

J Beirão

List of Publications by Year in descending order

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34
papers

1,168
citations

471061

17
h-index

395343

33
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35
all docs

35
docs citations

35
times ranked

1012
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryopreservation of fish sperm: applications and perspectives. <i>Journal of Applied Ichthyology</i> , 2010, 26, 623-635.	0.3	266
2	Fertilization capacity with rainbow trout DNA-damaged sperm and embryo developmental success. <i>Reproduction</i> , 2010, 139, 989-997.	1.1	92
3	Sperm handling in aquatic animals for artificial reproduction. <i>Theriogenology</i> , 2019, 133, 161-178.	0.9	82
4	Effect of cryopreservation on fish sperm subpopulations. <i>Cryobiology</i> , 2011, 62, 22-31.	0.3	68
5	Improving Sperm Cryopreservation with Antifreeze Proteins: Effect on Gilthead Seabream (<i>Sparus</i>) Tj ETQq1 1 0.784314 rgBT /Overlook	1.2	63
6	Evaluation of DNA damage as a quality marker for rainbow trout sperm cryopreservation and use of LDL as cryoprotectant. <i>Theriogenology</i> , 2010, 74, 282-289.	0.9	62
7	Altered gene transcription and telomere length in trout embryo and larvae obtained with DNA cryodamaged sperm. <i>Theriogenology</i> , 2011, 76, 1234-1245.	0.9	57
8	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
9	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
10	Changes in <i>Solea senegalensis</i> sperm quality throughout the year. <i>Animal Reproduction Science</i> , 2011, 126, 122-129.	0.5	46
11	Aquaporin inhibition changes protein phosphorylation pattern following sperm motility activation in fish. <i>Theriogenology</i> , 2011, 76, 737-744.	0.9	32
12	The effect of enriched diets on <i>Solea senegalensis</i> sperm quality. <i>Aquaculture</i> , 2015, 435, 187-194.	1.7	31
13	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
14	Interpopulation ovarian fluid variation differentially modulates sperm motility in Atlantic cod <i>Gadus morhua</i> . <i>Journal of Fish Biology</i> , 2015, 87, 54-68.	0.7	24
15	Cryoprotectant microinjection toxicity and chilling sensitivity in gilthead seabream (<i>Sparus aurata</i>) embryos. <i>Aquaculture</i> , 2006, 261, 897-903.	1.7	23
16	Fish sperm competition in hatcheries and between wild and hatchery origin fish in nature. <i>Theriogenology</i> , 2019, 133, 201-209.	0.9	19
17	Evaluation of different extenders for the cold storage of meagre (<i>Argyrosomus regius</i>) semen. <i>Aquaculture Research</i> , 2018, 49, 2723-2731.	0.9	18
18	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

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19	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
20	Sperm plasticity to seawater temperatures in Atlantic cod <i>Gadus morhua</i> is affected more by population origin than individual environmental exposure. <i>Marine Ecology - Progress Series</i> , 2014, 495, 263-274.	0.9	15
21	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
22	A novel sperm adaptation to evolutionary constraints on reproduction: Pre-ejaculatory sperm activation in the beach spawning capelin (<i>Osmeridae</i>). <i>Ecology and Evolution</i> , 2018, 8, 2343-2349.	0.8	13
23	Impact of crude oil and the dispersant Corexit [®] EC9500A on capelin (<i>Mallotus villosus</i>) embryo development. <i>Marine Environmental Research</i> , 2019, 147, 90-100.	1.1	12
24	Step by step optimization of a sperm cryopreservation protocol for spotted wolffish (<i>Anarhichas</i>)	0.9	12
25	Wild Atlantic cod sperm motility is negatively affected by ovarian fluid of farmed females. <i>Aquaculture Environment Interactions</i> , 2014, 5, 61-70.	0.7	12
26	Optimization of a fertilization protocol for spotted wolffish (<i>Anarhichas minor</i>). <i>Aquaculture</i> , 2018, 484, 133-138.	1.7	11
27	Chemically-dispersed crude oil and dispersant affects sperm fertilizing ability, but not sperm swimming behaviour in capelin (<i>Mallotus villosus</i>). <i>Environmental Pollution</i> , 2018, 241, 521-528.	3.7	11
28	Detection of early damage of sperm cell membrane in Gilthead seabream (<i>Sparus aurata</i>) with the nuclear stain YO-PRO 1. <i>Journal of Applied Ichthyology</i> , 2010, 26, 794-796.	0.3	9
29	Is it possible to store spotted wolffish (<i>Anarhichas minor</i>) sperm by refrigeration?. <i>Fish Physiology and Biochemistry</i> , 2021, 47, 725-735.	0.9	4
30	Spotted wolffish (<i>Anarhichas minor</i>) sperm cryopreservation in 5-mL cryovials. <i>Fish Physiology and Biochemistry</i> , 2021, 47, 697-701.	0.9	3
31	Spermatozoa ultrastructure of two <i>osmerid</i> fishes in the context of their family (Teleostei)	0.3	2
32	Low sperm to egg ratio required for successful <i>in vitro</i> fertilization in a pair-spawning teleost, Senegalese sole (<i>Solea senegalensis</i>). <i>Royal Society Open Science</i> , 2021, 8, 201718.	1.1	2
33	Spotted Wolffish Broodstock Management and Egg Production: Retrospective, Current Status, and Research Priorities. <i>Animals</i> , 2021, 11, 2849.	1.0	2
34	Toward controlled breeding of the blackfin icefish <i>Chaenocephalus aceratus</i> (Linnberg 1906): determination of spermatozoa concentration and evaluation of short- and long-term preservation of semen. <i>Polar Biology</i> , 2020, 43, 1583-1593.	0.5	1