

MarÃ-a Paz HerrÃ;ez

List of Publications by Year in descending order

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docs citations

99
times ranked

2963
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of epigenetics in fish biology and reproduction: An insight into the methods applied to aquaculture. , 2022, , 69-104.		2
2	Paternal Inheritance of Bisphenol A Cardiotoxic Effects: The Implications of Sperm Epigenome. International Journal of Molecular Sciences, 2021, 22, 2125.	1.8	12
3	The effects of endocrine disruptors on the male germline: an intergenerational health risk. Biological Reviews, 2021, 96, 1243-1262.	4.7	17
4	Effects of bisphenol A exposure during cardiac cell differentiation. Environmental Pollution, 2021, 286, 117567.	3.7	14
5	Distribution of DNA damage in the human sperm nucleus: implications of the architecture of the sperm head. Asian Journal of Andrology, 2020, 22, 401.	0.8	6
6	Embryonic Exposure to Bisphenol A Impairs Primordial Germ Cell Migration without Jeopardizing Male Breeding Capacity. Biomolecules, 2019, 9, 307.	1.8	26
7	Male exposure to bisphenol a impairs spermatogenesis and triggers histone hyperacetylation in zebrafish testes. Environmental Pollution, 2019, 248, 368-379.	3.7	69
8	Genetic and epigenetic alterations induced by bisphenol A exposure during different periods of spermatogenesis: from spermatozoa to the progeny. Scientific Reports, 2019, 9, 18029.	1.6	57
9	Cardiogenesis impairment promoted by bisphenol A exposure is successfully counteracted by epigallocatechin gallate. Environmental Pollution, 2019, 246, 1008-1019.	3.7	37
10	Changes in transcriptomic profile of trout larvae obtained with frozen sperm. Aquaculture, 2018, 492, 306-320.	1.7	10
11	Tolerance to paternal genotoxic damage promotes survival during embryo development in zebrafish (<i>Danio rerio</i>). Biology Open, 2018, 7, .	0.6	15
12	Distribution of DNA damage in the sperm nucleus: A study of zebrafish as a model of histone-packaged chromatin. Theriogenology, 2018, 122, 109-115.	0.9	9
13	Biology of teleost primordial germ cells (PGCs) and spermatogonia: Biotechnological applications. Aquaculture, 2017, 472, 4-20.	1.7	44
14	Paternal contribution to development: Sperm genetic damage and repair in fish. Aquaculture, 2017, 472, 45-59.	1.7	45
15	Cryobanking of aquatic species. Aquaculture, 2017, 472, 156-177.	1.7	170
16	Molecular basis of spermatogenesis and sperm quality. General and Comparative Endocrinology, 2017, 245, 5-9.	0.8	43
17	Paternal exposure to environmental 17-alpha-ethinylestradiol concentrations modifies testicular transcription, affecting the sperm transcript content and the offspring performance in zebrafish. Aquatic Toxicology, 2017, 193, 18-29.	1.9	28
18	Probiotic administration improves sperm quality in asthenozoospermic human donors. Beneficial Microbes, 2017, 8, 193-206.	1.0	58

