Raphael K Didham

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10491758/publications.pdf

Version: 2024-02-01

106	15,846	71102	30087
papers	citations	41 h-index	103 g-index

108	108	108	16579
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global change and species interactions in terrestrial ecosystems. Ecology Letters, 2008, 11, 1351-1363.	6.4	1,880
2	Confounding factors in the detection of species responses to habitat fragmentation. Biological Reviews, 2006, 81, 117.	10.4	1,615
3	Landscape moderation of biodiversity patterns and processes â€eight hypotheses. Biological Reviews, 2012, 87, 661-685.	10.4	1,443
4	Ecosystem Decay of Amazonian Forest Fragments: a 22â€¥ear Investigation. Conservation Biology, 2002, 16, 605-618.	4.7	1,372
5	The fate of Amazonian forest fragments: A 32-year investigation. Biological Conservation, 2011, 144, 56-67.	4.1	713
6	Interactive effects of habitat modification and species invasion on native species decline. Trends in Ecology and Evolution, 2007, 22, 489-496.	8.7	692
7	Are invasive species the drivers of ecological change?. Trends in Ecology and Evolution, 2005, 20, 470-474.	8.7	648
8	Insects in fragmented forests: a functional approach. Trends in Ecology and Evolution, 1996, 11, 255-260.	8.7	555
9	Arthropod Diversity in a Tropical Forest. Science, 2012, 338, 1481-1484.	12.6	445
10	Is habitat fragmentation good for biodiversity?. Biological Conservation, 2018, 226, 9-15.	4.1	430
11	Edge Structure Determines the Magnitude of Changes in Microclimate and Vegetation Structure in Tropical Forest Fragments1. Biotropica, 1999, 31, 17-30.	1.6	390
12	BEETLE SPECIES RESPONSES TO TROPICAL FOREST FRAGMENTATION. Ecological Monographs, 1998, 68, 295-323.	5.4	347
13	Habitat fragmentation and biodiversity conservation: key findings and future challenges. Landscape Ecology, 2016, 31, 219-227.	4.2	336
14	Edge Structure Determines the Magnitude of Changes in Microclimate and Vegetation Structure in Tropical Forest Fragments. Biotropica, 1999, 31, 17.	1.6	321
15	Interpreting insect declines: seven challenges and a way forward. Insect Conservation and Diversity, 2020, 13, 103-114.	3.0	271
16	Rethinking the conceptual foundations of habitat fragmentation research. Oikos, 2012, 121, 161-170.	2.7	255
17	IMPROVED FITNESS OF APHID PARASITOIDS RECEIVING RESOURCE SUBSIDIES. Ecology, 2004, 85, 658-666.	3.2	244
18	A large-scale forest fragmentation experiment: the Stability of Altered Forest Ecosystems Project. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3292-3302.	4.0	244

#	Article	IF	Citations
19	SYNERGISTIC INTERACTIONS BETWEEN EDGE AND AREA EFFECTS IN A HEAVILY FRAGMENTED LANDSCAPE. Ecology, 2007, 88, 96-106.	3.2	193
20	The Effect of Fragment Shape and Species' Sensitivity to Habitat Edges on Animal Population Size. Conservation Biology, 2007, 21, 926-936.	4.7	184
21	The spatial scaling of beta diversity. Global Ecology and Biogeography, 2013, 22, 639-647.	5.8	181
22	Increasing floral diversity for selective enhancement of biological control agents: A double-edged sward?. Basic and Applied Ecology, 2006, 7, 236-243.	2.7	160
23	Continuous response functions for quantifying the strength of edge effects. Journal of Applied Ecology, 2006, 43, 527-536.	4.0	153
24	Pervasive impact of large-scale edge effects on a beetle community. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5426-5429.	7.1	141
25	Altered leaf-litter decomposition rates in tropical forest fragments. Oecologia, 1998, 116, 397-406.	2.0	132
26	Past and future trajectories of forest loss in New Zealand. Biological Conservation, 2006, 133, 312-325.	4.1	129
27	To close the yield-gap while saving biodiversity will require multiple locally relevant strategies. Agriculture, Ecosystems and Environment, 2013, 173, 20-27.	5.3	116
28	Are systems with strong underlying abiotic regimes more likely to exhibit alternative stable states?. Oikos, 2005, 110, 409-416.	2.7	103
29	Arthropod Distribution in a Tropical Rainforest: Tackling a Four Dimensional Puzzle. PLoS ONE, 2015, 10, e0144110.	2.5	102
30	Applications and implications of ecological energetics. Trends in Ecology and Evolution, 2014, 29, 280-290.	8.7	101
31	Environmental and spatial influences upon species composition of a termite assemblage across neotropical forest islands. Journal of Tropical Ecology, 2003, 19, 509-524.	1.1	87
32	Non-native plantation forests as alternative habitat for native forest beetles in a heavily modified landscape. Biodiversity and Conservation, 2008, 17, 1127-1148.	2.6	87
33	Experimental evidence that the effectiveness of conservation biological control depends on landscape complexity. Journal of Applied Ecology, 2015, 52, 1274-1282.	4.0	84
34	Complementarity and redundancy of interactions enhance attack rates and spatial stability in hostâ€“parasitoid food webs. Ecology, 2014, 95, 1888-1896.	3.2	79
35	Agricultural intensification drives landscapeâ€context effects on hostâ€“parasitoid interactions in agroecosystems. Journal of Applied Ecology, 2012, 49, 706-714.	4.0	77
36	Using landscape history to predict biodiversity patterns in fragmented landscapes. Ecology Letters, 2013, 16, 1221-1233.	6.4	65

