Shijie Zhou

List of Publications by Year
in descending order

61 papers	2,506 citations	257450 24 h-index	197818 49 g-index
61 all docs	61 docs citations	61 times ranked	2566 citing authors

#	Article	IF	Citations
1	Evaluating methods for estimating shark natural mortality rate and management reference points using life-history parameters. Fish and Fisheries, 2022, 23, 462-477.	5.3	3
2	Effects of re-specifying the Northern Prawn Fishery bioeconomic model to include banana prawns. Fisheries Research, 2022, 247, 106190.	1.7	7
3	Estimating growth from length frequency distribution: comparison of ELEFAN and Bayesian approaches for red endeavour prawns (*Metapenaeus ensis*). ICES Journal of Marine Science, 2022, 79, 1942-1953.	2.5	7
4	Long-Term Variability of Piscivorous Fish in China Seas Under Climate Change With Implication for Fisheries Management. Frontiers in Marine Science, 2021, 8, .	2.5	4
5	Commentary: Fishing Without a Trace? Assessing the Balanced Harvest Approach Using EcoTroph. Frontiers in Marine Science, 2021, 7, .	2.5	3
6	A Bayesian hierarchical approach to estimate growth parameters from length data of narrow spread. ICES Journal of Marine Science, 2020, 77, 613-623.	2.5	4
7	Natural mortality estimation using tree-based ensemble learning models. ICES Journal of Marine Science, 2020, 77, 1414-1426.	2.5	7
8	Identifying spawner biomass per-recruit reference points from life-history parameters. Fish and Fisheries, 2020, 21, 760-773.	5.3	12
9	Balanced harvest: concept, policies, evidence, and management implications. Reviews in Fish Biology and Fisheries, 2019, 29, 711-733.	4.9	41
10	Linking Production and Consumption: The Role for Fish and Seafood in a Healthy and Sustainable Australian Diet. Nutrients, 2019, 11, 1766.	4.1	11
11	A data-limited method for assessing cumulative fishing risk on bycatch. ICES Journal of Marine Science, 2019, 76, 837-847.	2.5	10
12	Catch per unit effort standardization using spatio-temporal models for Australia's Eastern Tuna and Billfish Fishery. ICES Journal of Marine Science, 2019, 76, 1489-1504.	2.5	17
13	Fresh eyes on an old issue: Demand-side barriers to a discard problem. Fisheries Research, 2019, 209, 14-23.	1.7	15
14	An optimized catch-only assessment method for data poor fisheries. ICES Journal of Marine Science, 2018, 75, 964-976.	2.5	40
15	Estimating stock depletion level from patterns of catch history. Fish and Fisheries, 2017, 18, 742-751.	5.3	34
16	Effect of fishing intensity and selectivity on trophic structure and fishery production. Marine Ecology - Progress Series, 2017, 585, 185-198.	1.9	15
17	Ecological risk assessments for the effects of fishing: A comparison and validation of PSA and SAFE. Fisheries Research, 2016, 183, 518-529.	1.7	36
18	Balanced harvest: utopia, failure, or a functional strategy?. ICES Journal of Marine Science, 2016, 73, 1616-1622.	2.5	20

#	ARTICLE	IF	CITATIONS
19	Maximum likelihood estimation of natural mortality and quantification of temperature effects on catchability of brown tiger prawn (Penaeus esculentus) in Moreton Bay (Australia) using logbook data. Ecological Modelling, 2016, 322, 1-9.	2.5	4
20	Ending overfishing while catching more fish. Fish and Fisheries, 2015, 16, 716-722.	5.3	53
21	Soft bodies make estimation hard: correlations among body dimensions and weights of multiple species of sea cucumbers. Marine and Freshwater Research, 2015, 66, 857.	1.3	12
22	Getting all information out of logbooks: estimating banana prawn fishable biomass, catchability, and fishing power increase, with a focus on natural mortality. ICES Journal of Marine Science, 2015, 72, 54-61.	2.5	12
23	Modelling multiple fishing gear efficiencies and abundance for aggregated populations using fishery or survey data. ICES Journal of Marine Science, 2014, 71, 2436-2447.	2.5	15
24	Evaluating sustainability of fisheries bycatch mortality for marine megafauna: a review of conservation reference points for data-limited populations. Environmental Conservation, 2013, 40, 329-344.	1.3	47
25	A stepwise–selected spline approximation to time–varying parameters, with application to occupancy modelling. Methods in Ecology and Evolution, 2013, 4, 123-132.	5.2	7
26	Integrated risk analysis for rare marine species impacted by fishing: sustainability assessment and population trend modelling. ICES Journal of Marine Science, 2012, 69, 271-280.	2.5	14
27	Reconsidering the Consequences of Selective Fisheries. Science, 2012, 335, 1045-1047.	12.6	392
28	Linking fishing mortality reference points to life history traits: anÂempirical study. Canadian Journal of Fisheries and Aquatic Sciences, 2012, 69, 1292-1301.	1.4	120
29	Estimating multifleet catchability coefficients and natural mortality from fishery catch and effort data: comparison of Bayesian state–space and observation error models. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 1171-1181.	1.4	13
30	Modelling climate-change effects on Australian and Pacific aquatic ecosystems: a review of analytical tools and management implications. Marine and Freshwater Research, 2011, 62, 1132.	1.3	55
31	Quantitative ecological risk assessment for fishing effects on diverse data-poor non-target species in a multi-sector and multi-gear fishery. Fisheries Research, 2011, 112, 168-178.	1.7	44
32	Ecological risk assessment for the effects of fishing. Fisheries Research, 2011, 108, 372-384.	1.7	427
33	Calculating optimal effort and catch trajectories for multiple species modelled using a mix of size-structured, delay-difference and biomass dynamics models. Fisheries Research, 2011, 109, 201-211.	1.7	37
34	Bayesian fishable biomass dynamics models incorporating fished area and relative fish density. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 1603-1614.	1.4	1
35	Maximizing profits and conserving stocks in the Australian Northern Prawn Fishery. Australian Journal of Agricultural and Resource Economics, 2010, 54, 281-299.	2.6	55
36	Ecosystem-based fisheries management requires a change to the selective fishing philosophy. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9485-9489.	7.1	280

