

Ignacio A Catalán

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

1,485
citations

279487

23
h-index

360668

35
g-index

67
all docs

67
docs citations

67
times ranked

2073
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic, operational, high-resolution monitoring of fish length and catch numbers from landings using deep learning. <i>Fisheries Research</i> , 2022, 246, 106166.	0.9	21
2	European hake (<i>Merluccius merluccius</i>) stock structure in the Mediterranean as assessed by otolith shape and microchemistry. <i>Fisheries Research</i> , 2022, 254, 106419.	0.9	7
3	Small pelagic fish in the new millennium: A bottom-up view of global research effort. <i>Progress in Oceanography</i> , 2021, 191, 102494.	1.5	49
4	Future Socio-political Scenarios for Aquatic Resources in Europe: An Operationalized Framework for Marine Fisheries Projections. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	10
5	Projected effects of ocean warming on an iconic pelagic fish and its fishery. <i>Scientific Reports</i> , 2021, 11, 8803.	1.6	4
6	Using self organizing maps to analyze larval fish assemblage vertical dynamics through environmental-ontogenetic gradients. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 258, 107410.	0.9	1
7	Image-based, unsupervised estimation of fish size from commercial landings using deep learning. <i>ICES Journal of Marine Science</i> , 2020, 77, 1330-1339.	1.2	51
8	Assessment of the Skill of Coupled Physical–Biogeochemical Models in the NW Mediterranean. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	7
9	Reversible morphological changes in a juvenile marine fish after exposure to predatory alarm cues. <i>Royal Society Open Science</i> , 2020, 7, 191945.	1.1	3
10	Future distribution of early life stages of small pelagic fishes in the northwestern Mediterranean. <i>Climatic Change</i> , 2020, 161, 567-589.	1.7	5
11	A Global Review on the Biology of the Dolphinfish (<i>Coryphaena hippurus</i>) and Its Fishery in the Mediterranean Sea: Advances in the Last Two Decades. <i>Reviews in Fisheries Science and Aquaculture</i> , 2020, 28, 376-420.	5.1	20
12	MPA network design based on graph theory and emergent properties of larval dispersal. <i>Marine Ecology - Progress Series</i> , 2020, 650, 309-326.	0.9	29
13	Research on early life stages of fish: a lively field. <i>Marine Ecology - Progress Series</i> , 2020, 650, 1-5.	0.9	7
14	Preparing for the future: integrating spatial ecology into ecosystem-based management. <i>ICES Journal of Marine Science</i> , 2019, 76, 467-476.	1.2	23
15	Critically examining the knowledge base required to mechanistically project climate impacts: A case study of Europe's fish and shellfish. <i>Fish and Fisheries</i> , 2019, 20, 501-517.	2.7	30
16	Changes in the juvenile fish assemblage of a Mediterranean shallow <i>Posidonia oceanica</i> seagrass nursery area after half century. <i>Mediterranean Marine Science</i> , 2019, 20, 603.	0.6	5
17	Estimating the density of resident coastal fish using underwater cameras: accounting for individual detectability. <i>Marine Ecology - Progress Series</i> , 2019, 615, 177-188.	0.9	10
18	Potential fishing-related effects on fish life history revealed by otolith microchemistry. <i>Fisheries Research</i> , 2018, 199, 186-195.	0.9	23