#	Article	IF	Citations
37	Apparent competition drives community-wide parasitism rates and changes in host abundance across ecosystem boundaries. Nature Communications, 2016, 7, 12644.	12.8	56
38	Communityâ€level net spillover of natural enemies from managed to natural forest. Ecology, 2015, 96, 193-202.	3.2	53
39	The Ridgefield Multiple Ecosystem Services Experiment: Can restoration of former agricultural land achieve multiple outcomes?. Agriculture, Ecosystems and Environment, 2012, 163, 14-27.	5.3	52
40	Airborne LiDAR reveals context dependence in the effects of canopy architecture on arthropod diversity. Forest Ecology and Management, 2014, 312, 129-137.	3.2	44
41	Comment on "Avian Extinction and Mammalian Introductions on Oceanic Islands". Science, 2005, 307, 1412a-1412a.	12.6	43
42	Rapid beetle community convergence following experimental habitat restoration in a mined peat bog. Biological Conservation, 2008, 141, 568-579.	4.1	42
43	Predicting the impacts of edge effects in fragmented habitats: Laurance and Yensenâ€™s core area model revisited. Biological Conservation, 2012, 155, 104-110.	4.1	40
44	Matrix habitat restoration alters dung beetle species responses across tropical forest edges. Biological Conservation, 2014, 170, 28-37.	4.1	40
45	Agricultural Intensification Exacerbates Spillover Effects on Soil Biogeochemistry in Adjacent Forest Remnants. PLoS ONE, 2015, 10, e0116474.	2.5	40
46	Production land use alters edge response functions in remnant forest invertebrate communities. , 2011, 21, 3147-3161.		39
47	Densityâ€dependent impacts of exotic conifer invasion on grassland invertebrate assemblages. Journal of Applied Ecology, 2010, 47, 1053-1062.	4.0	36
48	Spotlight on insects: trends, threats and conservation challenges. Insect Conservation and Diversity, 2020, 13, 99-102.	3.0	34
49	Challenges and opportunities in harnessing satellite remote-sensing for biodiversity monitoring. Ecological Informatics, 2015, 30, 207-214.	5.2	33
50	Disentangling the mechanistic drivers of ecosystemâ€size effects on species diversity. Journal of Animal Ecology, 2010, 79, 1204-1214.	2.8	31
51	Longâ€term data suggest jarrahâ€forest establishment at restored mine sites is resistant to climate variability. Journal of Ecology, 2015, 103, 78-89.	4.0	31
52	Nested patterns of community assembly in the colonisation of artificial canopy habitats by oribatid mites. Oikos, 2008, 117, 1856-1864.	2.7	30
53	Accounting for the causal basis of collinearity when measuring the effects of habitat loss versus habitat fragmentation. Oikos, 2016, 125, 117-125.	2.7	30
54	Very high resolution Earth observation features for monitoring plant and animal community structure across multiple spatial scales in protected areas. International Journal of Applied Earth Observation and Geoinformation, 2015, 37, 100-105.	2.8	29

