Guillem Chust

List of Publications by Year
in descending order

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Version: 2024-02-01

84	4,140	94433	123424
papers	citations	37 h-index	61 g-index

85	85	85	6552
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Climate regime shifts and biodiversity redistribution in the Bay of Biscay. Science of the Total Environment, 2022, 803, 149622.	8.0	20
2	HyDiaD: A hybrid species distribution model combining dispersal, multi-habitat suitability, and population dynamics for diadromous species under climate change scenarios. Ecological Modelling, 2022, 470, 109997.	2.5	5
3	Niche segregation mechanisms in marine apex predators inhabiting dynamic environments. Diversity and Distributions, 2021, 27, 799-815.	4.1	3
4	Estimated footprint of shellfishing activities in Zostera noltei meadows in a northern Spain estuary: Lessons for management. Estuarine, Coastal and Shelf Science, 2021, 254, 107320.	2.1	7
5	Impact of climate change on beach erosion in the Basque Coast (NE Spain). Coastal Engineering, 2021, 167, 103916.	4.0	6
6	The Role of Climate, Oceanography, and Prey in Driving Decadal Spatio-Temporal Patterns of a Highly Mobile Top Predator. Frontiers in Marine Science, 2021, 8, .	2.5	6
7	Are shifts in species distribution triggered by climate change? A swordfish case study. Deep-Sea Research Part II: Topical Studies in Oceanography, 2020, 175, 104666.	1.4	12
8	Panâ€regional marine benthic cryptobiome biodiversity patterns revealed by metabarcoding Autonomous Reef Monitoring Structures. Molecular Ecology, 2020, 29, 4882-4897.	3.9	19
9	Changing fish distributions challenge the effective management of European fisheries. Ecography, 2020, 43, 494-505.	4.5	58
10	Modelling species presenceâ€“absence in the ecological niche theory framework using shape-constrained generalized additive models. Ecological Modelling, 2020, 418, 108926.	2.5	21
11	Response of copepod communities to ocean warming in three time-series across the North Atlantic and Mediterranean Sea. Marine Ecology - Progress Series, 2020, 636, 47-61.	1.9	14
12	Identifying main interactions in marine predatorâ€“prey networks of the Bay of Biscay. ICES Journal of Marine Science, 2019, 76, 2247-2259.	2.5	20
13	Forever young: The successful story of a marine biotic index. Advances in Marine Biology, 2019, 82, 93-127.	1.4	43
14	Largeâ€scale distribution of tuna species in a warming ocean. Global Change Biology, 2019, 25, 2043-2060.	9.5	92
15	Earlier migration and distribution changes of albacore in the Northeast Atlantic. Fisheries Oceanography, 2019, 28, 505-516.	1.7	14
16	Historical trends and future distribution of anchovy spawning in the Bay of Biscay. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 159, 169-182.	1.4	26
17	Threshold responses in bird mortality driven by extreme wind events. Ecological Indicators, 2019, 99, 183-192.	6.3	6
18	Large-scale ocean connectivity and planktonic body size. Nature Communications, 2018, 9, 142.	12.8	102

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19	Long-term decline of the canopy-forming algae Gelidium corneum , associated to extreme wave events and reduced sunlight hours, in the southeastern Bay of Biscay. Estuarine, Coastal and Shelf Science, 2018, 205, 152-160.	2.1	22
20	Projecting present and future habitat suitability of ship-mediated aquatic invasive species in the Canadian Arctic. Biological Invasions, 2018, 20, 501-517.	2.4	66
21	Living under stressful conditions: Fish life history strategies across environmental gradients in estuaries. Estuarine, Coastal and Shelf Science, 2017, 188, 18-26.	2.1	42
22	Climate oscillations reflected within the microbiome of Arabian Sea sediments. Scientific Reports, 2017, 7, 6040.	3.3	74
23	Functional redundancy and sensitivity of fish assemblages in European rivers, lakes and estuarine ecosystems. Scientific Reports, 2017, 7, 17611.	3.3	35
24	Mare Incognitum: A Glimpse into Future Plankton Diversity and Ecology Research. Frontiers in Marine Science, 2017, 4, .	2.5	10
25	Effect of trampling and digging from shellfishing on Zostera noltei (Zosteraceae) intertidal seagrass beds. Scientia Marina, 2017, 81, 121.	0.6	14
26	A Dark Hole in Our Understanding of Marine Ecosystems and Their Services: Perspectives from the Mesopelagic Community. Frontiers in Marine Science, 2016, 3, .	2.5	180
27	Present and Future Potential Habitat Distribution of Carcharhinus falciformis and Canthidermis maculata By-Catch Species in the Tropical Tuna Purse-Seine Fishery under Climate Change. Frontiers in Marine Science, 2016, 3, .	2.5	31
28	Thermal Niche Tracking and Future Distribution of Atlantic Mackerel Spawning in Response to Ocean Warming. Frontiers in Marine Science, 2016, 3, .	2.5	50
29	Uses of Innovative Modeling Tools within the Implementation of the Marine Strategy Framework Directive. Frontiers in Marine Science, 2016, 3, .	2.5	32
30	â€˜The past is the future of the presentâ€™: Learning from long-time series of marine monitoring. Science of the Total Environment, 2016, 566-567, 698-711.	8.0	50
31	Dispersal similarly shapes both population genetics and community patterns in the marine realm. Scientific Reports, 2016, 6, 28730.	3.3	45
32	Restoring fish ecological quality in estuaries: Implication of interactive and cumulative effects among anthropogenic stressors. Science of the Total Environment, 2016, 542, 383-393.	8.0	97
33	The contribution of migratory mesopelagic fishes to neuston fish assemblages across the Atlantic, Indian and Pacific Oceans. Marine and Freshwater Research, 2016, 67, 1114.	1.3	28
34	Biodiversity in the by-catch communities of the pelagic ecosystem in the Western Indian Ocean. Biodiversity and Conservation, 2015, 24, 2647-2671.	2.6	19
35	Using ecological models to assess ecosystem status in support of the European Marine Strategy Framework Directive. Ecological Indicators, 2015, 58, 175-191.	6.3	97
36	Increasing the chance of a successful restoration of Zostera noltii meadows. Aquatic Botany, 2015, 127, 12-19.	1.6	17

