

CITATION REPORT

List of articles citing

The increase in phosphorylation levels of serine residues of protein HSP70 during holding time at 17°C is concomitant with a higher cryotolerance of boar spermatozoa

DOI: 10.1371/journal.pone.0090887
PLoS ONE, 2014, 9, e90887.

Source: <https://exaly.com/paper-pdf/57400799/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
52	Boar sperm cryosurvival is better after exposure to seminal plasma from selected fractions than to those from entire ejaculate. <i>Cryobiology</i> , 2014 , 69, 203-10	2.7	40
51	Relationship of sperm small heat-shock protein 10 and voltage-dependent anion channel 2 with semen freezability in boars. <i>Theriogenology</i> , 2014 , 82, 418-26	2.8	34
50	Recent Advances in Boar Sperm Cryopreservation: State of the Art and Current Perspectives. <i>Reproduction in Domestic Animals</i> , 2015 , 50 Suppl 2, 71-9	1.6	60
49	Impact of cryopreservation on bull () semen proteome. <i>Journal of Animal Science</i> , 2015 , 93, 5240-53	0.7	29
48	Acrosin activity is a good predictor of boar sperm freezability. <i>Theriogenology</i> , 2015 , 83, 1525-33	2.8	10
47	Comparative analysis of boar seminal plasma proteome from different freezability ejaculates and identification of Fibronectin 1 as sperm freezability marker. <i>Andrology</i> , 2015 , 3, 345-56	4.2	52
46	Second messengers, steroids and signaling cascades: Crosstalk in sperm development and function. <i>General and Comparative Endocrinology</i> , 2015 , 224, 294-302	3	7
45	Combining reduced glutathione and ascorbic acid has supplementary beneficial effects on boar sperm cryotolerance. <i>Theriogenology</i> , 2015 , 83, 399-407	2.8	31
44	Cryotolerance of stallion spermatozoa is related to ROS production and mitochondrial membrane potential rather than to the integrity of sperm nucleus. <i>Andrology</i> , 2015 , 3, 395-407	4.2	62
43	The benefits of cooling boar semen in long-term extenders prior to cryopreservation on sperm quality characteristics. <i>Reproduction in Domestic Animals</i> , 2016 , 51, 781-8	1.6	7
42	Effect of <i>Pseudomonas aeruginosa</i> on sperm capacitation and protein phosphorylation of boar spermatozoa. <i>Theriogenology</i> , 2016 , 85, 1421-31	2.8	13
41	Triosephosphate isomerase (TPI) and epididymal secretory glutathione peroxidase (GPX5) are markers for boar sperm quality. <i>Animal Reproduction Science</i> , 2016 , 165, 22-30	2.1	18
40	Sperm cryopreservation update: Cryodamage, markers, and factors affecting the sperm freezability in pigs. <i>Theriogenology</i> , 2016 , 85, 47-64	2.8	170
39	Aquaporins in boar spermatozoa. Part II: detection and localisation of aquaglyceroporin 3. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 703-711	1.8	14
38	Artificial insemination with frozen-thawed boar sperm. <i>Molecular Reproduction and Development</i> , 2017 , 84, 802-813	2.6	54
37	Relationship of aquaporins 3 (AQP3), 7 (AQP7), and 11 (AQP11) with boar sperm resilience to withstand freeze-thawing procedures. <i>Andrology</i> , 2017 , 5, 1153-1164	4.2	28
36	Boar variability in sperm cryo-tolerance after cooling of semen in different long-term extenders at various temperatures. <i>Animal Reproduction Science</i> , 2017 , 185, 161-173	2.1	9