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19	Epigenetics in fish gametes and early embryo. <i>Aquaculture</i> , 2017, 472, 93-106.	1.7	90
20	Selection of nonapoptotic sperm by magnetic-activated cell sorting in Senegalese sole (<i>Solea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	0.9	17
21	Impact of sperm DNA damage and oocyte-repairing capacity on trout development. <i>Reproduction</i> , 2016, 152, 57-67.	1.1	38
22	Subpopulation pattern of eel spermatozoa is affected by post-activation time, hormonal treatment and the thermal regimen. <i>Reproduction, Fertility and Development</i> , 2015, 27, 529.	0.1	30
23	Inhibition of zygotic DNA repair: transcriptome analysis of the offspring in trout (<i>Oncorhynchus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 702	1.1	26
24	Transgenerational inheritance of heart disorders caused by paternal bisphenol A exposure. <i>Environmental Pollution</i> , 2015, 206, 667-678.	3.7	108
25	The effect of enriched diets on <i>Solea senegalensis</i> sperm quality. <i>Aquaculture</i> , 2015, 435, 187-194.	1.7	31
26	Very low spermâ€“egg ratios result in successful fertilization using cryopreserved sperm in the Adriatic grayling (<i>Thymallus thymallus</i>). <i>Aquaculture</i> , 2015, 435, 75-77.	1.7	17
27	In Vitro Generation of Zebrafish PGC-Like Cells1. <i>Biology of Reproduction</i> , 2014, 91, 114.	1.2	18
28	Factors enhancing fish sperm quality and emerging tools for sperm analysis. <i>Aquaculture</i> , 2014, 432, 389-401.	1.7	172
29	Intracellular changes in Ca ²⁺ , K ⁺ and pH after sperm motility activation in the European eel (<i>Anguilla</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 702	1.7	17
30	Comparative Proteome Analysis of Cryopreserved Flagella and Head Plasma Membrane Proteins from Sea Bream Spermatozoa: Effect of Antifreeze Proteins. <i>PLoS ONE</i> , 2014, 9, e99992.	1.1	54
31	Differential Gene Susceptibility to Sperm DNA Damage: Analysis of Developmental Key Genes in Trout. <i>PLoS ONE</i> , 2014, 9, e114161.	1.1	22
32	Effect of cryopreservation on human sperm messenger RNAs crucial for fertilization and early embryo development. <i>Cryobiology</i> , 2013, 67, 84-90.	0.3	70
33	Gamete quality and broodstock management in temperate fish. <i>Reviews in Aquaculture</i> , 2013, 5, S194.	4.6	195
34	Analysis of DNA damage after human sperm cryopreservation in genes crucial for fertilization and early embryo development. <i>Andrology</i> , 2013, 1, 723-730.	1.9	62
35	Quantification of lesions in nuclear and mitochondrial genes of <i>Sparus aurata</i> cryopreserved sperm. <i>Aquaculture</i> , 2013, 402-403, 106-112.	1.7	36
36	Cryopreservation of gametes for aquaculture and alternative cell sources for genome preservation. , 2013, , 76-116.		16

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37	Improving Sperm Cryopreservation with Antifreeze Proteins: Effect on Gilthead Seabream (<i>Sparus</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	63
38	Fatty acid composition of the head membrane and flagella affects <i>Sparus aurata</i> sperm quality. Journal of Applied Ichthyology, 2012, 28, 1017-1019.	0.3	14
39	Incorporation of ascorbic acid and α -tocopherol to the extender media to enhance antioxidant system of cryopreserved sea bass sperm. Theriogenology, 2012, 77, 1129-1136.	0.9	89
40	Sea bass sperm freezability is influenced by motility variables and membrane lipid composition but not by membrane integrity and lipid peroxidation. Animal Reproduction Science, 2012, 131, 211-218.	0.5	30
41	New tools for genome preservation: grafting germinal cells in brown trout (<i>Salmo trutta</i>). Journal of Applied Ichthyology, 2012, 28, 916-918.	0.3	3
42	Changes in <i>Solea senegalensis</i> sperm quality throughout the year. Animal Reproduction Science, 2011, 126, 122-129.	0.5	46
43	Effect of cryopreservation on fish sperm subpopulations. Cryobiology, 2011, 62, 22-31.	0.3	68
44	Aquaporin inhibition changes protein phosphorylation pattern following sperm motility activation in fish. Theriogenology, 2011, 76, 737-744.	0.9	32
45	Altered gene transcription and telomere length in trout embryo and larvae obtained with DNA cryodamaged sperm. Theriogenology, 2011, 76, 1234-1245.	0.9	57
46	The relationship between ram sperm head morphometry and fertility depends on the procedures of acquisition and analysis used. Theriogenology, 2011, 76, 1313-1325.	0.9	36
47	Fertilization capacity with rainbow trout DNA-damaged sperm and embryo developmental success. Reproduction, 2010, 139, 989-997.	1.1	92
48	Cryopreservation of fish sperm: applications and perspectives. Journal of Applied Ichthyology, 2010, 26, 623-635.	0.3	266
49	Detection of early damage of sperm cell membrane in Gilthead seabream (<i>Sparus aurata</i>) with the nuclear stain YO-PRO 1. Journal of Applied Ichthyology, 2010, 26, 794-796.	0.3	9
50	Evaluation of DNA damage as a quality marker for rainbow trout sperm cryopreservation and use of LDL as cryoprotectant. Theriogenology, 2010, 74, 282-289.	0.9	62
51	Cryoprotective effects of antifreeze proteins delivered into zebrafish embryos. Cryobiology, 2009, 58, 128-133.	0.3	36
52	Cryobanking as tool for conservation of biodiversity: Effect of brown trout sperm cryopreservation on the male genetic potential. Theriogenology, 2009, 71, 594-604.	0.9	69
53	Evaluation of oxidative DNA damage promoted by storage in sperm from sex-reversed rainbow trout. Theriogenology, 2009, 71, 605-613.	0.9	93
54	Sperm quality evaluation in <i>Solea senegalensis</i> during the reproductive season at cellular level. Theriogenology, 2009, 72, 1251-1261.	0.9	46

