Paul Eggleton

List of Publications by Year
in descending order

142 papers	11,535 citations	31976 53 h-index	32842 100 g-index
146 all docs	146 docs citations	146 times ranked	9933 citing authors

#	Article	IF	Citations
1	Biodiversity inventories, indicator taxa and effects of habitat modification in tropical forest. Nature, 1998, 391, 72-76.	27.8	930
2	Accelerated Species Inventory on Madagascar Using Coalescent-Based Models of Species Delineation. Systematic Biology, 2009, 58, 298-311.	5.6	641
3	Death of an order: a comprehensive molecular phylogenetic study confirms that termites are eusocial cockroaches. Biology Letters, 2007, 3, 331-335.	2.3	434
4	The evolution of fungus-growing termites and their mutualistic fungal symbionts. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14887-14892.	7.1	368
5	BEETLE SPECIES RESPONSES TO TROPICAL FOREST FRAGMENTATION. Ecological Monographs, 1998, 68, 295-323.	5.4	347
6	A comprehensive phylogenetic analysis of termites (Isoptera) illuminates key aspects of their evolutionary biology. Molecular Phylogenetics and Evolution, 2007, 44, 953-967.	2.7	341
7	Plant traits and wood fates across the globe: rotted, burned, or consumed?. Global Change Biology, 2009, 15, 2431-2449.	9.5	318
8	Gut content analysis and a new feeding group classification of termites. Ecological Entomology, 2001, 26, 356-366.	2.2	310
9	Termites in Ecosystems. , 2000, , 363-387.		286
10	Sampling termite assemblages in tropical forests: testing a rapid biodiversity assessment protocol. Journal of Applied Ecology, 2000, 37, 191-203.	4.0	267
11	The diversity, abundance and biomass of termites under differing levels of disturbance in the Mbalmayo Forest Reserve, southern Cameroon. Philosophical Transactions of the Royal Society B: Biological Sciences, 1996, 351, 51-68.	4.0	241
12	Establishing the evidence base for maintaining biodiversity and ecosystem function in the oil palm landscapes of South East Asia. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3277-3291.	4.0	218
13	Quaternary rainforest refugia in south-east Asia: using termites (Isoptera) as indicators. Biological Journal of the Linnean Society, 2002, 75, 453-466.	1.6	191
14	Invertebrates as determinants and indicators of soil quality. Renewable Agriculture and Food Systems, 1992, 7, 38-47.	0.5	189
15	The database of the <scp>PREDICTS</scp> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq1 1 0.784314 rgBT /Ov	1.9	186
16	Termite assemblage collapse along a landâ€use intensification gradient in lowland central Sumatra, Indonesia. Journal of Applied Ecology, 2003, 40, 380-391.	4.0	185
17	Global Patterns of Termite Diversity. , 2000, , 25-51.		174
18	The species richness of termites (Isoptera) under differing levels of forest disturbance in the Mbalmayo Forest Reserve, southern Cameroon. Journal of Tropical Ecology, 1995, 11, 85-98.	1.1	171

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19	Termite diversity across an anthropogenic disturbance gradient in the humid forest zone of West Africa. Agriculture, Ecosystems and Environment, 2002, 90, 189-202.	5.3	156
20	Oil palm expansion into rain forest greatly reduces ant biodiversity in canopy, epiphytes and leaf-litter. Basic and Applied Ecology, 2010, 11, 337-345.	2.7	155
21	Insect parasitoids: an evolutionary overview. Philosophical Transactions of the Royal Society B: Biological Sciences, 1992, 337, 1-20.	4.0	152
22	Feeding groups, lifetypes and the global ecology of termites. Ecological Research, 2001, 16, 941-960.	1.5	148
23	Fungus-Growing Termites Originated in African Rain Forest. Current Biology, 2005, 15, 851-855.	3.9	134
24	Explaining global termite diversity: productivity or history?. Biodiversity and Conservation, 1994, 3, 318-330.	2.6	127
