FranÃ§ois Guilhaumon

List of Publications by Year
in descending order

69 papers	6,222 citations	117571 34 h-index	91828 69 g-index
72 all docs	72 docs citations	72 times ranked	9459 citing authors

#	Article	IF	Citations
1	The Biodiversity of the Mediterranean Sea: Estimates, Patterns, and Threats. PLoS ONE, 2010, 5, e11842.	1.1	1,439
2	The effects of phenotypic plasticity and local adaptation on forecasts of species range shifts under climate change. Ecology Letters, 2014, 17, 1351-1364.	3.0	802
3	The Mediterranean Sea under siege: spatial overlap between marine biodiversity, cumulative threats and marine reserves. Global Ecology and Biogeography, 2012, 21, 465-480.	2.7	488
4	Arthropod Diversity in a Tropical Forest. Science, 2012, 338, 1481-1484.	6.0	445
5	The island speciesâ€"area relationship: biology and statistics. Journal of Biogeography, 2012, 39, 215-231.	1.4	313
6	The Mediterranean Sea as a â€˜culâ€deâ€sacâ€™ for endemic fishes facing climate change. Global Change Biology, 2010, 16, 3233-3245.	4.2	201
7	Towards a consensus for calculating dendrogramâ€based functional diversity indices. Oikos, 2008, 117, 794-800.	1.2	143
8	Protected and Threatened Components of Fish Biodiversity in the Mediterranean Sea. Current Biology, 2011, 21, 1044-1050.	1.8	125
9	On the form of speciesâ€"area relationships in habitat islands and true islands. Global Ecology and Biogeography, 2016, 25, 847-858.	2.7	123
10	Multifaceted diversityâ€"area relationships reveal global hotspots of mammalian species, trait and lineage diversity. Global Ecology and Biogeography, 2014, 23, 836-847.	2.7	110
11	Taxonomic and regional uncertainty in species-area relationships and the identification of richness hotspots. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15458-15463.	3.3	104
12	Projected climate change and the changing biogeography of coastal Mediterranean fishes. Journal of Biogeography, 2013, 40, 534-547.	1.4	104
13	Functional biogeography of oceanic islands and the scaling of functional diversity in the Azores. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13709-13714.	3.3	103
14	Combining projected changes in species richness and composition reveals climate change impacts on coastal Mediterranean fish assemblages. Global Change Biology, 2012, 18, 2995-3003.	4.2	98
15	Global mismatch between species richness and vulnerability of reef fish assemblages. Ecology Letters, 2014, 17, 1101-1110.	3.0	78
16	Conserving the functional and phylogenetic trees of life of European tetrapods. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140005.	1.8	70
17	Predicting trophic guild and diet overlap from functional traits: statistics, opportunities and limitations for marine ecology. Marine Ecology - Progress Series, 2011, 436, 17-28.	0.9	69
18	How good is your marine protected area at curbing threats?. Biological Conservation, 2018, 221, 237-245.	1.9	69

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19	An End-to-End Model Reveals Losers and Winners in a Warming Mediterranean Sea. Frontiers in Marine Science, 2019, 6, .	1.2	66
20	sars: an R package for fitting, evaluating and comparing speciesâ€“area relationship models. Ecography, 2019, 42, 1446-1455.	2.1	64
21	Diversity regulation at macroâ€scales: species richness on oceanic archipelagos. Global Ecology and Biogeography, 2015, 24, 594-605.	2.7	62
22	Representing taxonomic, phylogenetic and functional diversity: new challenges for <scp>M</scp>editerranean marineâ€protected areas. Diversity and Distributions, 2015, 21, 175-187.	1.9	57
23	Biogeographical region and environmental conditions drive functional traits of estuarine fish assemblages worldwide. Fish and Fisheries, 2017, 18, 752-771.	2.7	55
24	Ecological correlates of dispersal success of Lessepsian fishes. Marine Ecology - Progress Series, 2008, 363, 273-286.	0.9	55
25	Snails on oceanic islands: testing the general dynamic model of oceanic island biogeography using linear mixed effect models. Journal of Biogeography, 2013, 40, 117-130.	1.4	52
26	Space invaders; biological invasions in marine conservation planning. Diversity and Distributions, 2016, 22, 1220-1231.	1.9	48
27	Differences in speciesâ€“area relationships among the major lineages of land plants: a macroecological perspective. Global Ecology and Biogeography, 2014, 23, 1275-1283.	2.7	47
28	Island speciesâ€“area relationships and species accumulation curves are not equivalent: an analysis of habitat island datasets. Global Ecology and Biogeography, 2016, 25, 607-618.	2.7	46
29	Do functional groups of planktonic copepods differ in their ecological niches?. Journal of Biogeography, 2018, 45, 604-616.	1.4	45
30	Accounting for data heterogeneity in patterns of biodiversity: an application of linear mixed effect models to the oceanic island biogeography of sporeâ€producing plants. Ecography, 2013, 36, 904-913.	2.1	42
31	mmSAR: an Râ€package for multimodel speciesâ€“area relationship inference. Ecography, 2010, 33, 420-424.	2.1	40
32	Global mismatch between fishing dependency and larval supply from marine reserves. Nature Communications, 2017, 8, 16039.	5.8	40
33	Global agricultural expansion and carnivore conservation biogeography. Biological Conservation, 2013, 165, 162-170.	1.9	39
34	Fish diversity patterns in the Mediterranean Sea: deviations from a mid-domain model. Marine Ecology - Progress Series, 2009, 376, 253-267.	0.9	37
35	Identifying hotspots of parasite diversity from speciesâ€“area relationships: host phylogeny versus host ecology. Oikos, 2011, 120, 740-747.	1.2	33
36	A biogeographical regionalization of coastal Mediterranean fishes. Journal of Biogeography, 2015, 42, 1336-1348.	1.4	33

