

Jennie Risopatron

List of Publications by Year in descending order

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56
papers

1,151
citations

361413

20
h-index

414414

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g-index

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all docs

56
docs citations

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times ranked

926
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#	ARTICLE	IF	CITATIONS
1	Spermatozoa vitrification of sex-reversed rainbow trout (<i>Oncorhynchus mykiss</i>): Effect of seminal plasma on physiological parameters. <i>Aquaculture</i> , 2013, 372-375, 119-126.	3.5	77
2	Fish (<i>Oncorhynchus mykiss</i>) spermatozoa cryoprotectant-free vitrification: Stability of mitochondrion as criterion of effectiveness. <i>Animal Reproduction Science</i> , 2011, 124, 125-131.	1.5	70
3	Effect of seminal plasma on Atlantic salmon (<i>Salmo salar</i>) sperm vitrification. <i>Theriogenology</i> , 2015, 83, 238-245.e2.	2.1	70
4	Sperm cryopreservation with supplementation of α -tocopherol and ascorbic acid in freezing media increase sperm function and fertility rate in Atlantic salmon (<i>Salmo salar</i>). <i>Aquaculture</i> , 2018, 493, 1-8.	3.5	61
5	Cryopreservation of Atlantic salmon (<i>Salmo salar</i>) sperm: effects on sperm physiology. <i>Journal of Fish Biology</i> , 2016, 89, 1537-1550.	1.6	57
6	Melatonin Scavenger Properties against Oxidative and Nitrosative Stress: Impact on Gamete Handling and In Vitro Embryo Production in Humans and Other Mammals. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1119.	4.1	57
7	Cryoprotectant-free vitrification of fish (<i>Oncorhynchus mykiss</i>) spermatozoa: first report. <i>Andrologia</i> , 2012, 44, 390-395.	2.1	49
8	Effects of short-term storage on sperm function in fish semen: a review. <i>Reviews in Aquaculture</i> , 2020, 12, 1373-1389.	9.0	47
9	Vitrified sperm banks: the new aseptic technique for human spermatozoa allows cryopreservation at -86°C . <i>Andrologia</i> , 2012, 44, 433-435.	2.1	38
10	Oxidative stress and use of antioxidants in fish semen cryopreservation. <i>Reviews in Aquaculture</i> , 2021, 13, 365-387.	9.0	38
11	Effect of short-term semen storage in salmon (<i>Oncorhynchus mykiss</i>) on sperm functional parameters evaluated by flow cytometry. <i>Andrologia</i> , 2015, 47, 407-411.	2.1	35
12	Protective effect of butylated hydroxytoluene on sperm function in human spermatozoa cryopreserved by vitrification technique. <i>Andrologia</i> , 2015, 47, 186-193.	2.1	32
13	High temperature is essential for preserved human sperm function during the devitrification process. <i>Andrologia</i> , 2016, 48, 111-113.	2.1	32
14	Effect of short-term storage on sperm function in Patagonian blenny (<i>Eleginops maclovinus</i>) sperm. <i>Aquaculture</i> , 2017, 481, 58-63.	3.5	31
15	Effect of the age of broodstock males on sperm function during cold storage in the trout (<i>Oncorhynchus mykiss</i>). <i>Andrologia</i> , 2018, 50, e12857.	2.1	29
16	Human sperm vitrification: A scientific report. <i>Andrology</i> , 2020, 8, 1642-1650.	3.5	29
17	Addition of superoxide dismutase mimics during cooling process prevents oxidative stress and improves semen quality parameters in frozen/thawed ram spermatozoa. <i>Theriogenology</i> , 2014, 82, 884-889.	2.1	28
18	Intracytoplasmic sperm injection affects embryo developmental potential and gene expression in cattle. <i>Reproductive Biology</i> , 2015, 15, 34-41.	1.9	24