25	Logging cuts the functional importance of invertebrates in tropical rainforest. Nature Communications, 2015, 6, 6836.	12.8	127
26	Nitrogen and carbon isotope ratios in termites: an indicator of trophic habit along the gradient from woodâ€feeding to soilâ€feeding. Ecological Entomology, 1997, 22, 343-351.	2.2	126
27	Functional structure of ant and termite assemblages in old growth forest, logged forest and oil palm plantation in Malaysian Borneo. Biodiversity and Conservation, 2014, 23, 2817-2832.	2.6	111
28	The diversity of beetle assemblages in different habitat types in Sabah, Malaysia. Bulletin of Entomological Research, 2000, 90, 475-496.	1.0	110
29	Molecular phylogenetic profiling of prokaryotic communities in guts of termites with different feeding habits. FEMS Microbiology Ecology, 2001, 35, 27-36.	2.7	110
30	Evolution of termite functional diversity: analysis and synthesis of local ecological and regional influences on local species richness. Journal of Biogeography, 2003, 30, 847-877.	3.0	105
31	Large scale patterns of biodiversity: spatial variation in family richness. Proceedings of the Royal Society B: Biological Sciences, 1995, 260, 149-154.	2.6	103
32	Can arable field margins be managed to enhance their biodiversity, conservation and functional value for soil macrofauna?. Journal of Applied Ecology, 2008, 45, 269-278.	4.0	101
33	On the elevated intestinal pH of higher termites (Isoptera: Termitidae). Insectes Sociaux, 1995, 42, 57-69.	1.2	98
34	Termites mitigate the effects of drought in tropical rainforest. Science, 2019, 363, 174-177.	12.6	98
35	Taxonomy and Phylogeny of Termites. , 2000, , 1-23.		97
36	The effects of altitude and rainfall on the composition of the termites (Isoptera) of the Leuser Ecosystem (Sumatra, Indonesia). Journal of Tropical Ecology, 2001, 17, 379-393.	1.1	90

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37	Scale-specific correlations between habitat heterogeneity and soil fauna diversity along a landscape structure gradient. Oecologia, 2007, 153, 713-725.	2.0	90
38	Ants are the major agents of resource removal from tropical rainforests. Journal of Animal Ecology, 2018, 87, 293-300.	2.8	88
39	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
40	The pyrodiversityâ€“biodiversity hypothesis: a test with savanna termite assemblages. Journal of Applied Ecology, 2012, 49, 422-430.	4.0	87
41	The State of the World's Insects. Annual Review of Environment and Resources, 2020, 45, 61-82.	13.4	86
42	The effect of a soil-feeding termite, Cubitermes fungifaber (Isoptera: Termitidae) on soil properties: termites may be an important source of soil microhabitat heterogeneity in tropical forests. Pedobiologia, 2001, 45, 1-11.	1.2	83
43	A six year study of earthworm (Lumbricidae) populations in pasture woodland in southern England shows their responses to soil temperature and soil moisture. Soil Biology and Biochemistry, 2009, 41, 1857-1865.	8.8	83
44	Carbon flux and diversity of nematodes and termites in Cameroon forest soils. Biodiversity and Conservation, 1996, 5, 261-273.	2.6	82
45	"Parasitoid" Species and Assemblages: Convenient Definitions or Misleading Compromises?. Oikos, 1990, 59, 417.	2.7	79
46	Identifying possible sister groups of Cryptocercidae+Isoptera: A combined molecular and morphological phylogeny of Dictyoptera. Molecular Phylogenetics and Evolution, 2015, 84, 284-303.	2.7	78
47	Termite assemblages, forest disturbance and greenhouse gas fluxes in Sabah, East Malaysia. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 1791-1802.	4.0	73
48	Termite Diversity along an Amazon-Andes Elevation Gradient, Peru. Biotropica, 2011, 43, 100-107.	1.6	72
