

Douglas J Mccauley

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.

78
papers

4,410
citations

30
h-index

66
g-index

80
ext. papers

5,658
ext. citations

10.5
avg, IF

5.93
L-index

#	Paper	IF	Citations
78	Marine defaunation: animal loss in the global ocean. <i>Science</i> , 2015 , 347, 1255641	33.3	653
77	Selling out on nature. <i>Nature</i> , 2006 , 443, 27-8	50.4	531
76	Nutrition: Fall in fish catch threatens human health. <i>Nature</i> , 2016 , 534, 317-20	50.4	306
75	Marine reserves can mitigate and promote adaptation to climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6167-6175	11.5	282
74	Greater vulnerability to warming of marine versus terrestrial ectotherms. <i>Nature</i> , 2019 , 569, 108-111	50.4	228
73	Patterns, Causes, and Consequences of Anthropocene Defaunation. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2016 , 47, 333-358	13.5	205
72	Herbivore-initiated interaction cascades and their modulation by productivity in an African savanna. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 193-7	11.5	166
71	Extinction risk is most acute for the world's largest and smallest vertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10678-10683	11.5	135
70	MARINE GOVERNANCE. Ending hide and seek at sea. <i>Science</i> , 2016 , 351, 1148-50	33.3	128
69	Ecological selectivity of the emerging mass extinction in the oceans. <i>Science</i> , 2016 , 353, 1284-6	33.3	99
68	Megafaunal Impacts on Structure and Function of Ocean Ecosystems. <i>Annual Review of Environment and Resources</i> , 2016 , 41, 83-116	17.2	93
67	Conservation policy. Wildlife decline and social conflict. <i>Science</i> , 2014 , 345, 376-8	33.3	91
66	Declines in large wildlife increase landscape-level prevalence of rodent-borne disease in Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7036-41	11.5	83
65	Vulnerabilities and fisheries impacts: the uncertain future of manta and devil rays. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016 , 26, 562-575	2.6	78
64	Effects of mammalian herbivore declines on plant communities: observations and experiments in an African savanna. <i>Journal of Ecology</i> , 2013 , 101, 1030-1041	6	74
63	From wing to wing: the persistence of long ecological interaction chains in less-disturbed ecosystems. <i>Scientific Reports</i> , 2012 , 2, 409	4.9	72
62	Assessing the effectiveness of a large marine protected area for reef shark conservation. <i>Biological Conservation</i> , 2017 , 207, 64-71	6.2	71

61	Plants cause ecosystem nutrient depletion via the interruption of bird-derived spatial subsidies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2072-7	11.5	66
60	Indirect effects of large herbivores on snakes in an African savanna. <i>Ecology</i> , 2006 , 87, 2657-63	4.6	60
59	Addressing Criticisms of Large-Scale Marine Protected Areas. <i>BioScience</i> , 2018 , 68, 359-370	5.7	53
58	Carbon stable isotopes suggest that hippopotamus-vectored nutrients subsidize aquatic consumers in an East African river. <i>Ecosphere</i> , 2015 , 6, 1-11	3.1	50
57	On the prevalence and dynamics of inverted trophic pyramids and otherwise top-heavy communities. <i>Ecology Letters</i> , 2018 , 21, 439-454	10	48
56	Empowering high seas governance with satellite vessel tracking data. <i>Fish and Fisheries</i> , 2018 , 19, 729-739		47
55	Evaluating the performance of methods for estimating the abundance of rapidly declining coastal shark populations 2012 , 22, 385-92		43
54	Resetting predator baselines in coral reef ecosystems. <i>Scientific Reports</i> , 2017 , 7, 43131	4.9	40
53	Scenarios for Global Aquaculture and Its Role in Human Nutrition. <i>Reviews in Fisheries Science and Aquaculture</i> , 2021 , 29, 122-138	8.3	37
52	Digital nature: Are field trips a thing of the past?. <i>Science</i> , 2017 , 358, 298-300	33.3	32
51	Wealthy countries dominate industrial fishing. <i>Science Advances</i> , 2018 , 4, eaau2161	14.3	32
50	Effects of the hippopotamus on the chemistry and ecology of a changing watershed. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E5028-E5037	11.5	31
49	Reliance of mobile species on sensitive habitats: a case study of manta rays (<i>Manta alfredi</i>) and lagoons. <i>Marine Biology</i> , 2014 , 161, 1987-1998	2.5	30
48	The roles of productivity and ecosystem size in determining food chain length in tropical terrestrial ecosystems. <i>Ecology</i> , 2013 , 94, 692-701	4.6	29
47	Interacting effects of land use and climate on rodent-borne pathogens in central Kenya. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	28
46	Data-driven approach for highlighting priority areas for protection in marine areas beyond national jurisdiction. <i>Marine Policy</i> , 2020 , 122, 103927	3.5	24
45	Effects of land use on plague (<i>Yersinia pestis</i>) activity in rodents in Tanzania. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015 , 92, 776-83	3.2	24
44	Effects of the removal of large herbivores on fleas of small mammals. <i>Journal of Vector Ecology</i> , 2008 , 33, 263-8	1.5	24

