

David Sillam-DussÃ's

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,588
citations

331670

21
h-index

377865

34
g-index

76
all docs

76
docs citations

76
times ranked

1238
citing authors

#	ARTICLE	IF	CITATIONS
1	Diet is the primary determinant of bacterial community structure in the guts of higher termites. <i>Molecular Ecology</i> , 2015, 24, 5284-5295.	3.9	143
2	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
3	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
4	Metagenomic analysis of the microbiota in the highly compartmented hindguts of six wood- or soil-feeding higher termites. <i>Microbiome</i> , 2015, 3, 56.	11.1	65
5	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
6	Uncovering the Potential of Termite Gut Microbiome for Lignocellulose Bioconversion in Anaerobic Batch Bioreactors. <i>Frontiers in Microbiology</i> , 2017, 8, 2623.	3.5	64
7	Integrative omics analysis of the termite gut system adaptation to <i>Miscanthus</i> diet identifies lignocellulose degradation enzymes. <i>Communications Biology</i> , 2020, 3, 275.	4.4	47
8	Trail-Following Pheromones in Basal Termites, with Special Reference to <i>Mastotermes darwiniensis</i> . <i>Journal of Chemical Ecology</i> , 2007, 33, 1960-1977.	1.8	43
9	Phylogenomic analysis of 589 metagenome-assembled genomes encompassing all major prokaryotic lineages from the gut of higher termites. <i>PeerJ</i> , 2020, 8, e8614.	2.0	43
10	Asexual queen succession in the higher termite <i>Embiratermes neotenicus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150260.	2.6	42
11	Neocembrene A, a major component of the trail-following pheromone in the genus <i>Prorhinotermes</i> (Insecta, Isoptera, Rhinotermitidae). <i>Chemoecology</i> , 2005, 15, 1-6.	1.1	38
12	Identification by GC-EAD of the two-component trail-following pheromone of <i>Prorhinotermes simplex</i> (Isoptera, Rhinotermitidae, Prorhinotermitinae). <i>Journal of Insect Physiology</i> , 2009, 55, 751-757.	2.0	35
13	Mutual Use of Trail-Following Chemical Cues by a Termite Host and Its Inquiline. <i>PLoS ONE</i> , 2014, 9, e85315.	2.5	35
14	The functional evolution of termite gut microbiota. <i>Microbiome</i> , 2022, 10, .	11.1	35
15	The frontal gland in workers of Neotropical soldierless termites. <i>Die Naturwissenschaften</i> , 2010, 97, 495-503.	1.6	33
16	Asexual queen succession mediates an accelerated colony life cycle in the termite <i>Silvestritermes minutus</i> . <i>Molecular Ecology</i> , 2017, 26, 3295-3308.	3.9	32
17	Comparative Study of the Labial Gland Secretion in Termites (Isoptera). <i>PLoS ONE</i> , 2012, 7, e46431.	2.5	31
18	Compositional and functional characterisation of biomass-degrading microbial communities in guts of plant fibre- and soil-feeding higher termites. <i>Microbiome</i> , 2020, 8, 96.	11.1	31