49	Termites and trees: a review of recent advances in termite phylogenetics. Insectes Sociaux, 2001, 48, 187-193.	1.2	71
50	Antâ€termite interactions: an important but underâ€explored ecological linkage. Biological Reviews, 2020, 95, 555-572.	10.4	66
51	Earthworm induced mineral weathering: Preliminary results. European Journal of Soil Biology, 2007, 43, S176-S183.	3.2	65
52	Revisiting Coptotermes (Isoptera: Rhinotermitidae): a global taxonomic road map for species validity and distribution of an economically important subterranean termite genus. Systematic Entomology, 2016, 41, 299-306.	3.9	65
53	Comparison of Euryarchaea Strains in the Guts and Food-Soil of the Soil-Feeding Termite Cubitermes fungifaber across Different Soil Types. Applied and Environmental Microbiology, 2004, 70, 3884-3892.	3.1	64
54	Seasonal activity patterns of African savanna termites vary across a rainfall gradient. Insectes Sociaux, 2015, 62, 157-165.	1.2	64

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55	The ecosystem services provided by social insects: traits, management tools and knowledge gaps. Biological Reviews, 2020, 95, 1418-1441.	10.4	60
56	Spatial separation of Afrotropical dung beetle guilds: a trade-off between competitive superiority and energetic constraints (Coleoptera: Scarabaeidae). Ecography, 2003, 26, 210-222.	4.5	59
57	Successional response of a tropical forest termite assemblage to experimental habitat perturbation. Journal of Applied Ecology, 1999, 36, 946-962.	4.0	58
58	Vertical transmission as the key to the colonization of Madagascar by fungus-growing termites?. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 359-365.	2.6	58
59	An Introduction to Termites: Biology, Taxonomy and Functional Morphology. , 2010, , 1-26.		56
60	Termites can decompose more than half of deadwood in tropical rainforest. Current Biology, 2019, 29, R118-R119.	3.9	55
61	A pilot analysis of gut contents in termites from the Mbalmayo Forest Reserve, Cameroon. Ecological Entomology, 1996, 21, 279-288.	2.2	54
62	<span lang="EN-US"><span style="font-family: 'Times New Roman'; font-size: small;"><strong>Order Blattodea. In: Zhang, Z.-Q. (Ed.) Animal Biodiversity: An Outline of Higher-level Classification and Survey of Taxonomic Richness (Addenda) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.5	52
63	Termites live in a pear-shaped world: a response to Platnick. Journal of Natural History, 1994, 28, 1209-1212.	0.5	51
64	Comparisons of dipteran, hymenopteran and coleopteran parasitoids: provisional phylogenetic explanations. Biological Journal of the Linnean Society, 1993, 48, 213-226.	1.6	49
65	Impacts of canopy cover on soil termite assemblages in an agrisilvicultural system in southern Cameroon. Bulletin of Entomological Research, 1999, 89, 125-132.	1.0	48
66	Assemblages of soil macrofauna across a Scottish land-use intensification gradient: influences of habitat quality, heterogeneity and area. Journal of Applied Ecology, 2005, 42, 1153-1164.	4.0	47
67	Quantitative extraction of macro-invertebrates from temperate and tropical leaf litter and soil: efficiency and time-dependent taxonomic biases of the Winkler extraction. Pedobiologia, 2005, 49, 175-186.	1.2	47
68	The value of sown grass margins for enhancing soil macrofaunal biodiversity in arable systems. Agriculture, Ecosystems and Environment, 2008, 127, 119-125.	5.3	46
69	Structure and conservation of Sri Lankan landâ€snail assemblages in fragmented lowland rainforest and village home gardens. Journal of Applied Ecology, 2008, 45, 1019-1028.	4.0	44
70	Body Size and Energy Use in Termites (Isoptera): The Responses of Soil Feeders and Wood Feeders Differ in a Tropical Forest Assemblage. Oikos, 1998, 81, 525.	2.7	43
