

Shijie Zhou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6873077/publications.pdf>

Version: 2024-02-01

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	Ecological risk assessment for the effects of fishing. <i>Fisheries Research</i> , 2011, 108, 372-384.	1.7	427
2	Reconsidering the Consequences of Selective Fisheries. <i>Science</i> , 2012, 335, 1045-1047.	12.6	392
3	Ecosystem-based fisheries management requires a change to the selective fishing philosophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9485-9489.	7.1	280
4	Linking fishing mortality reference points to life history traits: an empirical study. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2012, 69, 1292-1301.	1.4	120
5	Sustainability Assessment for Fishing Effects (SAFE): A new quantitative ecological risk assessment method and its application to elasmobranch bycatch in an Australian trawl fishery. <i>Fisheries Research</i> , 2008, 91, 56-68.	1.7	98
6	Beyond biological performance measures in management strategy evaluation: Bringing in economics and the effects of trawling on the benthos. <i>Fisheries Research</i> , 2008, 94, 238-250.	1.7	92
7	Maximizing profits and conserving stocks in the Australian Northern Prawn Fishery. <i>Australian Journal of Agricultural and Resource Economics</i> , 2010, 54, 281-299.	2.6	55
8	Integrating size-structured assessment and bioeconomic management advice in Australia's northern prawn fishery. <i>ICES Journal of Marine Science</i> , 2010, 67, 1785-1801.	2.5	55
9	Modelling climate-change effects on Australian and Pacific aquatic ecosystems: a review of analytical tools and management implications. <i>Marine and Freshwater Research</i> , 2011, 62, 1132.	1.3	55
10	Ending overfishing while catching more fish. <i>Fish and Fisheries</i> , 2015, 16, 716-722.	5.3	53
11	Evaluating sustainability of fisheries bycatch mortality for marine megafauna: a review of conservation reference points for data-limited populations. <i>Environmental Conservation</i> , 2013, 40, 329-344.	1.3	47
12	Quantitative ecological risk assessment for fishing effects on diverse data-poor non-target species in a multi-sector and multi-gear fishery. <i>Fisheries Research</i> , 2011, 112, 168-178.	1.7	44
13	Balanced harvest: concept, policies, evidence, and management implications. <i>Reviews in Fish Biology and Fisheries</i> , 2019, 29, 711-733.	4.9	41
14	An optimized catch-only assessment method for data poor fisheries. <i>ICES Journal of Marine Science</i> , 2018, 75, 964-976.	2.5	40
15	Calculating optimal effort and catch trajectories for multiple species modelled using a mix of size-structured, delay-difference and biomass dynamics models. <i>Fisheries Research</i> , 2011, 109, 201-211.	1.7	37
16	Ecological risk assessments for the effects of fishing: A comparison and validation of PSA and SAFE. <i>Fisheries Research</i> , 2016, 183, 518-529.	1.7	36
17	Feeding and Growth of the Red King Crab <i>Paralithodes Camtschaticus</i> Under Laboratory Conditions. <i>Journal of Crustacean Biology</i> , 1998, 18, 337-345.	0.8	34
18	Estimating stock depletion level from patterns of catch history. <i>Fish and Fisheries</i> , 2017, 18, 742-751.	5.3	34

#	ARTICLE	IF	CITATIONS
19	Lectithotrophic Development of the Golden King Crab <i>Lithodes aequispinus</i> (Anomura: Lithodidae). <i>Journal of Crustacean Biology</i> , 1997, 17, 207.	0.8	33
20	Behavioural responses of red king crab to crab pots. <i>Fisheries Research</i> , 1997, 30, 177-189.	1.7	31
21	Fishery by-catch and discards: a positive perspective from ecosystem-based fishery management. <i>Fish and Fisheries</i> , 2008, 9, 308-315.	5.3	31
22	Sustainability assessment for fishing effects (SAFE) on highly diverse and data-limited fish bycatch in a tropical prawn trawl fishery. <i>Marine and Freshwater Research</i> , 2009, 60, 563.	1.3	30
23	The Effect of an Introduced Summer Steelhead Hatchery Stock on the Productivity of a Wild Winter Steelhead Population. <i>Transactions of the American Fisheries Society</i> , 2006, 135, 825-841.	1.4	29
24	Discriminating alternative stock-recruitment models and evaluating uncertainty in model structure. <i>Fisheries Research</i> , 2007, 86, 268-279.	1.7	28
25	Size-Dependent Recovery of Chinook Salmon in Carcass Surveys. <i>Transactions of the American Fisheries Society</i> , 2002, 131, 1194-1202.	1.4	21
26	Modified hierarchical Bayesian biomass dynamics models for assessment of short-lived invertebrates: a comparison for tropical tiger prawns. <i>Marine and Freshwater Research</i> , 2009, 60, 1298.	1.3	21
27	Balanced harvest: utopia, failure, or a functional strategy?. <i>ICES Journal of Marine Science</i> , 2016, 73, 1616-1622.	2.5	20
28	Is catchability density-dependent for schooling prawns?. <i>Fisheries Research</i> , 2007, 85, 23-36.	1.7	19
29	Catch per unit effort standardization using spatio-temporal models for Australia's Eastern Tuna and Billfish Fishery. <i>ICES Journal of Marine Science</i> , 2019, 76, 1489-1504.	2.5	17
30	Modelling multiple fishing gear efficiencies and abundance for aggregated populations using fishery or survey data. <i>ICES Journal of Marine Science</i> , 2014, 71, 2436-2447.	2.5	15
31	Fresh eyes on an old issue: Demand-side barriers to a discard problem. <i>Fisheries Research</i> , 2019, 209, 14-23.	1.7	15
32	Effect of fishing intensity and selectivity on trophic structure and fishery production. <i>Marine Ecology - Progress Series</i> , 2017, 585, 185-198.	1.9	15
33	A Model Expressing the Relationship between Catch and Soak Time for Trap Fisheries. <i>North American Journal of Fisheries Management</i> , 1997, 17, 482-487.	1.0	14
34	Application of Artificial Neural Networks for Forecasting Salmon Escapement. <i>North American Journal of Fisheries Management</i> , 2003, 23, 48-59.	1.0	14
35	Estimating abundance from detection-nondetection data for randomly distributed or aggregated elusive populations. <i>Ecography</i> , 2007, 30, 537-549.	4.5	14
36	Integrated risk analysis for rare marine species impacted by fishing: sustainability assessment and population trend modelling. <i>ICES Journal of Marine Science</i> , 2012, 69, 271-280.	2.5	14

