

Rebecca L Lewison

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

8,224
citations

109321

35
h-index

49909

87
g-index

101
all docs

101
docs citations

101
times ranked

10658
citing authors

#	ARTICLE	IF	CITATIONS
1	The Status of the World's Land and Marine Mammals: Diversity, Threat, and Knowledge. <i>Science</i> , 2008, 322, 225-230.	12.6	1,215
2	The Impact of Conservation on the Status of the World's Vertebrates. <i>Science</i> , 2010, 330, 1503-1509.	12.6	1,209
3	Cumulative Human Impacts on Mediterranean and Black Sea Marine Ecosystems: Assessing Current Pressures and Opportunities. <i>PLoS ONE</i> , 2013, 8, e79889.	2.5	413
4	Quantifying the effects of fisheries on threatened species: the impact of pelagic longlines on loggerhead and leatherback sea turtles. <i>Ecology Letters</i> , 2004, 7, 221-231.	6.4	405
5	Global patterns of marine mammal, seabird, and sea turtle bycatch reveal taxa-specific and cumulative megafauna hotspots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5271-5276.	7.1	367
6	Dynamic ocean management: Defining and conceptualizing real-time management of the ocean. <i>Marine Policy</i> , 2015, 58, 42-50.	3.2	346
7	A dynamic ocean management tool to reduce bycatch and support sustainable fisheries. <i>Science Advances</i> , 2018, 4, eaar3001.	10.3	280
8	Global patterns of marine turtle bycatch. <i>Conservation Letters</i> , 2010, 3, 131-142.	5.7	242
9	Dynamic Ocean Management: Identifying the Critical Ingredients of Dynamic Approaches to Ocean Resource Management. <i>BioScience</i> , 2015, 65, 486-498.	4.9	200
10	Polybrominated diphenyl ethers (PBDEs) in fish tissue may be an indicator of plastic contamination in marine habitats. <i>Science of the Total Environment</i> , 2014, 476-477, 622-633.	8.0	185
11	Impacts of fisheries bycatch on marine turtle populations worldwide: toward conservation and research priorities. <i>Ecosphere</i> , 2013, 4, 1-49.	2.2	162
12	How the DPSIR framework can be used for structuring problems and facilitating empirical research in coastal systems. <i>Environmental Science and Policy</i> , 2016, 56, 110-119.	4.9	149
13	Putting Longline Bycatch of Sea Turtles into Perspective. <i>Conservation Biology</i> , 2007, 21, 79-86.	4.7	147
14	A review of marine mammal, sea turtle and seabird bycatch in USA fisheries and the role of policy in shaping management. <i>Marine Policy</i> , 2009, 33, 435-451.	3.2	147
15	Quantifying fishing effort: a synthesis of current methods and their applications. <i>Fish and Fisheries</i> , 2008, 9, 188-200.	5.3	135
16	ESTIMATING FISHERY BYCATCH AND EFFECTS ON A VULNERABLE SEABIRD POPULATION. , 2003, 13, 743-753.		121
17	Characterizing Fishing Effort and Spatial Extent of Coastal Fisheries. <i>PLoS ONE</i> , 2010, 5, e14451.	2.5	120
18	Cumulative estimates of sea turtle bycatch and mortality in USA fisheries between 1990 and 2007. <i>Biological Conservation</i> , 2011, 144, 2719-2727.	4.1	110

