

Sylvain Bonhommeau

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

52
papers

2,177
citations

23
h-index

46
g-index

55
ext. papers

2,543
ext. citations

5.1
avg, IF

4.63
L-index

#	Paper	IF	Citations
52	Study differentiating fish oocyte developmental stages using bioimpedance spectroscopy. <i>Aquaculture</i> , 2022 , 547, 737396	4.4	1
51	The environment drives Atlantic bluefin tuna availability in the Gulf of Lions. <i>Fisheries Oceanography</i> , 2021 , 30, 490-498	2.4	
50	Tagging Atlantic bluefin tuna from a Mediterranean spawning ground using a purse seiner. <i>Fisheries Research</i> , 2020 , 226, 105522	2.3	4
49	Early-life ontogenetic developments drive tuna ecology and evolution. <i>Journal of Marine Systems</i> , 2020 , 206, 103307	2.7	1
48	Connectivity and population structure of albacore tuna across southeast Atlantic and southwest Indian Oceans inferred from multidisciplinary methodology. <i>Scientific Reports</i> , 2020 , 10, 15657	4.9	4
47	Larval size-distributions of <i>Ariosoma balearicum</i> cryptic species during the March-April season in the Sargasso Sea Subtropical Convergence Zone. <i>Environmental Biology of Fishes</i> , 2019 , 102, 1231-1252	1.6	3
46	Tagging Atlantic bluefin tuna from a farming cage: An attempt to reduce handling times for large scale deployments. <i>Fisheries Research</i> , 2019 , 211, 27-31	2.3	4
45	Effects of extraction method and storage of dry tissue on marine lipids and fatty acids. <i>Analytica Chimica Acta</i> , 2019 , 1051, 82-93	6.6	14
44	Small pelagic fish dynamics: A review of mechanisms in the Gulf of Lions. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019 , 159, 52-61	2.3	53
43	Sardine (<i>Sardina pilchardus</i>) larval dispersal in the Iberian upwelling system, using coupled biophysical techniques. <i>Progress in Oceanography</i> , 2018 , 162, 83-97	3.8	15
42	On-chip Generation of Sine-wave Summing Digital Signals: an Analytic Study Considering Implementation Constraints. <i>Journal of Electronic Testing: Theory and Applications (JETTA)</i> , 2018 , 34, 281-290	0.7	1
41	Wideband Fully Differential Current Driver with Optimized Output Impedance for Bioimpedance Measurements 2018 ,		2
40	A Hybrid Bioimpedance Spectroscopy Architecture for a Wide Frequency Exploration of Tissue Electrical Properties 2018 ,		2
39	Assessing causal links in fish stock-recruitment relationships. <i>ICES Journal of Marine Science</i> , 2018 , 75, 903-911	2.7	10
38	Predator-prey interactions in the face of management regulations: changes in Mediterranean small pelagic species are not due to increased tuna predation. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017 , 74, 1422-1430	2.4	17
37	Habitat use, vertical and horizontal behaviour of Atlantic bluefin tuna (<i>Thunnus thynnus</i>) in the Northwestern Mediterranean Sea in relation to oceanographic conditions. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017 , 141, 248-261	2.3	5
36	Whether European eel leptocephali use the Earth's magnetic field to guide their migration remains an open question. <i>Current Biology</i> , 2017 , 27, R998-R1000	6.3	5

