Thomas Bourguignon

List of Publications by Year
in descending order

86	2,403	304743 22	265206 42
papers	citations	h-index	g-index

96	96	96	1693
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Evolutionary History of Termites as Inferred from 66 Mitochondrial Genomes. Molecular Biology and Evolution, 2015, 32, 406-421.	8.9	268
2	A mitochondrial genome phylogeny of termites (Blattodea: Termitoidae): Robust support for interfamilial relationships and molecular synapomorphies define major clades. Molecular Phylogenetics and Evolution, 2012, 65, 163-173.	2.7	127
3	Evolution of Termite Symbiosis Informed by Transcriptome-Based Phylogenies. Current Biology, 2019, 29, 3728-3734.e4.	3.9	110
4	Termites. Soil Science, 2016, 181, 157-165.	0.9	105
5	Rampant Host Switching Shaped the Termite Gut Microbiome. Current Biology, 2018, 28, 649-654.e2.	3.9	101
6	Mitochondrial Phylogenomics Resolves the Global Spread of Higher Termites, Ecosystem Engineers of the Tropics. Molecular Biology and Evolution, 2017, 34, msw253.	8.9	89
7	(E,E)-Î±-Farnesene, an Alarm Pheromone of the Termite Prorhinotermes canalifrons. Journal of Chemical Ecology, 2008, 34, 478-486.	1.8	73
8	Oceanic dispersal, vicariance and human introduction shaped the modern distribution of the termitesReticulitermes,HeterotermesandCoptotermes. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160179.	2.6	73
9	Transoceanic Dispersal and Plate Tectonics Shaped Global Cockroach Distributions: Evidence from Mitochondrial Phylogenomics. Molecular Biology and Evolution, 2018, 35, 970-983.	8.9	73
10	Feeding ecology and phylogenetic structure of a complex neotropical termite assemblage, revealed by nitrogen stable isotope ratios. Ecological Entomology, 2011, 36, 261-269.	2.2	72
11	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
12	Termite evolution: mutualistic associations, key innovations, and the rise of Termitidae. Cellular and Molecular Life Sciences, 2021, 78, 2749-2769.	5.4	63
13	Explosive Backpacks in Old Termite Workers. Science, 2012, 337, 436-436.	12.6	61
14	Increased Mutation Rate Is Linked to Genome Reduction in Prokaryotes. Current Biology, 2020, 30, 3848-3855.e4.	3.9	44
15	Niche differentiation among neotropical soldierless soil-feeding termites revealed by stable isotope ratios. Soil Biology and Biochemistry, 2009, 41, 2038-2043.	8.8	43
16	Structure and function of defensive glands in soldiers of Glossotermes oculatus (Isoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td	1.6	39
17	The soldierless Apicotermitinae: insights into a poorly known and ecologically dominant tropical taxon. Insectes Sociaux, 2016, 63, 39-50.	1.2	35
18	The functional evolution of termite gut microbiota. Microbiome, 2022, 10, .	11.1	35

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19	The frontal gland in workers of Neotropical soldierless termites. Die Naturwissenschaften, 2010, 97, 495-503.	1.6	33
20	Beta-Diversity of Termite Assemblages Among Primary French Guiana Rain Forests. Biotropica, 2011, 43, 473-479.	1.6	33
21	Towards a revision of the Neotropical soldierless termites (Isoptera:Termitidae): redescription of the genus Anoplotermes and description of Longustitermes, gen. nov.. Invertebrate Systematics, 2010, 24, 357.	1.3	32
22	Comparative Study of the Labial Gland Secretion in Termites (Isoptera). PLoS ONE, 2012, 7, e46431.	2.5	31
23	Unmapped RNA Virus Diversity in Termites and Their Symbionts. Viruses, 2020, 12, 1145.	3.3	28
24	Sexual communication in the termite Prorhinotermes simplex (Isoptera, Rhinotermitidae) mediated by a pheromone from female tergal glands. Insectes Sociaux, 2009, 56, 111-118.	1.2	26
25	Phylogenetic position of the enigmatic termite family Stylotermitidae (Insecta : Blattodea). Invertebrate Systematics, 2018, 32, 1111.	1.3	25
26	Developmental pathways of Glossotermes oculatus (Isoptera, Serritermitidae): at the crossâ€roads of worker caste evolution in termites. Evolution & Development, 2009, 11, 659-668.	2.0	24
27	Complex alarm strategy in the most basal termite species. Behavioral Ecology and Sociobiology, 2015, 69, 1945-1955.	1.4	24
28	Temporal and geographic variations in the morphology and chemical composition of the frontal gland in imagoes of Prorhinotermes species (Isoptera: Rhinotermitidae). Biological Journal of the Linnean Society, 0, 98, 384-392.	1.6	23
29	Towards a revision of the Neotropical soldierless termites (Isoptera: Termitidae): redescription of the genusGrigiotermesâ€¦Mathews and description of five new genera. Zoological Journal of the Linnean Society, 2016, 176, 15-35.	2.3	23
30	Insights into the termite assemblage of a neotropical rainforest from the spatioâ€temporal distribution of flying alates. Insect Conservation and Diversity, 2009, 2, 153-162.	3.0	22
31	Revision of the termite family Rhinotermitidae (Isoptera) in New Guinea. ZooKeys, 2011, 148, 55-103.	1.1	22
32	Historical biogeography of the termite clade Rhinotermitinae (Blattodea: Isoptera). Molecular Phylogenetics and Evolution, 2019, 132, 100-104.	2.7	21
33	Are the spatio-temporal dynamics of soil-feeding termite colonies shaped by intra-specific competition?. Ecological Entomology, 2011, 36, 776-785.	2.2	20
34	Not Only Soldiers Have Weapons: Evolution of the Frontal Gland in Imagoes of the Termite Families Rhinotermitidae and Serritermitidae. PLoS ONE, 2010, 5, e15761.	2.5	19
35	Delineating species boundaries using an iterative taxonomic approach: The case of soldierless termites (Isoptera, Termitidae, Apicotermitinae). Molecular Phylogenetics and Evolution, 2013, 69, 694-703.	2.7	19
36	The Termite Worker Phenotype Evolved as a Dispersal Strategy for Fertile Wingless Individuals before Eusociality. American Naturalist, 2016, 187, 372-387.	2.1	19

