ElÃ-as Figueroa

List of Publications by Year
in descending order

50 papers	1,245 citations	394421 19 h-index	377865 34 g-index
51 all docs	51 docs citations	51 times ranked	1023 citing authors

#	Article	IF	Citations
1	Antioxidant Therapeutic Strategies for Cardiovascular Conditions Associated with Oxidative Stress. Nutrients, 2017, 9, 966.	4.1	129
2	Spermatozoa vitrification of sex-reversed rainbow trout (Oncorhynchus mykiss): Effect of seminal plasma on physiological parameters. Aquaculture, 2013, 372-375, 119-126.	3.5	77
3	Cryopreservation and vitrification of fish semen: a review with special emphasis on marine species. Reviews in Aquaculture, 2018, 10, 15-25.	9.0	74
4	Fish (Oncorhynchus mykiss) spermatozoa cryoprotectant-free vitrification: Stability of mitochondrion as criterion of effectiveness. Animal Reproduction Science, 2011, 124, 125-131.	1.5	70
5	Effect of seminal plasma on Atlantic salmon (Salmo salar) sperm vitrification. Theriogenology, 2015, 83, 238-245.e2.	2.1	70
6	Sperm cryopreservation with supplementation of Î±-tocopherol and ascorbic acid in freezing media increase sperm function and fertility rate in Atlantic salmon (Salmo salar). Aquaculture, 2018, 493, 1-8.	3.5	61
7	Cryopreservation of Atlantic salmon Salmo salar sperm: effects on sperm physiology. Journal of Fish Biology, 2016, 89, 1537-1550.	1.6	57
8	Effects of cryopreservation on mitochondria of fish spermatozoa. Reviews in Aquaculture, 2017, 9, 76-87.	9.0	57
9	Effects of cryopreservation on mitochondrial function and sperm quality in fish. Aquaculture, 2019, 511, 634190.	3.5	52
10	Technologies used in the study of sperm function in cryopreserved fish spermatozoa. Aquaculture Research, 2016, 47, 1691-1705.	1.8	51
11	Cryoprotectant-free vitrification of fish (Oncorhynchus mykiss) spermatozoa: first report. Andrologia, 2012, 44, 390-395.	2.1	49
12	Effects of shortâ€term storage on sperm function in fish semen: a review. Reviews in Aquaculture, 2020, 12, 1373-1389.	9.0	47
13	Mitochondria in teleost spermatozoa. Mitochondrion, 2017, 34, 49-55.	3.4	36
14	Effect of short-term semen storage in salmon (Oncorhynchus mykiss) on sperm functional parameters evaluated by flow cytometry. Andrologia, 2015, 47, 407-411.	2.1	35
15	Effect of short-term storage on sperm function in Patagonian blenny (Eleginops maclovinus) sperm. Aquaculture, 2017, 481, 58-63.	3.5	31
16	Effect of the age of broodstock males on sperm function during cold storage in the trout (Oncorhynchus mykiss). Andrologia, 2018, 50, e12857.	2.1	29
17	Sperm biology of Merluccius australis: Sperm structure, semen characteristics and effects of pH, temperature and osmolality on sperm motility. Aquaculture, 2013, 408-409, 147-151.	3.5	27
18	Potential biomarkers of <scp>DNA</scp> quality in cryopreserved fish sperm: impact on gene expression and embryonic development. Reviews in Aquaculture, 2020, 12, 382-391.	9.0	25

