Interdecadal variations in Japanese sardine and ocean/climat

DOI: 10.1046/j.1365-2419.1999.00089.x
Fisheries Oceanography, 1999, 8, 18-24.

#	Paper	IF	Citations
75	Interdecadal modulation of interannual atmospheric and oceanic variability over the North Pacific. *Progress in Oceanography*, **1999**, 43, 163-192	3.8	62
74	Population decline of the Japanese sardine, Sardinops melanostictus, in relation to sea surface temperature in the Kuroshio Extension. *Canadian Journal of Fisheries and Aquatic Sciences*, **1999**, 56, 973-983	2.4	81
73	Ecological variations and El Niño effects off the southern coast of the Korean Peninsula during the last three decades. *Fisheries Oceanography*, **2000**, 9, 239-247	2.4	29
72	Spatio-temporal structure of the pentadecadal variability over the North Pacific. *Progress in Oceanography*, **2000**, 47, 381-408	3.8	162
71	Variability from scales in marine sediments and other historical records. **2001**, 45-63		14
70	Decadal-scale variability in populations. **2001**, 64-87		24
69	Biophysical dynamics of western transition zones: a preliminary synthesis. *Fisheries Oceanography*, **2001**, 10, 133-150	2.4	38
68	The potential impacts of global climate change on marine protected areas. *Reviews in Fish Biology and Fisheries*, **2001**, 11, 181-195	6	43
67	Impact of El Niño events and climate regime shift on living resources in the western North Pacific. *Progress in Oceanography*, **2001**, 49, 113-127	3.8	56
66	Anatomy of North Pacific Decadal Variability. *Journal of Climate*, **2002**, 15, 586-605	4.4	184
65	Climate Development and History of the North Atlantic Realm. **2002**,		5
64	The Pacific Decadal Oscillation. *Journal of Oceanography*, **2002**, 58, 35-44	1.9	1721
63	Hydrographic Structure and Variability in the Kuroshio-Oyashio Transition Area. *Journal of Oceanography*, **2003**, 59, 389-402	1.9	257
62	Empirical biomass model for the Japanese sardine, Sardinops melanostictus, with sea surface temperature in the Kuroshio Extension. *Fisheries Oceanography*, **2003**, 12, 1-9	2.4	26
61	Variations in the abundance of Pacific saury (Cololabis saira) from the northwestern Pacific in relation to oceanic-climate changes. *Fisheries Research*, **2003**, 60, 439-454	2.3	58
60	Differences in Responses of Chinook Salmon to Climate Shifts: Implications for Conservation. *Environmental Biology of Fishes*, **2004**, 70, 155-167	1.6	8
59	Decadal-Scale Climate and Ecosystem Interactions in the North Pacific Ocean. *Journal of Oceanography*, **2004**, 60, 163-188	1.9	76