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37	Molecular Mechanism of the Two-Component Suicidal Weapon ofNeocapritermes taracuaOld Workers. Molecular Biology and Evolution, 2016, 33, 809-819.	8.9	19
38	Global spread of the German cockroach, Blattella germanica. Biological Invasions, 2019, 21, 693-707.	2.4	18
39	Age-dependent changes in ultrastructure of the defensive glands of Neocapritermes taracua workers (Isoptera, Termitidae). Arthropod Structure and Development, 2014, 43, 205-210.	1.4	17
40	Evolutionary rates are correlated between cockroach symbionts and mitochondrial genomes. Biology Letters, 2020, 16, 20190702.	2.3	17
41	Nonadecadienone, a New Termite Trail-Following Pheromone Identified in Glossotermes oculatus (Serritermitidae). Chemical Senses, 2012, 37, 55-63.	2.0	16
42	Modern termites inherited the potential of collective construction from their common ancestor. Ecology and Evolution, 2020, 10, 6775-6784.	1.9	16
43	Influence of Soil Properties on Soldierless Termite Distribution. PLoS ONE, 2015, 10, e0135341.	2.5	16
44	Skewed soldier sex ratio in termites: testing the size-threshold hypothesis. Insectes Sociaux, 2012, 59, 557-563.	1.2	15
45	Functional transformation series and the evolutionary origin of novel forms: evidence from a remarkable termite defensive organ. Evolution & Development, 2016, 18, 78-88.	2.0	14
46	Parallel and Gradual Genome Erosion in the Blattabacterium Endosymbionts of Mastotermes darwiniensis and Cryptocercus Wood Roaches. Genome Biology and Evolution, 2018, 10, 1622-1630.	2.5	14
47	Complete mitochondrial genomes from transcriptomes: assessing pros and cons of data mining for assembling new mitogenomes. Scientific Reports, 2019, 9, 14806.	3.3	14
48	Ocean currents promote rare species diversity in protists. Science Advances, 2020, 6, eaaz9037.	10.3	13
49	Enhanced Mutation Rate, Relaxed Selection, and the â€œDomino Effectâ€•are associated with Gene Loss in Blattabacterium, A Cockroach Endosymbiont. Molecular Biology and Evolution, 2021, 38, 3820-3831.	8.9	13
50	Roisinitermes ebogoensis gen. & sp. n., an outstanding drywood termite with snapping soldiers from Cameroon (Isoptera, Kalotermitidae). ZooKeys, 2018, 787, 91-105.	1.1	13
51	Developmental Pathways of Psammotermes hybostoma (Isoptera: Rhinotermitidae): Old Pseudergates Make up a New Sterile Caste. PLoS ONE, 2012, 7, e44527.	2.5	12
52	The clypeal gland: A new exocrine gland in termite imagoes (Isoptera: Serritermitidae, Rhinotermitidae,) Tj ETQq0 0 0 rgBT /Overlock 10	1.4	12
53	White-gutted soldiers: simplification of the digestive tube for a non-particulate diet in higher Old World termites (Isoptera: Termitidae). Insectes Sociaux, 2017, 64, 525-533.	1.2	12
54	Construction and Characterization of Normalized cDNA Libraries by 454 Pyrosequencing and Estimation of DNA Methylation Levels in Three Distantly Related Termite Species. PLoS ONE, 2013, 8, e76678.	2.5	12

