

Didier Gascuel

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

3,984
citations

101384

36
h-index

138251

58
g-index

105
all docs

105
docs citations

105
times ranked

4080
citing authors

#	ARTICLE	IF	CITATIONS
1	<sc><i>EcoDiet</i></sc> A hierarchical <sc>Bayesian</sc> model to combine stomach, biotracer, and literature data into diet matrix estimation. Ecological Applications, 2022, 32, e2521.	1.8	7
2	<sc>ESCROpath</sc>, a Bayesian mixing model to quantify diets and trophic flows in aquatic food webs. Methods in Ecology and Evolution, 2022, 13, 894-907.	2.2	1
3	Potential impacts of climate change on agriculture and fisheries production in 72 tropical coastal communities. Nature Communications, 2022, 13, .	5.8	17
4	Progress towards ending overfishing in the Northeast Atlantic. Marine Policy, 2021, 125, 104282.	1.5	9
5	Energy Flow Through Marine Ecosystems: Confronting Transfer Efficiency. Trends in Ecology and Evolution, 2021, 36, 76-86.	4.2	70
6	Are we ready to track climate-driven shifts in marine species across international boundaries? A global survey of scientific bottom trawl data. Global Change Biology, 2021, 27, 220-236.	4.2	51
7	Climate-induced decrease in biomass flow in marine food webs may severely affect predators and ecosystem production. Global Change Biology, 2021, 27, 2608-2622.	4.2	32
8	The environmental impact of the consumption of fishery and aquaculture products in France. Journal of Cleaner Production, 2021, 299, 126718.	4.6	9
9	Mesoscale productivity fronts and local fishing opportunities in the European Seas. Fish and Fisheries, 2021, 22, 1227.	2.7	11
10	Efficiency of two contrasted marine protected areas (MPA) in West Africa over a decade of fishing closure. Ocean and Coastal Management, 2021, 210, 105655.	2.0	3
11	Disentangling diverse responses to climate change among global marine ecosystem models. Progress in Oceanography, 2021, 198, 102659.	1.5	42
12	Next-generation ensemble projections reveal higher climate risks for marine ecosystems. Nature Climate Change, 2021, 11, 973-981.	8.1	96
13	Combining ecosystem indicators and life cycle assessment for environmental assessment of demersal trawling in Tunisia. International Journal of Life Cycle Assessment, 2020, 25, 105-119.	2.2	14
14	Exploring the impacts of fishing and environment on the Celtic Sea ecosystem since 1950. Fisheries Research, 2020, 225, 105472.	0.9	22
15	Climate change undermines the global functioning of marine food webs. Global Change Biology, 2020, 26, 1306-1318.	4.2	60
16	Fishing Without a Trace? Assessing the Balanced Harvest Approach Using EcoTroph. Frontiers in Marine Science, 2020, 7, .	1.2	9
17	The role of marine protected areas in sustaining fisheries: The case of the National Park of Banc d'Arguin, Mauritania. Aquaculture and Fisheries, 2020, 5, 253-264.	1.2	9
18	The Celtic Sea Through Time and Space: Ecosystem Modeling to Unravel Fishing and Climate Change Impacts on Food-Web Structure and Dynamics. Frontiers in Marine Science, 2020, 7, .	1.2	23

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19	Species richness in North Atlantic fish: Process concealed by pattern. <i>Global Ecology and Biogeography</i> , 2020, 29, 842-856.	2.7	11
20	An iron cycle cascade governs the response of equatorial Pacific ecosystems to climate change. <i>Global Change Biology</i> , 2020, 26, 6168-6179.	4.2	25
21	Marine biodiversity and ecosystem services: the large gloomy shadow of climate change. , 2019, , 79-85.		5
22	Recovery Debts Can Be Revealed by Ecosystem Network-Based Approaches. <i>Ecosystems</i> , 2019, 22, 658-676.	1.6	13
23	The Impact of Fisheries Discards on Scavengers in the Sea. , 2019, , 129-162.		8
24	Integrated ecologicalâ€œeconomic fisheries modelsâ€œ”Evaluation, review and challenges for implementation. <i>Fish and Fisheries</i> , 2018, 19, 1-29.	2.7	87
25	Environmental life cycle assessment of seafood production: A case study of trawler catches in Tunisia. <i>Science of the Total Environment</i> , 2018, 610-611, 298-307.	3.9	23
26	Long-term fishing impact on the Senegalese coastal demersal resources: diagnosing from stock assessment models. <i>Aquatic Living Resources</i> , 2018, 31, 8.	0.5	8
27	Using trophic models to assess the impact of fishing in the Bay of Biscay and the Celtic Sea. <i>Aquatic Living Resources</i> , 2017, 30, 7.	0.5	16
28	Trophic models: What do we learn about Celtic Sea and Bay of Biscay ecosystems?. <i>Journal of Marine Systems</i> , 2017, 172, 104-117.	0.9	30
29	Global change in the trophic functioning of marine food webs. <i>PLoS ONE</i> , 2017, 12, e0182826.	1.1	43
30	Fishing impact and environmental status in <sc>E</sc>uropean seas: a diagnosis from stock assessments and ecosystem indicators. <i>Fish and Fisheries</i> , 2016, 17, 31-55.	2.7	78
31	Minimizing the impact of fishing. <i>Fish and Fisheries</i> , 2016, 17, 785-802.	2.7	93
32	The need for a protean fisheries science to address the degradation of exploited aquatic ecosystems. <i>Aquatic Living Resources</i> , 2016, 29, E201.	0.5	3
33	Assessing interacting impacts of artisanal and recreational fisheries in a small Marine Protected Area (Portofino, NW Mediterranean Sea). <i>Ecosphere</i> , 2016, 7, e01601.	1.0	26
34	New trophic indicators and target values for an ecosystem-based management of fisheries. <i>Ecological Indicators</i> , 2016, 61, 588-601.	2.6	40
35	Ecological indicators to capture the effects of fishing on biodiversity and conservation status of marine ecosystems. <i>Ecological Indicators</i> , 2016, 60, 947-962.	2.6	120
36	Modelling dynamic ecosystems: venturing beyond boundaries with the Ecopath approach. <i>Reviews in Fish Biology and Fisheries</i> , 2015, 25, 413-424.	2.4	73