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19	Integrating research using animal-borne telemetry with the needs of conservation management. <i>Journal of Applied Ecology</i> , 2017, 54, 423-429.	4.0	106
20	Mapping Vegetation and Land Use Types in Fanjingshan National Nature Reserve Using Google Earth Engine. <i>Remote Sensing</i> , 2018, 10, 927.	4.0	105
21	Pollutants and the health of green sea turtles resident to an urbanized estuary in San Diego, CA. <i>Chemosphere</i> , 2011, 84, 544-552.	8.2	97
22	Trophic ecology of green sea turtles in a highly urbanized bay: Insights from stable isotopes and mixing models. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 405, 25-32.	1.5	92
23	Addressing fisheries bycatch in a changing world. <i>Frontiers in Marine Science</i> , 2015, 2, .	2.5	89
24	The Impact of Turtle Excluder Devices and Fisheries Closures on Loggerhead and Kemp's Ridley Strandings in the Western Gulf of Mexico. <i>Conservation Biology</i> , 2003, 17, 1089-1097.	4.7	78
25	Dynamic habitat models: using telemetry data to project fisheries bycatch. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3191-3200.	2.6	78
26	Integrating Dynamic Subsurface Habitat Metrics Into Species Distribution Models. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	75
27	Carbon stable isotopes suggest that hippopotamus-derived nutrients subsidize aquatic consumers in an East African river. <i>Ecosphere</i> , 2015, 6, 1-11.	2.2	67
28	Impacts of fisheries bycatch on loggerhead turtles worldwide inferred from reproductive value analyses. <i>Journal of Applied Ecology</i> , 2008, 45, 1076-1085.	4.0	66
29	Fisheries bycatch risk to marine megafauna is intensified in Lagrangian coherent structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7362-7367.	7.1	62
30	MODELING SPATIAL PATTERNS IN FISHERIES BYCATCH: IMPROVING BYCATCH MAPS TO AID FISHERIES MANAGEMENT. , 2008, 18, 649-661.		57
31	Mapping the bycatch seascape: multispecies and multi-scale spatial patterns of fisheries bycatch. <i>Ecological Applications</i> , 2009, 19, 920-930.	3.8	57
32	Fit to predict? Ecoinformatics for predicting the catchability of a pelagic fish in near real time. <i>Ecological Applications</i> , 2017, 27, 2313-2329.	3.8	53
33	Shifting the life-history paradigm: discovery of novel habitat use by hawksbill turtles. <i>Biology Letters</i> , 2012, 8, 54-56.	2.3	48
34	Understanding the Importance of Dynamic Landscape Connectivity. <i>Land</i> , 2020, 9, 303.	2.9	45
35	Practical considerations for operationalizing dynamic management tools. <i>Journal of Applied Ecology</i> , 2019, 56, 459-469.	4.0	44
36	Evaluating the Potential Effectiveness of Compensatory Mitigation Strategies for Marine Bycatch. <i>PLoS ONE</i> , 2008, 3, e2480.	2.5	40

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37	Exploring behavior of an unusual megaherbivore: a spatially explicit foraging model of the hippopotamus. <i>Ecological Modelling</i> , 2004, 171, 127-138.	2.5	38
38	Population responses to natural and human-mediated disturbances: assessing the vulnerability of the common hippopotamus (<i>Hippopotamus amphibius</i>). <i>African Journal of Ecology</i> , 2007, 45, 407-415.	0.9	36
39	Identifying Bioaccumulative Halogenated Organic Compounds Using a Nontargeted Analytical Approach: Seabirds as Sentinels. <i>PLoS ONE</i> , 2015, 10, e0127205.	2.5	36
40	Rethinking megafauna. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192643.	2.6	35
41	Protecting marine mammals, turtles, and birds by rebuilding global fisheries. <i>Science</i> , 2018, 359, 1255-1258.	12.6	34
42	Fine scale diel movement of the east Pacific green turtle, <i>Chelonia mydas</i> , in a highly urbanized foraging environment. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 443, 56-64.	1.5	33
43	Negative impacts of invasive plants on conservation of sensitive desert wildlife. <i>Ecosphere</i> , 2016, 7, e01531.	2.2	31
44	Improved estimation of intrinsic growth r_{max} for long-lived species: integrating matrix models and allometry. <i>Ecological Applications</i> , 2016, 26, 322-333.	3.8	30
45	Hawksbill turtle terra incognita: conservation genetics of eastern Pacific rookeries. <i>Ecology and Evolution</i> , 2016, 6, 1251-1264.	1.9	29
46	Comprehensive Screening Links Halogenated Organic Compounds with Testosterone Levels in Male <i>Delphinus delphis</i> from the Southern California Bight. <i>Environmental Science & Technology</i> , 2018, 52, 3101-3109.	10.0	29
47	A Rubric to Evaluate Citizen-Science Programs for Long-Term Ecological Monitoring. <i>BioScience</i> , 2017, 67, 834-844.	4.9	27
48	Trace metals in an urbanized estuarine sea turtle food web in San Diego Bay, CA. <i>Science of the Total Environment</i> , 2012, 417-418, 108-116.	8.0	26
49	Using community-level metrics to monitor the effects of marine protected areas on biodiversity. <i>Conservation Biology</i> , 2015, 29, 775-783.	4.7	24
50	Contextualising the coupled socio-ecological conditions of marine megafauna bycatch. <i>Ocean and Coastal Management</i> , 2015, 116, 449-465.	4.4	24
51	Monitoring land-cover and land-use dynamics in Fanjingshan National Nature Reserve. <i>Applied Geography</i> , 2019, 111, 102077.	3.7	24
52	Seasonal spatial segregation in blue sharks (<i>Prionace glauca</i>) by sex and size class in the Northeast Pacific Ocean. <i>Diversity and Distributions</i> , 2019, 25, 1304-1317.	4.1	24
53	Infanticide in the hippopotamus: evidence for polygynous ungulates. <i>Ethology Ecology and Evolution</i> , 1998, 10, 277-286.	1.4	23
54	Validation of a rigorous track classification technique: identifying individual mountain lions. <i>Biological Conservation</i> , 2001, 99, 313-321.	4.1	23