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37	Mapping estuarine habitats using airborne hyperspectral imagery, with special focus on seagrass meadows. Estuarine, Coastal and Shelf Science, 2015, 164, 433-442.	2.1	25
38	Global habitat preferences of commercially valuable tuna. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 113, 102-112.	1.4	113
39	Modelling the future biogeography of North Atlantic zooplankton communities in response to climate change. Marine Ecology - Progress Series, 2015, 531, 121-142.	1.9	48
40	Biogeography of key mesozooplankton species in the North Atlantic and egg production of <i>Calanus finmarchicus</i>. Earth System Science Data, 2015, 7, 223-230.	9.9	1
41	Are Calanus spp. shifting poleward in the North Atlantic? A habitat modelling approach. ICES Journal of Marine Science, 2014, 71, 241-253.	2.5	83
42	Projecting future distribution of the seagrass Zostera noltii under global warming and sea level rise. Biological Conservation, 2014, 170, 74-85.	4.1	92
43	The North Atlantic Ocean as habitat for Calanus finmarchicus: Environmental factors and life history traits. Progress in Oceanography, 2014, 129, 244-284.	3.2	163
44	Biomass changes and trophic amplification of plankton in a warmer ocean. Global Change Biology, 2014, 20, 2124-2139.	9.5	176
45	Monitoring spatio-temporal variability of the Adour River turbid plume (Bay of Biscay, France) with MODIS 250-m imagery. Continental Shelf Research, 2014, 74, 35-49.	1.8	64
46	Probabilistic correction of RCM precipitation in the Basque Country (Northern Spain). Theoretical and Applied Climatology, 2014, 117, 317-329.	2.8	14
47	Setting the maximum ecological potential of benthic communities, to assess ecological status, in heavily morphologically-modified estuarine water bodies. Marine Pollution Bulletin, 2013, 71, 199-208.	5.0	15
48	Connectivity, neutral theories and the assessment of species vulnerability to global change in temperate estuaries. Estuarine, Coastal and Shelf Science, 2013, 131, 52-63.	2.1	28
49	Latitudinal phytoplankton distribution and the neutral theory of biodiversity. Global Ecology and Biogeography, 2013, 22, 531-543.	5.8	93
50	Comparing the performance of species distribution models of Zostera marina: Implications for conservation. Journal of Sea Research, 2013, 83, 56-64.	1.6	35
51	Water quality monitoring in Basque coastal areas using local chlorophyll-<inline-formula><math display="inline" overflow="scroll"><mrow><mi>a</mi></mrow></math></inline-formula> algorithm and MERIS images. Journal of Applied Remote Sensing, 2012, 6, 063519.	1.3	7
52	Alternative model for precipitation probability Âdistribution: application to Spain. Climate Research, 2012, 51, 23-33.	1.1	6
53	A Marine Spatial Planning Approach to Select Suitable Areas for Installing Wave Energy Converters (WECs), on the Basque Continental Shelf (Bay of Biscay). Coastal Management, 2012, 40, 1-19.	2.0	43
54	Water quality assessment using satellite-derived chlorophyll-a within the European directives, in the southeastern Bay of Biscay. Marine Pollution Bulletin, 2012, 64, 739-750.	5.0	47

