

Lynne J Shannon

List of Publications by Year in descending order

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85
papers

6,583
citations

66315

42
h-index

64755

79
g-index

85
all docs

85
docs citations

85
times ranked

5185
citing authors

#	ARTICLE	IF	CITATIONS
1	Small pelagics in upwelling systems: patterns of interaction and structural changes in ecosystems. <i>ICES Journal of Marine Science</i> , 2000, 57, 603-618.	1.2	826
2	Global Seabird Response to Forage Fish Depletion—One-Third for the Birds. <i>Science</i> , 2011, 334, 1703-1706.	6.0	550
3	Impacts of Fishing Low-Trophic Level Species on Marine Ecosystems. <i>Science</i> , 2011, 333, 1147-1150.	6.0	481
4	The Benguela Current: An ecosystem of four components. <i>Progress in Oceanography</i> , 2009, 83, 15-32.	1.5	347
5	End-to-End Models for the Analysis of Marine Ecosystems: Challenges, Issues, and Next Steps. <i>Marine and Coastal Fisheries</i> , 2010, 2, 115-130.	0.6	202
6	Regime shifts in upwelling ecosystems: observed changes and possible mechanisms in the northern and southern Benguela. <i>Progress in Oceanography</i> , 2004, 60, 223-243.	1.5	191
7	Detecting regime shifts in the ocean: Data considerations. <i>Progress in Oceanography</i> , 2004, 60, 143-164.	1.5	163
8	Trophic flows in the southern Benguela during the 1980s and 1990s. <i>Journal of Marine Systems</i> , 2003, 39, 83-116.	0.9	160
9	Trophodynamic indicators for an ecosystem approach to fisheries. <i>ICES Journal of Marine Science</i> , 2005, 62, 430-442.	1.2	157
10	Using indicators for evaluating, comparing, and communicating the ecological status of exploited marine ecosystems. 2. Setting the scene. <i>ICES Journal of Marine Science</i> , 2010, 67, 692-716.	1.2	156
11	Changes in the northern Benguela ecosystem over three decades: 1970s, 1980s, and 1990s. <i>Ecological Modelling</i> , 2004, 172, 175-195.	1.2	135
12	Trophic level-based indicators to track fishing impacts across marine ecosystems. <i>Marine Ecology - Progress Series</i> , 2014, 512, 115-140.	0.9	126
13	Jellyfication of Marine Ecosystems as a Likely Consequence of Overfishing Small Pelagic Fishes: Lessons from the Benguela. <i>Bulletin of Marine Science</i> , 2013, 89, 249-284.	0.4	123
14	Which forcing factors fit? Using ecosystem models to investigate the relative influence of fishing and changes in primary productivity on the dynamics of marine ecosystems. <i>Ecological Modelling</i> , 2009, 220, 2972-2987.	1.2	114
15	Relating marine ecosystem indicators to fishing and environmental drivers: an elucidation of contrasting responses. <i>ICES Journal of Marine Science</i> , 2010, 67, 787-795.	1.2	107
16	Using indicators for evaluating, comparing, and communicating the ecological status of exploited marine ecosystems. 1. The IndiSeas project. <i>ICES Journal of Marine Science</i> , 2010, 67, 686-691.	1.2	103
17	Ecosystem change in the southern Benguela and the underlying processes. <i>Journal of Marine Systems</i> , 2015, 144, 9-29.	0.9	103
18	Global trends in nature's contributions to people. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32799-32805.	3.3	103

