

Matthew J Witt

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

7,089
citations

61984

43
h-index

62596

80
g-index

124
all docs

124
docs citations

124
times ranked

6966
citing authors

#	ARTICLE	IF	CITATIONS
1	Scaling laws of marine predator search behaviour. <i>Nature</i> , 2008, 451, 1098-1102.	27.8	852
2	Measuring acoustic habitats. <i>Methods in Ecology and Evolution</i> , 2015, 6, 257-265.	5.2	359
3	Marine renewable energy: potential benefits to biodiversity? An urgent call for research. <i>Journal of Applied Ecology</i> , 2009, 46, 1145-1153.	4.0	327
4	Using continuous plankton recorder data. <i>Progress in Oceanography</i> , 2006, 68, 27-74.	3.2	309
5	Satellite tracking of sea turtles: Where have we been and where do we go next?. <i>Endangered Species Research</i> , 2008, 4, 3-22.	2.4	286
6	Individual responses of seabirds to commercial fisheries revealed using GPS tracking, stable isotopes and vessel monitoring systems. <i>Journal of Applied Ecology</i> , 2010, 47, 487-497.	4.0	227
7	Marine anthropogenic litter on British beaches: A 10-year nationwide assessment using citizen science data. <i>Science of the Total Environment</i> , 2017, 579, 1399-1409.	8.0	220
8	Encounter success of free-ranging marine predator movements across a dynamic prey landscape. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1195-1201.	2.6	172
9	Predicting the impacts of climate change on a globally distributed species: the case of the loggerhead turtle. <i>Journal of Experimental Biology</i> , 2010, 213, 901-911.	1.7	165
10	Assessing accuracy and utility of satellite-tracking data using Argos-linked Fastloc-GPS. <i>Animal Behaviour</i> , 2010, 80, 571-581.	1.9	153
11	Home on the range: spatial ecology of loggerhead turtles in Atlantic waters of the USA. <i>Diversity and Distributions</i> , 2011, 17, 624-640.	4.1	138
12	A Step Towards Seascape Scale Conservation: Using Vessel Monitoring Systems (VMS) to Map Fishing Activity. <i>PLoS ONE</i> , 2007, 2, e1111.	2.5	132
13	Using Satellite Tracking to Optimize Protection of Long-Lived Marine Species: Olive Ridley Sea Turtle Conservation in Central Africa. <i>PLoS ONE</i> , 2011, 6, e19905.	2.5	124
14	Satellite Tracking of Manta Rays Highlights Challenges to Their Conservation. <i>PLoS ONE</i> , 2012, 7, e36834.	2.5	120
15	Camera technology for monitoring marine biodiversity and human impact. <i>Frontiers in Ecology and the Environment</i> , 2016, 14, 424-432.	4.0	119
16	Small cetacean captures in Peruvian artisanal fisheries: High despite protective legislation. <i>Biological Conservation</i> , 2010, 143, 136-143.	4.1	98
17	Assessing sound exposure from shipping in coastal waters using a single hydrophone and Automatic Identification System (AIS) data. <i>Marine Pollution Bulletin</i> , 2012, 64, 1320-1329.	5.0	93
18	Pan-Atlantic analysis of the overlap of a highly migratory species, the leatherback turtle, with pelagic longline fisheries. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133065.	2.6	93