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37	Integrating size-structured assessment and bioeconomic management advice in Australia's northern prawn fishery. ICES Journal of Marine Science, 2010, 67, 1785-1801.	2.5	55
38	Sustainability assessment for fishing effects (SAFE) on highly diverse and data-limited fish bycatch in a tropical prawn trawl fishery. Marine and Freshwater Research, 2009, 60, 563.	1.3	30
39	Spatio-temporal modelling of prawns in Albatross Bay, Karumba and Mornington Island. Fisheries Research, 2009, 96, 173-187.	1.7	8
40	Modified hierarchical Bayesian biomass dynamics models for assessment of short-lived invertebrates: a comparison for tropical tiger prawns. Marine and Freshwater Research, 2009, 60, 1298.	1.3	21
41	Fishery by‐catch and discards: a positive perspective from ecosystem‐based fishery management. Fish and Fisheries, 2008, 9, 308-315.	5.3	31
42	Sustainability Assessment for Fishing Effects (SAFE): A new quantitative ecological risk assessment method and its application to elasmobranch bycatch in an Australian trawl fishery. Fisheries Research, 2008, 91, 56-68.	1.7	98
43	Beyond biological performance measures in management strategy evaluation: Bringing in economics and the effects of trawling on the benthos. Fisheries Research, 2008, 94, 238-250.	1.7	92
44	Estimating prawn abundance and catchability from catch-effort data: comparison of fixed and random effects models using maximum likelihood and hierarchical Bayesian methods. Marine and Freshwater Research, 2008, 59, 1.	1.3	11
45	Estimating abundance from detection?nondetection data for randomly distributed or aggregated elusive populations. Ecography, 2007, 30, 537-549.	4.5	11
46	Is catchability density-dependent for schooling prawns?. Fisheries Research, 2007, 85, 23-36.	1.7	19
47	Discriminating alternative stock‐recruitment models and evaluating uncertainty in model structure. Fisheries Research, 2007, 86, 268-279.	1.7	28
48	Estimating abundance from detection‐nondetection data for randomly distributed or aggregated elusive populations. Ecography, 2007, 30, 537-549.	4.5	14
49	The Effect of an Introduced Summer Steelhead Hatchery Stock on the Productivity of a Wild Winter Steelhead Population. Transactions of the American Fisheries Society, 2006, 135, 825-841.	1.4	29
50	A Pipeline Model for Estimating Fishing Mortality in Salmon Mark-Selective Fisheries. North American Journal of Fisheries Management, 2004, 24, 979-989.	1.0	3
51	Application of Artificial Neural Networks for Forecasting Salmon Escapement. North American Journal of Fisheries Management, 2003, 23, 48-59.	1.0	14
52	Size-Dependent Recovery of Chinook Salmon in Carcass Surveys. Transactions of the American Fisheries Society, 2002, 131, 1194-1202.	1.4	21
53	Uncertainties in Estimating Fishing Mortality in Unmarked Salmon in Mark-Selective Fisheries Using Double-Index-Tagging Methods. North American Journal of Fisheries Management, 2002, 22, 480-493.	1.0	8
54	Estimating Parameters of Derived Random Variables: Comparison of the Delta and Parametric Bootstrap Methods. Transactions of the American Fisheries Society, 2002, 131, 667-675.	1.4	11

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55	Modifications of Cod Pots to Reduce Tanner Crab Bycatch. North American Journal of Fisheries Management, 2000, 20, 897-907.	1.0	1
56	Feeding and Growth of the Red King Crab Paralithodes Camtschaticus Under Laboratory Conditions. Journal of Crustacean Biology, 1998, 18, 337-345.	0.8	34
57	A Model Expressing the Relationship between Catch and Soak Time for Trap Fisheries. North American Journal of Fisheries Management, 1997, 17, 482-487.	1.0	14
58	Chemoreception and feeding responses of red king crabs to potential bait extracts. Crustacean Research, 1997, 26, 1-15.	0.8	5
59	Behavioural responses of red king crab to crab pots. Fisheries Research, 1997, 30, 177-189.	1.7	31
60	Lecithotrophic Development of the Golden King Crab Lithodes aequispinus (Anomura: Lithodidae). Journal of Crustacean Biology, 1997, 17, 207.	0.8	33
61	Distribution of red king crabs and Tanner crabs in the summer by habitat and depth in an Alaskan fjord. Investigaciones Marinas, 0, 25, 59.	0.1	10