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55	Drivers of retention and discards of elasmobranch non-target catch. <i>Environmental Conservation</i> , 2016, 43, 3-12.	1.3	23
56	Using the DPSIR framework for transdisciplinary training and knowledge elicitation in the Gulf of Thailand. <i>Ocean and Coastal Management</i> , 2016, 134, 163-172.	4.4	23
57	Characterizing habitat suitability for a central-place forager in a dynamic marine environment. <i>Ecology and Evolution</i> , 2018, 8, 2788-2801.	1.9	21
58	The effects of homing and movement behaviors on translocation: Desert tortoises in the western Mojave Desert. <i>Journal of Wildlife Management</i> , 2015, 79, 137-147.	1.8	20
59	Supporting Adaptive Connectivity in Dynamic Landscapes. <i>Land</i> , 2020, 9, 295.	2.9	20
60	Evaluating the efficacy of environmental legislation: A case study from the US marine mammal Take Reduction Planning process. <i>Global Ecology and Conservation</i> , 2016, 5, 1-11.	2.1	18
61	Managing catch of marine megafauna: Guidelines for setting limit reference points. <i>Marine Policy</i> , 2015, 61, 249-263.	3.2	17
62	Puma response to the effects of fire and urbanization. <i>Journal of Wildlife Management</i> , 2016, 80, 221-234.	1.8	17
63	Natal foraging philopatry in eastern Pacific hawksbill turtles. <i>Royal Society Open Science</i> , 2017, 4, 170153.	2.4	17
64	Seabirds as regional biomonitors of legacy toxicants on an urbanized coastline. <i>Science of the Total Environment</i> , 2018, 619-620, 460-469.	8.0	17
65	Identifying landscape predictors of ocelot road mortality. <i>Landscape Ecology</i> , 2020, 35, 1651-1666.	4.2	17
66	Assessing the effects of payments for ecosystem services programs on forest structure and species biodiversity. <i>Biodiversity and Conservation</i> , 2020, 29, 2123-2140.	2.6	17
67	Embracing Complexity and Complexity-Awareness in Marine Megafauna Conservation and Research. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	16
68	Contaminant Exposure Linked to Cellular and Endocrine Biomarkers in Southern California Bottlenose Dolphins. <i>Environmental Science & Technology</i> , 2019, 53, 3811-3822.	10.0	15
69	Prevalence of polygyny in a critically endangered marine turtle population. <i>Journal of Experimental Marine Biology and Ecology</i> , 2018, 506, 91-99.	1.5	14
70	Accounting for unintended consequences of resource policy: Connecting research that addresses displacement of environmental impacts. <i>Conservation Letters</i> , 2019, 12, e12628.	5.7	14
71	Integrating oceans into climate policy: Any green new deal needs a splash of blue. <i>Conservation Letters</i> , 2020, 13, e12716.	5.7	13
72	Corporate responsibility and biodiversity conservation: challenges and opportunities for companies participating in China's Belt and Road Initiative. <i>Environmental Conservation</i> , 2022, 49, 42-52.	1.3	13

