

Christopher J Brown

List of Publications by Year in Descending Order

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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.

96
papers

6,483
citations

33
h-index

80
g-index

102
ext. papers

8,184
ext. citations

7.8
avg, IF

5.96
L-index

#	Paper	IF	Citations
96	Linking historical fishing pressure to biodiversity outcomes to predict spatial variation in Marine Protected Area performance. <i>Marine Policy</i> , 2022 , 139, 105024	3.5	0
95	Ambitious global targets for mangrove and seagrass recovery.. <i>Current Biology</i> , 2022 ,	6.3	2
94	Interactions among multiple stressors vary with exposure duration and biological response.. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022 , 289, 20220348	4.4	2
93	Individual and combined effects of diuron and light reduction on marine microalgae. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 241, 113729	7	0
92	Anthropogenic pressures and life history predict trajectories of seagrass meadow extent at a global scale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6
91	Future carbon emissions from global mangrove forest loss. <i>Global Change Biology</i> , 2021 , 27, 2856-2866	11.4	27
90	Automatic detection of fish and tracking of movement for ecology. <i>Ecology and Evolution</i> , 2021 , 11, 8254-8263	7	7
89	Long-term declines and recovery of meadow area across the world's seagrass bioregions. <i>Global Change Biology</i> , 2021 , 27, 4096-4109	11.4	33
88	Combined impacts of photosystem II-inhibiting herbicides and light availability on seagrass and marine microalgae. <i>Marine Ecology - Progress Series</i> , 2021 , 668, 215-230	2.6	2
87	The slow rise of technology: Computer vision techniques in fish population connectivity. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021 , 31, 210-217	2.6	5
86	Direct and indirect effects of heatwaves on a coral reef fishery. <i>Global Change Biology</i> , 2021 , 27, 1214-1225	11.4	5
85	Marine and coastal ecosystem-based adaptation in Asia and Oceania: review of approaches and integration with marine spatial planning. <i>Pacific Conservation Biology</i> , 2021 , 27, 104	1.2	3
84	Disturbance type determines how connectivity shapes ecosystem resilience. <i>Scientific Reports</i> , 2021 , 11, 1188	4.9	2
83	Opportunities for improving recognition of coastal wetlands in global ecosystem assessment frameworks. <i>Ecological Indicators</i> , 2021 , 126, 107694	5.8	5
82	Remote estimation of aquatic light environments using machine learning: A new management tool for submerged aquatic vegetation. <i>Science of the Total Environment</i> , 2021 , 782, 146886	10.2	1
81	Electronic monitoring for improved accountability in western Pacific tuna longline fisheries. <i>Marine Policy</i> , 2021 , 132, 104664	3.5	2
80	Global typologies of coastal wetland status to inform conservation and management. <i>Ecological Indicators</i> , 2021 , 131, 108141	5.8	1

79	Multi-scale estimation of the effects of pressures and drivers on mangrove forest loss globally. <i>Biological Conservation</i> , 2020 , 247, 108637	6.2	11
78	Integrating outcomes of IUCN red list of ecosystems assessments for connected coastal wetlands. <i>Ecological Indicators</i> , 2020 , 116, 106489	5.8	11
77	Metabolomic indicators for low-light stress in seagrass. <i>Ecological Indicators</i> , 2020 , 114, 106316	5.8	3
76	Automating the Analysis of Fish Abundance Using Object Detection: Optimizing Animal Ecology With Deep Learning. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	36
75	Global trends in mangrove forest fragmentation. <i>Scientific Reports</i> , 2020 , 10, 7117	4.9	67
74	Linking threat maps with management to guide conservation investment. <i>Biological Conservation</i> , 2020 , 245, 108527	6.2	16
73	Salmon abundance and patterns of forest greenness as measured by satellite imagery. <i>Science of the Total Environment</i> , 2020 , 725, 138448	10.2	1
72	Saltmarsh grass supports fishery food webs in subtropical Australian estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 2020 , 238, 106719	2.9	8
71	China's Belt and Road Initiative: Conservation opportunities for threatened marine species and habitats. <i>Marine Policy</i> , 2020 , 112, 103791	3.5	10
70	Being Well-Connected Pays in a Disturbed World: Enhanced Herbivory in Better-Linked Habitats. <i>Diversity</i> , 2020 , 12, 424	2.5	1
69	Artificial Intelligence Meets Citizen Science to Supercharge Ecological Monitoring. <i>Patterns</i> , 2020 , 1, 100109	5.1	12
68	Dependency of Queensland and the Great Barrier Reef's tropical fisheries on reef-associated fish. <i>Scientific Reports</i> , 2020 , 10, 17801	4.9	3
67	Impact of water development on river flows and the catch of a commercial marine fishery. <i>Ecosphere</i> , 2020 , 11, e03194	3.1	8
66	Critical gaps in seagrass protection reveal the need to address multiple pressures and cumulative impacts. <i>Ocean and Coastal Management</i> , 2020 , 183, 104946	3.9	34
65	VoCC: An R package for calculating the velocity of climate change and related climatic metrics. <i>Methods in Ecology and Evolution</i> , 2019 , 10, 2195-2202	7.7	13
64	The Role of Vegetated Coastal Wetlands for Marine Megafauna Conservation. <i>Trends in Ecology and Evolution</i> , 2019 , 34, 807-817	10.9	59
63	Future recovery of baleen whales is imperiled by climate change. <i>Global Change Biology</i> , 2019 , 25, 1263	11.4	51
62	Community-based management fails to halt declines of bumphead parrotfish and humphead wrasse in Roviana Lagoon, Solomon Islands. <i>Coral Reefs</i> , 2019 , 38, 455-465	4.2	16