35	The addition of reduced glutathione to cryopreservation media induces changes in the structure of motile subpopulations of frozen-thawed boar sperm. <i>Cryobiology</i> , 2017 , 78, 56-64	2.7	18
34	Impact of holding and equilibration time on post-thaw quality of shipped boar semen. <i>Animal Reproduction Science</i> , 2017 , 187, 109-115	2.1	5
33	Relationship between HSP90a, NPC2 and L-PGDS proteins to boar semen freezability. <i>Journal of Animal Science and Biotechnology</i> , 2017 , 8, 21	6	18
32	Aminopurvalanol A, a Potent, Selective, and Cell Permeable Inhibitor of Cyclins/Cdk Complexes, Causes the Reduction of Fertilizing Ability of Boar Spermatozoa, by Negatively Affecting the Capacitation-Dependent Actin Polymerization. <i>Frontiers in Physiology</i> , 2017 , 8, 1097	4.6	5
31	Aquaporin 11 is related to cryotolerance and fertilising ability of frozen-thawed bull spermatozoa. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 1099-1108	1.8	16
30	Supplementation of freezing/thawing media with GSK3 inhibitor alsterpaullone does not bypass the harmful effect of cryopreservation on boar spermatozoa. <i>Animal Reproduction Science</i> , 2018 , 196, 176-183	2.1	1
29	Addition of insulin-like growth factor I (IGF-I) and reduced glutathione (GSH) to cryopreserved boar semen. <i>Animal Reproduction Science</i> , 2019 , 208, 106130	2.1	3
28	GSTM3, but not IZUMO1, is a cryotolerance marker of boar sperm. <i>Journal of Animal Science and Biotechnology</i> , 2019 , 10, 61	6	13
27	Aquaglyceroporins but not orthodox aquaporins are involved in the cryotolerance of pig spermatozoa. <i>Journal of Animal Science and Biotechnology</i> , 2019 , 10, 77	6	13
26	Potential of seminal plasma to improve the fertility of frozen-thawed boar spermatozoa. <i>Theriogenology</i> , 2019 , 137, 36-42	2.8	20
25	Cryopreservation and quality assessment of boar semen collected from bulk samples. <i>Veterinarni Medicina</i> , 2019 , 64, 209-216	0.7	3
24	Cryotolerance of Stallion Spermatozoa Relies on Aquaglyceroporins rather than Orthodox Aquaporins. <i>Biology</i> , 2019 , 8,	4.9	7
23	Effect of AQP Inhibition on Boar Sperm Cryotolerance Depends on the Intrinsic Freezability of the Ejaculate. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
22	The ideal holding time for boar semen is 24 h at 17 °C prior to short-cryopreservation protocols. <i>Cryobiology</i> , 2019 , 86, 58-64	2.7	10
21	Relative content of Niemann-Pick C2 protein (NPC2) in seminal plasma, but not that of spermadhesin AQN-1, is related to boar sperm cryotolerance. <i>Theriogenology</i> , 2020 , 145, 181-189	2.8	4
20	Single Layer Centrifugation Improves the Quality of Fresh Donkey Semen and Modifies the Sperm Ability to Interact with Polymorphonuclear Neutrophils. <i>Animals</i> , 2020 , 10,	3.1	1
19	Red LED Light Acts on the Mitochondrial Electron Chain of Mammalian Sperm via Light-Time Exposure-Dependent Mechanisms. <i>Cells</i> , 2020 , 9,	7.9	2
18	Effects of different equilibration times at 5 °C on boar sperm cryotolerance. <i>Animal Reproduction Science</i> , 2020 , 219, 106547	2.1	4

17	Protein signatures of seminal plasma from bulls with contrasting frozen-thawed sperm viability. <i>Scientific Reports</i> , 2020 , 10, 14661	4.9	10
16	Effect of different glycerol concentrations on phosphatidylserine translocation and mitochondrial membrane potential in chilled boar spermatozoa. <i>Cryobiology</i> , 2020 , 95, 97-102	2.7	1
15	Glutathione S-Transferases Play a Crucial Role in Mitochondrial Function, Plasma Membrane Stability and Oxidative Regulation of Mammalian Sperm. <i>Antioxidants</i> , 2020 , 9,	7.1	9
14	HVCN1 but Not Potassium Channels Are Related to Mammalian Sperm Cryotolerance. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
13	Complete Chromatin Decondensation of Pig Sperm Is Required to Analyze Sperm DNA Breaks With the Comet Assay. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 675973	5.7	2
12	Aquaporins Are Essential to Maintain Motility and Membrane Lipid Architecture During Mammalian Sperm Capacitation. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 656438	5.7	2
11	The TUNEL assay underestimates the incidence of DNA damage in pig sperm due to chromatin condensation. <i>Theriogenology</i> , 2021 , 174, 94-101	2.8	0
10	Parkinson Disease Protein 7 (PARK7) Is Related to the Ability of Mammalian Sperm to Undergo In Vitro Capacitation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
9	Metabolomic signature of spermatozoa established during holding time is responsible for differences in boar sperm freezability. <i>Biology of Reproduction</i> , 2021 ,	3.9	2
8	Different approaches for assessing sperm function. <i>Animal Reproduction</i> , 2020 , 16, 72-80	1.7	
7	Blocking NHE Channels Reduces the Ability of In Vitro Capacitated Mammalian Sperm to Respond to Progesterone Stimulus. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
6	Effect of supplementation of freezing media with isoespintanol on functional integrity of equine semen. <i>Annals of Animal Science</i> , 2022 ,	2	
5	Image1.tif. 2017 ,		
4	Seminal Plasma Antioxidants Are Related to Sperm Cryotolerance in the Horse. <i>Antioxidants</i> , 2022 , 11, 1279	7.1	1
3	Recent development in freezing strategies of pig semen-A review. 2022 , 92, 153-165		0
2	Impact of cryopreservation protocols (one- and two-step) on boar semen quality at 5°C and post-thawing. 2022 , 247, 107093		0
1	iTRAQ-based comparative proteomics reveal an enhancing role of PRDX6 in the freezability of Mediterranean buffalo sperm.		0