Brice X Semmens

List of Publications by Year
in descending order

57 papers	5,491 citations	186265 28 h-index	168389 53 g-index
60 all docs	60 docs citations	60 times ranked	5572 citing authors

#	Article	IF	Citations
1	Fisheries Surveys Are Essential Ocean Observing Programs in a Time of Global Change: A Synthesis of Oceanographic and Ecological Data From U.S. West Coast Fisheries Surveys. Frontiers in Marine Science, 2022, 9, .	2.5	6
2	Grouper source levels and aggregation dynamics inferred from passive acoustic localization at a multispecies spawning site. Journal of the Acoustical Society of America, 2022, 151, 3052-3065.	1.1	2
3	Triennial migration and philopatry in the critically endangered soupfin shark Galeorhinus galeus. Journal of Applied Ecology, 2021, 58, 1570-1582.	4.0	14
4	The rise in climate change-induced federal fishery disasters in the United States. PeerJ, 2021, 9, e11186.	2.0	20
5	Pulse recruitment and recovery of Cayman Islands Nassau Grouper (Epinephelus striatus) spawning aggregations revealed by in situ length-frequency data. ICES Journal of Marine Science, 2021, 78, 277-292.	2.5	6
6	Modeling the past, present, and future distributions of endangered white abalone (Haliotis sorenseni) to inform recovery efforts in California. PLoS ONE, 2021, 16, e0259716.	2.5	1
7	FishSense: Underwater RGBD Imaging for Fish Measurement. , 2021, , .		1
8	Comparing predictions of fisheries bycatch using multiple spatiotemporal species distribution model frameworks. Canadian Journal of Fisheries and Aquatic Sciences, 2020, 77, 146-163.	1.4	36
9	Allele-Specific Expression and Evolution of Gene Regulation Underlying Acute Heat Stress Response and Local Adaptation in the Copepod Tigriopus californicus. Journal of Heredity, 2020, 111, 539-547.	2.4	9
10	A Bayesian nested patch occupancy model to estimate steelhead movement and abundance. Ecological Applications, 2020, 30, e02202.	3.8	7
11	Recovery of critically endangered Nassau grouper (Epinephelus striatus) in the Cayman Islands following targeted conservation actions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1587-1595.	7.1	35
12	Long-term participation in collaborative fisheries research improves angler opinions on marine protected areas. PeerJ, 2020, 8, e10146.	2.0	11
13	Development and evaluation of a passive acoustic localization method to monitor fish spawning aggregations and measure source levels. , 2019, , .		1
14	The utility of spatial model-based estimators of unobserved bycatch. ICES Journal of Marine Science, 2019, 76, 255-267.	2.5	21
15	Quantifying ecosystem service flows at multiple scales across the range of a long-distance migratory species. Ecosystem Services, 2018, 31, 255-264.	5.4	42
16	A deconvolutional Bayesian mixing model approach for river basin sediment source apportionment. Scientific Reports, 2018, 8, 13073.	3.3	57
17	Analyzing mixing systems using a new generation of Bayesian tracer mixing models. PeerJ, 2018, 6, e5096.	2.0	676
18	Methodological perspectives on the application of compound-specific stable isotope fingerprinting for sediment source apportionment. Journal of Soils and Sediments, 2017, 17, 1537-1553.	3.0	46

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19	Monarch butterfly population decline in North America: identifying the threatening processes. Royal Society Open Science, 2017, 4, 170760.	2.4	191
20	Impacts of recently implemented recreational fisheries regulations on the Commercial Passenger Fishing Vessel fishery for Paralabrax sp. in California. Marine Policy, 2017, 86, 134-143.	3.2	12
21	A transâ€national monarch butterfly population model and implications for regional conservation priorities. Ecological Entomology, 2017, 42, 51-60.	2.2	150
22	Density estimates of monarch butterflies overwintering in central Mexico. PeerJ, 2017, 5, e3221.	2.0	40
23	Longâ€Term Dynamics in â€œTrophyâ€•Sizes of Pelagic and Coastal Pelagic Fishes among California Recreational Fisheries (1966â€“2013). Transactions of the American Fisheries Society, 2016, 145, 977-989.	1.4	5
24	Unifying error structures in commonly used biotracer mixing models. Ecology, 2016, 97, 2562-2569.	3.2	228
25	Quasi-extinction risk and population targets for the Eastern, migratory population of monarch butterflies (Danaus plexippus). Scientific Reports, 2016, 6, 23265.	3.3	179
26	Spatial ecology and conservation of Manta birostris in the Indo-Pacific. Biological Conservation, 2016, 200, 178-183.	4.1	63
27	Flexible risk metrics for identifying and monitoring conservation-priority species. Ecological Indicators, 2016, 61, 683-692.	6.3	11
28	Ocean Productivity May Predict Recruitment of the Rainbow Wrasse (Coris julis). PLoS ONE, 2016, 11, e0165648.	2.5	5
29	Analyzing largeâ€scale conservation interventions with <scp>B</scp>ayesian hierarchical models: a case study of supplementing threatened <scp>P</scp>acific salmon. Ecology and Evolution, 2015, 5, 2115-2125.	1.9	14
30	Hot moments in spawning aggregations: implications for ecosystem-scale nutrient cycling. Coral Reefs, 2015, 34, 19-23.	2.2	20
31	Population Structure and Phylogeography in Nassau Grouper (Epinephelus striatus), a Mass-Aggregating Marine Fish. PLoS ONE, 2014, 9, e97508.	2.5	35
32	Demographic modeling of citizen science data informs habitat preferences and population dynamics of recovering fishes. Ecology, 2014, 95, 3251-3258.	3.2	18
33	Conservation and fisheries effects of spawning aggregation marine protected areas: What we know, where we should go, and what we need to get there. ICES Journal of Marine Science, 2014, 71, 1515-1534.	2.5	68
34	Phenotypic variation and selective mortality as major drivers of recruitment variability in fishes. Ecology Letters, 2014, 17, 743-755.	6.4	53
35	National Valuation of Monarch Butterflies Indicates an Untapped Potential for Incentiveâ€Based Conservation. Conservation Letters, 2014, 7, 253-262.	5.7	67
36	Best practices for use of stable isotope mixing models in food-web studies. Canadian Journal of Zoology, 2014, 92, 823-835.	1.0	873

