Matthew E Watts

List of Publications by Year
in descending order

33 papers	3,014 citations	331670 21 h-index	454955 30 g-index
33 all docs	33 docs citations	33 times ranked	4342 citing authors

#	Article	IF	Citations
1	Conservation planning in a changing world. Trends in Ecology and Evolution, 2007, 22, 583-592.	8.7	842
2	Marxan with Zones: Software for optimal conservation based land- and sea-use zoning. Environmental Modelling and Software, 2009, 24, 1513-1521.	4.5	436
3	Incorporating ecological and evolutionary processes into continental–scale conservation planning. Ecological Applications, 2009, 19, 206-217.	3.8	187
4	Conservation planning under climate change: Toward accounting for uncertainty in predicted species distributions to increase confidence in conservation investments in space and time. Biological Conservation, 2011, 144, 2020-2030.	4.1	167
5	PLANNING FOR PERSISTENCE IN MARINE RESERVES: A QUESTION OF CATASTROPHIC IMPORTANCE. , 2008, 18, 670-680.		134
6	Spatial marine zoning for fisheries and conservation. Frontiers in Ecology and the Environment, 2010, 8, 349-353.	4.0	133
7	V-Track: software for analysing and visualising animal movement from acoustic telemetry detections. Marine and Freshwater Research, 2012, 63, 815.	1.3	120
8	Solving conservation planning problems with integer linear programming. Ecological Modelling, 2016, 328, 14-22.	2.5	106
9	Is maximizing protection the same as minimizing loss? Efficiency and retention as alternative measures of the effectiveness of proposed reserves. Ecology Letters, 2004, 7, 1035-1046.	6.4	102
10	An open Web-based system for the analysis and sharing of animal tracking data. Animal Biotelemetry, 2015, 3, 1.	1.9	85
11	Informed opportunism for conservation planning in the Solomon Islands. Conservation Letters, 2011, 4, 38-46.	5.7	81
12	Estuarine crocodiles ride surface currents to facilitate long–distance travel. Journal of Animal Ecology, 2010, 79, 955-964.	2.8	72
13	Forest conservation delivers highly variable coral reef conservation outcomes. Ecological Applications, 2012, 22, 1246-1256.	3.8	64
14	Mixed policies give more options in multifunctional tropical forest landscapes. Journal of Applied Ecology, 2017, 54, 51-60.	4.0	57
15	Spatial conservation prioritization inclusive of wilderness quality: A case study of Australia's biodiversity. Biological Conservation, 2009, 142, 1282-1290.	4.1	51
16	Tradeoffs in marine reserve design: habitat condition, representation, and socioeconomic costs. Conservation Letters, 2013, 6, 324-332.	5.7	42
17	An interoperable decision support tool for conservation planning. Environmental Modelling and Software, 2011, 26, 1434-1441.	4.5	41
18	Planning for reserve adequacy in dynamic landscapes; maximizing future representation of vegetation communities under flood disturbance in the Pantanal wetland. Diversity and Distributions, 2011, 17, 297-310.	4.1	39

#	Article	IF	Citations
19	Influence of a Threatened‐Species Focus on Conservation Planning. Conservation Biology, 2010, 24, 441-449.	4.7	32
20	Evaluating the influence of candidate terrestrial protected areas on coral reef condition in Fiji. Marine Policy, 2014, 44, 360-365.	3.2	32
21	Using multivariate statistics to explore trade‐offs among spatial planning scenarios. Journal of Applied Ecology, 2014, 51, 1504-1514.	4.0	30
22	Improving spatial prioritisation for remote marine regions: optimising biodiversity conservation and sustainable development trade-offs. Scientific Reports, 2016, 6, 32029.	3.3	23
23	Using individual‐based movement information to identify spatial conservation priorities for mobile species. Conservation Biology, 2019, 33, 1426-1437.	4.7	22
24	Using multivariate analysis to deliver conservation planning products that align with practitioner needs. Ecography, 2011, 34, 203-207.	4.5	21
25	Short- and long-term movement patterns in the freshwater whipray (Himantura dalyensis) determined by the signal processing of passive acoustic telemetry data. Marine and Freshwater Research, 2012, 63, 341.	1.3	18
26	A habitat‐based approach to predict impacts of marine protected areas on fishers. Conservation Biology, 2018, 32, 1096-1106.	4.7	14
27	Tax Shifting and Incentives for Biodiversity Conservation on Private Lands. Conservation Letters, 2018, 11, e12377.	5.7	14
28	Systematic Conservation Planning with Marxan. , 2017, , 211-227.		12
29	Environmental and ecological factors influencing dive behaviour in the freshwater snake Acrochordus arafurae: a field-based telemetric study. Marine and Freshwater Research, 2010, 61, 560.	1.3	11
30	Software for prioritizing conservation actions based on probabilistic information. Conservation Biology, 2021, 35, 1299-1308.	4.7	10
31	OzTrack -- E-Infrastructure to Support the Management, Analysis and Sharing of Animal Tracking Data. , 2013, , .		9
32	Voting power and target-based site prioritization. Biological Conservation, 2010, 143, 1989-1997.	4.1	4
33	On which targets should we compromise in conservation prioritization problems?. Methods in Ecology and Evolution, 2017, 8, 1858-1865.	5.2	3