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19	Supplementation of IVF medium with melatonin: effect on sperm functionality and <i>in vitro</i> produced bovine embryos. <i>Andrologia</i> , 2015, 47, 604-615.	2.1	24
20	Short-term storage of salmonids semen in a sodium alginate-based extender. <i>Andrologia</i> , 2017, 49, e12661.	2.1	24
21	Trehalose sustains a higher post-thaw sperm motility than sucrose in vitrified human sperm. <i>Andrologia</i> , 2017, 49, e12757.	2.1	22
22	Short-term storage sperm of coho salmon (<i>Oncorhynchus kisutch</i>) at 4°C: Effect of sperm: Extender dilution ratios and antioxidant butyl-hydroxytoluene (BHT) on sperm function. <i>Cryobiology</i> , 2020, 95, 44-50.	0.7	19
23	Effect of Albumin and Polyvinyl Alcohol on the Vitality, Motility and Acrosomal Integrity of Canine Spermatozoa Incubated <i>in vitro</i> . <i>Reproduction in Domestic Animals</i> , 2002, 37, 347-351.	1.4	18
24	Sperm Membrane Functionality in the Dog Assessed by Flow Cytometry. <i>Reproduction in Domestic Animals</i> , 2012, 47, 39-43.	1.4	18
25	Effects of Diet-Induced Obesity and Deficient in Vitamin D on Spermatozoa Function and DNA Integrity in Sprague-Dawley Rats. <i>BioMed Research International</i> , 2018, 2018, 1-6.	1.9	16
26	Effect of high-fat and vitamin D deficient diet on rat sperm quality and fertility. <i>Theriogenology</i> , 2019, 125, 6-11.	2.1	16
27	Antioxidants and their effect on the oxidative/nitrosative stress of frozen-thawed boar sperm. <i>Cryobiology</i> , 2021, 98, 5-11.	0.7	16
28	Patagonian blenny (<i>Eleginops maclovinus</i>) spermatozoa quality after storage at 4°C in Cortland medium. <i>Animal Reproduction Science</i> , 2018, 197, 117-125.	1.5	15
29	Oxidative and nitrosative stress in frozen-thawed pig spermatozoa. I: Protective effect of melatonin and butylhydroxytoluene on sperm function. <i>Research in Veterinary Science</i> , 2021, 136, 143-150.	1.9	15
30	Freezing dog semen using -80°C ultra-freezer: Sperm function and <i>in vivo</i> fertility. <i>Theriogenology</i> , 2017, 99, 36-40.	2.1	13
31	Effects of cryopreservation on cAMP-dependent protein kinase and AMP-activated protein kinase in Atlantic salmon (<i>Salmo salar</i>) spermatozoa: Relation with post-thaw motility. <i>Animal Reproduction Science</i> , 2019, 209, 106133.	1.5	13
32	The CatSper channel is present and plays a key role in sperm motility of the Atlantic salmon (<i>Salmo</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i> 241, 110634.	1.8	13
33	Oxidative and nitrosative stress in frozen-thawed pig spermatozoa. II: Effect of the addition of saccharides to freezing medium on sperm function. <i>Cryobiology</i> , 2020, 97, 5-11.	0.7	13
34	Changes in sperm function and structure after freezing in domestic cat spermatozoa. <i>Andrologia</i> , 2018, 50, e13080.	2.1	12
35	Spermatological research of experimentally farmed Patagonian blenny (<i>Eleginops maclovinus</i>) (Perciformes: Eleginopsidae) in Chile. <i>Aquaculture Research</i> , 2017, 48, 4197-4204.	1.8	11
36	Evaluation of the acrosome reaction in human spermatozoa: comparison of cytochemical and fluorescence techniques. <i>Andrologia</i> , 2001, 33, 63-67.	2.1	10

