

Harald Sieme

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

1,676
citations

331670

21
h-index

345221

36
g-index

89
all docs

89
docs citations

89
times ranked

1761
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of anti-MÅ¼llerian hormone in maresâ€™ transitional period related to fertility in elderly mares. <i>Theriogenology</i> , 2022, 179, 97-102.	2.1	0
2	Alginate encapsulation of stallion sperm for increasing storage stability. <i>Animal Reproduction Science</i> , 2022, 238, 106945.	1.5	2
3	No increase in pregnancy rate of mares after preovulatory deep uterine horn application of misoprostol. <i>Theriogenology</i> , 2022, 184, 132-139.	2.1	1
4	Evaluation of an exÂvivo model of the blood-perfused equine uterus. <i>Theriogenology</i> , 2022, 184, 82-91.	2.1	1
5	Hanoverian F/Wâ€line contributes to segregation of Warmblood fragile foal syndrome type 1 variant PLOD1:c.2032G>A in Warmblood horses. <i>Equine Veterinary Journal</i> , 2021, 53, 51-59.	1.7	10
6	Transport processes in equine oocytes and ovarian tissue during loading with cryoprotective solutions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129797.	2.4	5
7	Spectroscopic assessment of oxidative damage in biomolecules and tissues. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 119003.	3.9	9
8	Stored Stallion Sperm Quality Depends on Sperm Preparation Method in INRA82 or INRA96. <i>Journal of Equine Veterinary Science</i> , 2021, 98, 103367.	0.9	2
9	Fourier transform infrared spectroscopy coupled with machine learning classification for identification of oxidative damage in freeze-dried heart valves. <i>Scientific Reports</i> , 2021, 11, 12299.	3.3	6
10	Drying and temperature induced conformational changes of nucleic acids and stallion sperm chromatin in trehalose preservation formulations. <i>Scientific Reports</i> , 2021, 11, 14076.	3.3	4
11	high-throughput droplet vitrification of stallion sperm using permeating cryoprotective agents. <i>Cryobiology</i> , 2021, 101, 67-77.	0.7	8
12	Loading equine oocytes with cryoprotective agents captured with a finite element method model. <i>Scientific Reports</i> , 2021, 11, 19812.	3.3	2
13	Cryopreservation of Semen from Domestic Livestock: Bovine, Equine, and Porcine Sperm. <i>Methods in Molecular Biology</i> , 2021, 2180, 365-377.	0.9	6
14	Towards increasing stallion sperm longevity by storage at subzero temperatures in the absence of ice. <i>Journal of Equine Veterinary Science</i> , 2021, 108, 103802.	0.9	0
15	Breed and stallion effects on frozen-thawed semen in warmblood, light and quarter horses. <i>Theriogenology</i> , 2020, 142, 8-14.	2.1	14
16	Active immunisation against GnRH as treatment for unilateral granulosa theca cell tumour in mares. <i>Equine Veterinary Journal</i> , 2020, 53, 740-745.	1.7	4
17	Diagnostic and Treatment Practices of Equine Endometritisâ€™ A Questionnaire. <i>Frontiers in Veterinary Science</i> , 2020, 7, 547.	2.2	9
18	Spectral fingerprinting to evaluate effects of storage conditions on biomolecular structure of filter-dried saliva samples and recovered DNA. <i>Scientific Reports</i> , 2020, 10, 21442.	3.3	10

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19	Increasing storage stability of freeze-dried plasma using trehalose. PLoS ONE, 2020, 15, e0234502.	2.5	13
20	Embryo survival in the oviduct not significantly influenced by major histocompatibility complex social signaling in the horse. Scientific Reports, 2020, 10, 1056.	3.3	1
21	Herbal yeast product, Equi-Strath® [®] , alters the antioxidant status of stallion semen. Animal Reproduction Science, 2019, 208, 106119.	1.5	2
22	Characterization of Equine Parvovirus in Thoroughbred Breeding Horses from Germany. Viruses, 2019, 11, 965.	3.3	24
23	Increase of pregnancy rate after multiple periovulatory inseminations in mares. Tierärztliche Praxis Ausgabe C: Grosstiere - Nutztiere, 2019, 47, 18-24.	0.5	5
24	Spectroscopic monitoring of transport processes during loading of ovarian tissue with cryoprotective solutions. Scientific Reports, 2019, 9, 15577.	3.3	13
25	Factors Affecting the Membrane Permeability Barrier Function of Cells during Preservation Technologies. Langmuir, 2019, 35, 7520-7528.	3.5	22
26	Stallion semen quality depends on major histocompatibility complex matching to teaser mare. Molecular Ecology, 2018, 27, 1025-1035.	3.9	14
27	Determinants of gestation length in Thoroughbred mares on German stud farms. Animal Reproduction Science, 2018, 191, 22-33.	1.5	17
28	Membrane permeabilization of phosphatidylcholine liposomes induced by cryopreservation and vitrification solutions. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 467-474.	2.6	24
29	Storage stability of liposomes stored at elevated subzero temperatures in DMSO/sucrose mixtures. PLoS ONE, 2018, 13, e0199867.	2.5	27
30	Cycle-specific female preferences for visual and non-visual cues in the horse (Equus caballus). PLoS ONE, 2018, 13, e0191845.	2.5	2
31	Birth of healthy calves after intra-follicular transfer (IFOT) of slaughterhouse derived immature bovine oocytes. Theriogenology, 2017, 97, 41-49.	2.1	14
32	Frequent occurrence of nonprimate hepacivirus infections in Thoroughbred breeding horses – A cross-sectional study for the occurrence of infections and potential risk factors. Veterinary Microbiology, 2017, 203, 315-322.	1.9	19
33	Genetic and environmental factors influencing gestation length and parturition conception interval in Hanoverian warmblood. Livestock Science, 2017, 199, 63-68.	1.6	9
34	Quality of seminal fluids varies with type of stimulus at ejaculation. Scientific Reports, 2017, 7, 44339.	3.3	10
35	Hydrogen Bonding Interactions and Enthalpy Relaxation in Sugar/Protein Glasses. Journal of Pharmaceutical Sciences, 2017, 106, 761-769.	3.3	12
36	Induced sub-lethal oxidative damage affects osmotic tolerance and cryosurvival of spermatozoa. Reproduction, Fertility and Development, 2017, 29, 1739.	0.4	9

