Kyle W Shertzer

List of Publications by Year
in descending order

64	1,808	331538	289141
papers	citations	21 h-index	40 g-index

66	66	66	1951
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crossing the Hopf Bifurcation in a Live Predator-Prey System. Science, 2000, 290, 1358-1360.	6.0	366
2	A stage-based matrix population model of invasive lionfish with implications for control. Biological Invasions, 2011, 13, 7-12.	1.2	100
3	Predator-prey cycles in an aquatic microcosm: testing hypotheses of mechanism. Journal of Animal Ecology, 2002, 71, 802-815.	1.3	86
4	Integrated Population Modeling of Black Bears in Minnesota: Implications for Monitoring and Management. PLoS ONE, 2010, 5, e12114.	1.1	80
5	When can we reliably estimate the productivity of fish stocks?. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 511-523.	0.7	74
6	Meta-Analysis Reveals Artificial Reefs Can Be Effective Tools for Fish Community Enhancement but Are Not One-Size-Fits-All. Frontiers in Marine Science, 2020, 7, .	1.2	63
7	A review of stock assessment packages in the United States. Fisheries Research, 2016, 183, 447-460.	0.9	58
8	Gulf menhaden (Brevoortia patronus) in the U.S. Gulf of Mexico: Fishery characteristics and biological reference points for management. Fisheries Research, 2007, 83, 263-275.	0.9	55
9	Unraveling the recruitment problem: A review of environmentally-informed forecasting and management strategy evaluation. Fisheries Research, 2019, 217, 198-216.	0.9	54
10	Implications of life-history invariants for biological reference points used in fishery management. Canadian Journal of Fisheries and Aquatic Sciences, 2003, 60, 710-720.	0.7	53
11	Targets and Limits for Management of Fisheries: A Simple Probability-Based Approach. North American Journal of Fisheries Management, 2003, 23, 349-361.	0.5	53
12	Delay in fishery management: diminished yield, longer rebuilding, and increased probability of stock collapse1. ICES Journal of Marine Science, 2007, 64, 149-159.	1.2	47
13	Performance of methods used to estimate indices of abundance for highly migratory species. Fisheries Research, 2012, 125-126, 27-39.	0.9	38
14	Spawner-Recruit Relationships of Demersal Marine Fishes: Prior Distribution of Steepness. Bulletin of Marine Science, 2012, 88, 39-50.	0.4	36
15	Tropical storms influence the movement behavior of a demersal oceanic fish species. Scientific Reports, 2019, 9, 1481.	1.6	34
16	Ammonium uptake and growth models in marine diatoms: Monod and Droop revisited. Marine Ecology - Progress Series, 2009, 386, 29-41.	0.9	33
17	Deriving Acceptable Biological Catch from the Overfishing Limit: Implications for Assessment Models. North American Journal of Fisheries Management, 2010, 30, 289-294.	0.5	32
18	STATE-DEPENDENT ENERGY ALLOCATION IN VARIABLE ENVIRONMENTS: LIFE HISTORY EVOLUTION OF A ROTIFER. Ecology, 2002, 83, 2181-2193.	1.5	31

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19	Estimating relative abundance and species richness from video surveys of reef fishes. Fishery Bulletin, 2014, 113, 15-26.	0.1	30
20	Ecological and Evolutionary Dynamics of Experimental Plankton Communities. Advances in Ecological Research, 2005, 37, 221-243.	1.4	28
21	Risk assessment of cartilaginous fish populations. ICES Journal of Marine Science, 2015, 72, 1057-1068.	1.2	28
22	Fine-scale movement patterns and behavioral states of gray triggerfish Balistes capriscus determined from acoustic telemetry and hidden Markov models. Fisheries Research, 2019, 215, 76-89.	0.9	27
23	Effect of Changes in Dissolved Oxygen Concentrations on the Spatial Dynamics of the Gulf Menhaden Fishery in the Northern Gulf of Mexico. Marine and Coastal Fisheries, 2014, 6, 223-234.	0.6	22
24	Recreational sector is the dominant source of fishing mortality for oceanic fishes in the Southeast United States Atlantic Ocean. Fisheries Management and Ecology, 2019, 26, 621-629.	1.0	20
25	A novel approach to compare pinniped populations across a broad geographic range. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 175-185.	0.7	18
26	Catchability of reef fish species in traps is strongly affected by water temperature and substrate. Marine Ecology - Progress Series, 2020, 642, 179-190.	0.9	18
27	Relationships between Larval and Juvenile Abundance of Winter-Spawned Fishes in North Carolina, USA. Marine and Coastal Fisheries, 2009, 1, 12-21.	0.6	16
28	Assigning Fates in Telemetry Studies Using Hidden Markov Models: an Application to Deepwater Groupers Released with Descender Devices. North American Journal of Fisheries Management, 2020, 40, 1417-1434.	0.5	15
29	Modeling ecosystem disruptive algal blooms: positive feedback mechanisms. Marine Ecology - Progress Series, 2012, 447, 31-47.	0.9	15
30	Behavior of gray triggerfish Balistes capriscus around baited fish traps determined from fine-scale acoustic tracking. Marine Ecology - Progress Series, 2018, 606, 133-150.	0.9	15
31	Energy Storage and the Evolution of Population Dynamics. Journal of Theoretical Biology, 2002, 215, 183-200.	0.8	14
32	Probabilistic Approaches to Setting Acceptable Biological Catch and Annual Catch Targets for Multiple Years: Reconciling Methodology with National Standards Guidelines. Marine and Coastal Fisheries, 2010, 2, 451-458.	0.6	14
33	Environmental conditions, diel period, and fish size influence the horizontal and vertical movements of red snapper. Scientific Reports, 2021, 11, 9580.	1.6	14
34	Spatial structure and temporal patterns in a large marine ecosystem: Exploited reef fishes of the southeast United States. Fisheries Research, 2009, 100, 126-133.	0.9	13
35	Relationship between Gulf Menhaden Recruitment and Mississippi River Flow: Model Development and Potential Application for Management. Marine and Coastal Fisheries, 2011, 3, 344-352.	0.6	13
36	Indices of abundance in the Gulf of Mexico reef fish complex: A comparative approach using spatial data from vessel monitoring systems. Fisheries Research, 2018, 198, 1-13.	0.9	13