#	ARTICLE	IF	CITATIONS
37	Estimating multifleet catchability coefficients and natural mortality from fishery catch and effort data: comparison of Bayesian state-space and observation error models. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 1171-1181.	1.4	13
38	Soft bodies make estimation hard: correlations among body dimensions and weights of multiple species of sea cucumbers. <i>Marine and Freshwater Research</i> , 2015, 66, 857.	1.3	12
39	Getting all information out of logbooks: estimating banana prawn fishable biomass, catchability, and fishing power increase, with a focus on natural mortality. <i>ICES Journal of Marine Science</i> , 2015, 72, 54-61.	2.5	12
40	Identifying spawner biomass per recruit reference points from life-history parameters. <i>Fish and Fisheries</i> , 2020, 21, 760-773.	5.3	12
41	Estimating Parameters of Derived Random Variables: Comparison of the Delta and Parametric Bootstrap Methods. <i>Transactions of the American Fisheries Society</i> , 2002, 131, 667-675.	1.4	11
42	Estimating abundance from detection/nondetection data for randomly distributed or aggregated elusive populations. <i>Ecography</i> , 2007, 30, 537-549.	4.5	11
43	Linking Production and Consumption: The Role for Fish and Seafood in a Healthy and Sustainable Australian Diet. <i>Nutrients</i> , 2019, 11, 1766.	4.1	11
44	Estimating prawn abundance and catchability from catch-effort data: comparison of fixed and random effects models using maximum likelihood and hierarchical Bayesian methods. <i>Marine and Freshwater Research</i> , 2008, 59, 1.	1.3	11
45	Distribution of red king crabs and Tanner crabs in the summer by habitat and depth in an Alaskan fjord. <i>Investigaciones Marinas</i> , 0, 25, 59.	0.1	10
46	A data-limited method for assessing cumulative fishing risk on bycatch. <i>ICES Journal of Marine Science</i> , 2019, 76, 837-847.	2.5	10
47	Uncertainties in Estimating Fishing Mortality in Unmarked Salmon in Mark-Selective Fisheries Using Double-Index-Tagging Methods. <i>North American Journal of Fisheries Management</i> , 2002, 22, 480-493.	1.0	8
48	Spatio-temporal modelling of prawns in Albatross Bay, Karumba and Mornington Island. <i>Fisheries Research</i> , 2009, 96, 173-187.	1.7	8
49	A stepwise-selected spline approximation to time-varying parameters, with application to occupancy modelling. <i>Methods in Ecology and Evolution</i> , 2013, 4, 123-132.	5.2	7
50	Natural mortality estimation using tree-based ensemble learning models. <i>ICES Journal of Marine Science</i> , 2020, 77, 1414-1426.	2.5	7
51	Effects of re-specifying the Northern Prawn Fishery bioeconomic model to include banana prawns. <i>Fisheries Research</i> , 2022, 247, 106190.	1.7	7
52	Estimating growth from length frequency distribution: comparison of ELEFAN and Bayesian approaches for red endeavour prawns (<i>Metapenaeus ensis</i>). <i>ICES Journal of Marine Science</i> , 2022, 79, 1942-1953.	2.5	7
53	Chemoreception and feeding responses of red king crabs to potential bait extracts. <i>Crustacean Research</i> , 1997, 26, 1-15.	0.8	5
54	Maximum likelihood estimation of natural mortality and quantification of temperature effects on catchability of brown tiger prawn (<i>Penaeus esculentus</i>) in Moreton Bay (Australia) using logbook data. <i>Ecological Modelling</i> , 2016, 322, 1-9.	2.5	4

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	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
58	Commentary: Fishing Without a Trace? Assessing the Balanced Harvest Approach Using EcoTroph. Frontiers in Marine Science, 2021, 7, .	2.5	3
59	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
60	Modifications of Cod Pots to Reduce Tanner Crab Bycatch. North American Journal of Fisheries Management, 2000, 20, 897-907.	1.0	1
61	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