

Chris Wilcox

List of Publications by Year in descending order

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Version: 2024-02-01

121
papers

17,657
citations

36203

51
h-index

19690

117
g-index

123
all docs

123
docs citations

123
times ranked

16156
citing authors

#	ARTICLE	IF	CITATIONS
1	Plastic waste inputs from land into the ocean. <i>Science</i> , 2015, 347, 768-771.	6.0	7,686
2	A global inventory of small floating plastic debris. <i>Environmental Research Letters</i> , 2015, 10, 124006.	2.2	1,113
3	State-space models of individual animal movement. <i>Trends in Ecology and Evolution</i> , 2008, 23, 87-94.	4.2	708
4	Threat of plastic pollution to seabirds is global, pervasive, and increasing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11899-11904.	3.3	672
5	Plastic as a Persistent Marine Pollutant. <i>Annual Review of Environment and Resources</i> , 2017, 42, 1-26.	5.6	497
6	Millimeter-Sized Marine Plastics: A New Pelagic Habitat for Microorganisms and Invertebrates. <i>PLoS ONE</i> , 2014, 9, e100289.	1.1	363
7	Marine Plastic Pollution in Waters around Australia: Characteristics, Concentrations, and Pathways. <i>PLoS ONE</i> , 2013, 8, e80466.	1.1	340
8	Global research priorities to mitigate plastic pollution impacts on marine wildlife. <i>Endangered Species Research</i> , 2014, 25, 225-247.	1.2	275
9	Global Analysis of Anthropogenic Debris Ingestion by Sea Turtles. <i>Conservation Biology</i> , 2014, 28, 129-139.	2.4	247
10	Challenges and emerging solutions to the land-based plastic waste issue in Africa. <i>Marine Policy</i> , 2018, 96, 256-263.	1.5	196
11	Using expert elicitation to estimate the impacts of plastic pollution on marine wildlife. <i>Marine Policy</i> , 2016, 65, 107-114.	1.5	189
12	Microplastic Distribution at Different Sediment Depths in an Urban Estuary. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	178
13	Toward the Integrated Marine Debris Observing System. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	178
14	Precision of Population Viability Analysis. <i>Conservation Biology</i> , 2002, 16, 258-261.	2.4	164
15	Using Numerical Model Simulations to Improve the Understanding of Micro-plastic Distribution and Pathways in the Marine Environment. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	157
16	Presence?Absence versus Abundance Data for Monitoring Threatened Species. <i>Conservation Biology</i> , 2006, 20, 1679-1687.	2.4	149
17	A quantitative analysis linking sea turtle mortality and plastic debris ingestion. <i>Scientific Reports</i> , 2018, 8, 12536.	1.6	148
18	A Global Mitigation Hierarchy for Nature Conservation. <i>BioScience</i> , 2018, 68, 336-347.	2.2	143

