

Theodore A Evans

List of Publications by Year in descending order

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102
papers

4,046
citations

126907

33
h-index

133252

59
g-index

105
all docs

105
docs citations

105
times ranked

4035
citing authors

#	ARTICLE	IF	CITATIONS
1	Microhabitats reduce animal's exposure to climate extremes. <i>Global Change Biology</i> , 2014, 20, 495-503.	9.5	353
2	The Evolutionary History of Termites as Inferred from 66 Mitochondrial Genomes. <i>Molecular Biology and Evolution</i> , 2015, 32, 406-421.	8.9	268
3	Biology of Invasive Termites: A Worldwide Review. <i>Annual Review of Entomology</i> , 2013, 58, 455-474.	11.8	224
4	Ants and termites increase crop yield in a dry climate. <i>Nature Communications</i> , 2011, 2, 262.	12.8	178
5	The phylogeny of termites (Dictyoptera: Isoptera) based on mitochondrial and nuclear markers: Implications for the evolution of the worker and pseudergate castes, and foraging behaviors. <i>Molecular Phylogenetics and Evolution</i> , 2008, 48, 615-627.	2.7	164
6	A mitochondrial genome phylogeny of termites (Blattodea: Termitoidae): Robust support for interfamilial relationships and molecular synapomorphies define major clades. <i>Molecular Phylogenetics and Evolution</i> , 2012, 65, 163-173.	2.7	127
7	Denial of long-term issues with agriculture on tropical peatlands will have devastating consequences. <i>Global Change Biology</i> , 2017, 23, 977-982.	9.5	114
8	Termites assess wood size by using vibration signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3732-3737.	7.1	109
9	Economic and Environmental Impacts of Harmful Non-Indigenous Species in Southeast Asia. <i>PLoS ONE</i> , 2013, 8, e71255.	2.5	103
10	Rampant Host Switching Shaped the Termite Gut Microbiome. <i>Current Biology</i> , 2018, 28, 649-654.e2.	3.9	101
11	Termites mitigate the effects of drought in tropical rainforest. <i>Science</i> , 2019, 363, 174-177.	12.6	98
12	Mitochondrial Phylogenomics Resolves the Global Spread of Higher Termites, Ecosystem Engineers of the Tropics. <i>Molecular Biology and Evolution</i> , 2017, 34, msw253.	8.9	89
13	Ants are the major agents of resource removal from tropical rainforests. <i>Journal of Animal Ecology</i> , 2018, 87, 293-300.	2.8	88
14	Carbon emissions from South-East Asian peatlands will increase despite emission-reduction schemes. <i>Global Change Biology</i> , 2018, 24, 4598-4613.	9.5	76
15	Oceanic dispersal, vicariance and human introduction shaped the modern distribution of the termites <i>Reticulitermes</i> , <i>Heterotermes</i> and <i>Coptotermes</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160179.	2.6	73
16	Transoceanic Dispersal and Plate Tectonics Shaped Global Cockroach Distributions: Evidence from Mitochondrial Phylogenomics. <i>Molecular Biology and Evolution</i> , 2018, 35, 970-983.	8.9	73
17	Microhabitats in the tropics buffer temperature in a globally coherent manner. <i>Biology Letters</i> , 2014, 10, 20140819.	2.3	72
18	Revisiting <i>Coptotermes</i> (Isoptera: Rhinotermitidae): a global taxonomic road map for species validity and distribution of an economically important subterranean termite genus. <i>Systematic Entomology</i> , 2016, 41, 299-306.	3.9	65