#	Article	IF	Citations
19	Short-term storage of salmonids semen in a sodium alginate-based extender. Andrologia, 2017, 49, e12661.	2.1	24
20	Protective effects of polyunsatutared fatty acids supplementation against testicular damage induced by intermittent hypobaric hypoxia in rats. Journal of Biomedical Science, 2015, 22, 8.	7.0	22
21	Molecular aspects of breast cancer resistance to drugs (Review). International Journal of Oncology, 2015, 47, 437-445.	3.3	20
22	Short-term storage sperm of coho salmon (Oncorhynchus kisutch) at 4ÂÂ°C: Effect of sperm: Extender dilution ratios and antioxidant butyl-hydroxytoluene (BHT) on sperm function. Cryobiology, 2020, 95, 44-50.	0.7	19
23	Protein phosphorylation and ions effects on salmonid sperm motility activation. Reviews in Aquaculture, 2018, 10, 727-737.	9.0	15
24	Patagonian blenny (Eleginops maclovinus) spermatozoa quality after storage at 4â€‰ÂºC in Cortland medium. Animal Reproduction Science, 2018, 197, 117-125.	1.5	15
25	Short-term cold storage of the semen of rainbow troutOncorhynchus mykiss(Walbaum, 1792) incorporating DMSO in the sperm diluent. Effects on motility and fertilizing capacity. Aquaculture Research, 2015, 46, 37-44.	1.8	14
26	Zebrafish as a useful model for immunological research with potential applications in aquaculture. Reviews in Aquaculture, 2018, 10, 213-223.	9.0	14
27	Effects of cryopreservation on cAMP-dependent protein kinase and AMP-activated protein kinase in Atlantic salmon (Salmo salar) spermatozoa: Relation with post-thaw motility. Animal Reproduction Science, 2019, 209, 106133.	1.5	13
28	The CatSper channel is present and plays a key role in sperm motility of the Atlantic salmon (Salmo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 241, 110634.	1.8	13
29	Sperm characteristics of wild and captive lebranche mullet Mugil liza (Valenciennes, 1836), subjected to sperm activation in different pH and salinity conditions. Animal Reproduction Science, 2018, 192, 164-170.	1.5	12
30	Spermatological research of experimentally farmed Patagonian blenny (Eleginops maclovinus) (Perciformes: Eleginopsidae) in Chile. Aquaculture Research, 2017, 48, 4197-4204.	1.8	11
31	The voltage-gated T-type Ca2+ channel is key to the sperm motility of Atlantic salmon (Salmo salar). Fish Physiology and Biochemistry, 2020, 46, 1825-1831.	2.3	9
32	Effects of selection by the Percoll density gradient method on motility, mitochondrial membrane potential and fertility in a subpopulation of Atlantic salmon (Salmo salar) testicular spermatozoa. Animal Reproduction Science, 2020, 216, 106344.	1.5	9
33	Study of the membrane lipid composition of Atlantic salmon (Salmo salar) spermatozoa and its relation with semen quality. Aquaculture Research, 2018, 49, 2603-2607.	1.8	8
34	Cryopreservation of coho salmon sperm (Oncorhynchus kisutch): Effect on sperm function, oxidative stress and fertilizing capacity. Aquaculture, 2021, 533, 736151.	3.5	7
35	Chronic hypobaric hypoxia diminishes the expression of base excision repair OGG1 enzymes in spermatozoa. Andrologia, 2018, 50, e12876.	2.1	6
36	Effect of pH, osmolality and temperature on sperm motility of pink cusk-eel (Genypterus blacodes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	6

#	Article	IF	Citations
37	Effects of pH and sugar supplements on bacteriocin-like inhibitory substance production by Pediococcus pentosaceus. Molecular Biology Reports, 2019, 46, 4883-4891.	2.3	5
38	Chorion Alterations in Eyed-Stage Salmonid Eggs Farmed in La AraucanÃa, Chile: A Retrospective Study. Animals, 2021, 11, 2427.	2.3	5
39	Morphometric of blastomeres in Salmo salar. Zygote, 2014, 22, 470-475.	1.1	4
40	Study of the first blastomeres in Coho salmon (Oncorhynchus kisutch). Zygote, 2013, 21, 151-157.	1.1	3
41	Morphology and ultrastructure of pink cusk-eel (Genypterus blacodes, Schneider 1801) spermatozoa by scanning and transmission electron microscopy. Tissue and Cell, 2018, 54, 26-29.	2.2	3
42	Sperm morphology and ultrastructure of Patagonian blenny (Eleginops maclovinus). Tissue and Cell, 2019, 57, 66-69.	2.2	3
43	Characterization of first blastomeres in Patagonian blenny (Eleginops maclovinus) (Perciformes:) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.1	2
44	Complete mitochondrial genome sequence of Patagonian blenny, Eleginops maclovinus (Perciformes:) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	2
45	Diversity of chromatin condensation patterns, nuclear reorganization, evolution and phylogenetic distribution of sperm nuclear basic proteins in fish. Reviews in Fish Biology and Fisheries, 2022, 32, 331-355.	4.9	2
46	Spermatological characteristics and effects of cryopreservation in Lebranche mullet spermatozoa (Mugil liza Valenciennes, 1836): First report of ultra-rapid freezing. Animal Reproduction Science, 2022, 241, 106986.	1.5	2
47	Standard and innovative reproductive biotechnologies for the development of finfish farming. , 2020, , 161-180.		0
48	Effect of different calcium concentration on sperm motility and fertilisation capacity of rainbow trout (Oncorhynchus mykiss). Journal of Applied Ichthyology, 2021, 37, 106-112.	0.7	0
49	Spermatology and sperm ultrastructure in farmed coho salmon (Oncorhynchus kisutch). Aquaculture, 2022, 547, 737471.	3.5	0
50	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