

Elsa Cabrera

List of Publications by Year in descending order

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75
papers

3,436
citations

126708

33
h-index

149479

56
g-index

81
all docs

81
docs citations

81
times ranked

1999
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryopreservation of fish sperm: applications and perspectives. Journal of Applied Ichthyology, 2010, 26, 623-635.	0.3	266
2	Gamete quality and broodstock management in temperate fish. Reviews in Aquaculture, 2013, 5, S194.	4.6	195
3	Factors enhancing fish sperm quality and emerging tools for sperm analysis. Aquaculture, 2014, 432, 389-401.	1.7	172
4	Cryobanking of aquatic species. Aquaculture, 2017, 472, 156-177.	1.7	170
5	Evaluation of DNA damage in rainbow trout (<i>Oncorhynchus mykiss</i>) and gilthead sea bream (<i>Sparus</i>) Tj ETQq1 1 0.784314 rgBT /Overlook	0.3	151
6	The influence of certain aminoacids and vitamins on post-thaw fish sperm motility, viability and DNA fragmentation. Animal Reproduction Science, 2011, 125, 189-195.	0.5	133
7	Cryopreservation of rainbow trout sperm in large volume straws: application to large scale fertilization. Aquaculture, 2001, 201, 301-314.	1.7	100
8	Evaluation of gilthead sea bream, <i>Sparus aurata</i> , sperm quality after cryopreservation in 5ml macro tubes. Cryobiology, 2005, 50, 273-284.	0.3	99
9	Effect of external cryoprotectants as membrane stabilizers on cryopreserved rainbow trout sperm. Theriogenology, 2001, 56, 623-635.	0.9	93
10	Evaluation of oxidative DNA damage promoted by storage in sperm from sex-reversed rainbow trout. Theriogenology, 2009, 71, 605-613.	0.9	93
11	Progress, challenges and perspectives on fish gamete cryopreservation: A mini-review. General and Comparative Endocrinology, 2017, 245, 69-76.	0.8	93
12	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
13	New developments and biological insights into the farming of <i>Solea senegalensis</i> reinforcing its aquaculture potential. Reviews in Aquaculture, 2016, 8, 227-263.	4.6	86
14	Sperm handling in aquatic animals for artificial reproduction. Theriogenology, 2019, 133, 161-178.	0.9	82
15	Effect of cryopreservation on fish sperm subpopulations. Cryobiology, 2011, 62, 22-31.	0.3	68
16	Multivariate cluster analysis to study motility activation of <i>Solea senegalensis</i> spermatozoa: a model for marine teleosts. Reproduction, 2008, 135, 449-459.	1.1	64
17	Improving Sperm Cryopreservation with Antifreeze Proteins: Effect on Gilthead Seabream (<i>Sparus</i>) Tj ETQq1 1 0.784314 rgBT /Overlook	1.2	63
18	Characterization of Senegalese sole, <i>Solea senegalensis</i> , male broodstock in terms of sperm production and quality. Aquaculture, 2006, 261, 967-975.	1.7	57