#	Article	IF	Citations
55	The matrix matters, but how should we manage it? Estimating the amount of highâ€quality matrix required to maintain biodiversity in fragmented landscapes. Ecography, 2017, 40, 171-178.	4.5	29
56	Research needs in insect conservation and diversity. Insect Conservation and Diversity, 2010, 3, 1-4.	3.0	27
57	Life After Logging: Strategic Withdrawal from the Garden of Eden or Tactical Error for Wilderness Conservation?. Biotropica, 2011, 43, 393-395.	1.6	27
58	Edge Effects Disrupt Vertical Stratification of Microclimate in a Temperate Forest Canopy. Pacific Science, 2014, 68, 493-508.	0.6	26
59	Dispersal modality determines the relative partitioning of beta diversity in spider assemblages on subtropical landâ€bridge islands. Journal of Biogeography, 2017, 44, 2121-2131.	3.0	26
60	Glowing, glowing, gone? Monitoring longâ€term trends in glowâ€worm numbers in southâ€east England. Insect Conservation and Diversity, 2020, 13, 162-174.	3.0	26
61	Remotely sensed landscape heterogeneity as a rapid tool for assessing local biodiversity value in a highly modified New Zealand landscape. Biodiversity and Conservation, 2005, 14, 1469-1485.	2.6	23
62	Rapid recovery of an insectâ€“plant interaction following habitat loss and experimental wetland restoration. Oecologia, 2006, 148, 61-69.	2.0	23
63	Native forest generalists dominate carabid assemblages along a stand age chronosequence in an exotic Pinus radiata plantation. Forest Ecology and Management, 2009, 258, S108-S116.	3.2	23
64	Phylogenetic diversity and coâ€evolutionary signals among trophic levels change across a habitat edge. Journal of Animal Ecology, 2015, 84, 364-372.	2.8	22
65	Mapping community change in modified landscapes. Biological Conservation, 2009, 142, 2872-2880.	4.1	21
66	Circle the bandwagons â€“ challenges mount against the theoretical foundations of applied functional trait and ecosystem service research. Insect Conservation and Diversity, 2016, 9, 1-3.	3.0	21
67	Beetle Species Responses to Tropical Forest Fragmentation. Ecological Monographs, 1998, 68, 295.	5.4	21
68	Towards a better mechanistic understanding of edge effects. Landscape Ecology, 2016, 31, 2205-2213.	4.2	20
69	Maximising biodiversity in plantation forests: Insights from long-term changes in clearfell-sensitive beetles in a Pinus radiata plantation. Biological Conservation, 2011, 144, 2842-2850.	4.1	18
70	Altered species interactions at forest edges: contrasting edge effects on bumble bees and their phoretic mite loads in temperate forest remnants. Insect Conservation and Diversity, 2013, 6, 598-606.	3.0	18
71	The Role of Species Traits in Mediating Functional Recovery during Matrix Restoration. PLoS ONE, 2014, 9, e115385.	2.5	18
72	Saproxylic beetles in tropical and temperate forests â€“ A standardized comparison of vertical stratification patterns. Forest Ecology and Management, 2019, 444, 50-58.	3.2	18