35	Overfishing causes frequent fish population collapses but rare extinctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E6274	11.5	10
34	Analytical study of on-chip generations of analog sine-wave based on combined digital signals 2017 ,		3
33	Integrating over sea radio channel for sea turtles localization in the Indian Ocean 2017 ,		1
32	The fisheries history of small pelagics in the Northern Mediterranean. <i>ICES Journal of Marine Science</i> , 2016 , 73, 1474-1484	2.7	36
31	Global habitat preferences of commercially valuable tuna. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015 , 113, 102-112	2.3	75
30	The food limitation hypothesis for juvenile marine fish. <i>Fish and Fisheries</i> , 2015 , 16, 373-398	6	74
29	A century of research on the larval distributions of the Atlantic eels: a re-examination of the data. <i>Biological Reviews</i> , 2015 , 90, 1035-64	13.5	61
28	Co-Occurrence and Habitat Use of Fin Whales, Striped Dolphins and Atlantic Bluefin Tuna in the Northwestern Mediterranean Sea. <i>PLoS ONE</i> , 2015 , 10, e0139218	3.7	17
27	Influence of environmental variability and age on the body condition of small pelagic fish in the Gulf of Lions. <i>Marine Ecology - Progress Series</i> , 2015 , 529, 219-231	2.6	56
26	Aerial surveys to monitor bluefin tuna abundance and track efficiency of management measures. <i>Marine Ecology - Progress Series</i> , 2015 , 534, 221-234	2.6	16
25	The spectre of uncertainty in management of exploited fish stocks: The illustrative case of Atlantic bluefin tuna. <i>Marine Policy</i> , 2014 , 47, 8-14	3.5	63
24	Rapid changes in growth, condition, size and age of small pelagic fish in the Mediterranean. <i>Marine Biology</i> , 2014 , 161, 1809-1822	2.5	62
23	Front variability and surface ocean features of the presumed southern bluefin tuna spawning grounds in the tropical southeast Indian Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014 , 107, 64-76	2.3	12
22	Defining Mediterranean and Black Sea biogeochemical subprovinces and synthetic ocean indicators using mesoscale oceanographic features. <i>PLoS ONE</i> , 2014 , 9, e111251	3.7	23
21	Resolving Hjort's Dilemma: How Is Recruitment Related to Spawning Stock Biomass in Marine Fish?. <i>Oceanography</i> , 2014 , 27, 42-47	2.3	46
20	Reply to Roopnarine: What is an apex predator?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E797	11.5	
19	Low larval abundance in the Sargasso Sea: new evidence about reduced recruitment of the Atlantic eels. <i>Die Naturwissenschaften</i> , 2014 , 101, 1041-54	2	22
18	Reply to Feeley and Machovina: Trophic ecology complements estimates of land use change due to food production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E795	11.5	1

17	Oceanographic changes and exploitation drive the spatio-temporal dynamics of Atlantic bluefin tuna (<i>Thunnus thynnus</i>). <i>Fisheries Oceanography</i> , 2014 , 23, 147-156	2.4	39
16	Comparisons of catches of large leptocephali using an IKMT and a large pelagic trawl in the Sargasso Sea. <i>Marine Biodiversity</i> , 2013 , 43, 493-501	1.4	17
15	Eating up the world's food web and the human trophic level. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20617-20	11.5	84
14	The true challenge of giant marine reserves. <i>Science</i> , 2013 , 340, 810-1	33.3	19
13	Sensitivity of advective transfer times across the North Atlantic Ocean to the temporal and spatial resolution of model velocity data: Implication for European eel larval transport. <i>Dynamics of Atmospheres and Oceans</i> , 2012 , 55-56, 22-44	1.9	23
12	Effects of stochasticity in early life history on steepness and population growth rate estimates: an illustration on Atlantic bluefin tuna. <i>PLoS ONE</i> , 2012 , 7, e48583	3.7	16
11	Reconstructing individual food and growth histories from biogenic carbonates. <i>Marine Ecology - Progress Series</i> , 2012 , 447, 151-164	2.6	36
10	Satellite remote sensing for an ecosystem approach to fisheries management. <i>ICES Journal of Marine Science</i> , 2011 , 68, 651-666	2.7	92
9	Global seabird response to forage fish depletion--one-third for the birds. <i>Science</i> , 2011 , 334, 1703-6	33.3	461
8	Global marine primary production constrains fisheries catches. <i>Ecology Letters</i> , 2010 , 13, 495-505	10	267
7	The duration of migration of Atlantic <i>Anguilla</i> larvae. <i>Fish and Fisheries</i> , 2010 , 11, 289-306	6	55
6	Impact of warming on abundance and occurrence of flatfish populations in the Bay of Biscay (France). <i>Journal of Sea Research</i> , 2010 , 64, 45-53	1.9	40
5	How fast can the European eel (<i>Anguilla anguilla</i>) larvae cross the Atlantic Ocean?. <i>Fisheries Oceanography</i> , 2009 , 18, 371-385	2.4	48
4	Estimates of the mortality and the duration of the trans-Atlantic migration of European eel <i>Anguilla anguilla</i> leptocephali using a particle tracking model. <i>Journal of Fish Biology</i> , 2009 , 74, 1891-914 ^{1.9}	1.9	54
3	Impact of climate on eel populations of the Northern Hemisphere. <i>Marine Ecology - Progress Series</i> , 2008 , 373, 71-80	2.6	93
2	Fluctuations in European eel (<i>Anguilla anguilla</i>) recruitment resulting from environmental changes in the Sargasso Sea. <i>Fisheries Oceanography</i> , 2007 , 17, 32-44	2.4	111
1	Electronic tagging of Bluefin Tunas from the Maltese spawning ground suggests size-dependent migration dynamics. <i>Environmental Biology of Fishes</i> , 2007 , 78, 1-11	1.6	2