61	Life-history traits inform population trends when assessing the conservation status of a declining tiger shark population. <i>Biological Conservation</i> , 2019 , 239, 108230	6.2	4
60	Habitat complexity influences the structure of food webs in Great Barrier Reef seagrass meadows. <i>Ecosphere</i> , 2019 , 10, e02928	3.1	8
59	Bottom boundary layer cooling and wind-driven upwelling enhance the catchability of spanner crab (<i>Ranina ranina</i>) in South-East Queensland, Australia. <i>Fisheries Oceanography</i> , 2019 , 28, 317-326	2.4	3
58	The assessment of fishery status depends on fish habitats. <i>Fish and Fisheries</i> , 2019 , 20, 1-14	6	37
57	A guide to modelling priorities for managing land-based impacts on coastal ecosystems. <i>Journal of Applied Ecology</i> , 2019 , 56, 1106-1116	5.8	17
56	Quantifying learning in biotracer studies. <i>Oecologia</i> , 2018 , 187, 597-608	2.9	6
55	Estimating the footprint of pollution on coral reefs with models of species turnover. <i>Conservation Biology</i> , 2018 , 32, 949-958	6	8
54	Climate Velocity Can Inform Conservation in a Warming World. <i>Trends in Ecology and Evolution</i> , 2018 , 33, 441-457	10.9	66
53	From Marxan to management: ocean zoning with stakeholders for Tun Mustapha Park in Sabah, Malaysia. <i>Oryx</i> , 2018 , 52, 775-786	1.5	22
52	Managing consequences of climate-driven species redistribution requires integration of ecology, conservation and social science. <i>Biological Reviews</i> , 2018 , 93, 284-305	13.5	91
51	A habitat-based approach to predict impacts of marine protected areas on fishers. <i>Conservation Biology</i> , 2018 , 32, 1096-1106	6	11
50	Impacts of fishing, river flow and connectivity loss on the conservation of a migratory fish population. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2018 , 28, 45-54	2.6	8
49	Trade-offs in triple-bottom-line outcomes when recovering fisheries. <i>Fish and Fisheries</i> , 2018 , 19, 107-116		4
48	Ecosystem modelling to quantify the impact of historical whaling on Southern Hemisphere baleen whales. <i>Fish and Fisheries</i> , 2018 , 19, 117-137	6	36
47	Functional changes in reef systems in warmer seas: Asymmetrical effects of altered grazing by a widespread crustacean mesograzer. <i>Science of the Total Environment</i> , 2018 , 644, 976-981	10.2	2
46	Ecosystem restructuring along the Great Barrier Reef following mass coral bleaching. <i>Nature</i> , 2018 , 560, 92-96	50.4	127
45	Avoided emissions and conservation of scrub mangroves: potential for a Blue Carbon project in the Gulf of California, Mexico. <i>Biology Letters</i> , 2018 , 14, 20180400	3.6	14
44	Decline of coastal apex shark populations over the past half century. <i>Communications Biology</i> , 2018 , 1, 223	6.7	56