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19	Termite (order Blattodea, infraorder Isoptera) baiting 20 years after commercial release. <i>Pest Management Science</i> , 2015, 71, 897-906.	3.4	63
20	Termites eavesdrop to avoid competitors. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 4035-4041.	2.6	62
21	Testing assumptions of mark-recapture protocols for estimating population size using Australian mound-building, subterranean termites. <i>Ecological Entomology</i> , 1998, 23, 139-159.	2.2	61
22	Making a meal of mother. <i>Nature</i> , 1995, 376, 299-299.	27.8	60
23	Foraging vibration signals attract foragers and identify food size in the drywood termite, <i>Cryptotermes secundus</i> . <i>Insectes Sociaux</i> , 2007, 54, 374-382.	1.2	60
24	Kin recognition in a social spider. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 287-292.	2.6	56
25	Termites can decompose more than half of deadwood in tropical rainforest. <i>Current Biology</i> , 2019, 29, R118-R119.	3.9	55
26	Cryptic termites avoid predatory ants by eavesdropping on vibrational cues from their footsteps. <i>Ecology Letters</i> , 2017, 20, 212-221.	6.4	48
27	Estimating Population Size and Forager Movement in a Tropical Subterranean Termite (Isoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 1.4 47	1.4	47
28	Foraging strategies in orb-spinning spiders: Ambient light and silk decorations in <i>Argiope aetherea</i> Walckenaer (Araneae: Araneioidea). <i>Austral Ecology</i> , 1996, 21, 464-467.	1.5	43
29	Seasonal and daily activity patterns of subterranean, wood-eating termite foragers. <i>Australian Journal of Zoology</i> , 2001, 49, 311.	1.0	41
30	The influence of soil heterogeneity on exploratory tunnelling by the subterranean termite <i>Coptotermes frenchi</i> (Isoptera: Rhinotermitidae). <i>Bulletin of Entomological Research</i> , 2003, 93, 413-423.	1.0	39
31	Factors influencing the evolution of social behaviour in Australian crab spiders (Araneae: Tj ETQq1 1 0.784314 rgBT /Overlock 1.6 10 Tf 35	1.6	35
32	Termites utilise clay to build structural supports and so increase foraging resources. <i>Scientific Reports</i> , 2016, 6, 20990.	3.3	35
33	Phylogenetic diversity of the intracellular symbiont <i>Wolbachia</i> in termites. <i>Molecular Phylogenetics and Evolution</i> , 2007, 44, 461-466.	2.7	34
34	Rapid Elimination of Field Colonies of Subterranean Termites (Isoptera: Rhinotermitidae) Using Bistrifluron Solid Bait Pellets. <i>Journal of Economic Entomology</i> , 2010, 103, 423-432.	1.8	32
35	Suppression of savanna ants alters invertebrate composition and influences key ecosystem processes. <i>Ecology</i> , 2016, 97, 1611-1617.	3.2	32
36	Localised climate change defines ant communities in human-modified tropical landscapes. <i>Functional Ecology</i> , 2021, 35, 1094-1108.	3.6	30

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37	Attraction between social crab spiders: silk pheromones in <i>Diaea socialis</i> . <i>Behavioral Ecology</i> , 1993, 4, 99-105.	2.2	29
38	The effect of bait design on bait consumption in termites (Isoptera: Rhinotermitidae). <i>Bulletin of Entomological Research</i> , 2006, 96, 85-90.	1.0	29
39	Foraging and building in subterranean termites: task switchers or reserve labourers?. <i>Insectes Sociaux</i> , 2006, 53, 56-64.	1.2	29
40	Conservation genomics reveals possible illegal trade routes and admixture across pangolin lineages in Southeast Asia. <i>Conservation Genetics</i> , 2018, 19, 1083-1095.	1.5	29
41	Effect of Vibratory Soldier Alarm Signals on the Foraging Behavior of Subterranean Termites (Isoptera: Rhinotermitidae). <i>Journal of Economic Entomology</i> , 2009, 102, 121-126.	1.8	26
42	Distribution of social crab spiders in eucalypt forests. <i>Austral Ecology</i> , 1997, 22, 107-111.	1.5	25
43	Termites live in a material world: exploration of their ability to differentiate between food sources. <i>Journal of the Royal Society Interface</i> , 2007, 4, 735-744.	3.4	25
44	The origins and radiation of Australian <i>Coptotermes</i> termites: From rainforest to desert dwellers. <i>Molecular Phylogenetics and Evolution</i> , 2015, 82, 234-244.	2.7	25
45	Nestmate relatedness and population genetic structure of the Australian social crab spider <i>Diaea ergandros</i> (Araneae: Thomisidae). <i>Molecular Ecology</i> , 2008, 11, 2307-2316.	3.9	23
46	Cannibalism and kin recognition in <i>Delena cancerides</i> (Araneae: Sparassidae), a social huntsman spider. <i>Journal of Zoology</i> , 2007, 271, 233-237.	1.7	22
47	Differential Use of Identical Food Resources by <i>Reticulitermes flavipes</i> (Isoptera: Termitidae). <i>Journal of Economic Entomology</i> , 2014, 47, 107-114.	1.4	21
48	Historical biogeography of the termite clade Rhinotermitinae (Blattodea: Isoptera). <i>Molecular Phylogenetics and Evolution</i> , 2019, 132, 100-104.	2.7	21
49	Foraging choice and replacement reproductive facilitation in drywood termites. <i>Biological Invasions</i> , 2011, 13, 1579-1587.	2.4	20
50	Parallel evolution of mound-building and grass-feeding in Australian nasute termites. <i>Biology Letters</i> , 2017, 13, 20160665.	2.3	20
51	Tunnel specificity and forager movement in subterranean termites (Isoptera: Rhinotermitidae) and <i>Reticulitermes flavipes</i> . <i>Journal of Economic Entomology</i> , 2010, 43, 107-114.	1.0	19
52	Cryoprotection in dampwood termites (Termopsidae, Isoptera). <i>Journal of Insect Physiology</i> , 2010, 56, 1-7.	2.0	19
53	The Termite Worker Phenotype Evolved as a Dispersal Strategy for Fertile Wingless Individuals before Eusociality. <i>American Naturalist</i> , 2016, 187, 372-387.	2.1	19
54	Resistance of polyamide and polyethylene cable sheathings to termites in Australia, Thailand, USA, Malaysia and Japan: A comparison of four field assessment methods. <i>International Biodeterioration and Biodegradation</i> , 2012, 66, 53-62.	3.9	18

