Joanna Mills Flemming

List of Publications by Year
in descending order

48 papers	3,923 citations	257450 24 h-index	223800 46 g-index
50 all docs	50 docs citations	50 times ranked	5018 citing authors

#	Article	IF	Citations
1	Spatiotemporal modeling of bycatch data: methods and a practical guide through a case study in a Canadian Arctic fishery. Canadian Journal of Fisheries and Aquatic Sciences, 2022, 79, 148-158.	1.4	5
2	Incorporating intra-annual variability in fisheries abundance data to better capture population dynamics. Fisheries Research, 2022, 246, 106152.	1.7	3
3	Predicting aquatic animal movements and behavioural states from acoustic telemetry arrays. Methods in Ecology and Evolution, 2022, 13, 987-1000.	5.2	1
4	The associations of implant and patient factors with migration of the tibial component differ by sex. Bone and Joint Journal, 2022, 104-B, 444-451.	4.4	3
5	Improving estimation of length–weight relationships using spatiotemporal models. Canadian Journal of Fisheries and Aquatic Sciences, 2022, 79, 1896-1910.	1.4	1
6	A guide to state–space modeling of ecological time series. Ecological Monographs, 2021, 91, e01470.	5.4	97
7	A gaussian field approach to generating spatial age length keys. Fisheries Research, 2021, 240, 105956.	1.7	4
8	Estimating minke whale relative abundance in the North Atlantic using passive acoustic sensors. Journal of the Acoustical Society of America, 2021, 150, 3569-3580.	1.1	3
9	Robust estimation for discrete–time state space models. Scandinavian Journal of Statistics, 2020, , .	1.4	1
10	Equivalent 2-year stabilization of uncemented tibial component migration despite higher early migration compared with cemented fixation: an RSA study on 360 total knee arthroplasties. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 90, 172-178.	3.3	26
11	The Ocean Tracking Network: Advancing frontiers in aquatic science and management. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 1041-1051.	1.4	28
12	Validation of close–kin mark–recapture (CKMR) methods for estimating population abundance. Methods in Ecology and Evolution, 2019, 10, 1445-1453.	5.2	42
13	The Conditionally Autoregressive Hidden Markov Model (CarHMM): Inferring Behavioural States from Animal Tracking Data Exhibiting Conditional Autocorrelation. Journal of Agricultural, Biological, and Environmental Statistics, 2019, 24, 651-668.	1.4	5
14	Conducting and interpreting fish telemetry studies: considerations for researchers and resource managers. Reviews in Fish Biology and Fisheries, 2019, 29, 369-400.	4.9	92
15	Current and emerging statistical techniques for aquatic telemetry data: A guide to analysing spatially discrete animal detections. Methods in Ecology and Evolution, 2019, 10, 935-948.	5.2	37
16	Identifiable state–space models: A case study of the Bay of Fundy sea scallop fishery. Canadian Journal of Statistics, 2019, 47, 27-45.	0.9	8
17	Review of State-Space Models for Fisheries Science. Annual Review of Statistics and Its Application, 2018, 5, 215-235.	7.0	55
18	Breeding phenology and performance for four swallows over 57 years: relationships with temperature and precipitation. Ecosphere, 2018, 9, e02166.	2.2	34