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19	Risk analysis reveals global hotspots for marine debris ingestion by sea turtles. <i>Global Change Biology</i> , 2016, 22, 567-576.	4.2	139
20	Microplastic Pollution in Deep-Sea Sediments From the Great Australian Bight. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	137
21	Uses and Misuses of Multicriteria Decision Analysis (MCDA) in Environmental Decision Making. <i>Risk Analysis</i> , 2009, 29, 26-33.	1.5	131
22	How successful are waste abatement campaigns and government policies at reducing plastic waste into the marine environment?. <i>Marine Policy</i> , 2018, 96, 243-249.	1.5	119
23	Mistaken identity? Visual similarities of marine debris to natural prey items of sea turtles. <i>BMC Ecology</i> , 2014, 14, 14.	3.0	118
24	FORUM: Perverse incentives risk undermining biodiversity offset policies. <i>Journal of Applied Ecology</i> , 2015, 52, 532-537.	1.9	115
25	Estimating quantities and sources of marine debris at a continental scale. <i>Frontiers in Ecology and the Environment</i> , 2017, 15, 18-25.	1.9	109
26	Differentiating littering, urban runoff and marine transport as sources of marine debris in coastal and estuarine environments. <i>Scientific Reports</i> , 2017, 7, 44479.	1.6	107
27	Estimates of fishing gear loss rates at a global scale: A literature review and meta-analysis. <i>Fish and Fisheries</i> , 2019, 20, 1218-1231.	2.7	106
28	Risk assessment of plastic pollution on marine diversity in the Mediterranean Sea. <i>Science of the Total Environment</i> , 2019, 678, 188-196.	3.9	105
29	To Eat or Not to Eat? Debris Selectivity by Marine Turtles. <i>PLoS ONE</i> , 2012, 7, e40884.	1.1	102
30	Comparison of marine debris data collected by researchers and citizen scientists: Is citizen science data worth the effort?. <i>Biological Conservation</i> , 2017, 208, 127-138.	1.9	102
31	Using Expert Opinion Surveys to Rank Threats to Endangered Species: A Case Study with Sea Turtles. <i>Conservation Biology</i> , 2010, 24, 1586-1595.	2.4	101
32	A quantitative analysis linking seabird mortality and marine debris ingestion. <i>Scientific Reports</i> , 2019, 9, 3202.	1.6	90
33	Understanding the sources and effects of abandoned, lost, and discarded fishing gear on marine turtles in northern Australia. <i>Conservation Biology</i> , 2015, 29, 198-206.	2.4	89
34	Coastal margins and backshores represent a major sink for marine debris: insights from a continental-scale analysis. <i>Environmental Research Letters</i> , 2020, 15, 074037.	2.2	89
35	Ghostnet impacts on globally threatened turtles, a spatial risk analysis for northern Australia. <i>Conservation Letters</i> , 2013, 6, 247-254.	2.8	88
36	The effect of feral cats on the population viability of black-vented shearwaters (<i>Puffinus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,62 Td (op	1.5	82

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37	Novel methods, new results and science-based solutions to tackle marine debris impacts on wildlife. <i>Ocean and Coastal Management</i> , 2015, 115, 4-9.	2.0	73
38	Bird demographic responses to predator removal programs. <i>Biological Invasions</i> , 2010, 12, 3839-3859.	1.2	71
39	Economic incentives reduce plastic inputs to the ocean. <i>Marine Policy</i> , 2018, 96, 250-255.	1.5	69
40	Compensatory mitigation as a solution to fisheries bycatchâ€“biodiversity conservation conflicts. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 325-331.	1.9	67
41	Stakeholder objective preferences in Australian Commonwealth managed fisheries. <i>Marine Policy</i> , 2009, 33, 750-758.	1.5	67
42	Costâ€“Effective Suppression and Eradication of Invasive Predators. <i>Conservation Biology</i> , 2008, 22, 89-98.	2.4	65
43	Abundance of Floating Plastic Particles Is Increasing in the Western North Atlantic Ocean. <i>Environmental Science & Technology</i> , 2020, 54, 790-796.	4.6	63
44	Is plastic ingestion in birds as toxic as we think? Insights from a plastic feeding experiment. <i>Science of the Total Environment</i> , 2019, 665, 660-667.	3.9	62
45	Protecting islands from pest invasion: optimal allocation of biosecurity resources between quarantine and surveillance. <i>Biological Conservation</i> , 2010, 143, 1068-1078.	1.9	59
46	Diversity, invasive species and extinctions in insular ecosystems. <i>Journal of Applied Ecology</i> , 2008, 45, 1114-1123.	1.9	58
47	THE ROLE OF HABITAT DISTURBANCE AND RECOVERY IN METAPOPULATION PERSISTENCE. <i>Ecology</i> , 2006, 87, 855-863.	1.5	55
48	How patch configuration affects the impact of disturbances on metapopulation persistence. <i>Theoretical Population Biology</i> , 2007, 72, 77-85.	0.5	55
49	Plastic pollution is killing marine megafauna, but how do we prioritize policies to reduce mortality?. <i>Conservation Letters</i> , 2021, 14, e12781.	2.8	55
50	Spatial fisheries management: A framework for multi-objective qualitative assessment. <i>Ocean and Coastal Management</i> , 2009, 52, 130-138.	2.0	54
51	Past and estimated future impact of invasive alien mammals on insular threatened vertebrate populations. <i>Nature Communications</i> , 2016, 7, 12488.	5.8	54
52	Connecting flux, deposition and resuspension in coastal debris surveys. <i>Science of the Total Environment</i> , 2018, 644, 1019-1026.	3.9	53
53	Ecological drivers of marine debris ingestion in Procellariiform Seabirds. <i>Scientific Reports</i> , 2019, 9, 916.	1.6	53
54	Understanding causes of gear loss provides a sound basis for fisheries management. <i>Marine Policy</i> , 2018, 96, 278-284.	1.5	50

