

# Robert M Ewers

## List of Publications by Year in descending order

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Version: 2024-02-01

105  
papers

15,569  
citations

66343

42  
h-index

31849

101  
g-index

113  
all docs

113  
docs citations

113  
times ranked

18308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global effects of land use on local terrestrial biodiversity. <i>Nature</i> , 2015, 520, 45-50.	27.8	2,669
2	Habitat fragmentation and its lasting impact on Earth's ecosystems. <i>Science Advances</i> , 2015, 1, e1500052.	10.3	2,541
3	Confounding factors in the detection of species responses to habitat fragmentation. <i>Biological Reviews</i> , 2006, 81, 117.	10.4	1,615
4	Landscape moderation of biodiversity patterns and processes – eight hypotheses. <i>Biological Reviews</i> , 2012, 87, 661-685.	10.4	1,443
5	Prospects for tropical forest biodiversity in a human-modified world. <i>Ecology Letters</i> , 2009, 12, 561-582.	6.4	735
6	Interactive effects of habitat modification and species invasion on native species decline. <i>Trends in Ecology and Evolution</i> , 2007, 22, 489-496.	8.7	692
7	Is habitat fragmentation good for biodiversity?. <i>Biological Conservation</i> , 2018, 226, 9-15.	4.1	430
8	The relationship between leaf area index and microclimate in tropical forest and oil palm plantation: Forest disturbance drives changes in microclimate. <i>Agricultural and Forest Meteorology</i> , 2015, 201, 187-195.	4.8	298
9	A large-scale forest fragmentation experiment: the Stability of Altered Forest Ecosystems Project. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3292-3302.	4.0	244
10	Do increases in agricultural yield spare land for nature?. <i>Global Change Biology</i> , 2009, 15, 1716-1726.	9.5	236
11	Extinction Debt and Windows of Conservation Opportunity in the Brazilian Amazon. <i>Science</i> , 2012, 337, 228-232.	12.6	200
12	SYNERGISTIC INTERACTIONS BETWEEN EDGE AND AREA EFFECTS IN A HEAVILY FRAGMENTED LANDSCAPE. <i>Ecology</i> , 2007, 88, 96-106.	3.2	193
13	The Effect of Fragment Shape and Species' Sensitivity to Habitat Edges on Animal Population Size. <i>Conservation Biology</i> , 2007, 21, 926-936.	4.7	184
14	Fragmentation Impairs the Microclimate Buffering Effect of Tropical Forests. <i>PLoS ONE</i> , 2013, 8, e58093.	2.5	183
15	Estimates of reserve effectiveness are confounded by leakage. <i>Trends in Ecology and Evolution</i> , 2008, 23, 113-116.	8.7	176
16	Extinction filters mediate the global effects of habitat fragmentation on animals. <i>Science</i> , 2019, 366, 1236-1239.	12.6	164
17	Canopy structure and topography jointly constrain the microclimate of human-modified tropical landscapes. <i>Global Change Biology</i> , 2018, 24, 5243-5258.	9.5	158
18	Priority research areas for ecosystem services in a changing world. <i>Journal of Applied Ecology</i> , 2009, 46, 1139-1144.	4.0	154