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19	Unravelling migratory connectivity in marine turtles using multiple methods. <i>Journal of Applied Ecology</i> , 2010, 47, 769-778.	4.0	86
20	Spatio-temporal analysis of cetacean strandings and bycatch in a UK fisheries hotspot. <i>Biodiversity and Conservation</i> , 2008, 17, 2323-2338.	2.6	82
21	The evolution of viviparity opens opportunities for lizard radiation but drives it into a climatic cul-de-sac. <i>Global Ecology and Biogeography</i> , 2013, 22, 857-867.	5.8	82
22	Underwater noise levels in UK waters. <i>Scientific Reports</i> , 2016, 6, 36942.	3.3	81
23	Prey landscapes help identify potential foraging habitats for leatherback turtles in the NE Atlantic. <i>Marine Ecology - Progress Series</i> , 2007, 337, 231-243.	1.9	81
24	Diel and tidal rhythms in diving behaviour of pelagic sharks identified by signal processing of archival tagging data. <i>Marine Ecology - Progress Series</i> , 2006, 328, 205-213.	1.9	80
25	Assessing wave energy effects on biodiversity: the Wave Hub experience. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 502-529.	3.4	77
26	Tracking leatherback turtles from the world's largest rookery: assessing threats across the South Atlantic. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2338-2347.	2.6	75
27	The paradox of extreme high-altitude migration in bar-headed geese <i>Anser indicus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122114.	2.6	75
28	Global analysis of satellite tracking data shows that adult green turtles are significantly aggregated in Marine Protected Areas. <i>Global Ecology and Biogeography</i> , 2012, 21, 1053-1061.	5.8	73
29	Aerial surveying of the world's largest leatherback turtle rookery: A more effective methodology for large-scale monitoring. <i>Biological Conservation</i> , 2009, 142, 1719-1727.	4.1	67
30	Potential impacts of wave-powered marine renewable energy installations on marine birds. <i>Ibis</i> , 2010, 152, 683-697.	1.9	67
31	A continuous-time state-space model for rapid quality control of argos locations from animal-borne tags. <i>Movement Ecology</i> , 2020, 8, 31.	2.8	66
32	First results from satellite-linked archival tagging of porbeagle shark, <i>Lamna nasus</i> : Area fidelity, wider-scale movements and plasticity in diel depth changes. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 370, 64-74.	1.5	61
33	Seabird diversity hotspot linked to ocean productivity in the Canary Current Large Marine Ecosystem. <i>Biology Letters</i> , 2016, 12, 20160024.	2.3	61
34	Long-term satellite tracking reveals variable seasonal migration strategies of basking sharks in the north-east Atlantic. <i>Scientific Reports</i> , 2017, 7, 42837.	3.3	61
35	Diving behavior and movements of juvenile hawksbill turtles <i>Eretmochelys imbricata</i> on a Caribbean coral reef. <i>Coral Reefs</i> , 2009, 28, 55-65.	2.2	60
36	Using pingers to reduce bycatch of small cetaceans in Peru's small-scale driftnet fishery. <i>Oryx</i> , 2013, 47, 595-606.	1.0	59

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37	Ecological regime shift drives declining growth rates of sea turtles throughout the West Atlantic. <i>Global Change Biology</i> , 2017, 23, 4556-4568.	9.5	59
38	Evaluating the landscape of fear between apex predatory sharks and mobile sea turtles across a large dynamic seascape. <i>Ecology</i> , 2015, 96, 2117-2126.	3.2	56
39	A novel projection technique to identify important at-sea areas for seabird conservation: An example using Northern gannets breeding in the North East Atlantic. <i>Biological Conservation</i> , 2012, 156, 43-52.	4.1	53
40	Conflict between Dolphins and a Data-Scarce Fishery of the European Union. <i>Human Ecology</i> , 2018, 46, 423-433.	1.4	53
41	Using satellite AIS to improve our understanding of shipping and fill gaps in ocean observation data to support marine spatial planning. <i>Journal of Applied Ecology</i> , 2018, 55, 1834-1845.	4.0	50
42	On the front line: integrated habitat mapping for olive ridley sea turtles in the southeast Atlantic. <i>Diversity and Distributions</i> , 2013, 19, 1518-1530.	4.1	48
43	Satellite tracking highlights difficulties in the design of effective protected areas for Critically Endangered leatherback turtles <i>Dermochelys coriacea</i> during the inter-nesting period. <i>Oryx</i> , 2008, 42, .	1.0	47
44	Modelling the niche for a marine vertebrate: a case study incorporating behavioural plasticity, proximate threats and climate change. <i>Ecography</i> , 2015, 38, 803-812.	4.5	47
45	Informing Marine Protected Area Designation and Management for Nesting Olive Ridley Sea Turtles Using Satellite Tracking. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	47
46	Investigating the distribution and regional occurrence of anthropogenic litter in English marine protected areas using 25 years of citizen-science beach clean data. <i>Environmental Pollution</i> , 2020, 263, 114365.	7.5	44
47	Testing the boundaries: Seasonal residency and inter-annual site fidelity of basking sharks in a proposed Marine Protected Area. <i>Biological Conservation</i> , 2017, 209, 68-75.	4.1	42
48	Migratory patterns in hawksbill turtles described by satellite tracking. <i>Marine Ecology - Progress Series</i> , 2012, 461, 223-232.	1.9	40
49	Seasonal space-use estimates of basking sharks in relation to protection and political-economic zones in the North-east Atlantic. <i>Biological Conservation</i> , 2006, 132, 33-39.	4.1	39
50	Addressing Uncertainty in Marine Resource Management; Combining Community Engagement and Tracking Technology to Characterize Human Behavior. <i>Conservation Letters</i> , 2017, 10, 460-469.	5.7	38
51	Somatic growth dynamics of West Atlantic hawksbill sea turtles: a spatio-temporal perspective. <i>Ecosphere</i> , 2016, 7, e01279.	2.2	36
52	Spatio-temporal patterns of juvenile marine turtle occurrence in waters of the European continental shelf. <i>Marine Biology</i> , 2007, 151, 873-885.	1.5	34
53	Foraging habitats and migration corridors utilized by a recovering subpopulation of adult female loggerhead sea turtles: implications for conservation. <i>Marine Biology</i> , 2013, 160, 3071-3086.	1.5	34
54	Importance of spatio-temporal data for predicting the effects of climate change on marine turtle sex ratios. <i>Marine Ecology - Progress Series</i> , 2013, 488, 267-274.	1.9	34

