

Elsa Cabrera

List of Publications by Year in Descending Order

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Version: 2024-04-23

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

75
papers

2,643
citations

30
h-index

49
g-index

81
ext. papers

3,034
ext. citations

3.2
avg, IF

4.9
L-index

#	Paper	IF	Citations
75	Technologies and strategies for ex situ conservation of aquatic organisms: The role of cryopreservation in long-term management 2022 , 1-48		0
74	Ex vivo exposure to titanium dioxide and silver nanoparticles mildly affect sperm of gilthead seabream (<i>Sparus aurata</i>) - A multiparameter spermotoxicity approach.. <i>Marine Pollution Bulletin</i> , 2022 , 177, 113487	6.7	0
73	Effect of Trehalose and Sucrose in Post-thaw Quality of Sperm.. <i>Frontiers in Physiology</i> , 2021 , 12, 749735	4.6	1
72	Oxidative stress and use of antioxidants in fish semen cryopreservation. <i>Reviews in Aquaculture</i> , 2021 , 13, 365-387	8.9	12
71	Cryopreservation of Marine Invertebrates: From Sperm to Complex Larval Stages. <i>Methods in Molecular Biology</i> , 2021 , 2180, 413-425	1.4	1
70	Step by step optimization of a sperm cryopreservation protocol for spotted wolffish (<i>Anarhichas minor</i> Olafsen, 1772). <i>Theriogenology</i> , 2020 , 149, 16-24	2.8	9
69	Antioxidants in Fish Sperm and the Potential Role of Melatonin. <i>Antioxidants</i> , 2020 , 10,	7.1	10
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	2.6	3
67	Microdiet Formulation with Phospholipid Modulate Zebrafish Skeletal Development and Reproduction. <i>Zebrafish</i> , 2020 , 17, 27-37	2	6
66	Kisspeptin Influences the Reproductive Axis and Circulating Levels of microRNAs in Senegalese Sole. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
65	Sperm handling in aquatic animals for artificial reproduction. <i>Theriogenology</i> , 2019 , 133, 161-178	2.8	42
64	Cryoprotectants synergy improve zebrafish sperm cryopreservation and offspring skeletogenesis. <i>Cryobiology</i> , 2019 , 91, 115-127	2.7	4
63	Comparative study on cellular and molecular responses in oyster sperm revealed different susceptibilities to cryopreservation. <i>Aquaculture</i> , 2019 , 498, 223-229	4.4	5
62	Selection Criteria of Zebrafish Male Donors for Sperm Cryopreservation. <i>Zebrafish</i> , 2019 , 16, 189-196	2	6
61	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	4	12
60	Electric ultrafreezer (- 150°C) as an alternative for zebrafish sperm cryopreservation and storage. <i>Fish Physiology and Biochemistry</i> , 2018 , 44, 1443-1455	2.7	13
59	Biology of teleost primordial germ cells (PGCs) and spermatogonia: Biotechnological applications. <i>Aquaculture</i> , 2017 , 472, 4-20	4.4	26

58	Progress, challenges and perspectives on fish gamete cryopreservation: A mini-review. <i>General and Comparative Endocrinology</i> , 2017 , 245, 69-76	3	59
57	Cryobanking of aquatic species. <i>Aquaculture</i> , 2017 , 472, 156-177	4.4	112
56	Molecular basis of spermatogenesis and sperm quality. <i>General and Comparative Endocrinology</i> , 2017 , 245, 5-9	3	22
55	First study in cryopreserved <i>Crassostrea angulata</i> sperm. <i>General and Comparative Endocrinology</i> , 2017 , 245, 108-115	3	10
54	Improvement of the cryopreservation protocols for the dusky grouper, <i>Epinephelus marginatus</i> . <i>Aquaculture</i> , 2017 , 470, 207-213	4.4	11
53	<i>Solea senegalensis</i> sperm cryopreservation: New insights on sperm quality. <i>PLoS ONE</i> , 2017 , 12, e0186547	4.7	15
52	New developments and biological insights into the farming of <i>Solea senegalensis</i> reinforcing its aquaculture potential. <i>Reviews in Aquaculture</i> , 2016 , 8, 227-263	8.9	70
51	Semen Cryopreservation in Brazilian Freshwater Fish: Advances and Main Challenges 2016 ,		1
50	The effect of enriched diets on <i>Solea senegalensis</i> sperm quality. <i>Aquaculture</i> , 2015 , 435, 187-194	4.4	27
49	Factors enhancing fish sperm quality and emerging tools for sperm analysis. <i>Aquaculture</i> , 2014 , 432, 389-401	4.4	122
48	Development of interspecies testicular germ-cell transplantation in flatfish. <i>Reproduction, Fertility and Development</i> , 2014 , 26, 690-702	1.8	15
47	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, 333-8	2.7	39
46	Gamete quality and broodstock management in temperate fish. <i>Reviews in Aquaculture</i> , 2013 , 5, S194-S223	2.3	136
45	Quantification of lesions in nuclear and mitochondrial genes of <i>Sparus aurata</i> cryopreserved sperm. <i>Aquaculture</i> , 2013 , 402-403, 106-112	4.4	29
44	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	4.4	19
43	<i>Solea senegalensis</i> vasa transcripts: molecular characterisation, tissue distribution and developmental expression profiles. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 646-60	1.8	20
42	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	0.9	11
41	Incorporation of ascorbic acid and Tocopherol to the extender media to enhance antioxidant system of cryopreserved sea bass sperm. <i>Theriogenology</i> , 2012 , 77, 1129-36	2.8	69