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37	Stallion Sperm Cryopreservation Using Various Permeating Agents: Interplay Between Concentration and Cooling Rate. <i>Biopreservation and Biobanking</i> , 2017, 15, 422-431.	1.0	23
38	Testicular volumetry and prediction of daily sperm output in stallions by orchidometry and two- and three-dimensional sonography. <i>Theriogenology</i> , 2017, 104, 149-155.	2.1	12
39	Freeze-drying of mammalian cells using trehalose: preservation of DNA integrity. <i>Scientific Reports</i> , 2017, 7, 6198.	3.3	69
40	Combining endocytic and freezing-induced trehalose uptake for cryopreservation of mammalian cells. <i>Biotechnology Progress</i> , 2017, 33, 229-235.	2.6	16
41	Relationships among stallion fertility and semen traits using estimated breeding values of German Warmblood stallions. <i>Theriogenology</i> , 2017, 89, 68-71.	2.1	6
42	MHC-correlated preferences in diestrous female horses (<i>Equus caballus</i>). <i>Theriogenology</i> , 2017, 89, 318-323.e1.	2.1	12
43	Freezing-induced uptake of disaccharides for preservation of chromatin in freeze-dried stallion sperm during accelerated aging. <i>Biology of Reproduction</i> , 2017, 97, 892-901.	2.7	19
44	Major histocompatibility complex-linked social signalling affects female fertility. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171824.	2.6	17
45	High interindividual and intraindividual variation of oxytocin secretion in estrous mares exposed to stallions, but no significant link to mate preferences. <i>Theriogenology</i> , 2016, 86, 2222-2229.	2.1	2
46	Identification of vessel degeneration and endometriosis in the equine endometrium, using narrow-band imaging hysteroscopy. <i>Theriogenology</i> , 2016, 86, 1445-1452.	2.1	2
47	Screening of whole genome sequences identified high-impact variants for stallion fertility. <i>BMC Genomics</i> , 2016, 17, 288.	2.8	21
48	Fourier transform infrared spectroscopic analysis of sperm chromatin structure and DNA stability. <i>Andrology</i> , 2016, 4, 430-441.	3.5	11
49	Analysis of breed effects on semen traits in light horse, warmblood, and draught horse breeds. <i>Theriogenology</i> , 2016, 85, 1375-1381.	2.1	12
50	Freezing-induced uptake of trehalose into mammalian cells facilitates cryopreservation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1400-1409.	2.6	59
51	Effect of Multiple Freezing of Stallion Semen on Sperm Quality and Fertility. <i>Journal of Equine Veterinary Science</i> , 2016, 40, 56-61.	0.9	7
52	Mode of action of cryoprotectants for sperm preservation. <i>Animal Reproduction Science</i> , 2016, 169, 2-5.	1.5	98
53	Equine endometrial vascular pattern changes during the estrous cycle examined by Narrow Band Imaging hysteroscopy. <i>Animal Reproduction Science</i> , 2016, 166, 80-89.	1.5	7
54	Female major histocompatibility complex type affects male testosterone levels and sperm number in the horse (<i>Equus caballus</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150407.	2.6	17