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55	Basking sharks in the northeast Atlantic: spatio-temporal trends from sightings in UK waters. <i>Marine Ecology - Progress Series</i> , 2012, 459, 121-134.	1.9	34
56	Telemetry as a tool for improving estimates of marine turtle abundance. <i>Biological Conservation</i> , 2013, 167, 90-96.	4.1	33
57	Big catch, little sharks: Insight into Peruvian small-scale longline fisheries. <i>Ecology and Evolution</i> , 2014, 4, 2375-2383.	1.9	30
58	Behavioral evidence suggests facultative scavenging by a marine apex predator during a food pulse. <i>Behavioral Ecology and Sociobiology</i> , 2016, 70, 1777-1788.	1.4	30
59	New findings about the spatial and temporal use of the Eastern Atlantic Ocean by large juvenile loggerhead turtles. <i>Diversity and Distributions</i> , 2016, 22, 481-492.	4.1	29
60	Tracking Fine-Scale Structural Changes in Coastal Dune Morphology Using Kite Aerial Photography and Uncertainty-Assessed Structure-from-Motion Photogrammetry. <i>Remote Sensing</i> , 2018, 10, 1494.	4.0	29
61	Inferring vertical and horizontal movements of juvenile marine turtles from time-depth recorders. <i>Aquatic Biology</i> , 2010, 8, 169-177.	1.4	29
62	Status and community-based conservation of marine turtles in the northern Querimbas Islands (Mozambique). <i>Oryx</i> , 2012, 46, 359-367.	1.0	28
63	Down but not out: marine turtles of the British Virgin Islands. <i>Animal Conservation</i> , 2008, 11, 92-103.	2.9	26
64	Going the extra mile: Ground-based monitoring of olive ridley turtles reveals Gabon hosts the largest rookery in the Atlantic. <i>Biological Conservation</i> , 2015, 190, 14-22.	4.1	26
65	Long-term underwater sound measurements in the shipping noise indicator bands 63 Hz and 125 Hz from the port of Falmouth Bay, UK. <i>Marine Pollution Bulletin</i> , 2016, 110, 438-448.	5.0	25
66	A first estimate of sea turtle bycatch in the industrial trawling fishery of Gabon. <i>Biodiversity and Conservation</i> , 2017, 26, 2421-2433.	2.6	25
67	Life in (and out of) the lagoon: fine-scale movements of green turtles tracked using time-depth recorders. <i>Aquatic Biology</i> , 2010, 9, 113-121.	1.4	23
68	High rates of growth recorded for hawksbill sea turtles in <i>Aneгада</i> , <i>British Virgin Islands</i> . <i>Ecology and Evolution</i> , 2014, 4, 1255-1266.	1.9	22
69	Pink sea fans (<i>Eunicella verrucosa</i>) as indicators of the spatial efficacy of Marine Protected Areas in southwest UK coastal waters. <i>Marine Policy</i> , 2016, 64, 38-45.	3.2	22
70	Predicting habitat suitability for basking sharks (<i>Cetorhinus maximus</i>) in UK waters using ensemble ecological niche modelling. <i>Journal of Sea Research</i> , 2019, 153, 101767.	1.6	22
71	Rate of egg maturation in marine turtles exhibits 'universal temperature dependence'. <i>Journal of Animal Ecology</i> , 2011, 80, 1034-1041.	2.8	20
72	Cnidaria in UK coastal waters: description of spatio-temporal patterns and inter-annual variability. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2014, 94, 1401-1408.	0.8	19