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19	Can simple be useful and reliable? Using ecological indicators to represent and compare the states of marine ecosystems. <i>ICES Journal of Marine Science</i> , 2010, 67, 717-731.	1.2	100
20	Next-generation ensemble projections reveal higher climate risks for marine ecosystems. <i>Nature Climate Change</i> , 2021, 11, 973-981.	8.1	96
21	8 Resource and ecosystem variability, including regime shifts, in the Benguela Current System. <i>Large Marine Ecosystems</i> , 2006, 14, 147-184.	0.2	94
22	Viability theory for an ecosystem approach to fisheries. <i>ICES Journal of Marine Science</i> , 2005, 62, 577-584.	1.2	91
23	The influence of food availability on breeding success of African penguins <i>Spheniscus demersus</i> at Robben Island, South Africa. <i>Biological Conservation</i> , 2006, 132, 119-125.	1.9	89
24	Comparing the Benguela and Humboldt marine upwelling ecosystems with indicators derived from inter-calibrated models. <i>ICES Journal of Marine Science</i> , 2005, 62, 493-502.	1.2	80
25	Comparing trophic flows and fishing impacts of a NW Mediterranean ecosystem with coastal upwelling systems by means of standardized models and indicators. <i>Ecological Modelling</i> , 2006, 198, 53-70.	1.2	71
26	Combined Fishing and Climate Forcing in the Southern Benguela Upwelling Ecosystem: An End-to-End Modelling Approach Reveals Dampened Effects. <i>PLoS ONE</i> , 2014, 9, e94286.	1.1	68
27	Risky business: The combined effects of fishing and changes in primary productivity on fish communities. <i>Ecological Modelling</i> , 2018, 368, 265-276.	1.2	67
28	Exploring the dynamics of ecological indicators using food web models fitted to time series of abundance and catch data. <i>Ecological Indicators</i> , 2009, 9, 1078-1095.	2.6	66
29	Best practices for assessing forage fish fisheries-seabird resource competition. <i>Fisheries Research</i> , 2017, 194, 209-221.	0.9	66
30	Simulating anchovy-sardine regime shifts in the southern Benguela ecosystem. <i>Ecological Modelling</i> , 2004, 172, 269-281.	1.2	64
31	Comparing internal and external drivers in the southern Benguela and the southern and northern Humboldt upwelling ecosystems. <i>African Journal of Marine Science</i> , 2008, 30, 63-84.	0.4	64
32	Modelling effects of fishing in the Southern Benguela ecosystem. <i>ICES Journal of Marine Science</i> , 2000, 57, 720-722.	1.2	62
33	Changes in food web structure under scenarios of overfishing in the southern Benguela: Comparison of the Ecosim and OSMOSE modelling approaches. <i>Journal of Marine Systems</i> , 2010, 79, 101-111.	0.9	61
34	Ranking the ecological relative status of exploited marine ecosystems. <i>ICES Journal of Marine Science</i> , 2010, 67, 769-786.	1.2	60
35	The good(ish), the bad, and the ugly: a tripartite classification of ecosystem trends. <i>ICES Journal of Marine Science</i> , 2010, 67, 745-768.	1.2	58
36	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.	2.6	58

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37	Global in scope and regionally rich: an IndiSeas workshop helps shape the future of marine ecosystem indicators. <i>Reviews in Fish Biology and Fisheries</i> , 2012, 22, 835-845.	2.4	55
38	Simulating and testing the sensitivity of ecosystem-based indicators to fishing in the southern Benguela ecosystem. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 943-956.	0.7	53
39	Comparing data-based indicators across upwelling and comparable systems for communicating ecosystem states and trends. <i>ICES Journal of Marine Science</i> , 2010, 67, 807-832.	1.2	50
40	Influences of the abundance and distribution of prey on African penguins <i>Spheniscus demersus</i> off western South Africa. <i>African Journal of Marine Science</i> , 2008, 30, 167-175.	0.4	47
41	Changes in the trophic structure of the southern Benguela before and after the onset of industrial fishing. <i>African Journal of Marine Science</i> , 2008, 30, 351-382.	0.4	43
42	A system dynamics approach to modelling multiple drivers of the African penguin population on Robben Island, South Africa. <i>Ecological Modelling</i> , 2014, 277, 38-56.	1.2	43
43	Relationships among fisheries exploitation, environmental conditions, and ecological indicators across a series of marine ecosystems. <i>Journal of Marine Systems</i> , 2015, 148, 101-111.	0.9	42
44	Ecosystem indicators' accounting for variability in species' trophic levels. <i>ICES Journal of Marine Science</i> , 2017, 74, 158-169.	1.2	41
45	Making ecological indicators management ready: Assessing the specificity, sensitivity, and threshold response of ecological indicators. <i>Ecological Indicators</i> , 2019, 105, 16-28.	2.6	41
46	Benguela Current Large Marine Ecosystem' Governance and Management for an Ecosystem Approach to Fisheries in the Region. <i>Coastal Management</i> , 2009, 37, 235-254.	1.0	40
47	Conservation needs to integrate knowledge across scales. <i>Nature Ecology and Evolution</i> , 2022, 6, 118-119.	3.4	40
48	Changes in the trophic structure of the northern Benguela before and after the onset of industrial fishing. <i>African Journal of Marine Science</i> , 2008, 30, 383-403.	0.4	34
49	Spatialized ecosystem indicators in the southern Benguela. <i>ICES Journal of Marine Science</i> , 2005, 62, 459-468.	1.2	33
50	Regime shifts and fishery management. <i>Progress in Oceanography</i> , 2004, 60, 397-402.	1.5	31
51	Developing a science base for implementation of the ecosystem approach to fisheries in South Africa. <i>Progress in Oceanography</i> , 2010, 87, 289-303.	1.5	31
52	Possible impacts of environmental change on pelagic fish recruitment: modelling anchovy transport by advective processes in the southern Benguela. <i>Global Change Biology</i> , 1996, 2, 407-420.	4.2	30
53	System dynamics modelling of the Endangered African penguin populations on Dyer and Robben islands, South Africa. <i>Ecological Modelling</i> , 2016, 327, 44-56.	1.2	29
54	Assessing risks to marine ecosystems with indicators, ecosystem models and experts. <i>Biological Conservation</i> , 2018, 227, 19-28.	1.9	29