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37	Using areas-as-fleets selectivity to model spatial fishing: Asymptotic curves are unlikely under equilibrium conditions. Fisheries Research, 2014, 158, 15-25.	1.7	38
38	Bayesian stable isotope mixing models. Environmetrics, 2013, 24, 387-399.	1.4	519
39	Using Stable Isotope Analysis to Understand the Migration and Trophic Ecology of Northeastern Pacific White Sharks (Carcharodon carcharias). PLoS ONE, 2012, 7, e30492.	2.5	128
40	Patterns of color phase indicate spawn timing at a Nassau grouper Epinephelus striatus spawning aggregation. Environmental Epigenetics, 2012, 58, 73-83.	1.8	12
41	Documenting recovery of a spawning aggregation through size frequency analysis from underwater laser calipers measurements. Biological Conservation, 2012, 155, 119-127.	4.1	35
42	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 April 2012 â€“ 31 May 2012. Molecular Ecology Resources, 2012, 12, 972-974.	4.8	18
43	Merging Resource Availability with Isotope Mixing Models: The Role of Neutral Interaction Assumptions. PLoS ONE, 2011, 6, e22015.	2.5	26
44	Habitat structure determines resource use by zooplankton in temperate lakes. Ecology Letters, 2011, 14, 364-372.	6.4	101
45	Effects of Multiple Levels of Social Organization on Survival and Abundance. Conservation Biology, 2010, 25, no-no.	4.7	4
46	Including Source Uncertainty and Prior Information in the Analysis of Stable Isotope Mixing Models. Environmental Science & Technology, 2010, 44, 4645-4650.	10.0	103
47	Using Ecological Null Models to Assess the Potential for Marine Protected Area Networks to Protect Biodiversity. PLoS ONE, 2010, 5, e8895.	2.5	10
48	Improving Bayesian isotope mixing models: a response to Jackson etÂal. (2009). Ecology Letters, 2009, 12, E6-8.	6.4	55
49	Quantifying Inter- and Intra-Population Niche Variability Using Hierarchical Bayesian Stable Isotope Mixing Models. PLoS ONE, 2009, 4, e6187.	2.5	185
50	Incorporating uncertainty and prior information into stable isotope mixing models. Ecology Letters, 2008, 11, 470-480.	6.4	997
51	Interpreting Space Use and Behavior of Blue Tang, Acanthurus coeruleus, in the Context of Habitat, Density, and Intra-specific Interactions. Environmental Biology of Fishes, 2005, 74, 99-107.	1.0	12
52	Pattern in the Co-occurrence of Fishes Inhabiting the Coral Reefs of Bonaire, Netherlands Antilles. Environmental Biology of Fishes, 2005, 74, 187-194.	1.0	12
53	Observations of a Nassau grouper, Epinephelus striatus, Spawning Aggregation Site in Little Cayman, Cayman Islands, Including Multi-Species Spawning Information. Environmental Biology of Fishes, 2004, 70, 305-313.	1.0	94
54	Conservation and Management Applications of the Reef Volunteer Fish Monitoring Program. Environmental Monitoring and Assessment, 2003, 81, 43-50.	2.7	97

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55	Incorporating Human and Ecological Communities in Marine Conservation: an Alternative to Zacharias and Roff. Conservation Biology, 2001, 15, 1452-1455.	4.7	4
56	Incorporating Human and Ecological Communities in Marine Conservation: an Alternative to Zacharias and Roff. Conservation Biology, 2001, 15, 1452-1455.	4.7	8
57	The effect of sea surface temperature on the structure and connectivity of species landings interaction networks in a multispecies recreational fishery.. Canadian Journal of Fisheries and Aquatic Sciences, 0, , .	1.4	0