

Brice X Semmens

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

3,635
citations

25
h-index

60
g-index

60
ext. papers

4,558
ext. citations

4.4
avg, IF

5.57
L-index

#	Paper	IF	Citations
54	Incorporating uncertainty and prior information into stable isotope mixing models. <i>Ecology Letters</i> , 2008 , 11, 470-80	10	819
53	Best practices for use of stable isotope mixing models in food-web studies. <i>Canadian Journal of Zoology</i> , 2014 , 92, 823-835	1.5	621
52	Analyzing mixing systems using a new generation of Bayesian tracer mixing models. <i>PeerJ</i> , 2018 , 6, e50961	3.1	308
51	Bayesian stable isotope mixing models. <i>Environmetrics</i> , 2013 , 24, n/a-n/a	1.3	211
50	Quantifying inter- and intra-population niche variability using hierarchical bayesian stable isotope mixing models. <i>PLoS ONE</i> , 2009 , 4, e6187	3.7	155
49	Unifying error structures in commonly used biotracer mixing models. <i>Ecology</i> , 2016 , 97, 2562-2569	4.6	142
48	Using stable isotope analysis to understand the migration and trophic ecology of northeastern Pacific white sharks (<i>Carcharodon carcharias</i>). <i>PLoS ONE</i> , 2012 , 7, e30492	3.7	109
47	Quasi-extinction risk and population targets for the Eastern, migratory population of monarch butterflies (<i>Danaus plexippus</i>). <i>Scientific Reports</i> , 2016 , 6, 23265	4.9	107
46	Monarch butterfly population decline in North America: identifying the threatening processes. <i>Royal Society Open Science</i> , 2017 , 4, 170760	3.3	96
45	A trans-national monarch butterfly population model and implications for regional conservation priorities. <i>Ecological Entomology</i> , 2017 , 42, 51-60	2.1	94
44	Including source uncertainty and prior information in the analysis of stable isotope mixing models. <i>Environmental Science & Technology</i> , 2010 , 44, 4645-50	10.3	90
43	Conservation and Management Applications of the Reef Volunteer Fish Monitoring Program. <i>Environmental Monitoring and Assessment</i> , 2003 , 81, 43-50	3.1	88
42	Observations of a Nassau grouper, <i>Epinephelus striatus</i> , Spawning Aggregation Site in Little Cayman, Cayman Islands, Including Multi-Species Spawning Information. <i>Environmental Biology of Fishes</i> , 2004 , 70, 305-313	1.6	76
41	Habitat structure determines resource use by zooplankton in temperate lakes. <i>Ecology Letters</i> , 2011 , 14, 364-72	10	75
40	Conservation and fisheries effects of spawning aggregation marine protected areas: What we know, where we should go, and what we need to get there. <i>ICES Journal of Marine Science</i> , 2014 , 71, 1515-1534	2.7	54
39	Improving Bayesian isotope mixing models: a response to Jackson et al. (2009). <i>Ecology Letters</i> , 2009 , 12, E6-8	10	48
38	National Valuation of Monarch Butterflies Indicates an Untapped Potential for Incentive-Based Conservation. <i>Conservation Letters</i> , 2014 , 7, 253-262	6.9	47

37	Spatial ecology and conservation of Manta birostris in the Indo-Pacific. <i>Biological Conservation</i> , 2016 , 200, 178-183	6.2	44
36	Phenotypic variation and selective mortality as major drivers of recruitment variability in fishes. <i>Ecology Letters</i> , 2014 , 17, 743-55	10	43
35	A deconvolutional Bayesian mixing model approach for river basin sediment source apportionment. <i>Scientific Reports</i> , 2018 , 8, 13073	4.9	37
34	Using areas-as-fleets selectivity to model spatial fishing: Asymptotic curves are unlikely under equilibrium conditions. <i>Fisheries Research</i> , 2014 , 158, 15-25	2.3	29
33	Population structure and phylogeography in Nassau grouper (<i>Epinephelus striatus</i>), a mass-aggregating marine fish. <i>PLoS ONE</i> , 2014 , 9, e97508	3.7	29
32	Methodological perspectives on the application of compound-specific stable isotope fingerprinting for sediment source apportionment. <i>Journal of Soils and Sediments</i> , 2017 , 17, 1537-1553	3.4	28
31	Documenting recovery of a spawning aggregation through size frequency analysis from underwater laser calipers measurements. <i>Biological Conservation</i> , 2012 , 155, 119-127	6.2	27
30	Merging resource availability with isotope mixing models: the role of neutral interaction assumptions. <i>PLoS ONE</i> , 2011 , 6, e22015	3.7	25
29	Quantifying ecosystem service flows at multiple scales across the range of a long-distance migratory species. <i>Ecosystem Services</i> , 2018 , 31, 255-264	6.1	21
28	Density estimates of monarch butterflies overwintering in central Mexico. <i>PeerJ</i> , 2017 , 5, e3221	3.1	21
27	Hot moments in spawning aggregations: implications for ecosystem-scale nutrient cycling. <i>Coral Reefs</i> , 2015 , 34, 19-23	4.2	18
26	Permanent genetic resources added to molecular ecology resources database 1 April 2012 - 31 May 2012. <i>Molecular Ecology Resources</i> , 2012 , 12, 972-4	8.4	17
25	Recovery of critically endangered Nassau grouper () in the Cayman Islands following targeted conservation actions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 1587-1595	11.5	16
24	Comparing predictions of fisheries bycatch using multiple spatiotemporal species distribution model frameworks. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020 , 77, 146-163	2.4	14
23	The utility of spatial model-based estimators of unobserved bycatch. <i>ICES Journal of Marine Science</i> , 2019 , 76, 255-267	2.7	13
22	Demographic modeling of citizen science data informs habitat preferences and population dynamics of recovering fishes. <i>Ecology</i> , 2014 , 95, 3251-3258	4.6	12
21	Interpreting Space Use and Behavior of Blue Tang, <i>Acanthurus coeruleus</i> , in the Context of Habitat, Density, and Intra-specific Interactions. <i>Environmental Biology of Fishes</i> , 2005 , 74, 99-107	1.6	11
20	Flexible risk metrics for identifying and monitoring conservation-priority species. <i>Ecological Indicators</i> , 2016 , 61, 683-692	5.8	10