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19	Continuous response functions for quantifying the strength of edge effects. <i>Journal of Applied Ecology</i> , 2006, 43, 527-536.	4.0	153
20	Edge effects as the principal cause of area effects on birds in fragmented secondary forest. <i>Oikos</i> , 2010, 119, 918-926.	2.7	142
21	Pervasive impact of large-scale edge effects on a beetle community. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5426-5429.	7.1	141
22	Land-use and land-cover change in Atlantic Forest landscapes. <i>Forest Ecology and Management</i> , 2012, 278, 80-89.	3.2	137
23	Logging cuts the functional importance of invertebrates in tropical rainforest. <i>Nature Communications</i> , 2015, 6, 6836.	12.8	127
24	Global impacts of energy demand on the freshwater resources of nations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6707-16.	7.1	98
25	Logging disturbance shifts net primary productivity and its allocation in Bornean tropical forests. <i>Global Change Biology</i> , 2018, 24, 2913-2928.	9.5	98
26	Characterizing soundscapes across diverse ecosystems using a universal acoustic feature set. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17049-17055.	7.1	93
27	The conservation value of human-modified landscapes for the world's primates. <i>Nature Communications</i> , 2019, 10, 152.	12.8	91
28	Predictive Modelling of Contagious Deforestation in the Brazilian Amazon. <i>PLoS ONE</i> , 2013, 8, e77231.	2.5	88
29	Unraveling the drivers of community dissimilarity and species extinction in fragmented landscapes. <i>Ecology</i> , 2012, 93, 2560-2569.	3.2	82
30	The Environmental Legacy of Modern Tropical Deforestation. <i>Current Biology</i> , 2016, 26, 2161-2166.	3.9	68
31	Mammalian species abundance across a gradient of tropical land-use intensity: A hierarchical multi-species modelling approach. <i>Biological Conservation</i> , 2017, 212, 162-171.	4.1	68
32	The effects of catchment and riparian forest quality on stream environmental conditions across a tropical rainforest and oil palm landscape in Malaysian Borneo. <i>Ecohydrology</i> , 2017, 10, e1827.	2.4	66
33	Using landscape history to predict biodiversity patterns in fragmented landscapes. <i>Ecology Letters</i> , 2013, 16, 1221-1233.	6.4	65
34	Comparing species and measures of landscape structure as indicators of conservation importance. <i>Journal of Applied Ecology</i> , 2011, 48, 706-714.	4.0	63
35	Assessing the Status of Wild Felids in a Highly-Disturbed Commercial Forest Reserve in Borneo and the Implications for Camera Trap Survey Design. <i>PLoS ONE</i> , 2013, 8, e77598.	2.5	63
36	The global abundance of tree palms. <i>Global Ecology and Biogeography</i> , 2020, 29, 1495-1514.	5.8	62

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37	Deadwood biomass: an underestimated carbon stock in degraded tropical forests?. Environmental Research Letters, 2015, 10, 044019.	5.2	60
38	Robust, real-time and autonomous monitoring of ecosystems with an open, low-cost, networked device. Methods in Ecology and Evolution, 2018, 9, 2383-2387.	5.2	59
39	Evaluating the legacy of landscape history: extinction debt and species credit in bird and small mammal assemblages in the Brazilian Atlantic Forest. Journal of Applied Ecology, 2012, 49, 1325-1333.	4.0	57
40	Vertical stratification of adult mosquitoes (Diptera: Culicidae) within a tropical rainforest in Sabah, Malaysia. Malaria Journal, 2016, 15, 370.	2.3	47
41	Land-use change is associated with a significant loss of freshwater fish species and functional richness in Sabah, Malaysia. Biological Conservation, 2018, 222, 164-171.	4.1	47
42	Estimating aboveground carbon density and its uncertainty in Borneo's structurally complex tropical forests using airborne laser scanning. Biogeosciences, 2018, 15, 3811-3830.	3.3	47
43	Whole-ecosystem experimental manipulations of tropical forests. Trends in Ecology and Evolution, 2015, 30, 334-346.	8.7	46
44	The transparency, reliability and utility of tropical rainforest land-use and land-cover change models. Global Change Biology, 2014, 20, 1707-1722.	9.5	45
45	Abundance signals of amphibians and reptiles indicate strong edge effects in Neotropical fragmented forest landscapes. Biological Conservation, 2016, 200, 207-215.	4.1	45
46	Temporal fluctuations in Amazonian deforestation rates. Environmental Conservation, 2008, 35, 303.	1.3	41
47	Predicting the impacts of edge effects in fragmented habitats: Laurance and Yensen's core area model revisited. Biological Conservation, 2012, 155, 104-110.	4.1	40
48	Temporal patterns of road network development in the Brazilian Amazon. Regional Environmental Change, 2013, 13, 927-937.	2.9	40
49	Production land use alters edge response functions in remnant forest invertebrate communities. , 2011, 21, 3147-3161.		39
50	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. Remote Sensing of Environment, 2021, 252, 112122.	11.0	38
51	Imaging spectroscopy reveals the effects of topography and logging on the leaf chemistry of tropical forest canopy trees. Global Change Biology, 2020, 26, 989-1002.	9.5	37
52	Making statistics biologically relevant in fragmented landscapes. Trends in Ecology and Evolution, 2010, 25, 699-704.	8.7	35
53	Evaluating conceptual models of landscape change. Ecography, 2017, 40, 74-84.	4.5	35
54	Predicted trajectories of tree community change in Amazonian rainforest fragments. Ecography, 2017, 40, 26-35.	4.5	33