43	The cost of enforcing a marine protected area to achieve ecological targets for the recovery of fish biomass. <i>Biological Conservation</i> , 2018 , 227, 259-265	6.2	11
42	Logging degrades nursery habitat for an iconic coral reef fish. <i>Biological Conservation</i> , 2017 , 210, 273-286.	6.2	55
41	Impact of anthropogenic disturbances on a diverse riverine fish assemblage in Fiji predicted by functional traits. <i>Freshwater Biology</i> , 2017 , 62, 1422-1432	3.1	6
40	Climate change decouples marine and freshwater habitats of a threatened migratory fish. <i>Diversity and Distributions</i> , 2017 , 23, 751-760	5	9
39	Tracing the influence of land-use change on water quality and coral reefs using a Bayesian model. <i>Scientific Reports</i> , 2017 , 7, 4740	4.9	31
38	Species traits and connectivity constrain stochastic community re-assembly. <i>Scientific Reports</i> , 2017 , 7, 14424	4.9	3
37	Human impacts on connectivity in marine and freshwater ecosystems assessed using graph theory: a review. <i>Marine and Freshwater Research</i> , 2016 , 67, 277	2.2	33
36	Climate velocity and the future global redistribution of marine biodiversity. <i>Nature Climate Change</i> , 2016 , 6, 83-88	21.4	265
35	Improving conservation outcomes for coral reefs affected by future oil palm development in Papua New Guinea. <i>Biological Conservation</i> , 2016 , 203, 43-54	6.2	27
34	Uniting paradigms of connectivity in marine ecology. <i>Ecology</i> , 2016 , 97, 2447-2457	4.6	23
33	Interactions among ecosystem stressors and their importance in conservation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	337
32	Responses of Marine Organisms to Climate Change across Oceans. <i>Frontiers in Marine Science</i> , 2016 , 3,	4.5	369
31	Where Does River Runoff Matter for Coastal Marine Conservation?. <i>Frontiers in Marine Science</i> , 2016 , 3,	4.5	17
30	Ecological and methodological drivers of species distribution and phenology responses to climate change. <i>Global Change Biology</i> , 2016 , 22, 1548-60	11.4	113
29	Social, economic and environmental effects of closing commercial fisheries to enhance recreational fishing. <i>Marine Policy</i> , 2016 , 73, 204-209	3.5	15
28	Using threat maps for cost-effective prioritization of actions to conserve coastal habitats. <i>Marine Policy</i> , 2015 , 61, 95-102	3.5	21
27	Effective conservation requires clear objectives and prioritizing actions, not places or species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4342	11.5	46
26	Strengthening confidence in climate change impact science. <i>Global Ecology and Biogeography</i> , 2015 , 24, 64-76	6.1	33

25	Minimizing the Short-Term Impacts of Marine Reserves on Fisheries While Meeting Long-Term Goals for Recovery. <i>Conservation Letters</i> , 2015 , 8, 180-189	6.9	20
24	Anticipative management for coral reef ecosystem services in the 21st century. <i>Global Change Biology</i> , 2015 , 21, 504-14	11.4	81
23	Fisheries and biodiversity benefits of using static versus dynamic models for designing marine reserve networks. <i>Ecosphere</i> , 2015 , 6, art182	3.1	22
22	Shortfalls in the global protected area network at representing marine biodiversity. <i>Scientific Reports</i> , 2015 , 5, 17539	4.9	99
21	Modes of interactions between environmental drivers and marine biota. <i>Frontiers in Marine Science</i> , 2015 , 2,	4.5	33
20	Geographical limits to species-range shifts are suggested by climate velocity. <i>Nature</i> , 2014 , 507, 492-5	50.4	343
19	Unintended cultivation, shifting baselines, and conflict between objectives for fisheries and conservation. <i>Conservation Biology</i> , 2014 , 28, 677-88	6	22
18	Interactions between global and local stressors of ecosystems determine management effectiveness in cumulative impact mapping. <i>Diversity and Distributions</i> , 2014 , 20, 538-546	5	80
17	Trade-offs between fisheries and the conservation of ecosystem function are defined by management strategy. <i>Frontiers in Ecology and the Environment</i> , 2014 , 12, 324-329	5.5	19
16	Interdependency of tropical marine ecosystems in response to climate change. <i>Nature Climate Change</i> , 2014 , 4, 724-729	21.4	60
15	Global imprint of climate change on marine life. <i>Nature Climate Change</i> , 2013 , 3, 919-925	21.4	1141
14	Impacts of depleting forage species in the California Current. <i>Environmental Conservation</i> , 2013 , 40, 380-393	3.9	50
13	Achieving the triple bottom line in the face of inherent trade-offs among social equity, economic return, and conservation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6229-34	11.5	173
12	Managing for interactions between local and global stressors of ecosystems. <i>PLoS ONE</i> , 2013 , 8, e65765	3.7	160
11	The value of coordinated management of interacting ecosystem services. <i>Ecology Letters</i> , 2012 , 15, 509-10		28
10	How long can fisheries management delay action in response to ecosystem and climate change? 2012 , 22, 298-310		38
9	Climate change and marine life. <i>Biology Letters</i> , 2012 , 8, 907-9	3.6	50
8	Impacts of fishing low-trophic level species on marine ecosystems. <i>Science</i> , 2011 , 333, 1147-50	33.3	405

7	The pace of shifting climate in marine and terrestrial ecosystems. <i>Science</i> , 2011 , 334, 652-5	33.3	852
6	Quantitative approaches in climate change ecology. <i>Global Change Biology</i> , 2011 , 17, 3697-3713	11.4	106
5	Theoretical predictions for how temperature affects the dynamics of interacting herbivores and plants. <i>American Naturalist</i> , 2011 , 178, 626-38	3.7	129
4	Effects of climate-driven primary production change on marine food webs: implications for fisheries and conservation. <i>Global Change Biology</i> , 2010 , 16, 1194-1212	11.4	142
3	Darwinian fisheries science needs to consider realistic fishing pressures over evolutionary time scales. <i>Marine Ecology - Progress Series</i> , 2008 , 369, 257-266	2.6	29
2	The cost of enforcing a marine protected area to achieve ecological targets for the recovery of fish biomass		1
1	Automating the analysis of fish abundance using object detection: optimising animal ecology with deep learning		2