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55	Effect of sea level extremes on the western Basque coast during the 21st century. Climate Research, 2012, 51, 237-248.	1.1	20
56	Ecosystem-based marine spatial management: Review of concepts, policies, tools, and critical issues. Ocean and Coastal Management, 2011, 54, 807-820.	4.4	327
57	Modelling suitable estuarine habitats for Zostera noltii, using Ecological Niche Factor Analysis and Bathymetric LiDAR. Estuarine, Coastal and Shelf Science, 2011, 94, 144-154.	2.1	52
58	Factors determining the distribution and betadiversity of mesozooplankton species in shelf and coastal waters of the Bay of Biscay. Journal of Plankton Research, 2011, 33, 1182-1192.	1.8	20
59	Estimation of chlorophyll-a concentration in waters over the continental shelf of the Bay of Biscay: a comparison of remote sensing algorithms. International Journal of Remote Sensing, 2011, 32, 8349-8371.	2.9	9
60	Climate change impacts on coastal and pelagic environments in the southeastern Bay of Biscay. Climate Research, 2011, 48, 307-332.	1.1	37
61	Regional scenarios of sea level rise and impacts on Basque (Bay of Biscay) coastal habitats, throughout the 21st century. Estuarine, Coastal and Shelf Science, 2010, 87, 113-124.	2.1	44
62	Capabilities of the bathymetric Hawk Eye LiDAR for coastal habitat mapping: A case study within a Basque estuary. Estuarine, Coastal and Shelf Science, 2010, 89, 200-213.	2.1	80
63	Morphological characteristics of the Basque continental shelf (Bay of Biscay, northern Spain); their implications for Integrated Coastal Zone Management. Geomorphology, 2010, 118, 314-329.	2.6	71
64	Estimating turbidity and total suspended matter in the Adour River plume (South Bay of Biscay) using MODIS 250-m imagery. Continental Shelf Research, 2010, 30, 379-392.	1.8	204
65	What drove tuna catches between 1525 and 1756 in southern Europe?. ICES Journal of Marine Science, 2009, 66, 1595-1604.	2.5	14
66	Predicting suitable habitat for the European lobster (Homarus gammarus), on the Basque continental shelf (Bay of Biscay), using Ecological-Niche Factor Analysis. Ecological Modelling, 2009, 220, 556-567.	2.5	100
67	Human impacts overwhelm the effects of sea-level rise on Basque coastal habitats (N Spain) between 1954 and 2004. Estuarine, Coastal and Shelf Science, 2009, 84, 453-462.	2.1	46
68	Spatial modelling of spider biodiversity: matters of scale. Biodiversity and Conservation, 2009, 18, 1945-1962.	2.6	18
69	Low-salinity plumes in the oceanic region of the Basque Country. Continental Shelf Research, 2009, 29, 970-984.	1.8	73
70	Coastal and estuarine habitat mapping, using LIDAR height and intensity and multi-spectral imagery. Estuarine, Coastal and Shelf Science, 2008, 78, 633-643.	2.1	148
71	Gall wasps and their parasitoids in cork oak fragmented forests. Ecological Entomology, 2007, 32, 82-91.	2.2	16
72	The multi-angle view of MISR detects oil slicks under sun glitter conditions. Remote Sensing of Environment, 2007, 107, 232-239.	11.0	71

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73	Determinants and spatial modeling of tree Î²â€diversity in a tropical forest landscape in Panama. Journal of Vegetation Science, 2006, 17, 83-92.	2.2	80
74	Floristic patterns and plant traits of Mediterranean communities in fragmented habitats. Journal of Biogeography, 2006, 33, 1235-1245.	3.0	24
75	Determinants and spatial modeling of tree Î²-diversity in a tropical forest landscape in Panama. Journal of Vegetation Science, 2006, 17, 83.	2.2	7
76	Error propagation and scaling for tropical forest biomass estimates. , 2005, , 155-164.		5
77	Scale dependency of insect assemblages in response to landscape pattern. Landscape Ecology, 2004, 19, 41-57.	4.2	53
78	Land cover discrimination potential of radar multitemporal series and optical multispectral images in a Mediterranean cultural landscape. International Journal of Remote Sensing, 2004, 25, 3513-3528.	2.9	40
79	Land cover mapping with patch-derived landscape indices. Landscape and Urban Planning, 2004, 69, 437-449.	7.5	36
80	Identification of landscape units from an insect perspective. Ecography, 2003, 26, 257-268.	4.5	34
81	Response of Soil Fauna to Landscape Heterogeneity: Determining Optimal Scales for Biodiversity Modeling. Conservation Biology, 2003, 17, 1712-1723.	4.7	60
82	<title>Capabilities of ERS sensors for Mediterranean vegetation detection using multitemporal data</title>. , 2000, , .		1
83	Characterizing human-modelled landscapes at a stationary state: a case study of Minorca, Spain. Environmental Conservation, 1999, 26, 322-331.	1.3	13
84	Spatiotemporal analysis for characterizing the landscape of the biosphere reserve of Menorca, Spain, using remote sensing data. , 1998, , .		0