#	Article	IF	Citations
73	Vertical stratification in the spatial distribution of the beech scale insect (Ultracoelostoma assimile) in Nothofagus tree canopies in New Zealand. Ecological Entomology, 2006, 31, 185-195.	2.2	17
74	Influences of Habitat Isolation on Invertebrate Colonization of Sporadanthus ferrugineus in a Mined Peat Bog. Restoration Ecology, 2006, 14, 412-419.	2.9	16
75	Habitat fragmentation: panchreston or paradigm?. Trends in Ecology and Evolution, 2007, 22, 511.	8.7	16
76	The interactive effects of livestock exclusion and mammalian pest control on the restoration of invertebrate communities in small forest remnants. New Zealand Journal of Zoology, 2009, 36, 135-163.	1.1	16
77	Physiological plasticity of metabolic rates in the invasive honey bee and an endemic Australian bee species. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2015, 185, 835-844.	1.5	16
78	Very high resolution Earth Observation features for testing the direct and indirect effects of landscape structure on local habitat quality. International Journal of Applied Earth Observation and Geoinformation, 2015, 34, 96-102.	2.8	15
79	Nonâ€random foodâ€web assembly at habitat edges increases connectivity and functional redundancy. Ecology, 2017, 98, 995-1005.	3.2	15
80	When are alternative stable states more likely to occur?. Oikos, 2006, 113, 357-362.	2.7	14
81	Discriminating the Drivers of Edge Effects on Nest Predation: Forest Edges Reduce Capture Rates of Ship Rats (Rattus rattus), a Globally Invasive Nest Predator, by Altering Vegetation Structure. PLoS ONE, 2014, 9, e113098.	2.5	14
82	Woody plant richness does not influence invertebrate community reassembly trajectories in a tree diversity experiment. Ecology, 2017, 98, 500-511.	3.2	14
83	Using pest monitoring data to inform the location and intensity of invasive-species control in New Zealand. Biological Conservation, 2015, 191, 640-649.	4.1	13
84	Plant, herbivore and parasitoid community composition in native Nothofagaceae forests vs. exotic pine plantations. Journal of Applied Ecology, 2018, 55, 1265-1275.	4.0	13
85	Landscape context alters cost of living in honeybee metabolism and feeding. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162676.	2.6	12
86	Nonlinear thresholds in the effects of island area on functional diversity in woody plant communities. Journal of Ecology, 2021, 109, 2177-2189.	4.0	12
87	Can leaf area index and biomass be estimated from <scp>B</scp>raunâ€<scp>B</scp>lanquet cover scores in tropical forests?. Journal of Vegetation Science, 2015, 26, 1043-1053.	2.2	11
88	Arthropod diversity and the future of allâ€taxa inventories. Insect Conservation and Diversity, 2013, 6, 1-4.	3.0	10
89	Experimental evidence that even minor livestock trampling has severe effects on land snail communities in forest remnants. Journal of Applied Ecology, 2015, 52, 161-170.	4.0	10
90	An entomocentric view of the Janzenâ€“Connell hypothesis. Insect Conservation and Diversity, 2019, 12, 1-8.	3.0	9

#	Article	IF	Citations
91	Density-dependent effects on the reproductive fitness of the New Zealand beech scale insect (Ultracoelostoma assimile) across multiple spatial scales. Ecological Entomology, 2005, 30, 733-738.	2.2	8
92	Distinctive aquatic assemblages in waterâ€filled tree holes: a novel component of freshwater biodiversity in New Zealand temperate rainforests. Insect Conservation and Diversity, 2012, 5, 202-212.	3.0	8
93	Community reâ€assembly and divergence of woody plant traits in an islandâ€“mainland system after more than 50 years of regeneration. Diversity and Distributions, 2021, 27, 1435-1448.	4.1	6
94	Establishment success of sooty beech scale insects, Ultracoelostoma sp., on different host tree species in New Zealand. Journal of Insect Science, 2006, 6, 1-9.	1.5	5
95	Alternative logical states. Oikos, 2007, 116, 358-360.	2.7	5
96	Crossâ€scale drivers of plant trait distributions in a fragmented forest landscape. Ecography, 2020, 43, 467-479.	4.5	5
97	Speciesâ€level CWM values mask contrasting intraâ€versus interspecific trait shifts at subtropical forest edges. Ecography, 2022, 2022, .	4.5	5
98	The effect of introduced wasp (Vespula vulgaris, Hymenoptera: Vespidae) predation on the dispersive life history stages of beech scale insects (Ultracoelostomaspp., Homoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457	0.8	4
99	Absence of evidence is not evidence of absence: Knowledge shortfalls threaten the effective conservation of freshwater crocodiles. Global Ecology and Conservation, 2019, 20, e00773.	2.1	4
100	Spatial and functional structure of an entire ant assemblage in a lowland Panamanian rainforest. Basic and Applied Ecology, 2021, 56, 32-44.	2.7	4
101	Disentangling biotic and abiotic drivers of intraspecific trait variation in woody plant seedlings at forest edges. Ecology and Evolution, 2021, 11, 9728-9740.	1.9	3
102	Non-native plantation forests as alternative habitat for native forest beetles in a heavily modified landscape. Topics in Biodiversity and Conservation, 2008, , 203-224.	1.0	3
103	Alternative logical states.. Oikos, 2007, 116, 358-360.	2.7	1
104	Functional groupâ€dependent responses of forest bird communities to invasive predator control and habitat fragmentation. Diversity and Distributions, 2022, 28, 1298-1312.	4.1	1
105	Reply from J. Ghazoul and R.K. Didham. Trends in Ecology and Evolution, 1996, 11, 432.	8.7	0
106	Sampling the invertebrate community associated with a threatened wetland plant,Sporadanthus ferrugineus, using a new design of emergence trap. New Zealand Entomologist, 2008, 31, 23-29.	0.3	0