

Chris Wilcox

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

116
papers

11,618
citations

43
h-index

107
g-index

123
ext. papers

14,719
ext. citations

5.7
avg, IF

6.67
L-index

#	Paper	IF	Citations
116	Marine pollution. Plastic waste inputs from land into the ocean. <i>Science</i> , 2015 , 347, 768-71	33.3	4850
115	A global inventory of small floating plastic debris. <i>Environmental Research Letters</i> , 2015 , 10, 124006	6.2	746
114	State-space models of individual animal movement. <i>Trends in Ecology and Evolution</i> , 2008 , 23, 87-94	10.9	586
113	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, 11899-904	11.5	458
112	Plastic as a Persistent Marine Pollutant. <i>Annual Review of Environment and Resources</i> , 2017 , 42, 1-26	17.2	316
111	Marine plastic pollution in waters around Australia: characteristics, concentrations, and pathways. <i>PLoS ONE</i> , 2013 , 8, e80466	3.7	256
110	Millimeter-sized marine plastics: a new pelagic habitat for microorganisms and invertebrates. <i>PLoS ONE</i> , 2014 , 9, e100289	3.7	248
109	Global research priorities to mitigate plastic pollution impacts on marine wildlife. <i>Endangered Species Research</i> , 2014 , 25, 225-247	2.5	211
108	Global analysis of anthropogenic debris ingestion by sea turtles. <i>Conservation Biology</i> , 2014 , 28, 129-39	6	178
107	Precision of Population Viability Analysis. <i>Conservation Biology</i> , 2002 , 16, 258-261	6	146
106	Using expert elicitation to estimate the impacts of plastic pollution on marine wildlife. <i>Marine Policy</i> , 2016 , 65, 107-114	3.5	137
105	Presence-absence versus abundance data for monitoring threatened species. <i>Conservation Biology</i> , 2006 , 20, 1679-87	6	129
104	Challenges and emerging solutions to the land-based plastic waste issue in Africa. <i>Marine Policy</i> , 2018 , 96, 256-263	3.5	114
103	Uses and misuses of multicriteria decision analysis (MCDA) in environmental decision making. <i>Risk Analysis</i> , 2009 , 29, 26-33	3.9	108
102	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,	4.5	103
101	Microplastic Distribution at Different Sediment Depths in an Urban Estuary. <i>Frontiers in Marine Science</i> , 2017 , 4,	4.5	103
100	Risk analysis reveals global hotspots for marine debris ingestion by sea turtles. <i>Global Change Biology</i> , 2016 , 22, 567-76	11.4	95

99	FORUM: Perverse incentives risk undermining biodiversity offset policies. <i>Journal of Applied Ecology</i> , 2015 , 52, 532-537	5.8	94
98	Toward the Integrated Marine Debris Observing System. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	91
97	Mistaken identity? Visual similarities of marine debris to natural prey items of sea turtles. <i>BMC Ecology</i> , 2014 , 14, 14	2.7	89
96	A Global Mitigation Hierarchy for Nature Conservation. <i>BioScience</i> , 2018 , 68, 336-347	5.7	85
95	To eat or not to eat? Debris selectivity by marine turtles. <i>PLoS ONE</i> , 2012 , 7, e40884	3.7	81
94	Using expert opinion surveys to rank threats to endangered species: a case study with sea turtles. <i>Conservation Biology</i> , 2010 , 24, 1586-95	6	80
93	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	3.5	79
92	A quantitative analysis linking sea turtle mortality and plastic debris ingestion. <i>Scientific Reports</i> , 2018 , 8, 12536	4.9	78
91	Estimating quantities and sources of marine debris at a continental scale. <i>Frontiers in Ecology and the Environment</i> , 2017 , 15, 18-25	5.5	74
90	Differentiating littering, urban runoff and marine transport as sources of marine debris in coastal and estuarine environments. <i>Scientific Reports</i> , 2017 , 7, 44479	4.9	68
89	The effect of feral cats on the population viability of black-vented shearwaters (<i>Puffinus opisthomelas</i>) on Natividad Island, Mexico. <i>Animal Conservation</i> , 2002 , 5, 217-223	3.2	64
88	Stakeholder objective preferences in Australian Commonwealth managed fisheries. <i>Marine Policy</i> , 2009 , 33, 750-758	3.5	61
87	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	6	60
86	Bird demographic responses to predator removal programs. <i>Biological Invasions</i> , 2010 , 12, 3839-3859	2.7	60
85	Ghostnet impacts on globally threatened turtles, a spatial risk analysis for northern Australia. <i>Conservation Letters</i> , 2013 , 6, 247-254	6.9	59
84	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	6.2	59
83	Risk assessment of plastic pollution on marine diversity in the Mediterranean Sea. <i>Science of the Total Environment</i> , 2019 , 678, 188-196	10.2	58
82	Compensatory mitigation as a solution to fisheries bycatchBiodiversity conservation conflicts. <i>Frontiers in Ecology and the Environment</i> , 2007 , 5, 325-331	5.5	57