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19	The fine structural organization of sternal glands of pseudergates and workers in termites (Isoptera): A comparative survey. <i>Arthropod Structure and Development</i> , 2008, 37, 168-185.	1.4	29
20	Optimization of a metatranscriptomic approach to study the lignocellulolytic potential of the higher termite gut microbiome. <i>BMC Genomics</i> , 2017, 18, 681.	2.8	29
21	Exclusive Gut Flagellates of Serritermitidae Suggest a Major Transfaunation Event in Lower Termites: Description of <i>Heliconympha glossotermitis</i> gen. nov. spec. nov.. <i>Journal of Eukaryotic Microbiology</i> , 2018, 65, 77-92.	1.7	29
22	Sex pheromones and trail-following pheromone in the basal termites <i>Zootermopsis nevadensis</i> (Hagen) and <i>Z. angusticollis</i> (Hagen) (Isoptera: Termopsidae: Termopsinae). <i>Biological Journal of the Linnean Society</i> , 0, 100, 519-530.	1.6	28
23	(Z)-Dodec-3-en-1-ol, a common major component of the trail-following pheromone in the termites Kalotermitidae. <i>Chemoecology</i> , 2009, 19, 103-108.	1.1	25
24	Identification of multi-component trail pheromones in the most evolutionarily derived termites, the Nasutitermitinae (Termitidae). <i>Biological Journal of the Linnean Society</i> , 0, 99, 20-27.	1.6	25
25	Complex alarm strategy in the most basal termite species. <i>Behavioral Ecology and Sociobiology</i> , 2015, 69, 1945-1955.	1.4	24
26	Chemistry and Anatomy of the Frontal Gland in Soldiers of the Sand Termite <i>Psammotermes hybostoma</i> . <i>Journal of Chemical Ecology</i> , 2012, 38, 557-565.	1.8	21
27	Trail Communication Regulated by Two Trail Pheromone Components in the Fungus-Growing Termite <i>Odontotermes formosanus</i> (Shiraki). <i>PLoS ONE</i> , 2014, 9, e90906.	2.5	21
28	Historical biogeography of the termite clade Rhinotermitinae (Blattodea: Isoptera). <i>Molecular Phylogenetics and Evolution</i> , 2019, 132, 100-104.	2.7	21
29	Sex Pheromone and Trail Pheromone of the Sand Termite <i>Psammotermes hybostoma</i> . <i>Journal of Chemical Ecology</i> , 2011, 37, 179-188.	1.8	20
30	Not Only Soldiers Have Weapons: Evolution of the Frontal Gland in Imagoes of the Termite Families Rhinotermitidae and Serritermitidae. <i>PLoS ONE</i> , 2010, 5, e15761.	2.5	19
31	Smells Like Home: Chemically Mediated Co-Habitation of Two Termite Species in a Single Nest. <i>Journal of Chemical Ecology</i> , 2016, 42, 1070-1081.	1.8	19
32	Molecular Mechanism of the Two-Component Suicidal Weapon of <i>Neocapritermes taracua</i> Old Workers. <i>Molecular Biology and Evolution</i> , 2016, 33, 809-819.	8.9	19
33	Breaking the cipher: ant eavesdropping on the variational trail pheromone of its termite prey. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170121.	2.6	18
34	Courtship Behavior Confusion in Two Subterranean Termite Species that Evolved in Allopatry (Blattodea, Rhinotermitidae, Coptotermes). <i>Journal of Chemical Ecology</i> , 2020, 46, 461-474.	1.8	17
35	Nonadecadienone, a New Termite Trail-Following Pheromone Identified in <i>Glossotermes oculatus</i> (Serritermitidae). <i>Chemical Senses</i> , 2012, 37, 55-63.	2.0	16
36	Disentangling the Relative Roles of Vertical Transmission, Subsequent Colonizations, and Diet on Cockroach Microbiome Assembly. <i>MSphere</i> , 2021, 6, .	2.9	15

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37	Sex-pairing pheromones and reproductive isolation in three sympatric <i>Cornitermes</i> species (Isoptera, Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50 62 T	2.0	13
38	<i>Roisinitermes ebogoensis</i> gen. & sp. n., an outstanding drywood termite with snapping soldiers from Cameroon (Isoptera, Kalotermitidae). <i>ZooKeys</i> , 2018, 787, 91-105.	1.1	13
39	Chemical communication in termites: syn-4,6-dimethylundecan-1-ol as trail-following pheromone, syn-4,6-dimethylundecanal and (5E)-2,6,10-trimethylundeca-5,9-dienal as the respective male and female sex pheromones in <i>Hodotermopsis sjoestedti</i> (Isoptera, Archotermopsidae). <i>Journal of Insect Physiology</i> , 2011, 57, 1585-1591.	2.0	12
40	Developmental Pathways of <i>Psammotermes hybostoma</i> (Isoptera: Rhinotermitidae): Old Pseudergates Make up a New Sterile Caste. <i>PLoS ONE</i> , 2012, 7, e44527.	2.5	12
41	Armed reproductives: Evolution of the frontal gland in imagoes of Termitidae. <i>Arthropod Structure and Development</i> , 2013, 42, 339-348.	1.4	11
42	The labral gland in termite soldiers. <i>Biological Journal of the Linnean Society</i> , 2018, 123, 535-544.	1.6	11
43	Chemical and vibratory signals used in alarm communication in the termite <i>Reticulitermes flavipes</i> (Rhinotermitidae). <i>Insectes Sociaux</i> , 2019, 66, 265-272.	1.2	11
44	Termites host specific fungal communities that differ from those in their ambient environments. <i>Fungal Ecology</i> , 2020, 48, 100991.	1.6	11
45	Identification of a queen pheromone mediating the rearing of adult sexuals in the pharaoh ant <i>Monomorium pharaonis</i> . <i>Biology Letters</i> , 2020, 16, 20200348.	2.3	11
46	Termites Are Associated with External Species-Specific Bacterial Communities. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	10
47	Sex-Pairing Pheromone in the Asian Termite Pest Species <i>Odontotermes formosanus</i> . <i>Journal of Chemical Ecology</i> , 2012, 38, 566-575.	1.8	9
48	Complementary Contribution of Fungi and Bacteria to Lignocellulose Digestion in the Food Stored by a Neotropical Higher Termite. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	9
49	Sex-pairing pheromone of <i>Ancistrotermes dimorphus</i> (Isoptera: Macrotermitinae). <i>Journal of Insect Physiology</i> , 2015, 83, 8-14.	2.0	8
50	The role of the glucose-sensing transcription factor carbohydrate-responsive element-binding protein pathway in termite queen fertility. <i>Open Biology</i> , 2016, 6, 160080.	3.6	8
51	Dispersal and mating strategies in two neotropical soil-feeding termites, <i>Embiratermes neotenicus</i> and <i>Silvestritermes minutus</i> (Termitidae, Syntermitinae). <i>Insectes Sociaux</i> , 2018, 65, 251-262.	1.2	8
52	Mercury species in the nests and bodies of soil-feeding termites, <i>Silvestritermes</i> spp. (Termitidae, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	7.5	7
53	The labral gland in termites: evolution and function. <i>Biological Journal of the Linnean Society</i> , 2019, 126, 587-597.	1.6	7
54	Trail-Following Pheromones in the Termite Subfamily Syntermitinae (Blattodea, Termitoidea, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	1.8	7