#	ARTICLE	IF	CITATIONS
19	A hidden Markov movement model for rapidly identifying behavioral states from animal tracks. Ecology and Evolution, 2017, 7, 2112-2121.	1.9	47
20	Critical factors for the recovery of marine mammals. Conservation Biology, 2017, 31, 1301-1311.	4.7	14
21	Envisioning the Future of Aquatic Animal Tracking: Technology, Science, and Application. BioScience, 2017, 67, 884-896.	4.9	108
22	Local overfishing may be avoided by examining parameters of a spatio-temporal model. PLoS ONE, 2017, 12, e0184427.	2.5	17
23	Trends in the exploitation of South Atlantic shark populations. Conservation Biology, 2016, 30, 792-804.	4.7	54
24	State-space models' dirty little secrets: even simple linear Gaussian models can have estimation problems. Scientific Reports, 2016, 6, 26677.	3.3	108
25	Fast fitting of non-Gaussian state-space models to animal movement data via Template Model Builder. Ecology, 2015, 96, 2598-2604.	3.2	55
26	Aquatic animal telemetry: A panoramic window into the underwater world. Science, 2015, 348, 1255642.	12.6	1,038
27	Shifting elasmobranch community assemblage at Cocos Island—an isolated marine protected area. Conservation Biology, 2015, 29, 1186-1197.	4.7	87
28	Robust state space models for estimating fish stock maturities. Canadian Journal of Statistics, 2015, 43, 133-150.	0.9	7
29	Applying Bayesian spatiotemporal models to fisheries bycatch in the Canadian Arctic. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 186-197.	1.4	101
30	Productivity dynamics of Atlantic cod. Canadian Journal of Fisheries and Aquatic Sciences, 2014, 71, 203-216.	1.4	43
31	Seal encounters at sea: A contemporary spatial approach using R-INLA. Ecological Modelling, 2014, 291, 175-181.	2.5	13
32	Recovery Trends in Marine Mammal Populations. PLoS ONE, 2013, 8, e77908.	2.5	145
33	Variation in songbird migratory behavior offers clues about adaptability to environmental change. Oecologia, 2012, 168, 849-861.	2.0	14
34	Mapping species richness and human impact drivers to inform global pelagic conservation prioritisation. Biological Conservation, 2011, 144, 1758-1766.	4.1	48
35	Rapid Global Expansion of Invertebrate Fisheries: Trends, Drivers, and Ecosystem Effects. PLoS ONE, 2011, 6, e14735.	2.5	176
36	Serial exploitation of global sea cucumber fisheries. Fish and Fisheries, 2011, 12, 317-339.	5.3	244

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37	Variable selection in additive models by non-negative garrote. Statistical Modelling, 2011, 11, 237-252.	1.1	19
38	Extracting long‐term patterns of population changes from sporadic counts of migrant birds. Environmetrics, 2010, 21, 482-492.	1.4	2
39	Overestimating Fish Counts by Non-Instantaneous Visual Censuses: Consequences for Population and Community Descriptions. PLoS ONE, 2010, 5, e11722.	2.5	119
40	Hierarchical State-Space Estimation of Leatherback Turtle Navigation Ability. PLoS ONE, 2010, 5, e14245.	2.5	20
41	Comparison of the partitioning of pesticides relative to the survival and behaviour of exposed amphipods. Ecotoxicology, 2009, 18, 27-33.	2.4	13
42	A hierarchical Bayesian approach to multi‐state mark–recapture: simulations and applications. Journal of Applied Ecology, 2009, 46, 610-620.	4.0	34
43	Extraction of interannual trends in seasonal events for ecological time series. Limnology and Oceanography: Methods, 2009, 7, 833-847.	2.0	0
44	The Effectiveness of Transtelephonic Monitoring of Pacemaker Function in Pediatric Patients. PACE - Pacing and Clinical Electrophysiology, 2007, 30, 725-729.	1.2	6
45	Modelling peak accelerations from earthquakes. Earthquake Engineering and Structural Dynamics, 2006, 35, 969-987.	4.4	6
46	Variable Selection for Marginal Longitudinal Generalized Linear Models. Biometrics, 2005, 61, 507-514.	1.4	59
47	ROBUST STATE–SPACE MODELING OF ANIMAL MOVEMENT DATA. Ecology, 2005, 86, 2874-2880.	3.2	656
48	META-ANALYSIS OF ANIMAL MOVEMENT USING STATE-SPACE MODELS. Ecology, 2003, 84, 3055-3063.	3.2	223