71	Response to Lo et al .. Biology Letters, 2007, 3, 564-565.	2.3	42
72	The impact of invertebrate decomposers on plants and soil. New Phytologist, 2021, 231, 2142-2149.	7.3	41

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73	Darker ants dominate the canopy: Testing macroecological hypotheses for patterns in colour along a microclimatic gradient. Journal of Animal Ecology, 2020, 89, 347-359.	2.8	38
74	Termite species description rates and the state of termite taxonomy. Insectes Sociaux, 1999, 46, 1-5.	1.2	37
75	The Effect of Rain Forest Canopy Architecture on the Distribution of Epiphytic Ferns (Asplenium) Tj ETQq1 1 0.784314 rgBT /O	1.6	37
76	First comparison of quantitative estimates of termite biomass and abundance reveals strong intercontinental differences. Journal of Tropical Ecology, 2014, 30, 143-152.	1.1	37
77	Methane emission by termites and oxidation by soils, across a forest disturbance gradient in the Mbalmayo Forest Reserve, Cameroon. Global Change Biology, 1998, 4, 409-418.	9.5	36
78	Symbiogenesis: Beyond the endosymbiosis theory?. Journal of Theoretical Biology, 2017, 434, 99-103.	1.7	36
79	PRIORITISING SOIL QUALITY ASSESSMENT THROUGH THE SCREENING OF SITES: THE USE OF PUBLICLY COLLECTED DATA. Land Degradation and Development, 2014, 25, 251-266.	3.9	35
80	Experimentally testing and assessing the predictive power of species assembly rules for tropical canopy ants. Ecology Letters, 2015, 18, 254-262.	6.4	35
81	Seasonality of soil termites in a humid tropical forest, Mbalmayo, southern Cameroon. Journal of Tropical Ecology, 1998, 14, 841-850.	1.1	33
82	Public Participation in Soil Surveys: Lessons from a Pilot Study in England. Environmental Science & Technology, 2012, 46, 3687-3696.	10.0	33
83	Evaluating the efficiency of sampling methods in assessing soil macrofauna communities in arable systems. European Journal of Soil Biology, 2008, 44, 271-276.	3.2	32
84	Suppression of savanna ants alters invertebrate composition and influences key ecosystem processes. Ecology, 2016, 97, 1611-1617.	3.2	32
85	Termite environmental tolerances are more linked to desiccation than temperature in modified tropical forests. Insectes Sociaux, 2019, 66, 57-64.	1.2	32
86	On the respiratory quotient (RQ) of termites (Insecta: Isoptera). Journal of Insect Physiology, 1997, 43, 749-758.	2.0	31
87	Baseline biodiversity surveys of the soil macrofauna of Londonâ€™s green spaces. Urban Ecosystems, 2006, 9, 337-349.	2.4	31
88	The termites of the Mayombe Forest Reserve, Congo (Brazzaville): transect sampling reveals an extremely high diversity of ground-nesting soil feeders. Journal of Natural History, 2002, 36, 1239-1246.	0.5	27
89	The oldest known mastotermitids (Blattodea: Termitoidae) and phylogeny of basal termites. Systematic Entomology, 2019, 44, 612-623.	3.9	27
90	Termite soldier defence strategies: a reassessment of Prestwich's classification and an examination of the evolution of defence morphology using extended eigenshape analyses of head morphology. Zoological Journal of the Linnean Society, 2008, 153, 631-650.	2.3	26

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91	From Chemical Risk Assessment to Environmental Quality Management: The Challenge for Soil Protection. Environmental Science & Technology, 2011, 45, 104-110.	10.0	26
92	Anthropogenic effects on interaction outcomes: examples from insect-microbial symbioses in forest and savanna ecosystems. Symbiosis, 2011, 53, 101-121.	2.3	26
93	Assessing the Relative Efficiency of Termite Sampling Methods along a Rainfall Gradient in African Savannas. Biotropica, 2013, 45, 474-479.	1.6	26