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55	Global spread of the German cockroach, <i>Blattella germanica</i> . <i>Biological Invasions</i> , 2019, 21, 693-707.	2.4	18
56	Not just urban: The Formosan subterranean termite, <i>Coptotermes formosanus</i> , is invading forests in the Southeastern USA. <i>Biological Invasions</i> , 2019, 21, 1283-1294.	2.4	17
57	Distance to forest, mammal and bird dispersal drive natural regeneration on degraded tropical peatland. <i>Forest Ecology and Management</i> , 2020, 461, 117868.	3.2	17
58	Invasive Termites. , 2010, , 519-562.		16
59	Predicting ecological impacts of invasive termites. <i>Current Opinion in Insect Science</i> , 2021, 46, 88-94.	4.4	16
60	Estimating Relative Decline in Populations of Subterranean Termites (Isoptera: Rhinotermitidae) Due To Baiting. <i>Journal of Economic Entomology</i> , 2001, 94, 1602-1609.	1.8	15
61	Key physical wood properties in termite foraging decisions. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180505.	3.4	15
62	Revisiting stigmergy in light of multi-functional, biogenic, termite structures as communication channel. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2522-2534.	4.1	15
63	Dynamic switching in predator attack and maternal defence of prey. <i>Biological Journal of the Linnean Society</i> , 2016, 118, 901-910.	1.6	14
64	Evaluation of fipronil and imidacloprid as bait active ingredients against fungus-growing termites (Blattodea: Termitidae: Macrotermitinae). <i>Bulletin of Entomological Research</i> , 2018, 108, 14-22.	1.0	14
65	Complete mitochondrial genomes from transcriptomes: assessing pros and cons of data mining for assembling new mitogenomes. <i>Scientific Reports</i> , 2019, 9, 14806.	3.3	14
66	Termites manipulate moisture content of wood to maximize foraging resources. <i>Biology Letters</i> , 2019, 15, 20190365.	2.3	13
67	Ability of Field Populations of <i>Coptotermes</i> spp., <i>Reticulitermes flavipes</i> , and <i>Mastotermes darwiniensis</i> (Isoptera: Rhinotermitidae). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10, Tj 1395-1403.</i>	1.85	12
68	Ecological diversification of the Australian <i>Coptotermes</i> termites and the evolution of mound building. <i>Journal of Biogeography</i> , 2017, 44, 1405-1417.	3.0	12
69	Validation and extension of the Tea Bag Index to collect decomposition data from termite-rich ecosystems. <i>Pedobiologia</i> , 2020, 80, 150639.	1.2	12
70	Molecular Phylogeny Reveals the Past Transoceanic Voyages of Drywood Termites (Isoptera.) <i>Tj ETQq0 0 0 rgBT /Overlock 10, Tj 50 142</i>	8.9	12
71	Male work and sex ratio in social crab spiders. <i>Insectes Sociaux</i> , 2000, 47, 285-288.	1.2	11
72	Comparing mark-recapture and constant removal protocols for estimating forager population size of the subterranean termite <i>Coptotermes lacteus</i> (Isoptera: Rhinotermitidae). <i>Bulletin of Entomological Research</i> , 2004, 94, 1-9.	1.0	11