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73	Multinational Tagging Efforts Illustrate Regional Scale of Distribution and Threats for East Pacific Green Turtles (<i>Chelonia mydas agassizii</i>). PLoS ONE, 2015, 10, e0116225.	2.5	19
74	Assessing the impact of introduced infrastructure at sea with cameras: A case study for spatial scale, time and statistical power. Marine Environmental Research, 2019, 147, 126-137.	2.5	19
75	Spatio-temporal variation in ocean current-driven hatchling dispersion: Implications for the world's largest leatherback sea turtle nesting region. Diversity and Distributions, 2017, 23, 604-614.	4.1	18
76	A novel approach to estimate the distribution, density and at-sea risks of a centrally-placed mobile marine vertebrate. Biological Conservation, 2018, 221, 246-256.	4.1	18
77	Post-capture movements of loggerhead turtles in the southeastern Pacific Ocean assessed by satellite tracking. Marine Ecology - Progress Series, 2011, 433, 261-272.	1.9	18
78	Satellite telemetry reveals behavioural plasticity in a green turtle population nesting in Sri Lanka. Marine Biology, 2013, 160, 1415-1426.	1.5	17
79	Geographic and environmental drivers of fecundity in the European lobster (<i>Homarus gammarus</i>). ICES Journal of Marine Science, 2015, 72, i91-i100.	2.5	17
80	Temporal patterns in habitat use by small cetaceans at an oceanographically dynamic marine renewable energy test site in the Celtic Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 141, 178-190.	1.4	17
81	Polar compounds preclude mathematical lipid correction of carbon stable isotopes in deep-water sharks. Journal of Experimental Marine Biology and Ecology, 2017, 494, 69-74.	1.5	17
82	Spatio-temporal genetic tagging of a cosmopolitan planktivorous shark provides insight to gene flow, temporal variation and site-specific re-encounters. Scientific Reports, 2020, 10, 1661.	3.3	17
83	Assessing coastal artificial light and potential exposure of wildlife at a national scale: the case of marine turtles in Brazil. Biodiversity and Conservation, 2020, 29, 1135-1152.	2.6	17
84	Abundance, distribution and haul-out behaviour of grey seals (<i>Halichoerus grypus</i>) in Cornwall and the Isles of Scilly, UK. Journal of the Marine Biological Association of the United Kingdom, 2010, 90, 1033-1040.	0.8	16
85	Network analysis of sea turtle movements and connectivity: A tool for conservation prioritization. Diversity and Distributions, 2022, 28, 810-829.	4.1	16
86	Insights into Habitat Utilization by Green Turtles (<i>Chelonia mydas</i>) During the Inter-Nesting Period Using Animal-Borne Digital Cameras. Marine Technology Society Journal, 2009, 43, 51-59.	0.4	15
87	Environmental Impact Assessment: Gathering experiences from wave energy test centres in Europe. International Journal of Marine Energy, 2016, 14, 68-79.	1.8	15
88	Development of epibenthic assemblages on artificial habitat associated with marine renewable infrastructure. ICES Journal of Marine Science, 2020, 77, 1178-1189.	2.5	15
89	High altitude flights by ruddy shelduck <i>Tadorna ferruginea</i> during trans-Himalayan migrations. Journal of Avian Biology, 2017, 48, 1310-1315.	1.2	14
90	Autonomous underwater videography and tracking of basking sharks. Animal Biotelemetry, 2020, 8, .	1.9	14

