

Beth E Scott

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,559
citations

147801

31
h-index

223800

46
g-index

80
all docs

80
docs citations

80
times ranked

2485
citing authors

#	ARTICLE	IF	CITATIONS
1	Inter-annual variability in the timing of stratification and the spring bloom in the North-western North Sea. <i>Continental Shelf Research</i> , 2006, 26, 733-751.	1.8	122
2	Effects of population size/age structure, condition and temporal dynamics of spawning on reproductive output in Atlantic cod (<i>Gadus morhua</i>). <i>Ecological Modelling</i> , 2006, 191, 383-415.	2.5	100
3	Sub-surface hotspots in shallow seas: fine-scale limited locations of top predator foraging habitat indicated by tidal mixing and sub-surface chlorophyll. <i>Marine Ecology - Progress Series</i> , 2010, 408, 207-226.	1.9	100
4	The use of an unsupervised learning approach for characterizing latent behaviors in accelerometer data. <i>Ecology and Evolution</i> , 2016, 6, 727-741.	1.9	90
5	Investigating fine-scale spatio-temporal predator-prey patterns in dynamic marine ecosystems: a functional data analysis approach. <i>Journal of Applied Ecology</i> , 2012, 49, 481-492.	4.0	87
6	Black-legged kittiwakes as indicators of environmental change in the North Sea: Evidence from long-term studies. <i>Progress in Oceanography</i> , 2007, 72, 30-38.	3.2	84
7	Semiochemicals for the mountain pine beetle, <i>Dendroctonus ponderosae</i> (Coleoptera: Scolytidae) in British Columbia: field trapping studies. <i>Canadian Journal of Forest Research</i> , 1983, 13, 320-324.	1.7	83
8	Potential effects of maternal factors on spawning stock-recruitment relationships under varying fishing pressure. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999, 56, 1882-1890.	1.4	82
9	Analysis of the spatial distributions of mature cod (<i>Gadus morhua</i>) and haddock (<i>Melanogrammus aeglefinus</i>) in the North Sea. <i>ICES Journal of Marine Science</i> , 2004, 70, 17-25.	1.7	81
10	Potential effects of maternal factors on spawning stock-recruitment relationships under varying fishing pressure. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999, 56, 1882-1890.	1.4	70
11	The effects of environmental factors on daytime sandeel distribution and abundance on the Dogger Bank. <i>Journal of Sea Research</i> , 2008, 60, 201-209.	1.6	61
12	Modelling the growth of herring from four different stocks in the North Sea. <i>Journal of Sea Research</i> , 1997, 38, 413-436.	1.6	57
13	Linking sandeel consumption and the likelihood of starvation in harbour porpoises in the Scottish North Sea: could climate change mean more starving porpoises?. <i>Biology Letters</i> , 2007, 3, 185-188.	2.3	57
14	Variation in the abundance of sandeels <i>Ammodytes marinus</i> off southeast Scotland: an evaluation of area-closure fisheries management and stock abundance assessment methods. <i>ICES Journal of Marine Science</i> , 2006, 63, 1530-1550.	2.5	53
15	Spacing system of the tundra vole (<i>Microtus oeconomus</i>) during the breeding season in Canada's western Arctic. <i>Canadian Journal of Zoology</i> , 1992, 70, 2068-2072.	1.0	50
16	Seabird conservation and tidal stream and wave power generation: Information needs for predicting and managing potential impacts. <i>Marine Policy</i> , 2011, 35, 623-630.	3.2	49
17	Using verified species distribution models to inform the conservation of a rare marine species. <i>Diversity and Distributions</i> , 2016, 22, 808-822.	4.1	43
18	A Self-Contained Subsea Platform for Acoustic Monitoring of the Environment Around Marine Renewable Energy Devices-Field Deployments at Wave and Tidal Energy Sites in Orkney, Scotland. <i>IEEE Journal of Oceanic Engineering</i> , 2016, 41, 67-81.	3.8	43