94	Species composition of termites of the Nyika plateau forests, northern Malawi, over an altitudinal gradient. African Journal of Ecology, 2002, 40, 379-385.	0.9	25
95	Global Biogeography of Termites: A Compilation of Sources. , 2010, , 477-498.		25
96	Can higher taxa be used as a surrogate for species-level data in biodiversity surveys of litter/soil insects?. Journal of Insect Conservation, 2012, 16, 87-92.	1.4	25
97	Woody encroachment slows decomposition and termite activity in an African savanna. Global Change Biology, 2018, 24, 2597-2606.	9.5	25
98	Suspended Dead Wood Decomposes Slowly in the Tropics, with Microbial Decay Greater than Termite Decay. Ecosystems, 2019, 22, 1176-1188.	3.4	25
99	Interactive Effects of Fire, Rainfall, and Litter Quality on Decomposition in Savannas: Frequent Fire Leads to Contrasting Effects. Ecosystems, 2013, 16, 866-880.	3.4	23
100	The effect of termite biomass and anthropogenic disturbance on the CH4 budgets of tropical forests in Cameroon and Borneo. Global Change Biology, 1999, 5, 869-879.	9.5	22
101	Carbon flux and forest dynamics: Increased deadwood decomposition in tropical rainforest treeâ€fall canopy gaps. Global Change Biology, 2021, 27, 1601-1613.	9.5	22
102	Order Blattodea Brunner von Wattenwyl, 1882. In: Zhang, Z.-Q. (Ed.) Animal biodiversity: An outline of higher-level classification and survey of taxonomic richness. Zootaxa, 2011, 3148, .	0.5	21
103	Logging of rainforest and conversion to oil palm reduces bioturbator diversity but not levels of bioturbation. Applied Soil Ecology, 2019, 144, 123-133.	4.3	21
104	Fragmentation and preâ€existing species turnover determine landâ€snail assemblages of tropical rain forest. Journal of Biogeography, 2009, 36, 1923-1938.	3.0	20
105	Methods for Sampling Termites. , 0, , 221-253.		19
106	Respiratory gas exchanges of termites from the Sabah (Borneo) assemblage. Physiological Entomology, 1999, 24, 11-17.	1.5	18
107	Biodiversity hanging by a thread: the importance of fungal litter-trapping systems in tropical rainforests. Biology Letters, 2012, 8, 397-400.	2.3	18
108	Distribution and genetic variation of Reticulitermes (Isoptera: Rhinotermitidae) in Portugal. Heredity, 2006, 96, 403-409.	2.6	17

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109	Biodiversity of soil macrofauna in the New Forest: a benchmark study across a national park landscape. Biodiversity and Conservation, 2012, 21, 3385-3410.	2.6	17
110	Describing termite assemblage structure in a Peruvian lowland tropical rain forest: a comparison of two alternative methods. Insectes Sociaux, 2015, 62, 141-150.	1.2	17
111	Patterns in male mating strategies of the Rhyssini: a holophyletic group of parasitoid wasps (Hymenoptera: Ichneumonidae). Animal Behaviour, 1991, 41, 829-837.	1.9	16
112	The Termite Gut Habitat: Its Evolution and Co-Evolution. , 2006, , 373-404.		16
113	Mapping of earthworm distribution for the British Isles and Eire highlights the under-recording of an ecologically important group. Biodiversity and Conservation, 2012, 21, 475-485.	2.6	16
114	Public goods, public services and byâ€product mutualism in an antâ€“fern symbiosis. Oikos, 2012, 121, 1279-1286.	2.7	14
115	Male reproductive behaviour of the parasitoid wasp Lytarmes maculipennis (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.2	13
116	Termite Phylogenetics and Co-cladogenesis with Symbionts. , 2010, , 27-50.		13
117	Termites promote soil carbon and nitrogen depletion: Results from an in situ macrofauna exclusion experiment, Peru. Soil Biology and Biochemistry, 2014, 77, 109-111.	8.8	13
118	The role of earthworm communities in soil mineral weathering: a field experiment. Mineralogical Magazine, 2008, 72, 33-36.	1.4	12