81	Microplastic Pollution in Deep-Sea Sediments From the Great Australian Bight. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	56
80	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	3.9	52
79	How patch configuration affects the impact of disturbances on metapopulation persistence. <i>Theoretical Population Biology</i> , 2007 , 72, 77-85	1.2	52
78	Diversity, invasive species and extinctions in insular ecosystems. <i>Journal of Applied Ecology</i> , 2008 , 45, 1114-1123	5.8	51
77	The role of habitat disturbance and recovery in metapopulation persistence. <i>Ecology</i> , 2006 , 87, 855-63	4.6	51
76	Protecting islands from pest invasion: optimal allocation of biosecurity resources between quarantine and surveillance. <i>Biological Conservation</i> , 2010 , 143, 1068-1078	6.2	47
75	Cost-effective suppression and eradication of invasive predators. <i>Conservation Biology</i> , 2008 , 22, 89-98	6	46
74	Economic incentives reduce plastic inputs to the ocean. <i>Marine Policy</i> , 2018 , 96, 250-255	3.5	45
73	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	6.2	43
72	Spatial fisheries management: A framework for multi-objective qualitative assessment. <i>Ocean and Coastal Management</i> , 2009 , 52, 130-138	3.9	43
71	A quantitative analysis linking seabird mortality and marine debris ingestion. <i>Scientific Reports</i> , 2019 , 9, 3202	4.9	43
70	Past and estimated future impact of invasive alien mammals on insular threatened vertebrate populations. <i>Nature Communications</i> , 2016 , 7, 12488	17.4	40
69	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	6	40
68	Connecting flux, deposition and resuspension in coastal debris surveys. <i>Science of the Total Environment</i> , 2018 , 644, 1019-1026	10.2	37
67	Habitat selection and population regulation in temporally fluctuating environments. <i>American Naturalist</i> , 2004 , 164, E103-14	3.7	36
66	A biochemical approach for identifying plastics exposure in live wildlife. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 92-98	7.7	34
65	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 ¹	5.1	33
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	6	32

63	Ecological drivers of marine debris ingestion in Procellariiform Seabirds. <i>Scientific Reports</i> , 2019 , 9, 916	4.9	30
62	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	2.7	30
61	Abundance of Floating Plastic Particles Is Increasing in the Western North Atlantic Ocean. <i>Environmental Science & Technology</i> , 2020 , 54, 790-796	10.3	29
60	Characteristics of marine debris that entangle Australian fur seals (<i>Arctocephalus pusillus doriferus</i>) in southern Australia. <i>Marine Pollution Bulletin</i> , 2015 , 98, 354-7	6.7	27
59	Understanding causes of gear loss provides a sound basis for fisheries management. <i>Marine Policy</i> , 2018 , 96, 278-284	3.5	25
58	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	2.4	25
57	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	2.9	25
56	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	4.3	24
55	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	10.2	22
54	Re-examining mortality sources and population trends in a declining seabird: using Bayesian methods to incorporate existing information and new data. <i>PLoS ONE</i> , 2013 , 8, e58230	3.7	21
53	Fine scale patterns of migration and gene flow in the endangered mound spring snail, <i>Fonscochlea accepta</i> (Mollusca:Hydrobiidae) in arid Australia. <i>Conservation Genetics</i> , 2007 , 8, 617-628	2.6	21
52	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	2.1	20
51	Maximizing Return on Investment for Island Restoration and Species Conservation. <i>Conservation Letters</i> , 2015 , 8, 171-179	6.9	20
50	The effect of density-dependent catastrophes on population persistence time. <i>Journal of Applied Ecology</i> , 2003 , 40, 859-871	5.8	20
49	A global assessment of the relationship between anthropogenic debris on land and the seafloor. <i>Environmental Pollution</i> , 2020 , 264, 114663	9.3	19
48	Translating the terrestrial mitigation hierarchy to marine megafauna by-catch. <i>Fish and Fisheries</i> , 2018 , 19, 547-561	6	19
47	Biodiversity offsets: a cost-effective interim solution to seabird bycatch in fisheries?. <i>PLoS ONE</i> , 2011 , 6, e25762	3.7	19
46	A risk framework for tackling marine debris. <i>Analytical Methods</i> , 2017 , 9, 1429-1436	3.2	18