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37	Global overview of the applications of the Ecopath with Ecosim modeling approach using the EcoBase models repository. <i>Ecological Modelling</i> , 2015, 302, 42-53.	1.2	211
38	Evaluating changes in marine communities that provide ecosystem services through comparative assessments of community indicators. <i>Ecosystem Services</i> , 2015, 16, 413-429.	2.3	22
39	Overfishing of marine resources: some lessons from the assessment of demersal stocks off Mauritania. <i>ICES Journal of Marine Science</i> , 2015, 72, 414-427.	1.2	24
40	Fishing impact in Mediterranean ecosystems: an EcoTroph modeling approach. <i>Journal of Marine Systems</i> , 2015, 150, 22-33.	0.9	21
41	Size still matters. A response to SvedÅng (2013): Size matters: Ne quid nimis. <i>Fisheries Research</i> , 2015, 164, 329-330.	0.9	3
42	Including foraging arena and top-down controls improves the modeling of trophic flows and fishing impacts in aquatic food webs. <i>Marine Ecology - Progress Series</i> , 2015, 534, 17-37.	0.9	5
43	Assessing the Contribution of Marine Protected Areas to the Trophic Functioning of Ecosystems: A Model for the Banc d'Arguin and the Mauritanian Shelf. <i>PLoS ONE</i> , 2014, 9, e94742.	1.1	25
44	Fishing inside or outside? A case studies analysis of potential spillover effect from marine protected areas, using food web models. <i>Journal of Marine Systems</i> , 2014, 139, 383-395.	0.9	34
45	Trophic level-based indicators to track fishing impacts across marine ecosystems. <i>Marine Ecology - Progress Series</i> , 2014, 512, 115-140.	0.9	126
46	Balancing complexity and feasibility in Mediterranean coastal food-web models: uncertainty and constraints. <i>Marine Ecology - Progress Series</i> , 2014, 512, 71-88.	0.9	12
47	The scientific strategy needed to promote a regional ecosystem-based approach to fisheries in the Mediterranean and Black Seas. <i>Reviews in Fish Biology and Fisheries</i> , 2013, 23, 415-434.	2.4	30
48	EcoTroph: a simple model to assess fishery interactions and their impacts on ecosystems. <i>ICES Journal of Marine Science</i> , 2013, 70, 498-510.	1.2	13
49	Integrating Marine Protected Areas in fisheries management systems: some criteria for ecological efficiency. <i>Aquatic Living Resources</i> , 2013, 26, 159-170.	0.5	22
50	Assessing stocks in data-poor African fisheries: a case study on the white grouper <i>Epinephelus aeneus</i> of Mauritania. <i>African Journal of Marine Science</i> , 2013, 35, 253-267.	0.4	15
51	European Union's Public Fishing Access Agreements in Developing Countries. <i>PLoS ONE</i> , 2013, 8, e79899.	1.1	28
52	An Introduction to the EcoTroph R Package: Analyzing Aquatic Ecosystem Trophic Networks. <i>R Journal</i> , 2013, 5, 98.	0.7	23
53	Shifting baselines in European fisheries: The case of the Celtic Sea and Bay of Biscay. <i>Ocean and Coastal Management</i> , 2012, 70, 10-21.	2.0	55
54	Rebuilding fish stocks and changing fisheries management, a major challenge for the Common Fisheries Policy reform in Europe. <i>Ocean and Coastal Management</i> , 2012, 70, 1-3.	2.0	7

