm agglutination in media that support capacitation. <i>Reproduction</i> , <b>2016</b> , 151, 167-77	3.8	11
25	BODIPY-cholesterol can be reliably used to monitor cholesterol efflux from capacitating mammalian spermatozoa. <i>Scientific Reports</i> , <b>2019</b> , 9, 9804	4.9	11
24	On-farm factors affecting physical quality of Merino wool. 1. Nutrition, reproduction, health and management. <i>Small Ruminant Research</i> , <b>2016</b> , 137, 138-150	1.7	9
23	Investigation of in vitro parameters and in vivo fertility of rabbit spermatozoa after chilled storage. <i>Animal Reproduction Science</i> , <b>2014</b> , 147, 135-43	2.1	9
22	Feasibility of sex-sorting sperm from the white and the black rhinoceros ( <i>Ceratotherium simum</i> , <i>Diceros bicornis</i> ). <i>Theriogenology</i> , <b>2009</b> , 72, 353-64	2.8	9
21	The biological mechanisms regulating sperm selection by the ovine cervix. <i>Reproduction</i> , <b>2019</b> , 158, R1-R18	3.8	9
20	Novel methods to detect capacitation-related changes in spermatozoa. <i>Theriogenology</i> , <b>2019</b> , 137, 56-66	2.8	8
19	Melatonin improves the motility and DNA integrity of frozen-thawed ram spermatozoa likely via suppression of mitochondrial superoxide production. <i>Domestic Animal Endocrinology</i> , <b>2021</b> , 74, 106516	2.3	8
18	Oestrus synchronisation and superovulation alter the cervicovaginal mucus proteome of the ewe. <i>Journal of Proteomics</i> , <b>2017</b> , 155, 1-10	3.9	7
17	Effect of semen collection frequency on the semen characteristics of dromedary camels. <i>Animal Reproduction Science</i> , <b>2018</b> , 197, 145-153	2.1	7
16	Reproductive seasonality of male dromedary camels. <i>Animal Reproduction Science</i> , <b>2019</b> , 202, 10-20	2.1	7
15	The Effect of Sperm Concentration and Storage Vessel on Quercetin-Supplemented Rabbit Semen During Chilled Storage. <i>Reproduction in Domestic Animals</i> , <b>2015</b> , 50, 567-73	1.6	6
14	The relationship of body condition, superoxide dismutase, and superoxide with sperm performance. <i>Behavioral Ecology</i> , <b>2019</b> , 30, 1351-1363	2.3	6

13	Artificial insemination with fresh, liquid stored and frozen thawed semen in dromedary camels. <i>PLoS ONE</i> , <b>2019</b> , 14, e0224992	3.7	6
12	Treatment of rams with melatonin implants in the non-breeding season improves post-thaw sperm progressive motility and DNA integrity. <i>Animal Reproduction Science</i> , <b>2020</b> , 221, 106579	2.1	5
11	Overcoming neuroendocrine and metabolic barriers to puberty: the role of melatonin in advancing puberty in ewe lambs. <i>Domestic Animal Endocrinology</i> , <b>2020</b> , 72, 106457	2.3	5
10	Sperm surface changes and their consequences for sperm transit through the female reproductive tract. <i>Theriogenology</i> , <b>2020</b> , 150, 96-105	2.8	5
9	Review on Sperm Sorting Technologies and Sperm Properties toward New Separation Methods via the Interface of Biochemistry and Material Science. <i>Advanced Biology</i> , <b>2019</b> , 3, e1900079	3.5	4
8	Using transrectal ultrasound to examine the effect of exogenous progesterone on early embryonic loss in sheep. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183659	3.7	4
7	330THE EFFECT OF SHEATH FLUID ON THE QUALITY OF SEX-SORTED RAM SPERMATOZOA. <i>Reproduction, Fertility and Development</i> , <b>2004</b> , 16, 284	1.8	4
6	D-penicillamine prevents ram sperm agglutination by reducing the disulphide bonds of a copper-binding sperm protein. <i>Reproduction</i> , <b>2016</b> , 151, 491-500	3.8	3
5	The effect of sperm and cryoprotectant concentration on the freezing success of sex sorted ram sperm for in vitro fertilization. <i>Theriogenology</i> , <b>2010</b> , 74, 786-94	2.8	3
4	HDL mediates reverse cholesterol transport from ram spermatozoa and induces hyperactivated motility. <i>Biology of Reproduction</i> , <b>2021</b> , 104, 1271-1281	3.9	3
3	From One Ejaculate to Another: Transference of Sperm Traits via Seminal Plasma Supplementation in the Ram. <i>Biology</i> , <b>2020</b> , 9,	4.9	2
2	The seminiferous cycle of the rhinoceros. <i>Animal Reproduction Science</i> , <b>2012</b> , 136, 128-32	2.1	2
1	Factors Affecting the Survival of Ram Spermatozoa during Liquid Storage and Options for Improvement.. <i>Animals</i> , <b>2022</b> , 12,	3.1	2