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19	Predator Avoidance in the European Seabass After Recovery From Short-Term Hypoxia and Different CO2 Conditions. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	3
20	Embedding the effect of environmental conditions on recruitment and survival of the European anchovy (<i>Engraulis encrasicolus</i>): a Bayesian model with dual-time resolution. <i>Fishery Bulletin</i> , 2018, 116, 34-49.	0.1	1
21	Anthropogenic chemical cues can alter the swimming behaviour of juvenile stages of a temperate fish. <i>Marine Environmental Research</i> , 2017, 125, 34-41.	1.1	29
22	Using stereoscopic video cameras to evaluate seagrass meadows nursery function in the Mediterranean. <i>Marine Biology</i> , 2017, 164, 1.	0.7	13
23	Behavioural response to detection of chemical stimuli of predation, feeding and schooling in a temperate juvenile fish. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 486, 140-147.	0.7	10
24	Reproductive resilience: a paradigm shift in understanding spawnerâ€ recruit systems in exploited marine fish. <i>Fish and Fisheries</i> , 2017, 18, 285-312.	2.7	104
25	Oceanographic drivers and mistiming processes shape breeding success in a seabird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152287.	1.2	31
26	The role of ocean velocity in chlorophyll variability. A modelling study in the Alboran Sea. <i>Scientia Marina</i> , 2016, 80, 249-256.	0.3	8
27	Differences in growth and survival between cod <i>Gadus morhua</i> and herring <i>Clupea harengus</i> early stages coâ€ reared at variable prey concentrations. <i>Journal of Fish Biology</i> , 2015, 87, 1176-1190.	0.7	6
28	From egg production to recruits: Connectivity and inter-annual variability in the recruitment patterns of European anchovy in the northwestern Mediterranean. <i>Progress in Oceanography</i> , 2015, 138, 431-447.	1.5	43
29	Ocean acidification increases fatty acids levels of larval fish. <i>Biology Letters</i> , 2015, 11, 20150331.	1.0	25
30	Otolith fluctuating asymmetry: a misconception of its biological relevance?. <i>ICES Journal of Marine Science</i> , 2015, 72, 2079-2089.	1.2	33
31	Larval fish assemblage structure in the surface layer of the northwestern Mediterranean under contrasting oceanographic scenarios. <i>Journal of Plankton Research</i> , 2015, 37, 834-850.	0.8	6
32	Interaction between spawning habitat and coastally steered circulation regulate larval fish retention in a large shallow temperate bay. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 167, 377-389.	0.9	9
33	Coastal observatories for monitoring of fish behaviour and their responses to environmental changes. <i>Reviews in Fish Biology and Fisheries</i> , 2015, 25, 463-483.	2.4	59
34	Adapting to the wild: the case of aquacultureâ€ produced and released meagres <i>Argyrosomus regius</i>. <i>Journal of Fish Biology</i> , 2014, 84, 10-30.	0.7	22
35	Consequences of a future climatic scenario for the anchovy fishery in the Alboran Sea (SW) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5	0.9	20
36	An evaluation of sampling methodology for assessing settlement of temperate fish in seagrass meadows. <i>Mediterranean Marine Science</i> , 2014, 15, 338.	0.6	14