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55	The Intersection Between Illegal Fishing, Crimes at Sea, and Social Well-Being. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	42
56	Habitat Selection and Population Regulation in Temporally Fluctuating Environments. <i>American Naturalist</i> , 2004, 164, E103-E114.	1.0	40
57	A biochemical approach for identifying plastics exposure in live wildlife. <i>Methods in Ecology and Evolution</i> , 2015, 6, 92-98.	2.2	40
58	Do Commercial Fishers Aggregate around Marine Reserves? Evidence from Big Creek Marine Ecological Reserve, Central California. <i>North American Journal of Fisheries Management</i> , 2003, 23, 241-250.	0.5	38
59	Detecting suspicious activities at sea based on anomalies in Automatic Identification Systems transmissions. <i>PLoS ONE</i> , 2018, 13, e0201640.	1.1	38
60	A global assessment of the relationship between anthropogenic debris on land and the seafloor. <i>Environmental Pollution</i> , 2020, 264, 114663.	3.7	37
61	Challenges and misperceptions around global fishing gear loss estimates. <i>Marine Policy</i> , 2021, 129, 104522.	1.5	37
62	Estimation of yellowfin tuna (<i>Thunnus albacares</i>) habitat in waters adjacent to Australia's East Coast: making the most of commercial catch data. <i>Fisheries Oceanography</i> , 2011, 20, 383-396.	0.9	36
63	Integrating invasive mammal eradications and biodiversity offsets for fisheries bycatch: conservation opportunities and challenges for seabirds and sea turtles. <i>Biological Invasions</i> , 2008, 10, 1053-1060.	1.2	35
64	Assessing opportunity and relocation costs of marine protected areas using a behavioural model of longline fleet dynamics. <i>Fish and Fisheries</i> , 2012, 13, 139-157.	2.7	34
65	Characteristics of marine debris that entangle Australian fur seals (<i>Arctocephalus pusillus</i>) Tj ETQq1 1 0.784314 rgBTj/Overlock 10 Tf 50	2.3	32
66	Translating the terrestrial mitigation hierarchy to marine megafauna bycatch. <i>Fish and Fisheries</i> , 2018, 19, 547-561.	2.7	32
67	Human Population Density is a Poor Predictor of Debris in the Environment. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	32
68	Determining trends and environmental drivers from long-term marine mammal and seabird data: examples from Southern Australia. <i>Regional Environmental Change</i> , 2015, 15, 197-209.	1.4	29
69	Evidence that predator satiation may restrict the spatial spread of a tussock moth (<i>Orgyia vetusta</i>) outbreak. <i>Oecologia</i> , 1995, 101, 309-316.	0.9	27
70	Flexible foraging behaviour in a marine predator, the Masked booby (<i>Sula dactylatra</i>), according to foraging locations and environmental conditions. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 463, 79-86.	0.7	26
71	Estimating illegal fishing from enforcement officers. <i>Scientific Reports</i> , 2020, 10, 12478.	1.6	26
72	Plastic, nutrition and pollution; relationships between ingested plastic and metal concentrations in the livers of two <i>Pachyptila</i> seabirds. <i>Scientific Reports</i> , 2020, 10, 18023.	1.6	25