43	Migration in the Anthropocene: how collective navigation, environmental system and taxonomy shape the vulnerability of migratory species. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	23
42	A mammoth undertaking: harnessing insight from functional ecology to shape de-extinction priority setting. <i>Functional Ecology</i> , 2017 , 31, 1003-1011	5.6	22
41	Drivers of Intensity and Prevalence of Flea Parasitism on Small Mammals in East African Savanna Ecosystems. <i>Journal of Parasitology</i> , 2015 , 101, 327-35	0.9	21
40	Assessing the significance of global and local correlations under spatial autocorrelation: a nonparametric approach. <i>Biometrics</i> , 2014 , 70, 409-18	1.8	21
39	Night shift: expansion of temporal niche use following reductions in predator density. <i>PLoS ONE</i> , 2012 , 7, e38871	3.7	21
38	Herbivores at the highest risk of extinction among mammals, birds, and reptiles. <i>Science Advances</i> , 2020 , 6, eabb8458	14.3	21
37	Growth and life history variability of the grey reef shark (<i>Carcharhinus amblyrhynchos</i>) across its range. <i>PLoS ONE</i> , 2017 , 12, e0172370	3.7	20
36	Positive and negative effects of a threatened parrotfish on reef ecosystems. <i>Conservation Biology</i> , 2014 , 28, 1312-21	6	20
35	Conservation at the edges of the world. <i>Biological Conservation</i> , 2013 , 165, 139-145	6.2	20
34	Effects of spatial subsidies and habitat structure on the foraging ecology and size of geckos. <i>PLoS ONE</i> , 2012 , 7, e41364	3.7	19
33	Differential plant damage due to litterfall in palm-dominated forest stands in a Central Pacific atoll. <i>Journal of Tropical Ecology</i> , 2014 , 30, 231-236	1.3	15
32	The coconut palm, <i>Cocos nucifera</i> , impacts forest composition and soil characteristics at Palmyra Atoll, Central Pacific. <i>Journal of Vegetation Science</i> , 2010 , 21, 1058-1068	3.1	14
31	Large wildlife removal drives immune defence increases in rodents. <i>Functional Ecology</i> , 2016 , 30, 799-807	3.6	13
30	Diverse effects of the common hippopotamus on plant communities and soil chemistry. <i>Oecologia</i> , 2018 , 188, 821-835	2.9	13
29	Consumer preference for seeds and seedlings of rare species impacts tree diversity at multiple scales. <i>Oecologia</i> , 2013 , 172, 857-67	2.9	11
28	An Observation of Mating in Free-Ranging Blacktip Reef Sharks, <i>Carcharhinus melanopterus</i> . <i>Pacific Science</i> , 2010 , 64, 349-352	0.9	11
27	WTO must ban harmful fisheries subsidies. <i>Science</i> , 2021 , 374, 544	33.3	11
26	Differential responses to guano fertilization among tropical tree species with varying functional traits. <i>American Journal of Botany</i> , 2011 , 98, 207-14	2.7	10