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73	An Innovative Signal Processing Method to Extract Ants' Walking Signals. <i>Acoustics Australia</i> , 2015, 43, 87-96.	2.4	11
74	Phylogeny, biogeography and classification of Teletisoptera (Blattaria: Isoptera). <i>Systematic Entomology</i> , 2022, 47, 581-590.	3.9	11
75	Microsatellite markers in the primitive termite <i>Mastotermes darwiniensis</i> . <i>Molecular Ecology Notes</i> , 2001, 1, 250-251.	1.7	10
76	Ant and termite communities in isolated and continuous forest fragments in Singapore. <i>Insectes Sociaux</i> , 2017, 64, 505-514.	1.2	10
77	Antennal cropping during colony foundation in termites. <i>ZooKeys</i> , 2011, 148, 185-196.	1.1	9
78	Direct measurement of ant predation of weed seeds in wheat cropping. <i>Journal of Applied Ecology</i> , 2016, 53, 1177-1185.	4.0	9
79	Determining urban exploiter status of a termite using genetic analysis. <i>Urban Ecosystems</i> , 2017, 20, 535-545.	2.4	9
80	Quantifying Ant Activity Using Vibration Measurements. <i>PLoS ONE</i> , 2014, 9, e90902.	2.5	8
81	Population structure of the German cockroach, <i>Blattella germanica</i> , shows two expansions across China. <i>Biological Invasions</i> , 2016, 18, 2391-2402.	2.4	7
82	Phenotypic plasticity but no adaptive divergence in cuticular hydrocarbons and desiccation resistance among translocated populations of dung beetles. <i>Evolutionary Ecology</i> , 2020, 34, 929-944.	1.2	7
83	Physical Basis of Vibrational Behaviour: Channel Properties, Noise and Excitation Signal Extraction. <i>Animal Signals and Communication</i> , 2019, , 53-78.	0.8	7
84	Factors influencing the evolution of social behaviour in Australian crab spiders (Araneae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (1.6	6
85	Novel Method for Pairing Wood Samples in Choice Tests. <i>PLoS ONE</i> , 2014, 9, e88835.	2.5	5
86	Foraging activity and population estimation of <i>Microtermes mycophagus</i> ... <i>Entomological Research</i> , 2015, 45, 51-57.	1.1	5
87	Evaluation of fipronil baits against <i>Microtermes mycophagus</i> (Blattodea: Termitidae). <i>Canadian Entomologist</i> , 2016, 148, 343-352.	0.8	5
88	The Dominance Hierarchy of Wood-Eating Termites from China. <i>Insects</i> , 2019, 10, 210.	2.2	5
89	Submillimetre mechanistic designs of termite-built structures. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20200957.	3.4	5
90	International Field Trials of Pyrethroid-Treated Wood Exposed to <i>Coptotermes acinaciformis</i> and <i>Coptotermes formosanus</i> (Isoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57 Td	1.1	5

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91	Termite diversity and species composition in heath forests, mixed dipterocarp forests, and pristine and selectively logged tropical peat swamp forests in Brunei. <i>Insectes Sociaux</i> , 2018, 65, 439-444.	1.2	4
92	Drought and presence of ants can influence hemiptera in tropical leaf litter. <i>Biotropica</i> , 2020, 52, 221-229.	1.6	4
93	Optimal Reproduction Strategies in Two Species of Mound-Building Termites. <i>Bulletin of Mathematical Biology</i> , 2008, 70, 189-209.	1.9	3
94	Bait station preferences in two <i>Macrotermes</i> species. <i>Journal of Pest Science</i> , 2017, 90, 217-225.	3.7	3
95	A review of the status of <i>Coptotermes</i> (Isoptera : Rhinotermitidae) species in Australia with the description of two new small termite species from northern and eastern Australia. <i>Invertebrate Systematics</i> , 2017, 31, 180.	1.3	3
96	Water Costs of Gas Exchange by a Speckled Cockroach and a Darkling Beetle. <i>Insects</i> , 2020, 11, 632.	2.2	2
97	Estimating carbon biomass in forests using incomplete data. <i>Biotropica</i> , 2021, 53, 397-408.	1.6	2
98	High numbers of unrelated reproductives in the Australian "higher" termite <i>Nasutitermes exitiosus</i> (Blattodea: Termitidae). <i>Insectes Sociaux</i> , 2020, 67, 281-294.	1.2	1
99	Second Record and DNA Barcode of the Ant <i>Tyranomyrmex rex</i> Fernández (Hymenoptera: Formicidae: Tj ETQq1 1 0.784314 rgBT / 0.5 1		
100	Low radiodensity μ CT scans to reveal detailed morphology of the termite leg and its subgenual organ. <i>Arthropod Structure and Development</i> , 2022, 70, 101191.	1.4	1
101	Novel methods of termite management: applicaton to cultural properties. <i>AICCM Bulletin</i> , 2003, 28, 52-61.	0.1	0
102	A microsatellite-based test of the <i>Reticulitermes speratus</i> genetic caste determination model in <i>Coptotermes lacteus</i> . <i>Insectes Sociaux</i> , 2011, 58, 365-370.	1.2	0