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37	FishMed: traits, phylogeny, current and projected species distribution of Mediterranean fishes, and environmental data. Ecology, 2015, 96, 2312-2313.	1.5	30
38	Capturing the big picture of Mediterranean marine biodiversity with an end-to-end model of climate and fishing impacts. Progress in Oceanography, 2019, 178, 102179.	1.5	28
39	Climate change may have minor impact on zooplankton functional diversity in the Mediterranean Sea. Diversity and Distributions, 2019, 25, 568-581.	1.9	26
40	Species abundance distributions and numerical dominance in gastrointestinal helminth communities of fish hosts. Journal of Helminthology, 2008, 82, 193-202.	0.4	24
41	Mammalian phylogenetic diversityâ€“area relationships at a continental scale. Ecology, 2015, 96, 2814-2822.	1.5	24
42	Estimates of species extinctions from speciesâ€“area relationships strongly depend on ecological context. Ecography, 2014, 37, 431-442.	2.1	23
43	Latitudinal mismatches between the components of mammalâ€“flea interaction networks. Global Ecology and Biogeography, 2012, 21, 725-731.	2.7	22
44	Effects of the environment on fish juvenile growth in West African stressful estuaries. Estuarine, Coastal and Shelf Science, 2009, 83, 115-125.	0.9	21
45	Recruitment patterns of young-of-the-year mugilid fishes in a West African estuary impacted by climate change. Estuarine, Coastal and Shelf Science, 2009, 85, 357-367.	0.9	21
46	Identifying the drivers of abundance and size of the invasive ctenophore Mnemiopsis leidyi in Northwestern Mediterranean lagoons. Marine Environmental Research, 2016, 119, 114-125.	1.1	19
47	Investigating uncertainties in zooplankton composition shifts under climate change scenarios in the Mediterranean Sea. Ecography, 2018, 41, 345-360.	2.1	19
48	Species diversity and composition drive the aesthetic value of coral reef fish assemblages. Biology Letters, 2019, 15, 20190703.	1.0	19
49	Using species distribution models only may underestimate climate change impacts on future marine biodiversity. Ecological Modelling, 2022, 464, 109826.	1.2	19
50	Opposing Patterns of Seasonal Change in Functional and Phylogenetic Diversity of Tadpole Assemblages. PLoS ONE, 2016, 11, e0151744.	1.1	18
51	Global tropical reef fish richness could decline by around half if corals are lost. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210274.	1.2	17
52	<scp>elementr</scp>: An R package for reducing elemental data from <scp>LA</scp>â€<scp>ICPMS</scp> analysis of biological calcified structures. Methods in Ecology and Evolution, 2017, 8, 1659-1667.	2.2	15
53	Climate change impacts on the distribution of coastal lobsters. Marine Biology, 2018, 165, 1.	0.7	15
54	Global Patterns of Coastal Cephalopod Diversity Under Climate Change. Frontiers in Marine Science, 2022, 8, .	1.2	14

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55	Ecological dependencies make remote reef fish communities most vulnerable to coral loss. Nature Communications, 2021, 12, 7282.	5.8	14
56	The aesthetic value of reef fishes is globally mismatched to their conservation priorities. PLoS Biology, 2022, 20, e3001640.	2.6	12
57	Speciesâ€"area relationships as a tool for the conservation of benthic invertebrates in Italian coastal lagoons. Estuarine, Coastal and Shelf Science, 2012, 114, 50-58.	0.9	11
58	Species-area uncertainties impact the setting of habitat conservation targets and propagate across conservation solutions. Biological Conservation, 2019, 235, 279-289.	1.9	11
59	Phytoplankton strategies to exploit nutrients in coastal lagoons with different eutrophication status during re-oligotrophication. Aquatic Microbial Ecology, 2019, 83, 131-146.	0.9	9
60	How can quantitative ecology be attractive to young scientists? Balancing computer/desk work with fieldwork. Animal Conservation, 2013, 16, 134-136.	1.5	8
61	Macroecological distributions of gene variants highlight the functional organization of soil microbial systems. ISME Journal, 2022, 16, 726-737.	4.4	8
62	Slow growth of the overexploited milk shark <i>Rhizoprionodon acutus</i> affects its sustainability in West Africa. Journal of Fish Biology, 2015, 87, 912-929.	0.7	6
63	An integrated approach to estimate aesthetic and ecological values of coralligenous reefs. Ecological Indicators, 2021, 129, 107935.	2.6	5
64	Combining Passive Acoustics and Environmental Data for Scaling Up Ecosystem Monitoring: A Test on Coral Reef Fishes. Remote Sensing, 2022, 14, 2394.	1.8	5
65	Linking temporal changes in the demographic structure and individual growth to the decline in the population of a tropical fish. Estuarine, Coastal and Shelf Science, 2015, 165, 166-175.	0.9	4
66	Prioritizing phylogenetic diversity to protect functional diversity of reef corals. Diversity and Distributions, 2022, 28, 1721-1734.	1.9	3
67	On the form of speciesâ€"area relationships in habitat islands and true islands. Global Ecology and Biogeography, 2020, 29, 1094-1094.	2.7	2
68	Fish Predation by the Water SnakeAfronatrix anoscopusin a Guinean Rainforest Stream. Journal of Freshwater Ecology, 2008, 23, 495-496.	0.5	1
69	Can We Avoid Tacit Trade-Offs between Flexibility and Efficiency in Systematic Conservation Planning? The Mediterranean Sea as a Case Study. Diversity, 2022, 14, 9.	0.7	0