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55	VIABILITY MODEL OF TROPHIC INTERACTIONS IN MARINE ECOSYSTEMS. <i>Natural Resource Modelling</i> , 2004, 17, 71-102.	0.8	25
56	Indicators quantifying small pelagic fish interactions: application using a trophic model of the southern Benguela ecosystem. <i>Ecological Indicators</i> , 2004, 3, 305-321.	2.6	24
57	Global assessments of the status of marine exploited ecosystems and their management: what more is needed?. <i>Current Opinion in Environmental Sustainability</i> , 2012, 4, 292-299.	3.1	24
58	Ecosystem Modelling Using the Ecopath with Ecosim Approach. , 2009, , 225-291.		22
59	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
60	A fuzzy-logic tool for multi-criteria decision making in fisheries: the case of the South African pelagic fishery. <i>Marine and Freshwater Research</i> , 2007, 58, 1056.	0.7	21
61	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
62	Impacts of fishing and climate change explored using trophic models. , 2001, , 158-190.		19
63	Responses of ecological indicators to fishing pressure under environmental change: exploring non-linearity and thresholds. <i>ICES Journal of Marine Science</i> , 2020, 77, 1516-1531.	1.2	19
64	A Cursory Look at the Fishmeal/Oil Industry From an Ecosystem Perspective. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	18
65	Patterns of Distribution and Spatial Indicators of Ecosystem Change Based on Key Species in the Southern Benguela. <i>PLoS ONE</i> , 2016, 11, e0158734.	1.1	16
66	Drift Patterns of Anchovy <i>Engraulis Capensis</i> Larvae in The Southern Benguela, and Their Possible Importance for Recruitment. <i>African Journal of Marine Science</i> , 2003, 25, 37-47.	0.4	14
67	A minimal model of the variability of marine ecosystems. <i>Fish and Fisheries</i> , 2009, 10, 115-131.	2.7	14
68	Evaluating the specificity of ecosystem indicators to fishing in a changing environment: A model comparison study for the southern Benguela ecosystem. <i>Ecological Indicators</i> , 2018, 95, 85-98.	2.6	13
69	Applying a decision tree framework in support of an ecosystem approach to fisheries: IndiSeas indicators in the North Sea. <i>ICES Journal of Marine Science</i> , 2018, 75, 1009-1020.	1.2	12
70	Observations, indicators and scenarios of biodiversity and ecosystem services change – a framework to support policy and decision-making. <i>Current Opinion in Environmental Sustainability</i> , 2017, 29, 198-206.	3.1	11
71	Reference levels of ecosystem indicators at multispecies maximum sustainable yield. <i>ICES Journal of Marine Science</i> , 2019, 76, 2070-2081.	1.2	11
72	Human impacts on marine ecosystems. , 2010, , 41-72.		11

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73	Processes influencing the population dynamics and conservation of African penguins on Dyer Island, South Africa. <i>African Journal of Marine Science</i> , 2014, 36, 253-267.	0.4	10
74	Analysing changes in the southern Humboldt ecosystem for the period 1970–2004 by means of dynamic food web modelling. <i>Ecological Modelling</i> , 2014, 274, 41-49.	1.2	10
75	Seabird-induced natural mortality of forage fish varies with fish abundance: Evidence from five ecosystems. <i>Fish and Fisheries</i> , 2021, 22, 262-279.	2.7	10
76	Exploring Temporal Variability in the Southern Benguela Ecosystem Over the Past Four Decades Using a Time-Dynamic Ecosystem Model. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	9
77	Communicating changes in state of the southern Benguela ecosystem using trophic, model-derived indicators. <i>Marine Ecology - Progress Series</i> , 2014, 512, 217-237.	0.9	9
78	Assessing changes in the southern Humboldt in the 20th century using food web models. <i>Ecological Modelling</i> , 2014, 278, 52-66.	1.2	8
79	Toward Exploring Possible Future States of the Southern Benguela. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	7
80	A comparative framework to support an ecosystem approach to fisheries in a global context. <i>Ecology and Society</i> , 2020, 25, .	1.0	6
81	Overfishing species on the move may burden seafood provision in the low-latitude Atlantic Ocean. <i>Science of the Total Environment</i> , 2022, 836, 155480.	3.9	6
82	Penguins™ perilous conservation status calls for complementary approach based on sound ecological principles: reply to Butterworth et al. (2015). <i>Ecological Modelling</i> , 2016, 337, 1-3.	1.2	5
83	Assessing the changing biodiversity of exploited marine ecosystems. <i>Current Opinion in Environmental Sustainability</i> , 2017, 29, 89-97.	3.1	5
84	Modelling changes in trophic and structural impacts of alien ecosystem engineers on a rocky-shore island. <i>Ecological Modelling</i> , 2020, 433, 109227.	1.2	5
85	Synthesis and perspective. , 2001, , 344-351.		3