

Herve Demarcq

List of Publications by Year in descending order

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46
papers

1,851
citations

304743

22
h-index

265206

42
g-index

47
all docs

47
docs citations

47
times ranked

2566
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-regional ecosystem variability in the Canary Current upwelling. <i>Progress in Oceanography</i> , 2009, 83, 33-48.	3.2	317
2	An improved coastal upwelling index from sea surface temperature using satellite-based approach – The case of the Canary Current upwelling system. <i>Continental Shelf Research</i> , 2014, 81, 38-54.	1.8	119
3	Trends in primary production, sea surface temperature and wind in upwelling systems (1998–2007). <i>Progress in Oceanography</i> , 2009, 83, 376-385.	3.2	118
4	Satellite remote sensing for an ecosystem approach to fisheries management. <i>ICES Journal of Marine Science</i> , 2011, 68, 651-666.	2.5	105
5	Coastal upwelling and associated retention indices derived from satellite SST. Application to Octopus vulgaris recruitment. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , 2000, 23, 391-408.	0.7	95
6	Mesoscale frontal structures in the Canary Upwelling System: New front and filament detection algorithms applied to spatial and temporal patterns. <i>Remote Sensing of Environment</i> , 2012, 123, 339-346.	11.0	94
7	Estimating environmental preferences of South African pelagic fish species using catch size- and remote sensing data. <i>Progress in Oceanography</i> , 2003, 59, 275-300.	3.2	75
8	Spatial management of Indian Ocean tropical tuna fisheries: potential and perspectives. <i>ICES Journal of Marine Science</i> , 2014, 71, 1728-1749.	2.5	75
9	Climatology and Variability of Sea Surface Temperature and Surface Chlorophyll in the Benguela and Agulhas Ecosystems As Observed by Satellite Imagery. <i>African Journal of Marine Science</i> , 2003, 25, 363-372.	1.1	64
10	The specificity of marine ecological indicators to fishing in the face of environmental change: A multi-model evaluation. <i>Ecological Indicators</i> , 2018, 89, 317-326.	6.3	58
11	Application of a chlorophyll index derived from satellite data to investigate the variability of phytoplankton in the Benguela ecosystem. <i>African Journal of Marine Science</i> , 2007, 29, 271-282.	1.1	52
12	The importance of retention processes in upwelling areas for recruitment of Octopus vulgaris: the example of the Arguin Bank (Mauritania). <i>Fisheries Oceanography</i> , 2000, 9, 343-355.	1.7	49
13	Monitoring marine phytoplankton seasonality from space. <i>Remote Sensing of Environment</i> , 2012, 117, 211-222.	11.0	41
14	Density dependence, prey accessibility and prey depletion by fisheries drive Peruvian seabird population dynamics. <i>Ecography</i> , 2018, 41, 1092-1102.	4.5	40
15	Mesoscale exploitation of a major tuna concentration in the Indian Ocean. <i>Aquatic Living Resources</i> , 2008, 21, 109-121.	1.2	38
16	A review and tests of hypotheses about causes of the KwaZulu-Natal sardine run. <i>African Journal of Marine Science</i> , 2010, 32, 449-479.	1.1	38
17	Seasonality in marine ecosystems: Peruvian seabirds, anchovy, and oceanographic conditions. <i>Ecology</i> , 2016, 97, 182-193.	3.2	32
18	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