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37	Selective exploitation of spatially structured coastal fish populations by recreational anglers may lead to evolutionary downsizing of adults. <i>Marine Ecology - Progress Series</i> , 2014, 503, 219-233.	0.9	44
38	Dynamic regulation of larval fish self-recruitment in a marine protected area. <i>Fisheries Oceanography</i> , 2013, 22, 477-495.	0.9	13
39	Life cycle ecophysiology of small pelagic fish and climate-driven changes in populations. <i>Progress in Oceanography</i> , 2013, 116, 220-245.	1.5	112
40	Effect of food deprivation on distribution of larval and early juvenile cod in experimental vertical temperature and light gradients. <i>Marine Ecology - Progress Series</i> , 2013, 475, 191-201.	0.9	10
41	Stay off the motorway: Resolving the pre-recruitment life history dynamics of the European anchovy in the SW Mediterranean through a spatially-explicit individual-based model (SEIBM). <i>Progress in Oceanography</i> , 2013, 111, 140-153.	1.5	20
42	Modeling Fish Egg Production and Spatial Distribution from Acoustic Data: A Step Forward into the Analysis of Recruitment. <i>PLoS ONE</i> , 2013, 8, e73687.	1.1	22
43	Recruiting at the Edge: Kinetic Energy Inhibits Anchovy Populations in the Western Mediterranean. <i>PLoS ONE</i> , 2013, 8, e55523.	1.1	35
44	Reproductive output traits of the simultaneous hermaphrodite <i>Serranus scriba</i> in the western Mediterranean. <i>Scientia Marina</i> , 2013, 77, 331-340.	0.3	4
45	Drivers of larval fish assemblage shift during the spring-summer transition in the coastal Mediterranean. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 97, 127-135.	0.9	32
46	Model-based assessment of local-scale fish larval connectivity in a network of marine protected areas. <i>Fisheries Oceanography</i> , 2012, 21, 291-306.	0.9	31
47	Atmospheric-induced variability of hydrological and biogeochemical signatures in the NW Alboran Sea. Consequences for the spawning and nursery habitats of European anchovy. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 1175-1188.	0.6	21
48	Trophic ecology of Atlantic bluefin tuna <i>Thunnus thynnus</i> larvae. <i>Journal of Fish Biology</i> , 2011, 78, 1545-1560.	0.7	47
49	The effect of temperature gradients and stomach fullness on the vertical distribution of larval herring in experimental columns. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 404, 26-32.	0.7	10
50	Growth and feeding patterns of European anchovy (<i>Engraulis encrasicolus</i>) early life stages in the Aegean Sea (NE Mediterranean). <i>Estuarine, Coastal and Shelf Science</i> , 2010, 86, 299-312.	0.9	31
51	Crecimiento del otolito en larvas de lubina europea (<i>Dicentrarchus labrax</i> , L.) bajo régimen de alimentación constante o variable. <i>Scientia Marina</i> , 2009, 73, .	0.3	7
52	Environmental influences on zooplankton and micronekton distribution in the Bransfield Strait and adjacent waters. <i>Polar Biology</i> , 2008, 31, 691-707.	0.5	14
53	Response of muscle-based biochemical condition indices to short-term variations in food availability in post-flexion reared sea bass <i>Dicentrarchus labrax</i> (L.) larvae. <i>Journal of Fish Biology</i> , 2007, 70, 391-405.	0.7	19
54	Diet of larval albacore <i>Thunnus alalunga</i> (Bonnaterre, 1788) off Mallorca Island (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf, 50 62 Td	0.3	29

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55	Spatial and temporal distribution of the early life stages of three commercial fish species in the northeastern shelf of the Gulf of Cádiz. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006, 53, 1391-1401.	0.6	42
56	Spatial and temporal changes of coastal demersal assemblages in the Gulf of Cadiz (SW Spain) in relation to environmental conditions. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006, 53, 1402-1419.	0.6	39
57	Larval fish distribution in two different hydrographic situations in the Gulf of Cádiz. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006, 53, 1377-1390.	0.6	29
58	Link between environmental anomalies, growth and condition of pilchard <i>Sardina pilchardus</i> larvae in the northwestern Mediterranean. <i>Marine Ecology - Progress Series</i> , 2006, 307, 219-231.	0.9	27
59	Seasonal differences in muscle fibre recruitment of pilchard larvae in the north-western Mediterranean. <i>Journal of Fish Biology</i> , 2004, 64, 1605-1615.	0.7	10
60	Early stages of <i>Sardina pilchardus</i> and environmental anomalies in the Northwestern Mediterranean. <i>Estuarine, Coastal and Shelf Science</i> , 2003, 56, 609-619.	0.9	37
61	Quantification of muscle condition using digital image analysis in <i>Dicentrarchus labrax</i> larvae, and relationship with survival. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2002, 82, 649-654.	0.4	11
62	Ontogenetic changes in the retinal topography of the European hake, <i>Merluccius merluccius</i> : implications for feeding and depth distribution. <i>Marine Biology</i> , 2002, 141, 549-559.	0.7	34
63	A closed water recirculation system for ecological studies in marine fish larvae: growth and survival of sea bass larvae fed with live prey. <i>Aquatic Living Resources</i> , 2000, 13, 29-35.	0.5	14
64	The Atlantic-Mediterranean ecological connection: a study on decapod larval communities. <i>Mediterranean Marine Science</i> , 0, , .	0.6	0