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37	Effects of selection by the Percoll density gradient method on motility, mitochondrial membrane potential and fertility in a subpopulation of Atlantic salmon (<i>Salmo salar</i>) testicular spermatozoa. <i>Animal Reproduction Science</i> , 2020, 216, 106344.	1.5	9
38	Positive effect of butylated hydroxytoluene (BHT) on the quality of cryopreserved cat spermatozoa. <i>Cryobiology</i> , 2019, 89, 76-81.	0.7	7
39	Cryopreservation of coho salmon sperm (<i>Oncorhynchus kisutch</i>): Effect on sperm function, oxidative stress and fertilizing capacity. <i>Aquaculture</i> , 2021, 533, 736151.	3.5	7
40	Effects of short-term exposure of mature oocytes to sodium nitroprusside on in vitro embryo production and gene expression in bovine. <i>Theriogenology</i> , 2015, 84, 1431-1437.	2.1	6
41	Role of Vitamin D in the Development of Obesity. <i>International Journal of Morphology</i> , 2017, 35, 1568-1575.	0.2	5
42	Viability and DNA fragmentation of rainbow trout embryos (<i>Oncorhynchus mykiss</i>) obtained from eggs stored at 4°C. <i>Theriogenology</i> , 2016, 85, 1499-1506.	2.1	4
43	Effect of short-term exposure of cumulus-oocyte complex to morpholinopyridone on in vitro embryo development and gene expression in cattle. <i>Reproduction in Domestic Animals</i> , 2016, 51, 1010-1019.	1.4	3
44	Morphology and ultrastructure of pink cusk-eel (<i>Genypterus blacodes</i> , Schneider 1801) spermatozoa by scanning and transmission electron microscopy. <i>Tissue and Cell</i> , 2018, 54, 26-29.	2.2	3
45	Sperm morphology and ultrastructure of Patagonian blenny (<i>Eleginops maclovinus</i>). <i>Tissue and Cell</i> , 2019, 57, 66-69.	2.2	3
46	A differential proteomic study reveals the downregulation of several plasma membrane Ca ²⁺ -binding proteins in the sperm of Atlantic salmon (<i>Salmo salar</i>) following cold storage. <i>Aquaculture</i> , 2021, 545, 737211.	3.5	3
47	Modulación del Estado de Óxido-Reducción por Peróxido de Hidrógeno en la Etapa de Maduración Ovocitaria: Efecto sobre el Desarrollo Embrionario en Bovinos. <i>International Journal of Morphology</i> , 2016, 34, 431-435.	0.2	3
48	Criopreservación de Espermatozoides Caninos a -80°C. <i>International Journal of Morphology</i> , 2013, 31, 217-224.	0.2	2
49	Diversity of chromatin condensation patterns, nuclear reorganization, evolution and phylogenetic distribution of sperm nuclear basic proteins in fish. <i>Reviews in Fish Biology and Fisheries</i> , 2022, 32, 331-355.	4.9	2
50	Decrease in bovine in vitro embryo production efficiency during winter season in a warm-summer Mediterranean climate. <i>Andrologia</i> , 2017, 49, e12758.	2.1	1
51	Induction of oxidative stress does not increase the cryotolerance of vitrified embryos. <i>Animal Reproduction Science</i> , 2020, 219, 106511.	1.5	1
52	Standard and innovative reproductive biotechnologies for the development of finfish farming. , 2020, , 161-180.		0
53	Protective role of vitamin E in testicular development of mice exposed to valproic acid. <i>Andrologia</i> , 2021, 53, e14140.	2.1	0
54	Spermatology and sperm ultrastructure in farmed coho salmon (<i>Oncorhynchus kisutch</i>). <i>Aquaculture</i> , 2022, 547, 737471.	3.5	0

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55	A bioinformatics analysis of the CatSper channel in the class Actinopterygii. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2022, 267, 111181.	1.8	0
56	Valproic acid during pregnancy decrease the number of spermatogenic cells and testicular volume in the offspring of mice: Stereological quantification. Histology and Histopathology, 2021, , 18380.	0.7	0