119	Patterns and drivers of lichen species composition in a NW-European lowland deciduous woodland complex. Biodiversity and Conservation, 2017, 26, 401-419.	2.6	12
120	Assessing the Australian Termite Diversity Anomaly: How Habitat and Rainfall Affect Termite Assemblages. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	12
121	Morphological phylogenetics of termites (Isoptera). Biological Journal of the Linnean Society, 2000, 70, 467-513.	1.6	12
122	Sampling termites in forest habitats: A reply to Roisin and Leponce. Austral Ecology, 2006, 31, 429-431.	1.5	11
123	The impact of two arable field margin management schemes on litter decomposition. Applied Soil Ecology, 2009, 41, 90-97.	4.3	11
124	Detection of Mitochondrial COII DNA Sequences in Ant Guts as a Method for Assessing Termite Predation by Ants. PLoS ONE, 2015, 10, e0122533.	2.5	10
125	Microhabitat heterogeneity enhances soil macrofauna and plant species diversity in an Ash â€“ Field Maple woodland. European Journal of Soil Biology, 2016, 75, 97-106.	3.2	10
126	Invertebrates and the complexity of tropical ecosystems. Biotropica, 2020, 52, 207-214.	1.6	10

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127	Molecular phylogenetic profiling of prokaryotic communities in guts of termites with different feeding habits. FEMS Microbiology Ecology, 2001, 35, 27-36.	2.7	9
128	Earthworm distributions are not driven by measurable soil properties. Do they really indicate soil quality?. PLoS ONE, 2021, 16, e0241945.	2.5	8
129	Density-body mass relationships: Inconsistent intercontinental patterns among termite feeding-groups. Acta Oecologica, 2015, 63, 16-21.	1.1	6
130	Strong but taxonâ€specific responses of termites and woodâ€nesting ants to forest regeneration in Borneo. Biotropica, 2018, 50, 266-273.	1.6	6
131	The Plasticity and Developmental Potential of Termites. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	6
132	Clarifying Terrestrial Recycling Pathways. Trends in Ecology and Evolution, 2021, 36, 9-11.	8.7	5
133	Termites have wider thermal limits to cope with environmental conditions in savannas. Journal of Animal Ecology, 2022, 91, 766-779.	2.8	5
134	Drought and presence of ants can influence hemiptera in tropicalÂleaf litter. Biotropica, 2020, 52, 221-229.	1.6	4
135	Assessing high compositional differences of beetle assemblages across vertical woodland strata in the New Forest, Hampshire, England. Journal of Natural History, 2016, 50, 2477-2485.	0.5	3
136	Spatial structure of rainforest termites: Two matched pioneering crossâ€continental case studies. Biotropica, 2021, 53, 1178-1190.	1.6	3
137	Differences in nest structure influence the importance ofFormica rufagroup (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.5	2
138	Ant diversity as a direct and indirect driver of pselaphine rove beetle (Coleoptera: Staphylinidae) functional diversity in tropical rainforests, Sabah, Malaysian Borneo. Journal of Morphology, 2018, 279, 981-996.	1.2	1
139	Tropical terrestrial invertebratesâ€"Where to from here?. Biotropica, 2020, 52, 392-395.	1.6	1
140	Key Roles of Dipterocarpaceae, Bark Type Diversity and Tree Size in Lowland Rainforests of Northeast Borneoâ€"Using Functional Traits of Lichens to Distinguish Plots of Old Growth and Regenerating Logged Forests. Microorganisms, 2021, 9, 541.	3.6	1
141	Tourist species bias estimates of extrapolated species density in dispersive taxa: a case study from a litter beetle assemblage in temperate woodland. Community Ecology, 2021, 22, 107-112.	0.9	1
142	Termite diversity is resilient to landâ€use change along a forestâ€cocoa intensification gradient in Ghana, West Africa. Biotropica, 0, , .	1.6	0