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55	Assessing the impacts of fragmentation on plant communities in New Zealand: scaling from survey plots to landscapes. <i>Global Ecology and Biogeography</i> , 2010, 19, 741-754.	5.8	31
56	Recovery of logged forest fragments in a human-modified tropical landscape during the 2015-16 El Niño. <i>Nature Communications</i> , 2021, 12, 1526.	12.8	31
57	Localised climate change defines ant communities in human-modified tropical landscapes. <i>Functional Ecology</i> , 2021, 35, 1094-1108.	3.6	30
58	BIOFRAG – a new database for analyzing BIOdiversity responses to forest fragmentation. <i>Ecology and Evolution</i> , 2014, 4, 1524-1537.	1.9	29
59	Road networks predict human influence on Amazonian bird communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141742.	2.6	27
60	Major and persistent shifts in below-ground carbon dynamics and soil respiration following logging in tropical forests. <i>Global Change Biology</i> , 2021, 27, 2225-2240.	9.5	27
61	Edge Effects Disrupt Vertical Stratification of Microclimate in a Temperate Forest Canopy. <i>Pacific Science</i> , 2014, 68, 493-508.	0.6	26
62	The impact of logging on vertical canopy structure across a gradient of tropical forest degradation intensity in Borneo. <i>Journal of Applied Ecology</i> , 2021, 58, 1764-1775.	4.0	26
63	Grain-dependent responses of mammalian diversity to land use and the implications for conservation set-aside. <i>Ecological Applications</i> , 2016, 26, 1409-1420.	3.8	25
64	Scale-dependent patterns of deforestation in the Brazilian Amazon. <i>Environmental Conservation</i> , 2006, 33, 203-211.	1.3	24
65	Monitoring Forest Phenology in a Changing World. <i>Forests</i> , 2021, 12, 297.	2.1	23
66	A fractal-based sampling design for ecological surveys quantifying α-diversity. <i>Methods in Ecology and Evolution</i> , 2013, 4, 63-72.	5.2	22
67	Mapping community change in modified landscapes. <i>Biological Conservation</i> , 2009, 142, 2872-2880.	4.1	21
68	Inter-annual dynamics and persistence of small mammal communities in a selectively logged tropical forest in Borneo. <i>Biodiversity and Conservation</i> , 2018, 27, 3155-3169.	2.6	19
69	Altered species interactions at forest edges: contrasting edge effects on bumble bees and their phoretic mite loads in temperate forest remnants. <i>Insect Conservation and Diversity</i> , 2013, 6, 598-606.	3.0	18
70	Influence of microhabitat structure and disturbance on detection of native and non-native murids in logged and unlogged forests of northern Borneo. <i>Journal of Tropical Ecology</i> , 2015, 31, 25-35.	1.1	18
71	Effects of different land-use on suspended sediment dynamics in Sabah (Malaysian Borneo) – a view at the event and annual timescales. <i>Hydrological Research Letters</i> , 2017, 11, 79-84.	0.5	18
72	Mapping Aboveground Carbon in Oil Palm Plantations Using LiDAR: A Comparison of Tree-Centric versus Area-Based Approaches. <i>Remote Sensing</i> , 2017, 9, 816.	4.0	18