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73	A landscape-scale framework to identify refugia from multiple stressors. <i>Conservation Biology</i> , 2022, 36, .	4.7	12
74	Finding Balance in Fisheries Management. <i>Science</i> , 2012, 336, 413-413.	12.6	11
75	Characterizing response of East Pacific green turtles to changing temperatures: using acoustic telemetry in a highly urbanized environment. <i>Animal Biotelemetry</i> , 2016, 4, .	1.9	11
76	Poor fisheries struggle with U.S. import rule. <i>Science</i> , 2017, 355, 1031-1032.	12.6	11
77	Planning for Dynamic Connectivity: Operationalizing Robust Decision-Making and Prioritization Across Landscapes Experiencing Climate and Land-Use Change. <i>Land</i> , 2020, 9, 341.	2.9	11
78	Complex immune responses and molecular reactions to pathogens and disease in a desert reptile (<i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>)	1.9	10
79	Using GIS and stakeholder involvement to innovate marine mammal bycatch risk assessment in data-limited fisheries. <i>PLoS ONE</i> , 2020, 15, e0237835.	2.5	10
80	Species and population specific gene expression in blood transcriptomes of marine turtles. <i>BMC Genomics</i> , 2021, 22, 346.	2.8	9
81	Compensatory mitigation for marine bycatch will do harm, not good. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 350-351.	4.0	8
82	Coupling gene-based and classic veterinary diagnostics improves interpretation of health and immune function in the Agassiz's desert tortoise (<i>Gopherus agassizii</i>). , 2017, 5, cox037.		8
83	Tracking transcriptomic responses to endogenous and exogenous variation in cetaceans in the Southern California Bight. , 2019, 7, coz018.		8
84	A Global Capacity Building Vision for Societal Applications of Earth Observing Systems and Data: Key Questions and Recommendations. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1295-1299.	3.3	7
85	Nitrogen isotope fractionation of amino acids from a controlled study on the green turtle (<i>Chelonia</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 1.5 7</i>	1.5	7
86	Foraging in marine habitats increases mercury concentrations in a generalist seabird. <i>Chemosphere</i> , 2021, 279, 130470.	8.2	7
87	Quantifying canopy fractional cover and change in Fanjingshan National Nature Reserve, China using multi-temporal Landsat imagery. <i>Remote Sensing Letters</i> , 2016, 7, 671-680.	1.4	6
88	Understanding direct and indirect effects of Payment for Ecosystem Services on resource use and wildlife. <i>Anthropocene</i> , 2020, 31, 100255.	3.3	6
89	Carnivore population structure across an urbanization gradient: a regional genetic analysis of bobcats in southern California. <i>Landscape Ecology</i> , 2020, 35, 659-674.	4.2	6
90	Reframing the payments for ecosystem services framework in a coupled human and natural systems context: strengthening the integration between ecological and human dimensions. <i>Ecosystem Health and Sustainability</i> , 2017, 3, .	3.1	5

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91	Pairing long-term population monitoring and wildlife crossing structure interaction data to evaluate road mitigation effectiveness. <i>Biological Conservation</i> , 2021, 257, 109085.	4.1	5
92	Improved estimation of intrinsic growth r_{max} for long-lived species: integrating matrix models and allometry. , 0, , 150611153552004.		3
93	Satellite Remote Sensing in Support of Fisheries Management in Global Oceans. <i>Springer Remote Sensing/photogrammetry</i> , 2016, , 207-222.	0.4	3
94	Pairing functional connectivity with population dynamics to prioritize corridors for Southern California spotted owls. <i>Diversity and Distributions</i> , 2021, 27, 844-856.	4.1	3
95	Sex-Specific Habitat Suitability Modeling for <i>Panthera tigris</i> in Chitwan National Park, Nepal: Broader Conservation Implications. <i>Sustainability</i> , 2021, 13, 13885.	3.2	3
96	Dynamic Landscape Connectivity Special Issue Editorial. <i>Land</i> , 2021, 10, 555.	2.9	2
97	Limited resources shape home range patterns of an insular ungulate in a semi-arid ecosystem. <i>Journal of Arid Environments</i> , 2022, 200, 104728.	2.4	2
98	Elucidating the trophic ecology of foraging leatherback turtles: editorial comment on the feature article by Wallace et al.. <i>Marine Biology</i> , 2014, 161, 1709-1710.	1.5	0
99	Comparing stakeholder perceptions with empirical outcomes from negotiated rulemaking policies: Is participant satisfaction a proxy for policy success?. <i>Marine Policy</i> , 2016, 73, 224-230.	3.2	0
100	Reply to Horswill and Manica: FTLE is one of a suite of oceanographic variables useful for predicting bycatch risk in marine fisheries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7174-7175.	7.1	0
101	Thermal Effluent and Impacts on Thermoregulation of Aquatic Reptiles: Response to Rapid Changes in Water Temperature. , 2021, , 169-175.		0