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19	Rapid-response recorders reveal interplay between marine physics and seabird behaviour. <i>Marine Ecology - Progress Series</i> , 2003, 255, 283-288.	1.9	42
20	Confusion Reigns? A Review of Marine Megafauna Interactions with Tidal-Stream Environments. <i>Oceanography and Marine Biology</i> , 2015, , 1-54.	1.0	41
21	Quantifying pursuit-diving seabirds' associations with fine-scale physical features in tidal stream environments. <i>Journal of Applied Ecology</i> , 2016, 53, 1653-1666.	4.0	40
22	Multisensor Acoustic Tracking of Fish and Seabird Behavior Around Tidal Turbine Structures in Scotland. <i>IEEE Journal of Oceanic Engineering</i> , 2017, 42, 948-965.	3.8	40
23	Fishing and the oceanography of a stratified shelf sea. <i>Progress in Oceanography</i> , 2013, 117, 130-139.	3.2	39
24	Should phytoplankton be a key consideration for marine management?. <i>Marine Policy</i> , 2018, 97, 1-9.	3.2	39
25	Automated Image Analysis of Offshore Infrastructure Marine Biofouling. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 2.	2.6	39
26	Fish behaviour in response to tidal variability and internal waves over a shelf sea bank. <i>Progress in Oceanography</i> , 2013, 117, 106-117.	3.2	38
27	Using a spatial overlap approach to estimate the risk of collisions between deep diving seabirds and tidal stream turbines: A review of potential methods and approaches. <i>Marine Policy</i> , 2014, 44, 90-97.	3.2	37
28	Semiochemicals for the mountain pine beetle, <i>Dendroctonus ponderosae</i> (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 325-333.	1.7	36
29	Bayesian joint models with INLA exploring marine mobile predator-prey and competitor species habitat overlap. <i>Ecology and Evolution</i> , 2017, 7, 5212-5226.	1.9	36
30	Taking movement data to new depths: Inferring prey availability and patch profitability from seabird foraging behavior. <i>Ecology and Evolution</i> , 2017, 7, 10252-10265.	1.9	36
31	Fishing within offshore wind farms in the North Sea: Stakeholder perspectives for multi-use from Scotland and Germany. <i>Journal of Environmental Management</i> , 2021, 279, 111762.	7.8	36
32	Impact of rising temperature on reproductive investment in a capital breeder: The lesser sandeel. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 486, 52-58.	1.5	35
33	Atmospheric forcing on chlorophyll concentration in the Mediterranean. <i>Hydrobiologia</i> , 2008, 612, 33-48.	2.0	34
34	Combined spatial and tidal processes identify links between pelagic prey species and seabirds. <i>Marine Ecology - Progress Series</i> , 2013, 479, 203-221.	1.9	33
35	Echolocation detections and digital video surveys provide reliable estimates of the relative density of harbour porpoises. <i>Methods in Ecology and Evolution</i> , 2016, 7, 762-769.	5.2	33
36	Comparison of marine and terrestrial ecosystems: suggestions of an evolutionary perspective influenced by environmental variation. <i>ICES Journal of Marine Science</i> , 2019, 76, 50-59.	2.5	30

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37	Predictable changes in fish school characteristics due to a tidal turbine support structure. <i>Renewable Energy</i> , 2019, 141, 1092-1102.	8.9	30
38	Environmental drivers of the anchovy/sardine complex in the Eastern Mediterranean. <i>Hydrobiologia</i> , 2011, 670, 49-65.	2.0	29
39	ScotMap: Participatory mapping of inshore fishing activity to inform marine spatial planning in Scotland. <i>Marine Policy</i> , 2017, 79, 8-18.	3.2	29
40	Fine scale bio-physical oceanographic characteristics predict the foraging occurrence of contrasting seabird species; Gannet (<i>Morus bassanus</i>) and storm petrel (<i>Hydrobates pelagicus</i>). <i>Progress in Oceanography</i> , 2013, 117, 118-129.	3.2	28
41	Fish distributions in a tidal channel indicate the behavioural impact of a marine renewable energy installation. <i>Energy Reports</i> , 2018, 4, 65-69.	5.1	28
42	Diurnal variation in harbour porpoise detection potential implications for management. <i>Marine Ecology - Progress Series</i> , 2017, 570, 223-232.	1.9	28
43	A review of the UK and British Channel Islands practical tidal stream energy resource. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, 20210469.	2.1	24
44	Predictable hydrodynamic conditions explain temporal variations in the density of benthic foraging seabirds in a tidal stream environment. <i>ICES Journal of Marine Science</i> , 2016, 73, 2677-2686.	2.5	23
45	Epibenthic assemblages in the Celtic Sea and associated with the Jones Bank. <i>Progress in Oceanography</i> , 2013, 117, 76-88.	3.2	21
46	Opportunistically recorded acoustic data support Northeast Atlantic mackerel expansion theory. <i>ICES Journal of Marine Science</i> , 2016, 73, 1115-1126.	2.5	21
47	Automatic active acoustic target detection in turbulent aquatic environments. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 184-199.	2.0	21
48	Seabirds and Marine Renewables: Are we Asking the Right Questions?. <i>Humanity and the Sea</i> , 2014, , 81-92.	0.5	20
49	Investigating the movements and behaviour of Patagonian toothfish (<i>Dissostichus eleginoides</i> Smitt.). <i>Tj ETQq1 1 0.784314 rgBT /Overl</i> <i>Biology and Ecology</i> , 2013, 443, 65-74.	1.5	18
50	Using individual tracking data to validate the predictions of species distribution models. <i>Diversity and Distributions</i> , 2016, 22, 682-693.	4.1	18
51	Ecological costs of climate change on marine predator-prey population distributions by 2050. <i>Ecology and Evolution</i> , 2020, 10, 1069-1086.	1.9	18
52	From physics to fishing over a shelf sea bank. <i>Progress in Oceanography</i> , 2013, 117, 1-8.	3.2	17
53	Comparative studies reveal variability in the use of tidal stream environments by seabirds. <i>Marine Policy</i> , 2017, 81, 143-152.	3.2	17
54	A simulation model coupling the behaviour and energetics of a breeding central place forager to assess the impact of environmental changes. <i>Ecological Modelling</i> , 2014, 273, 31-43.	2.5	15