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73	Re-Examining Mortality Sources and Population Trends in a Declining Seabird: Using Bayesian Methods to Incorporate Existing Information and New Data. PLoS ONE, 2013, 8, e58230.	1.1	24
74	The effect of density-dependent catastrophes on population persistence time. Journal of Applied Ecology, 2003, 40, 859-871.	1.9	23
75	Biodiversity Offsets: A Cost-Effective Interim Solution to Seabird Bycatch in Fisheries?. PLoS ONE, 2011, 6, e25762.	1.1	23
76	Fine scale patterns of migration and gene flow in the endangered mound spring snail, <i>Fonscochlea accepta</i> (Mollusca:Hydrobiidae) in arid Australia. Conservation Genetics, 2007, 8, 617-628.	0.8	22
77	Size of marine debris items ingested and retained by petrels. Marine Pollution Bulletin, 2019, 142, 569-575.	2.3	22
78	Socioeconomics effects on global hotspots of common debris items on land and the seafloor. Global Environmental Change, 2021, 71, 102360.	3.6	22
79	DO LIFE HISTORY TRAITS AFFECT THE ACCURACY OF DIFFUSION APPROXIMATIONS FOR MEAN TIME TO EXTINCTION?. , 2002, 12, 1163-1179.		21
80	A risk framework for tackling marine debris. Analytical Methods, 2017, 9, 1429-1436.	1.3	21
81	Characterizing transshipment at-sea activities by longline and purse seine fisheries in response to recent policy changes in Indonesia. Marine Policy, 2018, 95, 8-13.	1.5	21
82	Global Causes, Drivers, and Prevention Measures for Lost Fishing Gear. Frontiers in Marine Science, 2021, 8, .	1.2	21
83	A simple, rapid method for mapping bathymetry of small wetland basins. Journal of Hydrology, 2005, 301, 29-36.	2.3	20
84	Maximizing Return on Investment for Island Restoration and Species Conservation. Conservation Letters, 2015, 8, 171-179.	2.8	20
85	Potential impacts of climate change on the distribution of longline catches of yellowfin tuna (<i>Thunnus albacares</i>) in the Pacific Ocean. Fisheries Bulletin, 2011, 113, 235-245.	0.6	20
86	Cheap and Nasty? The Potential Perils of Using Management Costs to Identify Global Conservation Priorities. PLoS ONE, 2013, 8, e80893.	1.1	20
87	Shedding light on the dark side of maritime trade – A new approach for identifying countries as flags of convenience. Marine Policy, 2019, 99, 298-303.	1.5	19
88	Debt investment as a tool for value transfer in biodiversity conservation. Conservation Letters, 2009, 2, 233-239.	2.8	18
89	Catastrophic Floods May Pave the Way for Increased Genetic Diversity in Endemic Artesian Spring Snail Populations. PLoS ONE, 2011, 6, e28645.	1.1	18
90	Nonbreeding distribution of flesh-footed shearwaters and the potential for overlap with north Pacific fisheries. Biological Conservation, 2013, 166, 3-10.	1.9	17