58	Interdecadal temperature variations in the North Pacific Central Mode Water simulated by an OGCM. *Journal of Oceanography*, **2004**, 60, 865-877	1.9	19
57	THE ROLES OF FISHING AND CLIMATE IN THE POPULATION DYNAMICS OF BOCACCIO ROCKFISH. **2005**, 15, 458-468		23
56	Changes in world ocean nitrate availability through the 20th century. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2005**, 52, 1719-1744	2.5	20
55	Biological processes linking climate changes to sardine population dynamics. *Nippon Suisan Gakkaishi*, **2007**, 73, 758-762	0.2	
54	Optimal growth temperature hypothesis: Why do anchovy flourish and sardine collapse or vice versa under the same ocean regime?. *Canadian Journal of Fisheries and Aquatic Sciences*, **2007**, 64, 768-776	2.4	159
53	Klimawandel und Fischbest□de. Hering, Sardine und Sardelle. *Biologie in Unserer Zeit*, **2008**, 38, 30-38	0.1	
52	Sighting survey of cetaceans in the Tsugaru Strait, Japan. *Fisheries Science*, **2008**, 74, 211-213	1.9	
51	Natural variability of fisheries and lunar illumination: a hypothesis. *Fish and Fisheries*, **2008**, 9, 138-154	6	28
50	Vertical distributions of Japanese sardine (Sardinops melanostictus) eggs: comparison of observations and a wind-forced Lagrangian mixing model. *Fisheries Oceanography*, **2008**, 17, 89-100	2.4	8
49	Japanese sardine (Sardinops melanostictus) mortality in relation to the winter mixed layer depth in the Kuroshio Extension region. *Fisheries Oceanography*, **2008**, 17, 411-420	2.4	27
48	Contrasting spawning temperature optima: Why are anchovy and sardine regime shifts synchronous across the North Pacific?. *Progress in Oceanography*, **2008**, 77, 225-232	3.8	76
47	Simulating the Marine Environment and its Use in Fisheries Research. 399-417		
46	Climate Change in the U.S. Atlantic Affecting Recreational Fisheries. *Reviews in Fisheries Science*, **2009**, 17, 267-289		12
45	A simulation model for Japanese sardine (Sardinops melanostictus) migrations in the western North Pacific. *Ecological Modelling*, **2009**, 220, 462-479	3	53
44	Transport and environmental temperature variability of eggs and larvae of the Japanese anchovy (Engraulis japonicus) and Japanese sardine (Sardinops melanostictus) in the western North Pacific estimated via numerical particle-tracking experiments. *Fisheries Oceanography*, **2009**, 18, 118-133	2.4	44
43	Paleoecological studies on variability in marine fish populations: A long-term perspective on the impacts of climatic change on marine ecosystems. *Journal of Marine Systems*, **2010**, 79, 316-326	2.7	54
42	North Pacific Decadal Variability and Climate Change in the IPCC AR4 Models. *Journal of Climate*, **2011**, 24, 3049-3067	4.4	82
41	Impact of winter-to-spring environmental variability along the Kuroshio jet on the recruitment of Japanese sardine (Sardinops melanostictus). *Fisheries Oceanography*, **2011**, 20, 570-582	2.4	47

40	Long-term variability of winter mixed layer depth and temperature along the Kuroshio jet in a high-resolution ocean general circulation model. *Journal of Oceanography*, **2011**, 67, 503-518	1.9	19
39	Impacts of climate change on growth, migration and recruitment success of Japanese sardine (Sardinops melanostictus) in the western North Pacific. *Climatic Change*, **2012**, 115, 485-503	4.5	23
38	A modeling approach to evaluate growth and movement for recruitment success of Japanese sardine (Sardinops melanostictus) in the western Pacific. *Fisheries Oceanography*, **2012**, 21, 44-57	2.4	36
37	Transport and survival of Japanese sardine (Sardinops melanostictus) eggs and larvae via particle-tracking experiments. *Fisheries Oceanography*, **2013**, 22, 509-522	2.4	17
36	Control of Decadal and Bidecadal Climate Variability in the Tropical Pacific by the Off-Equatorial South Pacific Ocean. *Journal of Climate*, **2013**, 26, 6524-6534	4.4	20
35	Effects of climate variability and climate change on the fishing conditions for grey mullet (Mugil cephalus L.) in the Taiwan Strait. *Climatic Change*, **2014**, 126, 189-202	4.5	24
34	Modeling the impact of climate variability on Black Sea anchovy recruitment and production. *Fisheries Oceanography*, **2014**, 23, 436-457	2.4	8
33	Estimating the nitrate concentration from the dissolved oxygen concentration and seawater temperature in the Kuroshio extension, Oyashio, and mixed water regions. *Journal of Oceanography* , **2015**, 71, 19-26	1.9	
32	High sea surface temperatures driven by a strengthening current reduce foraging success by penguins. *Scientific Reports*, **2016**, 6, 22236	4.9	29
31	Temperature dependence of δ18 O in otolith of juvenile Japanese sardine: Laboratory rearing experiment with micro-scale analysis. *Fisheries Research*, **2017**, 194, 55-59	2.3	24
30	A Comparative Analysis of SVM and IDNN for Identifying Penguin Activities. *Applied Artificial Intelligence*, **2017**, 31, 453-471	2.3	6
29	Stimpson's hard clam Mercenaria stimpsoni; A multi-decadal climate recorder for the northwest Pacific coast. *Marine Environmental Research*, **2018**, 133, 49-56	3.3	8
28	Environmental characteristics of spawning and nursery grounds of Japanese sardine and mackerels in the Kuroshio and Kuroshio Extension area. *Fisheries Oceanography*, **2019**, 28, 454-467	2.4	10
27	Climate-induced long-term variations in ecosystem structure and atmosphere-ocean-ecosystem processes in the Yellow Sea and East China Sea. *Progress in Oceanography*, **2019**, 175, 183-197	3.8	20
26	Relationship between recruitment of Japanese sardine (Sardinops melanostictus) and environment of larval habitat in the low-stock period (1995–2010). *Fisheries Oceanography*, **2019**, 28, 131-142	2.4	11
25	Interannual to decadal variability in the catches of small pelagic fishes from China Seas and its responses to climatic regime shifts. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2019** , 159, 112-129	2.3	24
24	Long-term variation in the abundance of Pacific herring (Clupea pallasii) from the Yellow Sea in the western North Pacific and its relation to climate over the past 590 years. *Fisheries Oceanography*, **2020**, 29, 56-65	2.4	1
23	Marine Ecosystem Variations Over the North Pacific and Their Linkage to Large-Scale Climate Variability and Change. *Frontiers in Marine Science*, **2020**, 7,	4.5	6