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55	Molecular Phylogeny Reveals the Past Transoceanic Voyages of Drywood Termites (Isoptera,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	8.9	12
56	Armed reproductives: Evolution of the frontal gland in imagoes of Termitidae. Arthropod Structure and Development, 2013, 42, 339-348.	1.4	11
57	The labral gland in termite soldiers. Biological Journal of the Linnean Society, 2018, 123, 535-544.	1.6	11
58	Chemical and vibratory signals used in alarm communication in the termite Reticulitermes flavipes (Rhinotermitidae). Insectes Sociaux, 2019, 66, 265-272.	1.2	11
59	Termites host specific fungal communities that differ from those in their ambient environments. Fungal Ecology, 2020, 48, 100991.	1.6	11
60	Phylogeny, biogeography and classification of Teletisoptera (Blattaria: Isoptera). Systematic Entomology, 2022, 47, 581-590.	3.9	11
61	Using ultraconserved elements to reconstruct the termite tree of life. Molecular Phylogenetics and Evolution, 2022, 173, 107520.	2.7	11
62	Mitochondrial and chemical profiles reveal a new genus and species of Neotropical termite with snapping soldiers, Palmitermes impostor (Termitidae : Termitinae). Invertebrate Systematics, 2017, 31, 394.	1.3	10
63	Ant and termite communities in isolated and continuous forest fragments in Singapore. Insectes Sociaux, 2017, 64, 505-514.	1.2	10
64	Termites Are Associated with External Species-Specific Bacterial Communities. Applied and Environmental Microbiology, 2021, 87, .	3.1	10
65	Molecular phylogeny and historical biogeography of Apicotermitinae (Blattodea: Termitidae). Systematic Entomology, 2021, 46, 741-756.	3.9	10
66	Digging deep: a revised phylogeny of Australian burrowing cockroaches (Blaberidae: Panesthiinae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 evolution of burrowing. Systematic Entomology, 2021, 46, 767-783.	3.9	9
67	Dispersal strategies in the highly polygynous ant Crematogaster (Orthocrema) pygmaea Forel (Formicidae: Myrmicinae). PLoS ONE, 2017, 12, e0178813.	2.5	9
68	The nasus gland: A new gland in soldiers of Angularitermes (Termitidae, Nasutitermitinae). Arthropod Structure and Development, 2015, 44, 401-406.	1.4	8
69	Revision of the Termitinae with snapping soldiers (Isoptera: Termitidae) from New Guinea. Zootaxa, 2008, 1769, 1.	0.5	7
70	Population structure of the German cockroach, Blattella germanica, shows two expansions across China. Biological Invasions, 2016, 18, 2391-2402.	2.4	7
71	Trail-Following Pheromones in the Termite Subfamily Syntermitinae (Blattodea, Termitoidae,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.8	7
72	The evolution of body size in termites. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211458.	2.6	7

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73	The oral gland, a new exocrine organ of termites. Arthropod Structure and Development, 2019, 51, 32-36.	1.4	5
74	Termite diversity and species composition in heath forests, mixed dipterocarp forests, and pristine and selectively logged tropical peat swamp forests in Brunei. Insectes Sociaux, 2018, 65, 439-444.	1.2	4
75	The trail-following pheromone of the termite Serritermes serrifer. Chemoecology, 2021, 31, 11-17.	1.1	4
76	Vicariance and dispersal events inferred from mitochondrial genomes and nuclear genes (18S, 28S) shaped global Cryptocercus distributions. Molecular Phylogenetics and Evolution, 2022, 166, 107318.	2.7	4
77	Taxonomy, distribution and host specificity of the termitophile tribe Trichopseniini (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.7	3
78	Termite nest evolution fostered social parasitism by termitophilous rove beetles. Evolution; International Journal of Organic Evolution, 2022, 76, 1064-1072.	2.3	3
79	Termite dispersal is influenced by their diet. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, .	2.6	3
80	Revision of the termitophilous tribe Pseudoperinthini (Coleoptera: Staphylinidae) in New Guinea. Insect Systematics and Evolution, 2006, 37, 443-456.	0.7	2
81	Female-only workers and soldiers in Schedorhinotermes intermedius are not produced by parthenogenesis. Insectes Sociaux, 2017, 64, 133-139.	1.2	2
82	The ultrastructure of the intramandibular gland in soldiers of the termite Machadotermes rigidus (Blattodea: Termitidae: Apicotermitinae). Arthropod Structure and Development, 2022, 67, 101136.	1.4	2
83	Second Record and DNA Barcode of the Ant Tyrannomyrmex rex FernÃ¡ndez (Hymenoptera: Formicidae:) Tj ETQq1 1 0.784314 rgBT /Ov	0.5	1
84	Termites: Phylogeny and Classification. , 2021, , 963-968.		0
85	Molecular systematics and biogeography of an Australian soilâ€burrowing cockroach with polymorphic males, Geoscapheus dilatatus (Blattodea: Blaberidae). Austral Entomology, 2021, 60, 317-329.	1.4	0
86	Termites: Phylogeny and Classification. , 2020, , 1-6.		0