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91	Japanese and Taiwanese pelagic longline fleet dynamics and the impacts of climate change in the southern Indian Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 140, 242-250.	0.6	16
92	Local waste management successfully reduces coastal plastic pollution. <i>One Earth</i> , 2022, 5, 666-676.	3.6	16
93	Mitigating undesirable impacts in the marine environment: a review of market-based management measures. <i>Frontiers in Marine Science</i> , 2015, 2, .	1.2	15
94	Biodegradable nets are not a panacea, but can contribute to addressing the ghost fishing problem. <i>Animal Conservation</i> , 2016, 19, 322-323.	1.5	15
95	Progress and challenges in eliminating illegal fishing. <i>Fish and Fisheries</i> , 2021, 22, 518-531.	2.7	15
96	Plastics in the Pacific: Assessing risk from ocean debris for marine birds in the California Current Large Marine Ecosystem. <i>Biological Conservation</i> , 2020, 250, 108743.	1.9	14
97	Disentangling the influence of taxa, behaviour and debris ingestion on seabird mortality. <i>Environmental Research Letters</i> , 2020, 15, 124071.	2.2	13
98	Dynamics of fish in Australian desert springs: role of large mammal disturbance. <i>Diversity and Distributions</i> , 2007, 13, 789-798.	1.9	12
99	Resolving estimation of movement in a vertically migrating pelagic fish: Does GPS provide a solution?. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 398, 9-17.	0.7	12
100	Risk sensitivity and the behaviour of fishing vessels. <i>Fish and Fisheries</i> , 2015, 16, 399-425.	2.7	12
101	The Need for Attention to Confirmation Bias and Confounding in the Field of Plastic Pollution and Wildlife Impacts: Comment on "Clinical Pathology of Plastic Ingestion in Marine Birds and Relationships with Blood Chemistry". <i>Environmental Science & Technology</i> , 2021, 55, 801-804.	4.6	12
102	Economic and conservation implications of a variable effort penalty system in effort-controlled fisheries. <i>Applied Economics</i> , 2013, 45, 3880-3890.	1.2	11
103	The Success of Water Refill Stations Reducing Single-Use Plastic Bottle Litter. <i>Sustainability</i> , 2019, 11, 5232.	1.6	11
104	Towards understanding the effects of oceanic plastic pollution on population growth for a South American fur seal (<i>Arctocephalus australis australis</i>) colony in Chile. <i>Environmental Pollution</i> , 2021, 279, 116881.	3.7	10
105	Environmental context and socio-economic status drive plastic pollution in Australian cities. <i>Environmental Research Letters</i> , 2022, 17, 045013.	2.2	10
106	Chasing the Fish Oil "Do Bunker Vessels Hold the Key to Fisheries Crime Networks?". <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	9
107	Loitering with intent "Catching the outlier vessels at sea. <i>PLoS ONE</i> , 2018, 13, e0200189.	1.1	9
108	Using expert elicitation to rank ecological indicators for detecting climate impacts on Australian seabirds and pinnipeds. <i>Ecological Indicators</i> , 2018, 95, 637-644.	2.6	7

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109	Abandoned, lost and discarded fishing gear “ghost nets”™ are increasing through time in Northern Australia. <i>Marine Pollution Bulletin</i> , 2021, 173, 112959.	2.3	7
110	Characterization of microsatellite loci in the endemic mound spring snail <i>Fonscochlea accepta</i> and cross species amplification in four other hydrobiid snails. <i>Molecular Ecology Notes</i> , 2005, 5, 205-207.	1.7	6
111	Multiple approaches to assessing the risk posed by anthropogenic plastic debris. <i>Marine Pollution Bulletin</i> , 2019, 141, 188-193.	2.3	6
112	Research on Seafood Fraud Deserves Better. <i>Conservation Letters</i> , 2017, 10, 783-785.	2.8	4
113	Comparing marine anthropogenic debris on inhabited mainland beaches, coastal islands, and uninhabited offshore islands: A case study from Queensland and the Coral Sea, Australia. <i>Marine Pollution Bulletin</i> , 2021, 172, 112919.	2.3	4
114	Bycatch rates in fisheries largely driven by variation in individual vessel behaviour. <i>Nature Sustainability</i> , 0, , .	11.5	4
115	Genetic variability and population diversity as revealed by microsatellites for Flesh-footed shearwaters (<i>Puffinus carneipes</i>) in the southern hemisphere. <i>Conservation Genetics Resources</i> , 2013, 5, 27-29.	0.4	3
116	Protecting islands from pest invasion: Response to Greenslade et al.. <i>Biological Conservation</i> , 2013, 157, 435-436.	1.9	2
117	Assessing multiple threats to seabird populations using flesh-footed shearwaters <i>Ardeanna carneipes</i> on Lord Howe Island, Australia as case study. <i>Scientific Reports</i> , 2021, 11, 7196.	1.6	2
118	Quantifying risk assessments for monitoring control and surveillance of illegal fishing. <i>ICES Journal of Marine Science</i> , 2022, 79, 1113-1119.	1.2	2
119	Incentivising change to beneficial ownership and open registers”Holding flag states responsible for their fleets and costs of illegal fishing. <i>Fish and Fisheries</i> , 0, , .	2.7	2
120	Compensatory mitigation: the authors reply. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 521-522.	1.9	0
121	Estimating Fishing Effort and Spatio-Temporal Distribution of Longline Vessels in the Indian Ocean. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	0