19	Patterns of color phase indicate spawn timing at a Nassau grouper <i>Epinephelus striatus</i> spawning aggregation. <i>Environmental Epigenetics</i> , 2012 , 58, 73-83	2.4	10
18	Using ecological null models to assess the potential for marine protected area networks to protect biodiversity. <i>PLoS ONE</i> , 2010 , 5, e8895	3.7	10
17	Analyzing large-scale conservation interventions with Bayesian hierarchical models: a case study of supplementing threatened Pacific salmon. <i>Ecology and Evolution</i> , 2015 , 5, 2115-25	2.8	9
16	Pattern in the Co-occurrence of Fishes Inhabiting the Coral Reefs of Bonaire, Netherlands Antilles. <i>Environmental Biology of Fishes</i> , 2005 , 74, 187-194	1.6	9
15	Incorporating Human and Ecological Communities in Marine Conservation: an Alternative to Zacharias and Roff. <i>Conservation Biology</i> , 2001 , 15, 1452-1455	6	8
14	Impacts of recently implemented recreational fisheries regulations on the Commercial Passenger Fishing Vessel fishery for <i>Paralabrax</i> sp. in California. <i>Marine Policy</i> , 2017 , 86, 134-143	3.5	7
13	Effects of multiple levels of social organization on survival and abundance. <i>Conservation Biology</i> , 2011 , 25, 350-5	6	4
12	Ocean Productivity May Predict Recruitment of the Rainbow Wrasse (<i>Coris julis</i>). <i>PLoS ONE</i> , 2016 , 11, e0165648	3.7	4
11	A Bayesian nested patch occupancy model to estimate steelhead movement and abundance. <i>Ecological Applications</i> , 2020 , 30, e02202	4.9	3
10	Analyzing mixing systems using a new generation of Bayesian tracer mixing models		3
9	The rise in climate change-induced federal fishery disasters in the United States. <i>PeerJ</i> , 2021 , 9, e11186	3.1	3
8	Allele-Specific Expression and Evolution of Gene Regulation Underlying Acute Heat Stress Response and Local Adaptation in the Copepod <i>Tigriopus californicus</i> . <i>Journal of Heredity</i> , 2020 , 111, 539-547	2.4	2
7	Long-term participation in collaborative fisheries research improves angler opinions on marine protected areas. <i>PeerJ</i> , 2020 , 8, e10146	3.1	2
6	Triennial migration and philopatry in the critically endangered soupfin shark <i>Galeorhinus galeus</i> . <i>Journal of Applied Ecology</i> , 2021 , 58, 1570	5.8	2
5	Long-Term Dynamics in Trophic Sizes of Pelagic and Coastal Pelagic Fishes among California Recreational Fisheries (1966-2013). <i>Transactions of the American Fisheries Society</i> , 2016 , 145, 977-989	1.7	2
4	Pulse recruitment and recovery of Cayman Islands Nassau Grouper (<i>Epinephelus striatus</i>) spawning aggregations revealed by in situ length-frequency data. <i>ICES Journal of Marine Science</i> , 2021 , 78, 277-292	2.7	1
3	Modeling the past, present, and future distributions of endangered white abalone (<i>Haliotis sorenseni</i>) to inform recovery efforts in California. <i>PLoS ONE</i> , 2021 , 16, e0259716	3.7	0
2	Incorporating Human and Ecological Communities in Marine Conservation: an Alternative to Zacharias and Roff. <i>Conservation Biology</i> , 2008 , 15, 1452-1455	6	

- 1 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 2.2