22	Climate-induced nonlinearity in pelagic communities and non-stationary relationships with physical drivers in the Kuroshio ecosystem. *Fish and Fisheries*, **2021**, 22, 1-17	6	5
21	From the Perspective on Climate Change and Variability. *Trends in the Sciences*, **2021**, 26, 1_28-1_34	0	
20	Assessing Summertime Primary Production Required in Changed Marine Environments in Upwelling Ecosystems Around the Taiwan Bank. *Remote Sensing*, **2021**, 13, 765	5	2
19	Cold offshore area provides a favorable feeding ground with lipid-rich foods for juvenile Japanese sardine. *Fisheries Oceanography*, **2021**, 30, 455-470	2.4	1
18	Spatiotemporal spawning patterns and early growth of Japanese sardine in the western North Pacific during the recent stock increase. *Fisheries Oceanography*, **2021**, 30, 643	2.4	2
17	The Effect of Climatic Variation on Pelagic Fish and Fisheries. **2001**, 247-265		8
16	Climate Variability and Historical NW European Fisheries. **2002**, 435-445		2
15	Offshore currents explain the discontinuity of a fish community in the seagrass bed along the Japanese archipelago. *Fisheries Oceanography*, **2017**, 26, 65-68	2.4	7
14	Winter mixed layer depth and spring bloom along the Kuroshio front: implications for the Japanese sardine stock. *Marine Ecology - Progress Series*, **2013**, 487, 217-229	2.6	30
13	Variability in at-sea foraging behaviour of little penguins Eudyptula minor in response to finescale environmental features. *Marine Ecology - Progress Series*, **2019**, 627, 141-154	2.6	5
12	A Preliminary Investigation on the Omani Sardines and Anchovies Stock Fluctuation; Recommendations for Future Studies. *Pakistan Journal of Biological Sciences*, **2006**, 9, 1073-1082	0.8	8
11	Studies on the formation, transport and modification of North Pacific Intermediate Water. *Oceanography in Japan*, **2012**, 21, 83-99	0.5	
10	Analytical studies from processes to decadal scale air-sea coupled variability. *Oceanography in Japan*, **2014**, 23, 147-169	0.5	
9	Spatio-temporal spawning patterns and early growth of Japanese sardine in the western North Pacific during the recent stock increase.		
8	Otolith Microstructure Analysis Reveals Different Growth Histories of Japanese Sardine (Sardinops melanostictus) in the Oyashio Waters. *Journal of Ocean University of China*, **2022**, 21, 236-242	1	
7	Response of Japanese anchovy (Engraulis japonicus) to the Pacific Decadal Oscillation in the Yellow Sea over the past 400 a. *Acta Oceanologica Sinica*, 1	1	0
6	Knowledge on the Biological and Fisheries Aspects of the Japanese Sardine, Sardinops melanostictus (Schlegel, 1846). *Journal of Marine Science and Engineering*, **2021**, 9, 1403	2.4	0
5	Data_Sheet_1.docx. **2020**,		

4	Dynamic prediction of the ricker-type model of Portunus trituberculatus on the basis of marine environmental factors. 9,	
3	Toward Regional Marine Ecological Forecasting Using Global Climate Model Predictions From Subseasonal to Decadal Timescales: Bottlenecks and Recommendations. 9,	
2	Coastal seascape variability in the intensifying East Australian Current Southern Extension. 9,	0
1	Exploring the Response of the Japanese Sardine (Sardinops melanostictus) Stock-Recruitment Relationship to Environmental Changes under Different Structural Models. **2022**, 7, 276	0