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19	Successful cryopreservation of sperm from sex-reversed dusky grouper, <i>Epinephelus marginatus</i> . <i>Aquaculture</i> , 2009, 287, 152-157.	1.7	54
20	Sublethal Damage during Cryopreservation of Rainbow Trout Sperm. <i>Cryobiology</i> , 1998, 37, 245-253.	0.3	52
21	Effect of two sulfur-containing amino acids, taurine and hypotaurine in European sea bass (<i>Dicentrarchus labrax</i>) sperm cryopreservation. <i>Cryobiology</i> , 2013, 66, 333-338.	0.3	50
22	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
23	Sperm quality evaluation in <i>Solea senegalensis</i> during the reproductive season at cellular level. <i>Theriogenology</i> , 2009, 72, 1251-1261.	0.9	46
24	Changes in <i>Solea senegalensis</i> sperm quality throughout the year. <i>Animal Reproduction Science</i> , 2011, 126, 122-129.	0.5	46
25	Vitrification assays with embryos from a cold tolerant sub-arctic fish species. <i>Theriogenology</i> , 2005, 64, 1633-1646.	0.9	44
26	Biology of teleost primordial germ cells (PGCs) and spermatogonia: Biotechnological applications. <i>Aquaculture</i> , 2017, 472, 4-20.	1.7	44
27	Molecular basis of spermatogenesis and sperm quality. <i>General and Comparative Endocrinology</i> , 2017, 245, 5-9.	0.8	43
28	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
29	Preliminary studies on the cryopreservation of gilthead seabream (<i>Sparus aurata</i>) embryos. <i>Aquaculture</i> , 2006, 251, 245-255.	1.7	39
30	Oxidative stress and use of antioxidants in fish semen cryopreservation. <i>Reviews in Aquaculture</i> , 2021, 13, 365-387.	4.6	38
31	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
32	Vitrification of turbot embryos: preliminary assays. <i>Cryobiology</i> , 2003, 47, 30-39.	0.3	36
33	Lunar and daily spawning rhythms of Senegal sole <i>Solea senegalensis</i> . <i>Journal of Fish Biology</i> , 2009, 75, 61-74.	0.7	36
34	Germplasm Cryobanking in Zebrafish and Other Aquarium Model Species. <i>Zebrafish</i> , 2009, 6, 281-293.	0.5	36
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	Aquaporin inhibition changes protein phosphorylation pattern following sperm motility activation in fish. <i>Theriogenology</i> , 2011, 76, 737-744.	0.9	32

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37	The effect of enriched diets on <i>Solea senegalensis</i> sperm quality. <i>Aquaculture</i> , 2015, 435, 187-194.	1.7	31
38	Sea bass sperm freezability is influenced by motility variables and membrane lipid composition but not by membrane integrity and lipid peroxidation. <i>Animal Reproduction Science</i> , 2012, 131, 211-218.	0.5	30
39	Antioxidants in Fish Sperm and the Potential Role of Melatonin. <i>Antioxidants</i> , 2021, 10, 36.	2.2	30
40	Endocrine and milt response of Senegalese sole, <i>Solea senegalensis</i> , males maintained in captivity. <i>Theriogenology</i> , 2011, 75, 1-9.	0.9	28
41	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
42	Dimethyl sulfoxide influx in turbot embryos exposed to a vitrification protocol. <i>Theriogenology</i> , 2003, 60, 463-473.	0.9	26
43	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</i>) Tj ETQq1 1 0784314 28 BT /Over	0.7	26
44	<i>Solea senegalensis</i> sperm cryopreservation: New insights on sperm quality. <i>PLoS ONE</i> , 2017, 12, e0186542.	1.1	26
45	Analysis of transcripts in gilthead seabream sperm and zebrafish testicular cells: mRNA profile as a predictor of gamete quality. <i>Aquaculture</i> , 2013, 406-407, 28-33.	1.7	24
46	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
47	Cryoprotectant microinjection toxicity and chilling sensitivity in gilthead seabream (<i>Sparus aurata</i>) embryos. <i>Aquaculture</i> , 2006, 261, 897-903.	1.7	23
48	The influence of ovarian fluid on <i>Solea senegalensis</i> sperm motility. <i>Journal of Applied Ichthyology</i> , 2010, 26, 690-695.	0.3	22
49	<i>Solea senegalensis</i> vasa transcripts: molecular characterisation, tissue distribution and developmental expression profiles. <i>Reproduction, Fertility and Development</i> , 2013, 25, 646.	0.1	22
50	Development of interspecies testicular germ-cell transplantation in flatfish. <i>Reproduction, Fertility and Development</i> , 2014, 26, 690.	0.1	19
51	Circulating small non-coding RNAs provide new insights into vitamin K nutrition and reproductive physiology in teleost fish. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 39-51.	1.1	18
52	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
53	Sperm lipid peroxidation is correlated with differences in sperm quality during the reproductive season in precocious European sea bass (<i>Dicentrarchus labrax</i>) males. <i>Aquaculture</i> , 2012, 358-359, 246-252.	1.7	17
54	Kisspeptin Influences the Reproductive Axis and Circulating Levels of microRNAs in Senegalese Sole. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9051.	1.8	17

