

Tessa B Francis

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,785
citations

331259

21
h-index

288905

40
g-index

44
all docs

44
docs citations

44
times ranked

2274
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient phenomena in ecology. <i>Science</i> , 2018, 361, .	6.0	359
2	Pacific salmon and the ecology of coastal ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2003, 1, 31-37.	1.9	274
3	Long transients in ecology: Theory and applications. <i>Physics of Life Reviews</i> , 2020, 32, 1-40.	1.5	126
4	Habitat structure determines resource use by zooplankton in temperate lakes. <i>Ecology Letters</i> , 2011, 14, 364-372.	3.0	101
5	Exploring the implications of the harvest control rule for Pacific sardine, accounting for predator dynamics: A MICE model. <i>Ecological Modelling</i> , 2016, 337, 79-95.	1.2	66
6	Shoreline urbanization reduces terrestrial insect subsidies to fishes in North American lakes. <i>Oikos</i> , 2009, 118, 1872-1882.	1.2	58
7	Degradation of Littoral Habitats by Residential Development: Woody Debris in Lakes of the Pacific Northwest and Midwest, United States. <i>Ambio</i> , 2006, 35, 274-280.	2.8	53
8	Estimating the Abundance of Marine Mammal Populations. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	51
9	Climate shifts the interaction web of a marine plankton community. <i>Global Change Biology</i> , 2012, 18, 2498-2508.	4.2	45
10	Management implications of long transients in ecological systems. <i>Nature Ecology and Evolution</i> , 2021, 5, 285-294.	3.4	44
11	Forty years of seagrass population stability and resilience in an urbanizing estuary. <i>Journal of Ecology</i> , 2017, 105, 458-470.	1.9	40
12	Effects of Urbanization on the Dynamics of Organic Sediments in Temperate Lakes. <i>Ecosystems</i> , 2007, 10, 1057-1068.	1.6	36
13	Population diversity in Pacific herring of the Puget Sound, USA. <i>Oecologia</i> , 2016, 180, 111-125.	0.9	31
14	Attending to spatial socialâ€œecological sensitivities to improve tradeâ€œoff analysis in natural resource management. <i>Fish and Fisheries</i> , 2020, 21, 1-12.	2.7	29
15	Aquatic insects play a minor role in dispersing salmon-derived nutrients into riparian forests in southwestern Alaska. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 2543-2552.	0.7	28
16	Thirty-two essential questions for understanding the socialâ€œecological system of forage fish: the case of pacific herring. <i>Ecosystem Health and Sustainability</i> , 2016, 2, .	1.5	28
17	Incorporating Science into the Environmental Policy Process: a Case Study from Washington State. <i>Ecology and Society</i> , 2005, 10, .	1.0	27
18	A heuristic model of socially learned migration behaviour exhibits distinctive spatial and reproductive dynamics. <i>ICES Journal of Marine Science</i> , 2019, 76, 598-608.	1.2	27

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19	Shifting Regimes and Changing Interactions in the Lake Washington, U.S.A., Plankton Community from 1962–1994. PLoS ONE, 2014, 9, e110363.	1.1	26
20	Effects of climate change on zooplankton community interactions in an Alaskan lake. Climate Change Responses, 2017, 4, .	2.6	25
21	Effects of stochasticity on the length and behaviour of ecological transients. Journal of the Royal Society Interface, 2021, 18, 20210257.	1.5	25
22	Characterizing coastal foodwebs with qualitative links to bridge the gap between the theory and the practice of ecosystem-based management. ICES Journal of Marine Science, 2014, 71, 713-724.	1.2	24
23	The importance of long-term ecological time series for integrated ecosystem assessment and ecosystem-based management. Progress in Oceanography, 2020, 188, 102418.	1.5	24
24	When are estimates of spawning stock biomass for small pelagic fishes improved by taking spatial structure into account?. Fisheries Research, 2018, 206, 65-78.	0.9	22
25	The perils and promise of futures analysis in marine ecosystem-based management. Marine Policy, 2011, 35, 675-681.	1.5	21
26	Integrating Governance and Quantitative Evaluation of Resource Management Strategies to Improve Social and Ecological Outcomes. BioScience, 2019, 69, 523-532.	2.2	20
27	Lessons from bright-spots for advancing knowledge exchange at the interface of marine science and policy. Journal of Environmental Management, 2022, 314, 114994.	3.8	20
28	Habitat limitation and spatial variation in Pacific herring egg survival. Marine Ecology - Progress Series, 2014, 514, 231-245.	0.9	19
29	Estimating Bycatch Mortality for Marine Mammals: Concepts and Best Practices. Frontiers in Marine Science, 2021, 8, .	1.2	19
30	Robustness of potential biological removal to monitoring, environmental, and management uncertainties. ICES Journal of Marine Science, 2020, 77, 2491-2507.	1.2	15
31	Can we manage marine mammal bycatch effectively in low-data environments?. Journal of Applied Ecology, 2021, 58, 596-607.	1.9	14
32	Best Practices for Assessing and Managing Bycatch of Marine Mammals. Frontiers in Marine Science, 2021, 8, .	1.2	13
33	Parent-offspring conflict over reproductive timing: ecological dynamics far away and at other times may explain spawning variability in Pacific herring. ICES Journal of Marine Science, 2019, 76, 559-572.	1.2	11
34	Mysis in the Okanagan Lake food web: a time-series analysis of interaction strengths in an invaded plankton community. Aquatic Ecology, 2012, 46, 215-227.	0.7	10
35	Evaluating management strategies for marine mammal populations: an example for multiple species and multiple fishing sectors in Iceland. Canadian Journal of Fisheries and Aquatic Sciences, 2020, 77, 1316-1331.	0.7	10
36	Using best available science to protect critical areas in Washington state: challenges and barriers to planners. Urban Ecosystems, 2009, 12, 157-175.	1.1	9

#	ARTICLE	IF	CITATIONS
37	Contributions of adult mortality to declines of Puget Sound Pacific herring. ICES Journal of Marine Science, 2018, 75, 319-329.	1.2	8
38	Assessing pinniped bycatch mortality with uncertainty in abundance and post-release mortality: A case study from Chile. Fisheries Research, 2021, 235, 105816.	0.9	7
39	Linking knowledge to action in ocean ecosystem management: The Ocean Modeling Forum. Elementa, 2018, 6, .	1.1	6
40	Quantifying the benefits of spatial fisheries management – An ecological-economic optimization approach. Ecological Modelling, 2018, 385, 165-172.	1.2	5
41	Long living transients: Enfant terrible of ecological theory?. Physics of Life Reviews, 2020, 32, 55-58.	1.5	2
42	Equivocal associations between small-scale shoreline restoration and subtidal fishes in an urban estuary. Restoration Ecology, 0, , .	1.4	1
43	mmrefpoints: Projecting long-term marine mammal abundance with bycatch. Journal of Open Source Software, 2022, 7, 3888.	2.0	0