#	ARTICLE	IF	CITATIONS
19	Environmental control of the recruitment of sardines (<i>Sardina pilchardus</i>) over the western Saharan shelf between 1995 and 2002: a coupled physical/biogeochemical modelling experiment. Fisheries Oceanography, 2009, 18, 287-300.	1.7	28
20	New insights in the spatial dynamics of sardinella stocks off Mauritania (North-West Africa) based on logbook data analysis. Fisheries Research, 2014, 154, 195-204.	1.7	27
21	Contrasted optimal environmental windows for both sardinella species in Senegalese waters. Fisheries Oceanography, 2018, 27, 351-365.	1.7	27
22	Co-Occurrence and Habitat Use of Fin Whales, Striped Dolphins and Atlantic Bluefin Tuna in the Northwestern Mediterranean Sea. PLoS ONE, 2015, 10, e0139218.	2.5	26
23	Questions relative to ITCZ migrations over the tropical Atlantic ocean, sea surface temperature and Senegal River runoff. Meteorology and Atmospheric Physics, 1989, 41, 181-190.	2.0	24
24	Environmental factors and megafauna spatio-temporal co-occurrence with purse-seine fisheries. Fisheries Oceanography, 2016, 25, 433-447.	1.7	24
25	On the temporal memory of coastal upwelling off NW Africa. Journal of Geophysical Research: Oceans, 2014, 119, 6356-6380.	2.6	23
26	Micronekton diel migration, community composition and trophic position within two biogeochemical provinces of the South West Indian Ocean: Insight from acoustics and stable isotopes. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 138, 85-97.	1.4	22
27	3-D habitat suitability of jack mackerel <i>Trachurus murphyi</i> in the Southeastern Pacific, a comprehensive study. Progress in Oceanography, 2016, 146, 199-211.	3.2	20
28	Generalised model of primary production in the southern Benguela upwelling system. Marine Ecology - Progress Series, 2008, 354, 59-74.	1.9	20
29	Fine-scale recognition and use of mesoscale fronts by foraging Cape gannets in the Benguela upwelling region. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 107, 77-84.	1.4	19
30	Front variability and surface ocean features of the presumed southern bluefin tuna spawning grounds in the tropical southeast Indian Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 107, 64-76.	1.4	18
31	Ecosystem scenarios shape fishermen spatial behavior. The case of the Peruvian anchovy fishery in the Northern Humboldt Current System. Progress in Oceanography, 2014, 128, 60-73.	3.2	15
32	Spatio-Temporal Dynamics of Exploited Groundfish Species Assemblages Faced to Environmental and Fishing Forcings: Insights from the Mauritanian Exclusive Economic Zone. PLoS ONE, 2015, 10, e0141566.	2.5	13
33	Detection of mesoscale thermal fronts from 4km data using smoothing techniques: Gradient-based fronts classification and basin scale application. Remote Sensing of Environment, 2015, 164, 225-237.	11.0	12
34	Studying the contribution of different fishing gears to the <i>Sardinella</i> small-scale fishery in Senegalese waters. Aquatic Living Resources, 2017, 30, 27.	1.2	12
35	6 Variability of plankton with reference to fish variability in the Benguela current large marine ecosystem—An overview. Large Marine Ecosystems, 2006, 14, 91-124.	0.2	11
36	On the robustness of an eastern boundary upwelling ecosystem exposed to multiple stressors. Scientific Reports, 2021, 11, 1908.	3.3	11

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37	Multiscale Event-Based Mining in Geophysical Time Series: Characterization and Distribution of Significant Time-Scales in the Sea Surface Temperature Anomalies Relatively to ENSO Periods from 1985 to 2009. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3543-3552.	4.9	9
38	Use of nighttime visible images in the study of the spatial and temporal variability of fishing areas of jumbo flying squid (Dosidicus gigas) outside Peruvian EEZ 2004-2015. Fisheries Research, 2017, 191, 144-153.	1.7	8
39	An index of coastal thermal effects of El Niño Southern Oscillation on the Peruvian Upwelling Ecosystem. International Journal of Climatology, 2018, 38, 3191-3201.	3.5	8
40	ENSO Climate Forcing of the Marine Mercury Cycle in the Peruvian Upwelling Zone Does Not Affect Methylmercury Levels of Marine Avian Top Predators. Environmental Science & Technology, 2021, 55, 15754-15765.	10.0	8
41	Habitat use, vertical and horizontal behaviour of Atlantic bluefin tuna (Thunnus thynnus) in the Northwestern Mediterranean Sea in relation to oceanographic conditions. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 141, 248-261.	1.4	7
42	Spatio-temporal variability of a chlorophyll-a based biomass index and influence of coastal sources of enrichment in the Algerian Basin. Continental Shelf Research, 2022, 232, 104629.	1.8	7
43	Predicting bycatch hotspots in tropical tuna purse seine fisheries at the basin scale. Global Ecology and Conservation, 2020, 24, e01393.	2.1	4
44	Groundfish assemblages diversity in upwelling ecosystems: insights from the Mauritanian Exclusive Economic Zone. Biodiversity and Conservation, 2021, 30, 2279-2304.	2.6	2
45	Spatial and interannual variability of presettlement tropical fish assemblages explained by remote sensing oceanic conditions. Marine Biodiversity, 2020, 50, 1.	1.0	0
46	Potential Roles Of Eddy Kinetic Energy And Turbulence In Controlling The Bio-optical Ocean Properties. E3S Web of Conferences, 2021, 279, 04001.	0.5	0