

# Herve Demarcq

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8136191/publications.pdf>

Version: 2024-02-01

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  | Spatio-temporal variability of a chlorophyll-a based biomass index and influence of coastal sources of enrichment in the Algerian Basin. <i>Continental Shelf Research</i> , 2022, 232, 104629.   | 1.8  | 7         |
| 2  | On the robustness of an eastern boundary upwelling ecosystem exposed to multiple stressors. <i>Scientific Reports</i> , 2021, 11, 1908.   | 3.3  | 11        |
| 3  | Groundfish assemblages diversity in upwelling ecosystems: insights from the Mauritanian Exclusive Economic Zone. <i>Biodiversity and Conservation</i> , 2021, 30, 2279-2304.  | 2.6  | 2         |
| 4  | Potential Roles Of Eddy Kenetic Energy And Turbulence In Controlling The Bio-optical Ocean Proprieties. <i>E3S Web of Conferences</i> , 2021, 279, 04001.   | 0.5  | 0         |
| 5  | ENSO Climate Forcing of the Marine Mercury Cycle in the Peruvian Upwelling Zone Does Not Affect Methylmercury Levels of Marine Avian Top Predators. <i>Environmental Science &amp; Technology</i> , 2021, 55, 15754-15765.  | 10.0 | 8         |
| 6  | Spatial and interannual variability of presettlement tropical fish assemblages explained by remote sensing oceanic conditions. <i>Marine Biodiversity</i> , 2020, 50, 1.  | 1.0  | 0         |
| 7  | Predicting bycatch hotspots in tropical tuna purse seine fisheries at the basin scale. <i>Global Ecology and Conservation</i> , 2020, 24, e01393.   | 2.1  | 4         |
| 8  | 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        |
| 9  | An index of coastal thermal effects of El Niño Southern Oscillation on the Peruvian Upwelling Ecosystem. <i>International Journal of Climatology</i> , 2018, 38, 3191-3201.   | 3.5  | 8         |
| 10 | Contrasted optimal environmental windows for both sardinella species in Senegalese waters. <i>Fisheries Oceanography</i> , 2018, 27, 351-365.   | 1.7  | 27        |
| 11 | Density dependence, prey accessibility and prey depletion by fisheries drive Peruvian seabird population dynamics. <i>Ecography</i> , 2018, 41, 1092-1102.  | 4.5  | 40        |
| 12 | Micronekton diel migration, community composition and trophic position within two biogeochemical provinces of the South West Indian Ocean: Insight from acoustics and stable isotopes. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 138, 85-97. | 1.4  | 22        |
| 13 | 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         |
| 14 | Use of nighttime visible images in the study of the spatial and temporal variability of fishing areas of jumbo flying squid ( <i>Dosidicus gigas</i> ) outside Peruvian EEZ 2004-2015. <i>Fisheries Research</i> , 2017, 191, 144-153.                                    | 1.7  | 8         |
| 15 | Studying the contribution of different fishing gears to the <i>Sardinella</i> small-scale fishery in Senegalese waters. <i>Aquatic Living Resources</i> , 2017, 30, 27.   | 1.2  | 12        |
| 16 | Environmental factors and megafauna spatio-temporal co-occurrence with purse-seine fisheries. <i>Fisheries Oceanography</i> , 2016, 25, 433-447.  | 1.7  | 24        |
| 17 | 3-D habitat suitability of jack mackerel <i>Trachurus murphyi</i> in the Southeastern Pacific, a comprehensive study. <i>Progress in Oceanography</i> , 2016, 146, 199-211.   | 3.2  | 20        |
| 18 | Seasonality in marine ecosystems: Peruvian seabirds, anchovy, and oceanographic conditions. <i>Ecology</i> , 2016, 97, 182-193.   | 3.2  | 32        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | 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        |
| 22 | Defining Mediterranean and Black Sea Biogeochemical Subprovinces and Synthetic Ocean Indicators Using Mesoscale Oceanographic Features. PLoS ONE, 2014, 9, e111251.   | 2.5  | 29        |
| 23 | 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         |
| 24 | An improved coastal upwelling index from sea surface temperature using satellite-based approach – The case of the Canary Current upwelling system. Continental Shelf Research, 2014, 81, 38-54.   | 1.8  | 119       |
| 25 | Spatial management of Indian Ocean tropical tuna fisheries: potential and perspectives. ICES Journal of Marine Science, 2014, 71, 1728-1749.  | 2.5  | 75        |
| 26 | 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        |
| 27 | 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        |
| 28 | 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        |
| 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 | On the temporal memory of coastal upwelling off NW Africa. Journal of Geophysical Research: Oceans, 2014, 119, 6356-6380.   | 2.6  | 23        |
| 31 | Monitoring marine phytoplankton seasonality from space. Remote Sensing of Environment, 2012, 117, 211-222.  | 11.0 | 41        |
| 32 | Mesoscale frontal structures in the Canary Upwelling System: New front and filament detection algorithms applied to spatial and temporal patterns. Remote Sensing of Environment, 2012, 123, 339-346.   | 11.0 | 94        |
| 33 | Satellite remote sensing for an ecosystem approach to fisheries management. ICES Journal of Marine Science, 2011, 68, 651-666.  | 2.5  | 105       |
| 34 | A review and tests of hypotheses about causes of the KwaZulu-Natal sardine run. African Journal of Marine Science, 2010, 32, 449-479.   | 1.1  | 38        |
| 35 | Trends in primary production, sea surface temperature and wind in upwelling systems (1998–2007). Progress in Oceanography, 2009, 83, 376-385.   | 3.2  | 118       |
| 36 | Sub-regional ecosystem variability in the Canary Current upwelling. Progress in Oceanography, 2009, 83, 33-48.  | 3.2  | 317       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | 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        |
| 38 | Mesoscale exploitation of a major tuna concentration in the Indian Ocean. Aquatic Living Resources, 2008, 21, 109-121.  | 1.2 | 38        |
| 39 | Generalised model of primary production in the southern Benguela upwelling system. Marine Ecology - Progress Series, 2008, 354, 59-74.  | 1.9 | 20        |
| 40 | Application of a chlorophyll index derived from satellite data to investigate the variability of phytoplankton in the Benguela ecosystem. African Journal of Marine Science, 2007, 29, 271-282.   | 1.1 | 52        |
| 41 | 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        |
| 42 | Estimating environmental preferences of South African pelagic fish species using catch size- and remote sensing data. Progress in Oceanography, 2003, 59, 275-300.  | 3.2 | 75        |
| 43 | Climatology and Variability of Sea Surface Temperature and Surface Chlorophyll in the Benguela and Agulhas Ecosystems As Observed by Satellite Imagery. African Journal of Marine Science, 2003, 25, 363-372.                               | 1.1 | 64        |
| 44 | The importance of retention processes in upwelling areas for recruitment of <i>Octopus vulgaris</i> : the example of the Arguin Bank (Mauritania). Fisheries Oceanography, 2000, 9, 343-355.  | 1.7 | 49        |
| 45 | Coastal upwelling and associated retention indices derived from satellite SST. Application to <i>Octopus vulgaris</i> recruitment. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 2000, 23, 391-408.   | 0.7 | 95        |
| 46 | 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        |