Joanna Mills Flemming

List of Publications by Year
in descending order

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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	Aquatic animal telemetry: A panoramic window into the underwater world. Science, 2015, 348, 1255642.	12.6	1,038
2	ROBUST STATEâ€“SPACE MODELING OF ANIMAL MOVEMENT DATA. Ecology, 2005, 86, 2874-2880.	3.2	656
3	Serial exploitation of global sea cucumber fisheries. Fish and Fisheries, 2011, 12, 317-339.	5.3	244
4	META-ANALYSIS OF ANIMAL MOVEMENT USING STATE-SPACE MODELS. Ecology, 2003, 84, 3055-3063.	3.2	223
5	Rapid Global Expansion of Invertebrate Fisheries: Trends, Drivers, and Ecosystem Effects. PLoS ONE, 2011, 6, e14735.	2.5	176
6	Recovery Trends in Marine Mammal Populations. PLoS ONE, 2013, 8, e77908.	2.5	145
7	Overestimating Fish Counts by Non-Instantaneous Visual Censuses: Consequences for Population and Community Descriptions. PLoS ONE, 2010, 5, e11722.	2.5	119
8	State-space modelsâ€™ dirty little secrets: even simple linear Gaussian models can have estimation problems. Scientific Reports, 2016, 6, 26677.	3.3	108
9	Envisioning the Future of Aquatic Animal Tracking: Technology, Science, and Application. BioScience, 2017, 67, 884-896.	4.9	108
10	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
11	A guide to stateâ€“space modeling of ecological time series. Ecological Monographs, 2021, 91, e01470.	5.4	97
12	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
13	Shifting elasmobranch community assemblage at Cocos Islandâ€”an isolated marine protected area. Conservation Biology, 2015, 29, 1186-1197.	4.7	87
14	Variable Selection for Marginal Longitudinal Generalized Linear Models. Biometrics, 2005, 61, 507-514.	1.4	59
15	Fast fitting of nonâ€Gaussian stateâ€space models to animal movement data via Template Model Builder. Ecology, 2015, 96, 2598-2604.	3.2	55
16	Review of State-Space Models for Fisheries Science. Annual Review of Statistics and Its Application, 2018, 5, 215-235.	7.0	55
17	Trends in the exploitation of South Atlantic shark populations. Conservation Biology, 2016, 30, 792-804.	4.7	54
18	Mapping species richness and human impact drivers to inform global pelagic conservation prioritisation. Biological Conservation, 2011, 144, 1758-1766.	4.1	48

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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	Productivity dynamics of Atlantic cod. Canadian Journal of Fisheries and Aquatic Sciences, 2014, 71, 203-216.	1.4	43
21	Validation of closeâ€kin markâ€“recapture (CKMR) methods for estimating population abundance. Methods in Ecology and Evolution, 2019, 10, 1445-1453.	5.2	42
22	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
23	A hierarchical Bayesian approach to multiâ€state markâ€“recapture: simulations and applications. Journal of Applied Ecology, 2009, 46, 610-620.	4.0	34
24	Breeding phenology and performance for four swallows over 57Âyears: relationships with temperature and precipitation. Ecosphere, 2018, 9, e02166.	2.2	34
25	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
26	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
27	Hierarchical State-Space Estimation of Leatherback Turtle Navigation Ability. PLoS ONE, 2010, 5, e14245.	2.5	20
28	Variable selection in additive models by non-negative garrote. Statistical Modelling, 2011, 11, 237-252.	1.1	19
29	Local overfishing may be avoided by examining parameters of a spatio-temporal model. PLoS ONE, 2017, 12, e0184427.	2.5	17
30	Variation in songbird migratory behavior offers clues about adaptability to environmental change. Oecologia, 2012, 168, 849-861.	2.0	14
31	Critical factors for the recovery of marine mammals. Conservation Biology, 2017, 31, 1301-1311.	4.7	14
32	Comparison of the partitioning of pesticides relative to the survival and behaviour of exposed amphipods. Ecotoxicology, 2009, 18, 27-33.	2.4	13
33	Seal encounters at sea: A contemporary spatial approach using R-INLA. Ecological Modelling, 2014, 291, 175-181.	2.5	13
34	Identifiable stateâ€space models: A case study of the Bay of Fundy sea scallop fishery. Canadian Journal of Statistics, 2019, 47, 27-45.	0.9	8
35	Robust state space models for estimating fish stock maturities. Canadian Journal of Statistics, 2015, 43, 133-150.	0.9	7
36	Modelling peak accelerations from earthquakes. Earthquake Engineering and Structural Dynamics, 2006, 35, 969-987.	4.4	6

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37	The Effectiveness of Transtelephonic Monitoring of Pacemaker Function in Pediatric Patients. PACE - Pacing and Clinical Electrophysiology, 2007, 30, 725-729.	1.2	6
38	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
39	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
40	A gaussian field approach to generating spatial age length keys. Fisheries Research, 2021, 240, 105956.	1.7	4
41	Incorporating intra-annual variability in fisheries abundance data to better capture population dynamics. Fisheries Research, 2022, 246, 106152.	1.7	3
42	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
43	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
44	Extracting longâ€term patterns of population changes from sporadic counts of migrant birds. Environmetrics, 2010, 21, 482-492.	1.4	2
45	Robust estimation for discreteâ€time state space models. Scandinavian Journal of Statistics, 2020, , .	1.4	1
46	Predicting aquatic animal movements and behavioural states from acoustic telemetry arrays. Methods in Ecology and Evolution, 2022, 13, 987-1000.	5.2	1
47	Improving estimation of lengthâ€“weight relationships using spatiotemporal models. Canadian Journal of Fisheries and Aquatic Sciences, 2022, 79, 1896-1910.	1.4	1
48	Extraction of interannual trends in seasonal events for ecological time series. Limnology and Oceanography: Methods, 2009, 7, 833-847.	2.0	0