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55	An ecosystem approach for the assessment of fisheries impacts on marine top predators: the Bay of Biscay case study. <i>ICES Journal of Marine Science</i> , 2012, 69, 925-938.	1.2	55
56	Modelling trophic flows in ecosystems to assess the efficiency of marine protected area (MPA), a case study on the coast of SĂ©nĂ©gal. <i>Ecological Modelling</i> , 2012, 232, 1-13.	1.2	40
57	Towards the implementation of an integrated ecosystem fleet-based management of European fisheries. <i>Marine Policy</i> , 2012, 36, 1022-1032.	1.5	37
58	Global assessment of the fishing impacts on the Southern Benguela ecosystem using an EcoTroph modelling approach. <i>Journal of Marine Systems</i> , 2012, 90, 1-12.	0.9	20
59	Modeling trophic interactions to assess the effects of a marine protected area: case study in the NW Mediterranean Sea. <i>Marine Ecology - Progress Series</i> , 2012, 456, 201-214.	0.9	38
60	A future for marine fisheries in Europe (Manifesto of the Association FranĂ§aise d'HalieumĂ©trie). <i>Fisheries Research</i> , 2011, 109, 1-6.	0.9	21
61	Factors affecting the detection distances of reef fish: implications for visual counts. <i>Marine Biology</i> , 2011, 158, 969-981.	0.7	88
62	The trophic-level-based ecosystem modelling approach: theoretical overview and practical uses. <i>ICES Journal of Marine Science</i> , 2011, 68, 1403-1416.	1.2	61
63	Analysing environmental and fishing effects on a short-lived species stock: the dynamics of the octopus <i>Octopus vulgaris</i> population in Senegalese waters. <i>African Journal of Marine Science</i> , 2011, 33, 209-222.	0.4	12
64	Modelling the effects of fishing on the biomass of the world's oceans from 1950 to 2006. <i>Marine Ecology - Progress Series</i> , 2011, 442, 169-185.	0.9	46
65	Identifying fishing trip behaviour and estimating fishing effort from VMS data using Bayesian Hidden Markov Models. <i>Ecological Modelling</i> , 2010, 221, 1757-1769.	1.2	97
66	Global marine primary production constrains fisheries catches. <i>Ecology Letters</i> , 2010, 13, 495-505.	3.0	357
67	A surplus production model including environmental effects: Application to the Senegalese white shrimp stocks. <i>Progress in Oceanography</i> , 2009, 83, 351-360.	1.5	12
68	EcoTroph: Modelling marine ecosystem functioning and impact of fishing. <i>Ecological Modelling</i> , 2009, 220, 2885-2898.	1.2	67
69	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.	0.7	62
70	L'approche Ă©cosystĂ©mique des pĂ©ches, une condition pour l'exploitation durable des ocĂ©ans. <i>Pour</i> , 2009, NĂ° 202-203, 199-206.	0.0	6
71	Exploitation des ressources marines: quand la crise Ă©cologique compromet l'alimentation des pays du Sud. <i>Pour</i> , 2009, NĂ° 202-203, 49-56.	0.0	4
72	Investigating trophic level variability in Celtic Sea fish predators. <i>Journal of Fish Biology</i> , 2008, 73, 763-781.	0.7	25