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55	Sensitivity to the communicative partner's attentional state: A developmental study on mother–infant dyads in wild chimpanzees (<i>Pan troglodytes schweinfurthii</i>). <i>American Journal of Primatology</i> , 2021, 83, e23339.	1.7	7
56	The impact of termites on soil sheeting properties is better explained by environmental factors than by their feeding and building strategies. <i>Geoderma</i> , 2022, 412, 115706.	5.1	7
57	Impact of a juvenile hormone analogue on the anatomy and the frontal gland secretion of <i>Prorhinotermes simplex</i> (Isoptera: Rhinotermitidae). <i>Journal of Insect Physiology</i> , 2010, 56, 65-72.	2.0	6
58	Molecular Identity of <i>Holomastigotes</i> (Spirotrichonympha, Parabasalia) with Descriptions of <i>Holomastigotes flavipes</i> n. sp. and <i>Holomastigotes tibialis</i> n. sp.. <i>Journal of Eukaryotic Microbiology</i> , 2019, 66, 882-891.	1.7	6
59	Complex regulatory role of DNA methylation in caste- and age-specific expression of a termite. <i>Open Biology</i> , 2022, 12, .	3.6	6
60	The oral gland, a new exocrine organ of termites. <i>Arthropod Structure and Development</i> , 2019, 51, 32-36.	1.4	5
61	Antlions are sensitive to subnanometer amplitude vibrations carried by sand substrates. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2020, 206, 783-791.	1.6	5
62	The trail-following pheromone of the termite <i>Serritermes serrifer</i> . <i>Chemoecology</i> , 2021, 31, 11-17.	1.1	4
63	Chemical systematics of Neotropical termite genera with symmetrically snapping soldiers (Termitidae: Tj ETQq1 1 0.784314 3gBT /Ov 2.3	2.3	3
64	The influence of land-use on tropical soil chemical characteristics with emphasis on aluminium. <i>Journal of Inorganic Biochemistry</i> , 2020, 204, 110962.	3.5	3
65	Biogeography and Independent Diversification in the Protist Symbiont Community of <i>Heterotermes tenuis</i> . <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	3
66	Molecular Phylogenetic Position of <i>Microjoenia</i> (Parabasalia: Spirotrichonympha) from <i>Reticulitermes</i> and <i>Hodotermopsis</i> Termite Hosts. <i>Protist</i> , 2021, 172, 125836.	1.5	3
67	Qualitative bias in offspring investment in a superorganism is linked to dispersal and nest inheritance. <i>Animal Behaviour</i> , 2016, 119, 1-9.	1.9	2
68	The ultrastructure of the intramandibular gland in soldiers of the termite <i>Machadotermes rigidus</i> (Blattodea: Termitidae: Apicotermitinae). <i>Arthropod Structure and Development</i> , 2022, 67, 101136.	1.4	2
69	Experimentally measured group direct benefits according to worker density explain group living of the termite <i>Reticulitermes chinensis</i> . <i>Ecology and Evolution</i> , 2021, 11, 8768-8775.	1.9	1
70	Effect of farming on the vegetation structure, soil properties and termite assemblages in the Northern Congo basin. <i>Land Degradation and Development</i> , 0, , .	3.9	0