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37	Management implications of temporally and spatially varying catchability for the Gulf of Mexico menhaden fishery. Fisheries Research, 2016, 181, 186-197.	0.9	12
38	Abundance trends of highly migratory species in the Atlantic Ocean: accounting for water temperature profiles. ICES Journal of Marine Science, 2018, 75, 1427-1438.	1.2	12
39	Positive feedbacks between bottom-up and top-down controls promote the formation and toxicity of ecosystem disruptive algal blooms: A modeling study. Harmful Algae, 2014, 39, 342-356.	2.2	10
40	Paulik revisited: Statistical framework and estimation performance of multistage recruitment functions. Fisheries Research, 2019, 217, 58-70.	0.9	10
41	Integrating underwater video into traditional fisheries indices using a hierarchical formulation of a state-space model. Fisheries Research, 2019, 219, 105309.	0.9	10
42	Optimum lionfish yield: a non-traditional management concept for invasive lionfish (Pterois spp.) fisheries. Biological Invasions, 2021, 23, 795-810.	1.2	10
43	Assessing likelihoods for fitting composition data within stock assessments, with emphasis on different degrees of process and observation error. Fisheries Research, 2021, 243, 106069.	0.9	10
44	Least median of squares: a suitable objective function for stock assessment models?. Canadian Journal of Fisheries and Aquatic Sciences, 2002, 59, 1474-1481.	0.7	9
45	Remembering the future: A commentary on â€œIntergenerational discounting: A new intuitive approachâ€. Ecological Economics, 2006, 60, 24-26.	2.9	9
46	Relating trap capture to abundance: a hierarchical state-space model applied to black sea bass (Centropristis striata). ICES Journal of Marine Science, 2016, 73, 512-519.	1.2	8
47	Discard Mortality of Red Snapper Released with Descender Devices in the U.S. South Atlantic. Marine and Coastal Fisheries, 2021, 13, 478-495.	0.6	8
48	Developing Fishery-Independent Indices of Larval and Juvenile Gag Abundance in the Southeastern United States. Transactions of the American Fisheries Society, 2011, 140, 973-983.	0.6	6
49	Four decades of reef observations illuminate deepâ€water grouper hotspots. Fish and Fisheries, 2021, 22, 749-761.	2.7	6
50	An Introduction to Statistical Algorithms Useful in Stock Composition Analysis. , 2005, , 499-516.		6
51	Release mortality of endangered Warsaw grouper Hyporthodus nigritus: a state-space model applied to capture-recapture data. Endangered Species Research, 2018, 35, 15-22.	1.2	6
52	Improving stock assessments through data prioritization. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 1703-1711.	0.7	5
53	Identifying growth morphs from mixtures of size-at-age data. Fisheries Research, 2017, 185, 83-89.	0.9	5
54	Can subsets of species indicate overall patterns in biodiversity?. Ecosphere, 2017, 8, e01842.	1.0	5

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55	Characterizing sex ratios of sea turtle populations: A Bayesian mixture modeling approach applied to juvenile loggerheads (Caretta caretta). Journal of Experimental Marine Biology and Ecology, 2018, 504, 10-19.	0.7	5
56	Spatioâ€temporal dynamics of the threatened elkhorn coral Acropora palmata : Implications for conservation. Diversity and Distributions, 2020, 26, 1582-1597.	1.9	5
57	Estimating population abundance at a site in the open ocean: combining information from conventional and telemetry tags with application to gray triggerfish (Balistes capriscus). Canadian Journal of Fisheries and Aquatic Sciences, 2020, 77, 34-43.	0.7	4
58	Repetitive capture of marine fishes: implications for estimating number and mortality of releases. ICES Journal of Marine Science, 2020, 77, 2905-2917.	1.2	4
59	A comparison of 4 primary age-structured stock assessment models used in the United States. Fishery Bulletin, 2021, 119, 149-167.	0.1	4
60	Age, Growth, and Natural Mortality of Graysby, Cephalophilis cruentata, from the Southeastern United States. Fishes, 2019, 4, 36.	0.7	3
61	Fine-scale behavior of red snapper (Lutjanus campechanus) around bait: approach distances, bait plume dynamics, and effective fishing area. Canadian Journal of Fisheries and Aquatic Sciences, 2022, 79, 458-471.	0.7	3
62	The NMFS Southeast Region Headboat Survey: History, Methodology, and Data Integrity. Marine Fisheries Review, 2017, 79, 1-27.	1.2	2
63	Modeling Discards in Stock Assessments: Red Grouper Epinephelus morio in the U.S. Gulf of Mexico. Fishes, 2022, 7, 7.	0.7	2
64	Estimating length composition of fish observed with stereo-video cameras: A simulation study with application to red snapper (Lutjanus campechanus). Fisheries Research, 2022, 254, 106424.	0.9	1