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73	Trophic flow kinetics in marine ecosystems: Toward a theoretical approach to ecosystem functioning. <i>Ecological Modelling</i> , 2008, 217, 33-47.	1.2	63
74	Size matters: How single-species management can contribute to ecosystem-based fisheries management. <i>Fisheries Research</i> , 2008, 92, 231-241.	0.9	143
75	Decline of demersal resources in North-West Africa: an analysis of Mauritanian trawl-survey data over the past 25 years. <i>African Journal of Marine Science</i> , 2007, 29, 331-345.	0.4	44
76	Bottom-up control regulates fisheries production at the scale of eco-regions in European seas. <i>Marine Ecology - Progress Series</i> , 2007, 343, 45-55.	0.9	83
77	Information transfer, behavior of vessels and fishing efficiency: an individual-based simulation approach. <i>Aquatic Living Resources</i> , 2006, 19, 1-13.	0.5	20
78	The trophic-level based model: A theoretical approach of fishing effects on marine ecosystems. <i>Ecological Modelling</i> , 2005, 189, 315-332.	1.2	52
79	Trophic signature of coral reef fish assemblages: Towards a potential indicator of ecosystem disturbance. <i>Aquatic Living Resources</i> , 2005, 18, 103-109.	0.5	23
80	Impact of trophic interactions on production functions and on the ecosystem response to fishing: A simulation approach. <i>Aquatic Living Resources</i> , 2005, 18, 1-13.	0.5	12
81	The trophic spectrum: theory and application as an ecosystem indicator. <i>ICES Journal of Marine Science</i> , 2005, 62, 443-452.	1.2	87
82	Changes in the trophic structure of fish demersal communities in West Africa in the three last decades. <i>Aquatic Living Resources</i> , 2004, 17, 163-173.	0.5	49
83	Trophic model of lagoonal communities in a large open atoll (Uvea, Loyalty islands, New Caledonia). <i>Aquatic Living Resources</i> , 2004, 17, 151-162.	0.5	41
84	La biodiversité spécifique des ressources démersales du plateau continental guinéen : utilisation d'indices classiques pour un diagnostic sur l'évolution de l'écosystème. <i>Aquatic Living Resources</i> , 2003, 16, 59-68.	0.5	18
85	A multi-species multi-fleet bioeconomic simulation model for the English Channel artisanal fisheries. <i>Fisheries Research</i> , 2002, 58, 379-401.	0.9	45
86	Hierarchical interpretation of nonlinear relationships linking yellowfin tuna (<i>Thunnus thynnus</i>) and Aquatic Sciences, 2001, 58, 458-469.	0.7	47
87	« Surexploitation locale » et tactiques de pêche : considérations théoriques et conséquences pratiques en évaluation des stocks étudiées avec un simulateur numérique de pêcheries.. <i>Aquatic Living Resources</i> , 2001, 14, 203-210.	0.5	23
88	Estimation des interactions techniques dues à la compétition pour la ressource dans une pêche plurispécifique, et application à la typologie des flottilles et métiers dans la Manche.. <i>Aquatic Living Resources</i> , 2001, 14, 267-281.	0.5	41
89	SHADYS (simulateur halieutique de dynamiques spatiales™), a GIS based numerical model of fisheries. Example application: The study of a marine protected area. <i>Aquatic Living Resources</i> , 1999, 12, 77-88.	0.5	36
90	Estimation of the overall fishing power: A study of the dynamics and fishing strategies of Brittany's industrial fleets. <i>Aquatic Living Resources</i> , 1999, 12, 89-103.	0.5	25

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91	Assessment of a multispecies fishery in Senegal, using production models and diversity indices. <i>Aquatic Living Resources</i> , 1997, 10, 281-288.	0.5	12
92	Seasonal dynamics of estuarine migration in glass eels (<i>Anguilla anguilla</i>). <i>Aquatic Living Resources</i> , 1995, 8, 123-133.	0.5	25
93	Approche conceptuelle de la modélisation de la dynamique du stock d'anguilles dans un bassin versant : intégration et adaptation du modèle de rendement par recrue. <i>Knowledge and Management of Aquatic Ecosystems: an International Journal on Aquatic Ecosystems</i> , 1994, , 43-56.	0.4	3
94	Une méthode simple d'ajustement des classes taille/âge : application aux captures d'albacores (<i>Thunnus</i>) Tj ETQq0 0 0,rgBT /Over	0.7	
95	Analyse de l'évolution des puissances de pêche par l'analyse des cohortes : application aux senneurs exploitant l'albacore (<i>Thunnus albacares</i>) dans l'Atlantique Est. <i>Aquatic Living Resources</i> , 1993, 6, 15-30.	0.5	21
96	The effects of flood regime and fishing effort on the overall abundance of an exploited fish community in the Amazon floodplain. <i>Aquatic Living Resources</i> , 1993, 6, 97-108.	0.5	37
97	Modélisation d'une croissance en deux stances chez l'albacore (<i>Thunnus albacares</i>) de l'Atlantique Est. <i>Aquatic Living Resources</i> , 1992, 5, 155-172.	0.5	18
98	Biological Characteristics of an Estuarine Growing Eel Population (Sèvre Niortaise Estuary, France). <i>International Review of Hydrobiology</i> , 1990, 75, 796-796.	0.6	0
99	Caractéristiques d'une pêcherie d'anguille (<i>Anguilla anguilla</i>) au verveux dans un petit estuaire (Blavet, France). Characteristics of an Eel (<i>Anguilla anguilla</i>) Fyke-net Fishery within a Small Estuary (River Blavet, France). <i>International Review of Hydrobiology</i> , 1990, 75, 797-806.	0.6	1
100	Les passes à anguilles en Europe. Eel ladder devices in Europe. <i>International Review of Hydrobiology</i> , 1990, 75, 843-844.	0.6	5
101	Seasonal dynamics of the zoobenthic communities in the mesohaline zone of the Loire estuary (France). <i>Hydrobiologia</i> , 1988, 160, 129-139.	1.0	8
102	Flow-carried and active swimming migration of the glass eel (<i>Anguilla anguilla</i>) in the tidal area of a small estuary on the French Atlantic coast. <i>Helgolânder Meeresuntersuchungen</i> , 1986, 40, 321-326.	0.2	72