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55	Electric ultrafreezer (âˆˆâ€‰150Â°C) as an alternative for zebrafish sperm cryopreservation and storage. <i>Fish Physiology and Biochemistry</i> , 2018, 44, 1443-1455.	0.9	15
56	Rearing larvae of dusky grouper, <i>Epinephelus marginatus</i> (Lowe, 1834), (Pisces: Serranidae) in a semi-extensive mesocosm. <i>Scientia Marina</i> , 2009, 73, 201-212.	0.3	15
57	Fatty acid composition of the head membrane and flagella affects <i>Sparus aurata</i> sperm quality. <i>Journal of Applied Ichthyology</i> , 2012, 28, 1017-1019.	0.3	14
58	First study in cryopreserved <i>Crassostrea angulata</i> sperm. <i>General and Comparative Endocrinology</i> , 2017, 245, 108-115.	0.8	13
59	Step by step optimization of a sperm cryopreservation protocol for spotted wolffish (<i>Anarhichas</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 12	0.9	12
60	Improvement of the cryopreservation protocols for the dusky grouper, <i>Epinephelus marginatus</i> . <i>Aquaculture</i> , 2017, 470, 207-213.	1.7	11
61	Comparative study on cellular and molecular responses in oyster sperm revealed different susceptibilities to cryopreservation. <i>Aquaculture</i> , 2019, 498, 223-229.	1.7	11
62	Microdiet Formulation with Phospholipid Modulate Zebrafish Skeletal Development and Reproduction. <i>Zebrafish</i> , 2020, 17, 27-37.	0.5	11
63	The use of flow cytometry to assess membrane stability in fresh and cryopreserved trout spermatozoa. <i>Cryo-Letters</i> , 2001, 22, 263-72.	0.1	11
64	Selection Criteria of Zebrafish Male Donors for Sperm Cryopreservation. <i>Zebrafish</i> , 2019, 16, 189-196.	0.5	9
65	Studies on chorion hardening inhibition and dechorionization in turbot embryos. <i>Aquaculture</i> , 2007, 262, 535-540.	1.7	7
66	Cryoprotectants synergy improve zebrafish sperm cryopreservation and offspring skeletogenesis. <i>Cryobiology</i> , 2019, 91, 115-127.	0.3	6
67	Cryopreservation of Marine Invertebrates: From Sperm to Complex Larval Stages. <i>Methods in Molecular Biology</i> , 2021, 2180, 413-425.	0.4	6
68	Investigating the kisspeptin system in the hermaphrodite teleost gilthead seabream (<i>Sparus aurata</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 241, 110624.	0.8	5
69	Effect of Trehalose and Sucrose in Post-thaw Quality of <i>Crassostrea angulata</i> Sperm. <i>Frontiers in Physiology</i> , 2021, 12, 749735.	1.3	5
70	Embryo Cryopreservation. <i>Marine Biology</i> , 2008, , 265-294.	0.1	3
71	New tools for genome preservation: grafting germinal cells in brown trout (<i>Salmo trutta</i>). <i>Journal of Applied Ichthyology</i> , 2012, 28, 916-918.	0.3	3
72	Semen Cryopreservation in Brazilian Freshwater Fish: Advances and Main Challenges. , 2016, , .		3

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73	Ex vivo exposure to titanium dioxide and silver nanoparticles mildly affect sperm of gilthead seabream (<i>Sparus aurata</i>) - A multiparameter spermiotoxicity approach. <i>Marine Pollution Bulletin</i> , 2022, 177, 113487.	2.3	2
74	Technologies and strategies for ex situ conservation of aquatic organisms: The role of cryopreservation in long-term management. , 2022, , 1-48.		1
75	Assessment of larval quality of two bivalve species, <i>Crassostrea angulata</i> and <i>Chamelea gallina</i> , exposed and cryopreserved with different cryoprotectant solutions. <i>Cryobiology</i> , 2022, 106, 24-31.	0.3	1