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55	Germplasm Cryobanking in Zebrafish and Other Aquarium Model Species. <i>Zebrafish</i> , 2009, 6, 281-293.	0.5	36
56	Cellular damage in spermatozoa from wild-captured <i>Solea senegalensis</i> as detected by two different assays: comet analysis and Annexin V-Fluorescein staining. <i>Journal of Applied Ichthyology</i> , 2008, 24, 508-513.	0.3	17
57	Incorporation of antifreeze proteins into zebrafish embryos by a non-invasive method. <i>Cryobiology</i> , 2008, 56, 216-222.	0.3	20
58	The antifreeze protein type I (AFP I) increases seabream (<i>Sparus aurata</i>) embryos tolerance to low temperatures. <i>Theriogenology</i> , 2007, 68, 284-289.	0.9	39
59	Studies on chorion hardening inhibition and dechorionization in turbot embryos. <i>Aquaculture</i> , 2007, 262, 535-540.	1.7	7
60	Preliminary studies on the cryopreservation of gilthead seabream (<i>Sparus aurata</i>) embryos. <i>Aquaculture</i> , 2006, 251, 245-255.	1.7	39
61	Cryoprotectant microinjection toxicity and chilling sensitivity in gilthead seabream (<i>Sparus aurata</i>) embryos. <i>Aquaculture</i> , 2006, 261, 897-903.	1.7	23
62	Microinjection of the antifreeze protein type III (AFPIII) in turbot (<i>Scophthalmus maximus</i>) embryos: Toxicity and protein distribution. <i>Aquaculture</i> , 2006, 261, 1299-1306.	1.7	37
63	Comparison of two methods for obtaining spermatozoa from the cauda epididymis of Iberian red deer. <i>Theriogenology</i> , 2006, 65, 471-485.	0.9	81
64	Sperm Subpopulations in Iberian Red Deer Epididymal Sperm and Their Changes Through the Cryopreservation Process. <i>Biology of Reproduction</i> , 2005, 72, 316-327.	1.2	118
65	Evaluation of DNA damage in rainbow trout (<i>Oncorhynchus mykiss</i>) and gilthead sea bream (<i>Sparus aurata</i>) spermatozoa after cryopreservation. <i>Theriogenology</i> , 2005, 63, 151-155.	0.3	151
66	Evaluation of gilthead sea bream, <i>Sparus aurata</i> , sperm quality after cryopreservation in 5ml macrotubes. <i>Cryobiology</i> , 2005, 50, 273-284.	0.3	99
67	Decay of sperm obtained from epididymes of wild ruminants depending on postmortem time. <i>Theriogenology</i> , 2005, 63, 24-40.	0.9	63
68	Season effect on genitalia and epididymal sperm from Iberian red deer, roe deer and Cantabrian chamois. <i>Theriogenology</i> , 2005, 63, 1857-1875.	0.9	41
69	Post mortem time and season alter subpopulation characteristics of Iberian red deer epididymal sperm. <i>Theriogenology</i> , 2005, 64, 958-974.	0.9	41
70	Vitrification assays with embryos from a cold tolerant sub-arctic fish species. <i>Theriogenology</i> , 2005, 64, 1633-1646.	0.9	44
71	Effect of a vitrification protocol on the lactate dehydrogenase and glucose-6-phosphate dehydrogenase activities and the hatching rates of Zebrafish (<i>Danio rerio</i>) and Turbot (<i>Scophthalmus maximus</i>) embryos. <i>Theriogenology</i> , 2005, 64, 1633-1646.	0.3	41
72	Effect of different cryoprotectants and vitrificant solutions on the hatching rate of turbot embryos (<i>Scophthalmus maximus</i>). <i>Cryobiology</i> , 2003, 47, 204-213.	0.3	41