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91	“Too Big To Ignore”: A feasibility analysis of detecting fishing events in Gabonese small-scale fisheries. PLoS ONE, 2020, 15, e0234091.	2.5	14
92	Marine megavertebrates of Cornwall and the Isles of Scilly: relative abundance and distribution. Journal of the Marine Biological Association of the United Kingdom, 2012, 92, 1823-1833.	0.8	13
93	Acoustic Complexity Index to assess benthic biodiversity of a partially protected area in the southwest of the UK. Ecological Indicators, 2020, 111, 106019.	6.3	13
94	Tracking Atlantic bluefin tuna from foraging grounds off the west coast of Ireland. ICES Journal of Marine Science, 2020, 77, 2066-2077.	2.5	13
95	Shining Light on Data-Poor Coastal Fisheries. Frontiers in Marine Science, 2021, 7, .	2.5	13
96	Estimating sex ratios in Caribbean hawksbill turtles: testosterone levels and climate effects. Aquatic Biology, 2013, 18, 9-19.	1.4	13
97	Seasonal changes in basking shark vertical space use in the north-east Atlantic. Marine Biology, 2019, 166, 1.	1.5	11
98	Long-term insights into marine turtle sightings, strandings and captures around the UK and Ireland (1910–2018). Journal of the Marine Biological Association of the United Kingdom, 2020, 100, 869-877.	0.8	11
99	Assessing the importance of Isle of Man waters for the basking shark <i>Cetorhinus maximus</i> . Endangered Species Research, 2020, 41, 209-223.	2.4	11
100	Stable isotopes reveal food web dynamics of a data-poor deep-sea island slope community. Food Webs, 2017, 10, 22-25.	1.2	10
101	Pinnipeds, people and photo identification: the implications of grey seal movements for effective management of the species. Journal of the Marine Biological Association of the United Kingdom, 2019, 99, 1221-1230.	0.8	10
102	Using Cumulative Impact Mapping to Prioritize Marine Conservation Efforts in Equatorial Guinea. Frontiers in Marine Science, 2019, 6, .	2.5	10
103	Ecological niche modeling reveals manta ray distribution and conservation priority areas in the Western Central Atlantic. Animal Conservation, 2021, 24, 322-334.	2.9	9
104	Here today, here tomorrow: Beached timber in Gabon, a persistent threat to nesting sea turtles. Biological Conservation, 2013, 162, 127-132.	4.1	8
105	Do Bar-Headed Geese Train for High Altitude Flights?. Integrative and Comparative Biology, 2017, 57, 240-251.	2.0	8
106	Monitoring global fishing activity in proximity to seamounts using automatic identification systems. Fish and Fisheries, 2022, 23, 733-749.	5.3	8
107	The impacts of climate change on marine turtle reproductive success. , 0, , 287-310.		6
108	Sea turtles and survivability in demersal trawl fisheries: Do comatose olive ridley sea turtles survive post-release?. Animal Biotelemetry, 2018, 6, .	1.9	6

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109	Fulfilling global marine commitments; lessons learned from Gabon. <i>Conservation Letters</i> , 2022, 15, .	5.7	6
110	Nation-wide assessment of the distribution and population size of the data-deficient nurse shark (<i>Ginglymostoma cirratum</i>). <i>PLoS ONE</i> , 2021, 16, e0256532.	2.5	5
111	Fishing down the reef slope: Characteristics of the nearshore deepwater fisheries of MesoAmerica. <i>Ocean and Coastal Management</i> , 2021, 211, 105773.	4.4	5
112	Leatherback turtle conservation in the Caribbean UK overseas territories: Act local, think global?. <i>Marine Policy</i> , 2013, 38, 483-490.	3.2	4
113	Free Flight Physiology: Paragliding and the Study of Extreme Altitude. <i>High Altitude Medicine and Biology</i> , 2017, 18, 90-91.	0.9	4
114	High resolution biologging of breaching by the world's second largest shark species. <i>Scientific Reports</i> , 2021, 11, 5236.	3.3	4
115	Benefits beyond 'features': Cooperative monitoring highlights MPA value for enhanced seabed integrity. <i>Marine Policy</i> , 2021, 134, 104801.	3.2	4
116	Basking shark breaching behaviour observations west of Shetland. <i>Marine Biodiversity Records</i> , 2018, 11, .	1.2	3
117	Animal Research beyond the Laboratory: Report from a Workshop on Places Other than Licensed Establishments (POLEs) in the UK. <i>Animals</i> , 2020, 10, 1868.	2.3	3
118	Evidence of increased occurrence of Atlantic bluefin tuna in territorial waters of the United Kingdom and Ireland. <i>ICES Journal of Marine Science</i> , 2021, 78, 1672-1683.	2.5	3
119	Basking shark sub-surface behaviour revealed by animal-towed cameras. <i>PLoS ONE</i> , 2021, 16, e0253388.	2.5	3
120	Revisiting UK Marine Protected Areas governance: A case study of a collaborative approach to managing an English MPA. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 1829-1835.	2.0	2
121	Post release monitoring of rehabilitated gray seal pups over large temporal and spatial scales. <i>Marine Mammal Science</i> , 2022, 38, 539-556.	1.8	2
122	Cetacean sightings and strandings: evidence for spatial and temporal trends?â€”ERRATUM. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2012, 92, 1821-1822.	0.8	1
123	Underwater Sound Levels at a Wave Energy Device Testing Facility in Falmouth Bay, UK. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 331-339.	1.6	0
124	Have Centuries of Inefficient Fishing Sustained a Wild Oyster Fishery: a Case Study. <i>Fisheries and Aquaculture Journal</i> , 2017, 08, .	0.2	0