25	Fisheries-induced selection against schooling behaviour in marine fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20201752	4.4	9
24	Leveraging satellite technology to create true shark sanctuaries. <i>Conservation Letters</i> , 2019 , 12, e12610	6.9	9
23	Social-ecological traps link food systems to nutritional outcomes. <i>Global Food Security</i> , 2021 , 30, 1005618	3	9
22	Invasive plant <i>Arundo donax</i> alters habitat use by carnivores. <i>Biological Invasions</i> , 2020 , 22, 1983-1995	2.7	8
21	Use of high-resolution acoustic cameras to study reef shark behavioral ecology. <i>Journal of Experimental Marine Biology and Ecology</i> , 2016 , 482, 128-133	2.1	8
20	Tracking the response of industrial fishing fleets to large marine protected areas in the Pacific Ocean. <i>Conservation Biology</i> , 2020 , 34, 1571-1578	6	8
19	Spatial ecology of male hippopotamus in a changing watershed. <i>Scientific Reports</i> , 2019 , 9, 15392	4.9	8
18	Dermal denticle assemblages in coral reef sediments correlate with conventional shark surveys. <i>Methods in Ecology and Evolution</i> , 2020 , 11, 362-375	7.7	7
17	Quantifying coconut palm extent on Pacific islands using spectral and textural analysis of very high resolution imagery. <i>International Journal of Remote Sensing</i> , 2019 , 40, 7329-7355	3.1	6
16	Boundary spanning among research and policy communities to address the emerging industrial revolution in the ocean. <i>Environmental Science and Policy</i> , 2020 , 104, 73-81	6.2	6
15	Protect high seas biodiversity. <i>Science</i> , 2021 , 372, 1048-1049	33.3	6
14	Hippopotamus dung inputs accelerate fish predation by terrestrial consumers. <i>African Journal of Ecology</i> , 2018 , 56, 1034-1038	0.8	5
13	Limited trophic partitioning among sympatric delphinids off a tropical oceanic atoll. <i>PLoS ONE</i> , 2017 , 12, e0181526	3.7	5
12	First records of the sicklefin lemon shark, <i>Negaprion acutidens</i> , at Palmyra Atoll, central Pacific: a recent colonization event?. <i>Marine Biodiversity Records</i> , 2014 , 7,	2	3
11	Fossil dermal denticles reveal the preexploitation baseline of a Caribbean coral reef shark community. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
10	The worth of giants: The consumptive and non-consumptive use value of the giant sea bass (<i>Stereolepis gigas</i>). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2018 , 28, 296-304	2.6	1
9	Conservation: smart advocacy needs data. <i>Nature</i> , 2016 , 540, 38	50.4	1
8	Reply to Kalinkat et al.: Smallest terrestrial vertebrates are highly imperiled. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E10265	11.5	1

7	Fishing for good news. <i>Science</i> , 2007 , 316, 200-1; author reply 200-1	33.3	1
6	Hippopotamus movements structure the spatiotemporal dynamics of an active anthrax outbreak. <i>Ecosphere</i> , 2021 , 12, e03540	3.1	1
5	Impacts of rodent eradication on seed predation and plant community biomass on a tropical atoll. <i>Biotropica</i> , 2021 , 53, 232-242	2.3	1
4	Effects of human-altered landscapes on a reintroduced ungulate: Patterns of habitat selection at the rangeland-wildland interface. <i>Biological Conservation</i> , 2021 , 257, 109086	6.2	0
3	Chemistry of the consumption and excretion of the bumphead parrotfish (<i>Bolbometopon muricatum</i>), a coral reef mega-consumer. <i>Coral Reefs</i> , 2019 , 38, 347-357	4.2	
2	Reply to Pincheira-Donoso and Hodgson: Both the largest and smallest vertebrates have elevated extinction risk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E5847-E5848	11.5	
1	Differential plant damage due to litterfall in palm-dominated forest stands in a Central Pacific atoll <u>✉</u> CORRIGENDUM. <i>Journal of Tropical Ecology</i> , 2015 , 31, 573-573	1.3	