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73	Dimethyl sulfoxide influx in turbot embryos exposed to a vitrification protocol. <i>Theriogenology</i> , 2003, 60, 463-473.	0.9	26
74	Effect of epididymis handling conditions on the quality of ram spermatozoa recovered post-mortem. <i>Theriogenology</i> , 2003, 60, 1249-1259.	0.9	109
75	Vitrification of turbot embryos: preliminary assays. <i>Cryobiology</i> , 2003, 47, 30-39.	0.3	36
76	Effect of different treatments on the chorion permeability to DMSO of turbot embryos (<i>Scophthalmus maximus</i>). <i>Aquaculture</i> , 2003, 221, 593-604.	1.7	23
77	Sperm cryopreservation of sex-reversed rainbow trout (<i>Oncorhynchus mykiss</i>): parameters that affect its ability for freezing. <i>Aquaculture</i> , 2003, 224, 203-212.	1.7	49
78	Cryopreservation of rainbow trout sperm in large volume straws: application to large scale fertilization. <i>Aquaculture</i> , 2001, 201, 301-314.	1.7	100
79	Effect of external cryoprotectants as membrane stabilizers on cryopreserved rainbow trout sperm. <i>Theriogenology</i> , 2001, 56, 623-635.	0.9	93
80	The hypoosmotic swelling test performed with coulter counter: a method to assay functional integrity of sperm membrane in rainbow trout. <i>Animal Reproduction Science</i> , 1999, 55, 279-287.	0.5	27
81	Post-mortem spermatozoa recovery and freezing in a cantabric brown bear (<i>ursus arctos</i>): A preliminary report. <i>Theriogenology</i> , 1999, 51, 277.	0.9	10
82	Sublethal Damage during Cryopreservation of Rainbow Trout Sperm. <i>Cryobiology</i> , 1998, 37, 245-253.	0.3	52
83	Growth and metamorphosis of <i>Rana perezi</i> larvae in culture: Effects of larval density. <i>Aquaculture</i> , 1996, 142, 163-170.	1.7	26
84	Skeletal malformations induced by the insecticides ZZ-Aphoxi $\frac{1}{2}$ and Folidol $\frac{1}{2}$ during larval development of <i>Rana perezi</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 1995, 28, 349-56.	2.1	35
85	Perinotochordal connective sheet of gilthead sea bream larvae (<i>Sparus aurata</i> , L.) affected by axial malformations: An histochemical and immunocytochemical study. <i>The Anatomical Record</i> , 1994, 240, 248-254.	2.3	21
86	Response of hatchery-reared <i>Rana perezi</i> larvae fed different diets. <i>Aquaculture</i> , 1994, 128, 235-244.	1.7	9
87	The carbamate insecticide ZZ-Aphoxi $\frac{1}{2}$ induced structural changes of gills, liver, gall-bladder, heart, and notochord of <i>Rana perezi</i> tadpoles. <i>Archives of Environmental Contamination and Toxicology</i> , 1993, 25, 184-91.	2.1	19
88	Optimal level of dietary protein for <i>Rana perezi</i> Seoane larvae. <i>Aquaculture Research</i> , 1993, 24, 271-278.	0.9	5
89	Nutritional use of diets by <i>Rana perezi</i> Seoane larvae. <i>Aquaculture Research</i> , 1993, 24, 507-516.	0.9	1
90	Skeletal malformations in hatchery reared <i>Rana perezi</i> tadpoles. <i>The Anatomical Record</i> , 1992, 233, 314-320.	2.3	19

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91	Trapping of intraperitoneal-injected <i>Yersinia ruckeri</i> in the lymphoid organs of <i>Carassius auratus</i> : the role of melano-macrophage centres. <i>Journal of Fish Biology</i> , 1987, 31, 235-237.	0.7	18
92	Structure and function of the melano-macrophage centres of the goldfish <i>Carassius auratus</i> . <i>Veterinary Immunology and Immunopathology</i> , 1986, 12, 117-126.	0.5	124
93	Dendritic immune complex trapping cells in the spleen of the snake, <i>Python reticulatus</i> . <i>Developmental and Comparative Immunology</i> , 1985, 9, 641-652.	1.0	21
94	Nuclear distribution of genotoxic damage in rainbow trout (<i>Oncorhynchus mykiss</i>) sperm after cryopreservation. <i>Reproduction Abstracts</i> , 0, , .	0.0	0