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73	The macroecology of landscape ecology. <i>Trends in Ecology and Evolution</i> , 2022, 37, 480-487.	8.7	18
74	Vertical stratification in the spatial distribution of the beech scale insect ( <i>Ultracoelostoma assimile</i> ) in <i>Nothofagus</i> tree canopies in New Zealand. <i>Ecological Entomology</i> , 2006, 31, 185-195.	2.2	17
75	Movement Behavior of Native and Invasive Small Mammals Shows Logging May Facilitate Invasion in a Tropical Rain Forest. <i>Biotropica</i> , 2016, 48, 373-380.	1.6	17
76	Is $\beta$ -diversity of Amazonian ant and dung beetles communities elevated at rainforest edges?. <i>Journal of Biogeography</i> , 2018, 45, 1966-1979.	3.0	17
77	Drought cuts back regeneration in logged tropical forests. <i>Environmental Research Letters</i> , 2019, 14, 045012.	5.2	17
78	Soundscapes predict species occurrence in tropical forests. <i>Oikos</i> , 2022, 2022, .	2.7	17
79	Effect of tropical forest disturbance on the competitive interactions within a diverse ant community. <i>Scientific Reports</i> , 2018, 8, 5131.	3.3	14
80	El Niño drought and tropical forest conversion synergistically determine mosquito development rate. <i>Environmental Research Letters</i> , 2019, 14, 035003.	5.2	13
81	Land-use change alters the mechanisms assembling rainforest mammal communities in Borneo. <i>Journal of Animal Ecology</i> , 2019, 88, 125-137.	2.8	13
82	Fine root dynamics across pantropical rainforest ecosystems. <i>Global Change Biology</i> , 2021, 27, 3657-3680.	9.5	13
83	An ensemble of spatially explicit land-cover model projections: prospects and challenges to retrospectively evaluate deforestation policy. <i>Modeling Earth Systems and Environment</i> , 2017, 3, 1215-1228.	3.4	12
84	SAFE Acoustics: An open-source, real-time eco-acoustic monitoring network in the tropical rainforests of Borneo. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1182-1185.	5.2	12
85	Resilience of tropical, freshwater fish ( <i>Nematabramis everetti</i> ) populations to severe drought over a land-use gradient in Borneo. <i>Environmental Research Letters</i> , 2019, 14, 045008.	5.2	11
86	Forest conversion to oil palm compresses food chain length in tropical streams. <i>Ecology</i> , 2021, 102, e03199.	3.2	11
87	Shifts in the demographics and behavior of bearded pigs ( <i>Sus barbatus</i> ) across a land-use gradient. <i>Biotropica</i> , 2019, 51, 938-948.	1.6	10
88	The availability of freshwater fish resources is maintained across a land-use gradient in Sabah, Borneo. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2018, 28, 1044-1054.	2.0	9
89	Separate authorship categories to recognize data collectors and code developers. <i>Nature Ecology and Evolution</i> , 2019, 3, 1610-1610.	7.8	9
90	Increasing land-use intensity reverses the relative occupancy of two quadrupedal scavengers. <i>PLoS ONE</i> , 2017, 12, e0177143.	2.5	9

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91	Riparian buffers can help mitigate biodiversity declines in oil palm agriculture. <i>Frontiers in Ecology and the Environment</i> , 2022, 20, 459-466.	4.0	9
92	Large scale spatio-temporal patterns of road development in the Amazon rainforest. <i>Environmental Conservation</i> , 2014, 41, 253-264.	1.3	8
93	Minimal Spillover of Native Small Mammals From Bornean Tropical Forests Into Adjacent Oil Palm Plantations. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	2.3	8
94	Functional susceptibility of tropical forests to climate change. <i>Nature Ecology and Evolution</i> , 2022, 6, 878-889.	7.8	8
95	Response to Comment on "Extinction Debt and Windows of Conservation Opportunity in the Brazilian Amazon". <i>Science</i> , 2013, 339, 271-271.	12.6	7
96	Tropical logging and deforestation impacts multiple scales of weevil beta-diversity. <i>Biological Conservation</i> , 2019, 234, 172-179.	4.1	7
97	How index selection, compression, and recording schedule impact the description of ecological soundscapes. <i>Ecology and Evolution</i> , 2021, 11, 13206-13217.	1.9	7
98	Impending Regeneration Failure of the IUCN Vulnerable Borneo Ironwood ( <i>Eusideroxylon</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462</i>	1.2	6
99	Oil palm expansion increases the vectorial capacity of dengue vectors in Malaysian Borneo. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0009525.	3.0	6
100	Optimising sampling designs for habitat fragmentation studies. <i>Methods in Ecology and Evolution</i> , 2022, 13, 217-229.	5.2	4
101	Spatio-temporal variation in mortality rates of <i>Mecodema</i> spp. (Coleoptera: Carabidae) across a forest-grassland edge in New Zealand. <i>Insect Conservation and Diversity</i> , 2008, 1, 40-47.	3.0	2
102	Small logging roads do not restrict movements of forest rats in Bornean logged forests. <i>Biotropica</i> , 2019, 51, 412-420.	1.6	2
103	Deforesting the Earth: From Prehistory to Global Crisis. An Abridgement BY MICHAEL WILLIAMS xviii + 543 pp., 23 Å— 15 Å— 4 cm, ISBN 0 226 89947 0 paperback, US\$ 25.00/GB£ 16.00, Chicago, USA/London, UK: The University of Chicago Press, 2006. <i>Environmental Conservation</i> , 2007, 34, 83-84.		0
104	The ecological consequences of habitat loss and fragmentation in New Zealand and Australia. , 2014, , 45-64.		0
105	A protocol for a longitudinal, observational cohort study of infection and exposure to zoonotic and vector-borne diseases across a land-use gradient in Sabah, Malaysian Borneo: a socio-ecological systems approach. <i>Wellcome Open Research</i> , 2022, 7, 63.	1.8	0