40	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, 211-8	2.1	22
39	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	4.4	14
38	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	0.9	2
37	Improving sperm cryopreservation with antifreeze proteins: effect on gilthead seabream (<i>Sparus aurata</i>) plasma membrane lipids. <i>Biology of Reproduction</i> , 2012 , 86, 59	3.9	52
36	Fish Gamete and Embryo Cryopreservation: State of the Art 2011 , 303-317		1
35	The influence of certain aminoacids and vitamins on post-thaw fish sperm motility, viability and DNA fragmentation. <i>Animal Reproduction Science</i> , 2011 , 125, 189-95	2.1	104
34	Changes in <i>Solea senegalensis</i> sperm quality throughout the year. <i>Animal Reproduction Science</i> , 2011 , 126, 122-9	2.1	37
33	Effect of cryopreservation on fish sperm subpopulations. <i>Cryobiology</i> , 2011 , 62, 22-31	2.7	58
32	Endocrine and milt response of Senegalese sole, <i>Solea senegalensis</i> , males maintained in captivity. <i>Theriogenology</i> , 2011 , 75, 1-9	2.8	24
31	Aquaporin inhibition changes protein phosphorylation pattern following sperm motility activation in fish. <i>Theriogenology</i> , 2011 , 76, 737-44	2.8	26
30	The influence of ovarian fluid on <i>Solea senegalensis</i> sperm motility. <i>Journal of Applied Ichthyology</i> , 2010 , 26, 690-695	0.9	21
29	Cryopreservation of fish sperm: applications and perspectives. <i>Journal of Applied Ichthyology</i> , 2010 , 26, 623-635	0.9	205
28	Lunar and daily spawning rhythms of Senegal sole <i>Solea senegalensis</i> . <i>Journal of Fish Biology</i> , 2009 , 75, 61-74	1.9	32
27	Evaluation of oxidative DNA damage promoted by storage in sperm from sex-reversed rainbow trout. <i>Theriogenology</i> , 2009 , 71, 605-13	2.8	77
26	Sperm quality evaluation in <i>Solea senegalensis</i> during the reproductive season at cellular level. <i>Theriogenology</i> , 2009 , 72, 1251-61	2.8	33
25	Successful cryopreservation of sperm from sex-reversed dusky grouper, <i>Epinephelus marginatus</i> . <i>Aquaculture</i> , 2009 , 287, 152-157	4.4	48
24	Germplasm cryobanking in zebrafish and other aquarium model species. <i>Zebrafish</i> , 2009 , 6, 281-93	2	35
23	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	1.8	12

22	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	0.9	16
21	Multivariate cluster analysis to study motility activation of <i>Solea senegalensis</i> spermatozoa: a model for marine teleosts. <i>Reproduction</i> , 2008 , 135, 449-59	3.8	54
20	Embryo Cryopreservation. <i>Marine Biology</i> , 2008 , 265-294		3
19	Studies on chorion hardening inhibition and dechorionization in turbot embryos. <i>Aquaculture</i> , 2007 , 262, 535-540	4.4	7
18	Preliminary studies on the cryopreservation of gilthead seabream (<i>Sparus aurata</i>) embryos. <i>Aquaculture</i> , 2006 , 251, 245-255	4.4	35
17	Cryoprotectant microinjection toxicity and chilling sensitivity in gilthead seabream (<i>Sparus aurata</i>) embryos. <i>Aquaculture</i> , 2006 , 261, 897-903	4.4	20
16	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	4.4	33
15	Characterization of Senegalese sole, <i>Solea senegalensis</i> , male broodstock in terms of sperm production and quality. <i>Aquaculture</i> , 2006 , 261, 967-975	4.4	50
14	Evaluation of DNA damage in rainbow trout (<i>Oncorhynchus mykiss</i>) and gilthead sea bream (<i>Sparus aurata</i>) cryopreserved sperm. <i>Cryobiology</i> , 2005 , 50, 144-53	2.7	128
13	Evaluation of gilthead sea bream, <i>Sparus aurata</i> , sperm quality after cryopreservation in 5 ml macrotubes. <i>Cryobiology</i> , 2005 , 50, 273-84	2.7	88
12	Vitrification assays with embryos from a cold tolerant sub-arctic fish species. <i>Theriogenology</i> , 2005 , 64, 1633-46	2.8	39
11	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> , 2004 , 61, 1367-79	2.8	21
10	Effect of different cryoprotectants and vitrificant solutions on the hatching rate of turbot embryos (<i>Scophthalmus maximus</i>). <i>Cryobiology</i> , 2003 , 47, 204-13	2.7	37
9	Dimethyl sulfoxide influx in turbot embryos exposed to a vitrification protocol. <i>Theriogenology</i> , 2003 , 60, 463-73	2.8	24
8	Vitrification of turbot embryos: preliminary assays. <i>Cryobiology</i> , 2003 , 47, 30-9	2.7	30
7	Effect of different treatments on the chorion permeability to DMSO of turbot embryos (<i>Scophthalmus maximus</i>). <i>Aquaculture</i> , 2003 , 221, 593-604	4.4	20
6	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	4.4	44
5	Cryopreservation of rainbow trout sperm in large volume straws: application to large scale fertilization. <i>Aquaculture</i> , 2001 , 201, 301-314	4.4	83

4	Effect of external cryoprotectants as membrane stabilizers on cryopreserved rainbow trout sperm. <i>Theriogenology</i> , 2001 , 56, 623-35	2.8	78
3	The use of flow cytometry to assess membrane stability in fresh and cryopreserved trout spermatozoa. <i>Cryo-Letters</i> , 2001 , 22, 263-72	0.3	10
2	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, 279-87	2.1	20
1	Sublethal damage during cryopreservation of rainbow trout sperm. <i>Cryobiology</i> , 1998 , 37, 245-53	2.7	49