

Brice X Semmens

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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 | Grouper source levels and aggregation dynamics inferred from passive acoustic localization at a multispecies spawning site. <i>Journal of the Acoustical Society of America</i> , 2022 , 151, 3052-3065 | 2.2 | |
| 53 | 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 |
| 52 | 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 |
| 51 | The rise in climate change-induced federal fishery disasters in the United States. <i>PeerJ</i> , 2021 , 9, e11186 | 3.1 | 3 |
| 50 | 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 |
| 49 | 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 |
| 48 | A Bayesian nested patch occupancy model to estimate steelhead movement and abundance. <i>Ecological Applications</i> , 2020 , 30, e02202 | 4.9 | 3 |
| 47 | Recovery of critically endangered Nassau grouper (<i>Epinephelus striatus</i>) 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 |
| 46 | Long-term participation in collaborative fisheries research improves angler opinions on marine protected areas. <i>PeerJ</i> , 2020 , 8, e10146 | 3.1 | 2 |
| 45 | 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 |
| 44 | The utility of spatial model-based estimators of unobserved bycatch. <i>ICES Journal of Marine Science</i> , 2019 , 76, 255-267 | 2.7 | 13 |
| 43 | 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 |
| 42 | Analyzing mixing systems using a new generation of Bayesian tracer mixing models. <i>PeerJ</i> , 2018 , 6, e50951 | 3.1 | 308 |
| 41 | A deconvolutional Bayesian mixing model approach for river basin sediment source apportionment. <i>Scientific Reports</i> , 2018 , 8, 13073 | 4.9 | 37 |
| 40 | 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 |
| 39 | Monarch butterfly population decline in North America: identifying the threatening processes. <i>Royal Society Open Science</i> , 2017 , 4, 170760 | 3.3 | 96 |
| 38 | 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 |

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| 37 | A trans-national monarch butterfly population model and implications for regional conservation priorities. <i>Ecological Entomology</i> , 2017 , 42, 51-60 | 2.1 | 94 |
| 36 | Density estimates of monarch butterflies overwintering in central Mexico. <i>PeerJ</i> , 2017 , 5, e3221 | 3.1 | 21 |
| 35 | Unifying error structures in commonly used biotracer mixing models. <i>Ecology</i> , 2016 , 97, 2562-2569 | 4.6 | 142 |
| 34 | 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 |
| 33 | Spatial ecology and conservation of Manta birostris in the Indo-Pacific. <i>Biological Conservation</i> , 2016 , 200, 178-183 | 6.2 | 44 |
| 32 | Flexible risk metrics for identifying and monitoring conservation-priority species. <i>Ecological Indicators</i> , 2016 , 61, 683-692 | 5.8 | 10 |
| 31 | Ocean Productivity May Predict Recruitment of the Rainbow Wrasse (<i>Coris julis</i>). <i>PLoS ONE</i> , 2016 , 11, e0165648 | 3.7 | 4 |
| 30 | 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 |
| 29 | Hot moments in spawning aggregations: implications for ecosystem-scale nutrient cycling. <i>Coral Reefs</i> , 2015 , 34, 19-23 | 4.2 | 18 |
| 28 | 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 |
| 27 | Phenotypic variation and selective mortality as major drivers of recruitment variability in fishes. <i>Ecology Letters</i> , 2014 , 17, 743-55 | 10 | 43 |
| 26 | National Valuation of Monarch Butterflies Indicates an Untapped Potential for Incentive-Based Conservation. <i>Conservation Letters</i> , 2014 , 7, 253-262 | 6.9 | 47 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 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 | 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 |
| 20 | Bayesian stable isotope mixing models. <i>Environmetrics</i> , 2013 , 24, n/a-n/a | 1.3 | 211 |

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| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | Merging resource availability with isotope mixing models: the role of neutral interaction assumptions. <i>PLoS ONE</i> , 2011 , 6, e22015 | 3.7 | 25 |
| 14 | Habitat structure determines resource use by zooplankton in temperate lakes. <i>Ecology Letters</i> , 2011 , 14, 364-72 | 10 | 75 |
| 13 | Effects of multiple levels of social organization on survival and abundance. <i>Conservation Biology</i> , 2011 , 25, 350-5 | 6 | 4 |
| 12 | 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 |
| 11 | 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 |
| 10 | Improving Bayesian isotope mixing models: a response to Jackson et al. (2009). <i>Ecology Letters</i> , 2009 , 12, E6-8 | 10 | 48 |
| 9 | Quantifying inter- and intra-population niche variability using hierarchical bayesian stable isotope mixing models. <i>PLoS ONE</i> , 2009 , 4, e6187 | 3.7 | 155 |
| 8 | Incorporating Human and Ecological Communities in Marine Conservation: an Alternative to Zacharias and Roff. <i>Conservation Biology</i> , 2008 , 15, 1452-1455 | 6 | |
| 7 | Incorporating uncertainty and prior information into stable isotope mixing models. <i>Ecology Letters</i> , 2008 , 11, 470-80 | 10 | 819 |
| 6 | 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 |
| 5 | 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 |
| 4 | 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 |
| 3 | Conservation and Management Applications of the Reef Volunteer Fish Monitoring Program. <i>Environmental Monitoring and Assessment</i> , 2003 , 81, 43-50 | 3.1 | 88 |
| 2 | Incorporating Human and Ecological Communities in Marine Conservation: an Alternative to Zacharias and Roff. <i>Conservation Biology</i> , 2001 , 15, 1452-1455 | 6 | 8 |

1 Analyzing mixing systems using a new generation of Bayesian tracer mixing models

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