45	DO LIFE HISTORY TRAITS AFFECT THE ACCURACY OF DIFFUSION APPROXIMATIONS FOR MEAN TIME TO EXTINCTION? 2002 , 12, 1163-1179		18
44	Potential impacts of climate change on the distribution of longline catches of yellowfin tuna (<i>Thunnus albacares</i>) in the Tasman sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015 , 113, 235-245	2.3	17
43	Cheap and nasty? The potential perils of using management costs to identify global conservation priorities. <i>PLoS ONE</i> , 2013 , 8, e80893	3.7	17
42	A simple, rapid method for mapping bathymetry of small wetland basins. <i>Journal of Hydrology</i> , 2005 , 301, 29-36	6	16
41	Detecting suspicious activities at sea based on anomalies in Automatic Identification Systems transmissions. <i>PLoS ONE</i> , 2018 , 13, e0201640	3.7	16
40	Nonbreeding distribution of flesh-footed shearwaters and the potential for overlap with north Pacific fisheries. <i>Biological Conservation</i> , 2013 , 166, 3-10	6.2	15
39	Catastrophic floods may pave the way for increased genetic diversity in endemic artesian spring snail populations. <i>PLoS ONE</i> , 2011 , 6, e28645	3.7	14
38	Risk sensitivity and the behaviour of fishing vessels. <i>Fish and Fisheries</i> , 2015 , 16, 399-425	6	12
37	Mitigating undesirable impacts in the marine environment: a review of market-based management measures. <i>Frontiers in Marine Science</i> , 2015 , 2,	4.5	12
36	Characterizing transshipment at-sea activities by longline and purse seine fisheries in response to recent policy changes in Indonesia. <i>Marine Policy</i> , 2018 , 95, 8-13	3.5	11
35	Economic and conservation implications of a variable effort penalty system in effort-controlled fisheries. <i>Applied Economics</i> , 2013 , 45, 3880-3890	1.6	11
34	Debt investment as a tool for value transfer in biodiversity conservation. <i>Conservation Letters</i> , 2009 , 2, 233-239	6.9	11
33	Shedding light on the dark side of maritime trade A new approach for identifying countries as flags of convenience. <i>Marine Policy</i> , 2019 , 99, 298-303	3.5	11
32	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	2.3	10
31	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	2.1	10
30	The Intersection Between Illegal Fishing, Crimes at Sea, and Social Well-Being. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	10
29	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	4.9	10
28	Challenges and misperceptions around global fishing gear loss estimates. <i>Marine Policy</i> , 2021 , 129, 104533	3.3	10

27	Plastic pollution is killing marine megafauna, but how do we prioritize policies to reduce mortality?. <i>Conservation Letters</i> , 2021 , 14, e12781	6.9	10
26	Size of marine debris items ingested and retained by petrels. <i>Marine Pollution Bulletin</i> , 2019 , 142, 569-576	5.7	9
25	Estimating illegal fishing from enforcement officers. <i>Scientific Reports</i> , 2020 , 10, 12478	4.9	8
24	Human Population Density is a Poor Predictor of Debris in the Environment. <i>Frontiers in Environmental Science</i> , 2021 , 9, 102360	4.8	8
23	Dynamics of fish in Australian desert springs: role of large-mammal disturbance. <i>Diversity and Distributions</i> , 2007 , 13, 789-798	5	7
22	Socioeconomics effects on global hotspots of common debris items on land and the seafloor. <i>Global Environmental Change</i> , 2021 , 71, 102360	10.1	7
21	The Success of Water Refill Stations Reducing Single-Use Plastic Bottle Litter. <i>Sustainability</i> , 2019 , 11, 5232	3.6	6
20	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		6
19	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	6.2	6
18	Biodegradable nets are not a panacea, but can contribute to addressing the ghost fishing problem. <i>Animal Conservation</i> , 2016 , 19, 322-323	3.2	6
17	Using expert elicitation to rank ecological indicators for detecting climate impacts on Australian seabirds and pinnipeds. <i>Ecological Indicators</i> , 2018 , 95, 637-644	5.8	5
16	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	9.3	4
15	Chasing the Fish Oil: Do Bunker Vessels Hold the Key to Fisheries Crime Networks?. <i>Frontiers in Marine Science</i> , 2018 , 5, 102360	4.5	4
14	Research on Seafood Fraud Deserves Better. <i>Conservation Letters</i> , 2017 , 10, 783-785	6.9	3
13	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	10.3	3
12	Progress and challenges in eliminating illegal fishing. <i>Fish and Fisheries</i> , 2021 , 22, 518-531	6	3
11	Multiple approaches to assessing the risk posed by anthropogenic plastic debris. <i>Marine Pollution Bulletin</i> , 2019 , 141, 188-193	6.7	3
10	Loitering with intent-Catching the outlier vessels at sea. <i>PLoS ONE</i> , 2018 , 13, e0200189	3.7	2

9	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	0.8	2
8	Disentangling the influence of taxa, behaviour and debris ingestion on seabird mortality. <i>Environmental Research Letters</i> , 2020 , 15, 124071	6.2	2
7	Global Causes, Drivers, and Prevention Measures for Lost Fishing Gear. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.5	2
6	Protecting islands from pest invasion: Response to Greenslade et al.. <i>Biological Conservation</i> , 2013 , 157, 435-436	6.2	1
5	Assessing multiple threats to seabird populations using flesh-footed shearwaters <i>Ardenna carneipes</i> on Lord Howe Island, Australia as case study. <i>Scientific Reports</i> , 2021 , 11, 7196	4.9	1
4	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	6.7	1
3	Abandoned, lost and discarded fishing gear 'ghost nets' are increasing through time in Northern Australia. <i>Marine Pollution Bulletin</i> , 2021 , 173, 112959	6.7	0
2	Environmental context and socio-economic status drive plastic pollution in Australian cities. <i>Environmental Research Letters</i> , 2022 , 17, 045013	6.2	0
1	Compensatory mitigation: the authors reply. <i>Frontiers in Ecology and the Environment</i> , 2007 , 5, 521-522	5.5	