

Sylvain Bonhommeau

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,832
citations

257450

24
h-index

223800

46
g-index

55
all docs

55
docs citations

55
times ranked

3930
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Seabird Response to Forage Fish Depletion—One-Third for the Birds. <i>Science</i> , 2011, 334, 1703-1706.	12.6	550
2	Global marine primary production constrains fisheries catches. <i>Ecology Letters</i> , 2010, 13, 495-505.	6.4	357
3	Fluctuations in European eel (<i>Anguilla anguilla</i>) recruitment resulting from environmental changes in the Sargasso Sea. <i>Fisheries Oceanography</i> , 2008, 17, 32-44.	1.7	130
4	Global habitat preferences of commercially valuable tuna. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 113, 102-112.	1.4	113
5	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, 20617-20620.	7.1	110
6	The food limitation hypothesis for juvenile marine fish. <i>Fish and Fisheries</i> , 2015, 16, 373-398.	5.3	108
7	Impact of climate on eel populations of the Northern Hemisphere. <i>Marine Ecology - Progress Series</i> , 2008, 373, 71-80.	1.9	106
8	Satellite remote sensing for an ecosystem approach to fisheries management. <i>ICES Journal of Marine Science</i> , 2011, 68, 651-666.	2.5	105
9	Rapid changes in growth, condition, size and age of small pelagic fish in the Mediterranean. <i>Marine Biology</i> , 2014, 161, 1809-1822.	1.5	93
10	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.	1.4	92
11	A century of research on the larval distributions of the Atlantic eels: a re-examination of the data. <i>Biological Reviews</i> , 2015, 90, 1035-1064.	10.4	89
12	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.	3.2	80
13	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.	1.9	80
14	Resolving Hjort's Dilemma: How Is Recruitment Related to Spawning Stock Biomass in Marine Fish?. <i>Oceanography</i> , 2014, 27, 42-47.	1.0	72
15	The duration of migration of Atlantic <i>Anguilla</i> larvae. <i>Fish and Fisheries</i> , 2010, 11, 289-306.	5.3	67
16	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, 1891-1914.	1.6	62
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.	1.7	59
18	How fast can the European eel (<i>Anguilla anguilla</i>) larvae cross the Atlantic Ocean?. <i>Fisheries Oceanography</i> , 2009, 18, 371-385.	1.7	57

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19	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.	1.6	49
20	The fisheries history of small pelagics in the Northern Mediterranean. <i>ICES Journal of Marine Science</i> , 2016, 73, 1474-1484.	2.5	48
21	Reconstructing individual food and growth histories from biogenic carbonates. <i>Marine Ecology - Progress Series</i> , 2012, 447, 151-164.	1.9	44
22	Low larval abundance in the Sargasso Sea: new evidence about reduced recruitment of the Atlantic eels. <i>Die Naturwissenschaften</i> , 2014, 101, 1041-1054.	1.6	30
23	Defining Mediterranean and Black Sea Biogeochemical Subprovinces and Synthetic Ocean Indicators Using Mesoscale Oceanographic Features. <i>PLoS ONE</i> , 2014, 9, e111251.	2.5	29
24	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.	1.8	27
25	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.	2.5	26
26	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.	1.4	24
27	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.	3.2	21
28	Effects of extraction method and storage of dry tissue on marine lipids and fatty acids. <i>Analytica Chimica Acta</i> , 2019, 1051, 82-93.	5.4	20
29	The True Challenge of Giant Marine Reserves. <i>Science</i> , 2013, 340, 810-811.	12.6	19
30	Aerial surveys to monitor bluefin tuna abundance and track efficiency of management measures. <i>Marine Ecology - Progress Series</i> , 2015, 534, 221-234.	1.9	19
31	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.	1.0	18
32	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.	1.4	18
33	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.	2.5	18
34	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.	7.1	16
35	Assessing causal links in fish stock-recruitment relationships. <i>ICES Journal of Marine Science</i> , 2018, 75, 903-911.	2.5	16
36	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.	3.3	13

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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.	1.4	7
38	Whether European eel <i>leptocephali</i> use the Earth's magnetic field to guide their migration remains an open question. <i>Current Biology</i> , 2017, 27, R998-R1000.	3.9	5
39	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.	1.7	5
40	Tagging Atlantic bluefin tuna from a Mediterranean spawning ground using a purse seiner. <i>Fisheries Research</i> , 2020, 226, 105522.	1.7	5
41	Analytical study of on-chip generations of analog sine-wave based on combined digital signals. , 2017, , .		4
42	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.	1.0	4
43	Electronic tagging of Bluefin Tunas from the Maltese spawning ground suggests size-dependent migration dynamics. <i>Environmental Biology of Fishes</i> , 2022, 105, 635-644.	1.0	3
44	A Hybrid Bioimpedance Spectroscopy Architecture for a Wide Frequency Exploration of Tissue Electrical Properties. , 2018, , .		2
45	Oversea Radio Measurements and Channel Characterization with LoRa Technology. , 2018, , .		2
46	Wideband Fully Differential Current Driver with Optimized Output Impedance for Bioimpedance Measurements. , 2018, , .		2
47	Early-life ontogenetic developments drive tuna ecology and evolution. <i>Journal of Marine Systems</i> , 2020, 206, 103307.	2.1	2
48	Study differentiating fish oocyte developmental stages using bioimpedance spectroscopy. <i>Aquaculture</i> , 2022, 547, 737396.	3.5	2
49	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-E795.	7.1	1
50	Integrating over sea radio channel for sea turtles localization in the Indian Ocean. , 2017, , .		1
51	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.	1.2	1
52	The environment drives Atlantic bluefin tuna availability in the Gulf of Lions. <i>Fisheries Oceanography</i> , 2021, 30, 490-498.	1.7	1
53	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-E797.	7.1	0
54	Why satellite localization beacons are not adapted for marine turtles' study: A sea wireless sensors network solution. , 2017, , .		0

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55	Mixed-level simulation tool for design optimization of electrical impedance spectroscopy systems. , 2018, , 71-80.		0