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55	Tolerance of spermatozoa to hypotonic stress: role of membrane fluidity and correlation with cryosurvival. <i>Reproduction, Fertility and Development</i> , 2015, 27, 285.	0.4	11
56	Sperm Membrane Behaviour during Cooling and Cryopreservation. <i>Reproduction in Domestic Animals</i> , 2015, 50, 20-26.	1.4	89
57	Characterization of the equine blood-testis barrier during tubular development in normal and cryptorchid stallions. <i>Theriogenology</i> , 2015, 84, 763-772.	2.1	19
58	Effects of age, parity, and pregnancy abnormalities on foal birth weight and uterine blood flow in the mare. <i>Theriogenology</i> , 2015, 83, 721-729.	2.1	52
59	Influence of transrectal and transabdominal ultrasound examination on salivary cortisol, heart rate, and heart rate variability in mares. <i>Theriogenology</i> , 2015, 83, 749-756.	2.1	20
60	Effects of ground semen collection on weight bearing on hindquarters, libido, and semen parameters in stallions. <i>Theriogenology</i> , 2015, 84, 687-692.e1.	2.1	3
61	Effects of an anabolic steroid (Durateston) on testicular angiogenesis in peripubertal stallions. <i>Theriogenology</i> , 2015, 84, 323-332.	2.1	9
62	Intrafollicular Oocyte Transfer (IFOT) of Abattoir-Derived and In Vitro-Matured Oocytes Results in Viable Blastocysts and Birth of Healthy Calves. <i>Biology of Reproduction</i> , 2015, 92, 150.	2.7	18
63	Implication of <i>FKBP6</i> for Male Fertility in Horses. <i>Reproduction in Domestic Animals</i> , 2015, 50, 195-199.	1.4	11
64	Use of Density Centrifugation for Delayed Cryopreservation of Stallion Sperm: Perform Sperm Selection Directly after Collection or after Storage?. <i>Reproduction in Domestic Animals</i> , 2015, 50, 76-83.	1.4	14
65	Cryopreservation of Semen from Domestic Livestock. <i>Methods in Molecular Biology</i> , 2015, 1257, 277-287.	0.9	18
66	Sperm Cleanup and Centrifugation Processing for Cryopreservation. <i>Methods in Molecular Biology</i> , 2015, 1257, 343-352.	0.9	1
67	Genetic Parameters and Breeding Values for Semen Characteristics in Hanoverian Stallions. <i>Reproduction in Domestic Animals</i> , 2014, 49, 584-587.	1.4	7
68	Genome-Wide Association Study Identifies Phospholipase C zeta 1 (PLCz1) as a Stallion Fertility Locus in Hanoverian Warmblood Horses. <i>PLoS ONE</i> , 2014, 9, e109675.	2.5	21
69	Osmotic Stress and Membrane Phase Changes During Freezing of Stallion Sperm: Mode of Action of Cryoprotective Agents1. <i>Biology of Reproduction</i> , 2013, 88, 68.	2.7	73
70	Use of Fourier transform infrared spectroscopy to determine optimal cooling rates for cryopreservation of cells. <i>Biomedical Spectroscopy and Imaging</i> , 2013, 2, 83-90.	1.2	6
71	Membrane phase behavior during cooling of stallion sperm and its correlation with freezability. <i>Molecular Membrane Biology</i> , 2012, 29, 95-106.	2.0	28
72	Osmotic tolerance and intracellular ion concentrations of bovine sperm are affected by cryopreservation. <i>Theriogenology</i> , 2012, 78, 1312-1320.	2.1	21

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73	Iodixanol density gradient centrifugation for selecting stallion sperm for cold storage and cryopreservation. <i>Animal Reproduction Science</i> , 2012, 133, 184-190.	1.5	20
74	Freezing-induced removal of water from phospholipid head groups in biomembranes. <i>Biomedical Spectroscopy and Imaging</i> , 2012, 1, 293-302.	1.2	6
75	Optimal concentrations of cryoprotective agents for semen from stallions that are classified "good" or "poor" for freezing. <i>Animal Reproduction Science</i> , 2011, 125, 112-118.	1.5	63
76	Membrane hydraulic permeability changes during cooling of mammalian cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 642-648.	2.6	43
77	Osmotic properties of stallion sperm subpopulations determined by simultaneous assessment of cell volume and viability. <i>Theriogenology</i> , 2011, 76, 386-391.	2.1	14
78	Liposomes for cryopreservation of bovine sperm. <i>Theriogenology</i> , 2011, 76, 1465-1472.	2.1	55
79	Membrane permeability parameters for freezing of stallion sperm as determined by Fourier transform infrared spectroscopy. <i>Cryobiology</i> , 2010, 61, 115-122.	0.7	69
80	Cryobiological determinants of frozen semen quality, with special reference to stallion. <i>Animal Reproduction Science</i> , 2008, 107, 276-292.	1.5	64
81	Cryopreservation of stallion semen collected from good and poor freezers using a directional freezing device (Harmony CryoCare-Multi Thermal Gradient 516). <i>Animal Reproduction Science</i> , 2005, 89, 291-4.	1.5	7
82	Effects of cushioned centrifugation technique on sperm recovery and sperm quality in stallions with good and poor semen freezability. <i>Animal Reproduction Science</i> , 2005, 89, 294-7.	1.5	21
83	Effect of semen collection practices on sperm characteristics before and after storage and on fertility of stallions. <i>Theriogenology</i> , 2004, 61, 769-784.	2.1	56
84	Application of Techniques for Sperm Selection in Fresh and Frozen-Thawed Stallion Semen. <i>Reproduction in Domestic Animals</i> , 2003, 38, 134-140.	1.4	67
85	Assessing equine sperm-membrane integrity. <i>Andrologia</i> , 2000, 32, 163-167.	2.1	21