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55	An evaluation of the use of shore-based surveys for estimating spatial overlap between deep-diving seabirds and tidal stream turbines. <i>International Journal of Marine Energy</i> , 2014, 8, 36-49.	1.8	15
56	The fish and fisheries of Jones Bank and the wider Celtic Sea. <i>Progress in Oceanography</i> , 2013, 117, 89-105.	3.2	14
57	Delineating the habitat of demersal fish assemblages with acoustic seabed technologies. <i>ICES Journal of Marine Science</i> , 2011, 68, 1973-1985.	2.5	11
58	Application of a multibeam echosounder to document changes in animal movement and behaviour around a tidal turbine structure. <i>ICES Journal of Marine Science</i> , 2021, 78, 1253-1266.	2.5	11
59	Spatiotemporal variation in harbor porpoise distribution and foraging across a landscape of fear. <i>Marine Mammal Science</i> , 2022, 38, 42-57.	1.8	11
60	Predicted seabird distributions in the North Sea: the consequences of being hungry. <i>ICES Journal of Marine Science</i> , 1997, 54, 507-517.	2.5	10
61	Hydrodynamic Impacts of a Marine Renewable Energy Installation on the Benthic Boundary Layer in a Tidal Channel. <i>Energy Procedia</i> , 2017, 125, 250-259.	1.8	10
62	Regional-scale patterns in harbour porpoise occupancy of tidal stream environments. <i>ICES Journal of Marine Science</i> , 2018, 75, 701-710.	2.5	10
63	Comparing nekton distributions at two tidal energy sites suggests potential for generic environmental monitoring. <i>International Journal of Marine Energy</i> , 2016, 16, 235-249.	1.8	9
64	Interannual variability in reproductive traits of the Patagonian toothfish <i>Dissostichus eleginoides</i> around the sub-Antarctic island of South Georgia. <i>Journal of Fish Biology</i> , 2017, 91, 278-301.	1.6	9
65	Bayesian network modelling provides spatial and temporal understanding of ecosystem dynamics within shallow shelf seas. <i>Ecological Indicators</i> , 2021, 129, 107997.	6.3	9
66	The parasite fauna of the Patagonian toothfish <i>Dissostichus eleginoides</i> off the Falkland Islands. <i>Journal of Helminthology</i> , 2013, 87, 501-509.	1.0	8
67	Surface Characterisation of Kolk-Boils within Tidal Stream Environments Using UAV Imagery. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 484.	2.6	6
68	Using Unmanned Aerial Vehicle (UAV) Imagery to Characterise Pursuit-Diving Seabird Association With Tidal Stream Hydrodynamic Habitat Features. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	6
69	Tidal streams, fish, and seabirds: Understanding the linkages between mobile predators, prey, and hydrodynamics. <i>Ecosphere</i> , 2022, 13, .	2.2	6
70	Oceanographic features that define the habitat of Pacific ocean perch, <i>Sebastes alutus</i> . <i>Fisheries Oceanography</i> , 1995, 4, 147-157.	1.7	5
71	Integrating stakeholder knowledge through modular cooperative participatory processes for marine spatial planning outcomes (CORPORATES). <i>Ecosystem Services</i> , 2020, 44, 101126.	5.4	5
72	Environmental Issues for Offshore Renewable Energy. , 2021, , .		4

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73	Modelling foraging movements of diving predators: a theoretical study exploring the effect of heterogeneous landscapes on foraging efficiency. PeerJ, 2014, 2, e544.	2.0	4
74	Field deployments of a self-contained subsea platform for acoustic monitoring of the environment around marine renewable energy structures. , 2014, , .		3
75	Exploring the applicability of biological and socioeconomic tools in developing EAFM plans for data absent areas: Spinner dolphin EAFM for Kalpitiya, Sri Lanka. Marine Policy, 2016, 68, 136-145.	3.2	3
76	Use of Our Future Seas: Relevance of Spatial and Temporal Scale for Physical and Biological Indicators. Frontiers in Marine Science, 2022, 8, .	2.5	3
77	A Renewable Engineer's Essential Guide to Marine Ecology. , 2007, , .		2
78	Identifying the larva of the fan mussel, <i>Atrina fragilis</i> (Pennant, 1777) (Pinnidae). Journal of Molluscan Studies, 2018, 84, 247-258.	1.2	2
79	Comparing distribution of harbour porpoise using generalized additive models and hierarchical Bayesian models with integrated nested laplace approximation. Ecological Modelling, 2022, 470, 110011.	2.5	2
80	Comparison of marine and terrestrial ecosystems: suggestions of an evolutionary perspective influenced by environmental variation. ICES Journal of Marine Science, 2019, 76, 355-355.	2.5	0