

# Jan Å obotnÃ-k

## List of Publications by Year in descending order

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99  
papers

2,865  
citations

186265

28  
h-index

233421

45  
g-index

108  
all docs

108  
docs citations

108  
times ranked

1946  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Evolutionary History of Termites as Inferred from 66 Mitochondrial Genomes. <i>Molecular Biology and Evolution</i> , 2015, 32, 406-421.	8.9	268
2	Chemical warfare in termites. <i>Journal of Insect Physiology</i> , 2010, 56, 1012-1021.	2.0	132
3	Evolution of Termite Symbiosis Informed by Transcriptome-Based Phylogenies. <i>Current Biology</i> , 2019, 29, 3728-3734.e4.	3.9	110
4	Rampant Host Switching Shaped the Termite Gut Microbiome. <i>Current Biology</i> , 2018, 28, 649-654.e2.	3.9	101
5	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
6	(E,E)- $\beta$ -Farnesene, an Alarm Pheromone of the Termite <i>Proterhinotermes canalifrons</i> . <i>Journal of Chemical Ecology</i> , 2008, 34, 478-486.	1.8	73
7	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
8	Feeding ecology and phylogenetic structure of a complex neotropical termite assemblage, revealed by nitrogen stable isotope ratios. <i>Ecological Entomology</i> , 2011, 36, 261-269.	2.2	72
9	Analysis of Insect Cuticular Hydrocarbons Using Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Journal of Chemical Ecology</i> , 2006, 32, 409-434.	1.8	69
10	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
11	Termite evolution: mutualistic associations, key innovations, and the rise of Termitidae. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 2749-2769.	5.4	63
12	Explosive Backpacks in Old Termite Workers. <i>Science</i> , 2012, 337, 436-436.	12.6	61
13	Armoured spiderman: morphological and behavioural adaptations of a specialised araneophagous predator (Araneae: Palpimanidae). <i>Die Naturwissenschaften</i> , 2011, 98, 593-603.	1.6	54
14	Digestive $\alpha$ -amylases of the flour moth <i>Ephestias kuehniella</i> adaptation to alkaline environment and plant inhibitors. <i>FEBS Journal</i> , 2009, 276, 3531-3546.	4.7	51
15	Ultrastructure of the digestive tract in <i>Acarus siro</i> (Acari: Acaridida). <i>Journal of Morphology</i> , 2008, 269, 54-71.	1.2	43
16	Niche differentiation among neotropical soldierless soil-feeding termites revealed by stable isotope ratios. <i>Soil Biology and Biochemistry</i> , 2009, 41, 2038-2043.	8.8	43
17	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
18	Beyond cuticular hydrocarbons: evidence of proteinaceous secretion specific to termite kings and queens. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 995-1002.	2.6	42

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19	Nitroalkenes and Sesquiterpene Hydrocarbons from the Frontal Gland of Three Prorhinotermes Termite Species. <i>Journal of Chemical Ecology</i> , 2007, 33, 1787-1794.	1.8	40
20	Structure and function of defensive glands in soldiers of <i>Glossotermes oculatus</i> (Isoptera: Termitidae). <i>Journal of Chemical Ecology</i> , 2007, 33, 1795-1802.	1.6	39
21	Insect exocrine glands. <i>Arthropod Structure and Development</i> , 2015, 44, 399-400.	1.4	39
22	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
23	The nature of alarm communication in <i>Constrictotermes cyphergaster</i> (Blattodea: Termitoidea). <i>Journal of Chemical Ecology</i> , 2007, 33, 1795-1802.	1.2	37
24	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
25	Comparison of Age-dependent Quantitative Changes in the Male Labial Gland Secretion of <i>Bombus terrestris</i> and <i>Bombus lucorum</i> . <i>Journal of Chemical Ecology</i> , 2009, 35, 698-705.	1.8	35
26	The soldierless Apicotermiteinae: insights into a poorly known and ecologically dominant tropical taxon. <i>Insectes Sociaux</i> , 2016, 63, 39-50.	1.2	35
27	Mutual Use of Trail-Following Chemical Cues by a Termite Host and Its Inquiline. <i>PLoS ONE</i> , 2014, 9, e85315.	2.5	35
28	The functional evolution of termite gut microbiota. <i>Microbiome</i> , 2022, 10, .	11.1	35
29	The frontal gland in workers of Neotropical soldierless termites. <i>Die Naturwissenschaften</i> , 2010, 97, 495-503.	1.6	33
30	Fat body of <i>Prorhinotermes simplex</i> (Isoptera: Rhinotermitidae): Ultrastructure, inter-caste differences and lipid composition. <i>Micron</i> , 2006, 37, 648-656.	2.2	32
31	Comparative Study of the Labial Gland Secretion in Termites (Isoptera). <i>PLoS ONE</i> , 2012, 7, e46431.	2.5	31
32	Exclusive Gut Flagellates of Serritermitidae Suggest a Major Transfaunation Event in Lower Termites: Description of <i>Heliconympha glossotermis</i> gen. nov. spec. nov.. <i>Journal of Eukaryotic Microbiology</i> , 2018, 65, 77-92.	1.7	29
33	Age-dependent changes in structure and function of the male labial gland in <i>Bombus terrestris</i> . <i>Journal of Insect Physiology</i> , 2008, 54, 204-214.	2.0	28
34	Ultrastructure of the frontal gland in <i>Prorhinotermes simplex</i> (Isoptera: Rhinotermitidae) and quantity of the defensive substance. <i>European Journal of Entomology</i> , 2004, 101, 153-163.	1.2	28
35	Sexual communication in the termite <i>Prorhinotermes simplex</i> (Isoptera, Rhinotermitidae) mediated by a pheromone from female tergal glands. <i>Insectes Sociaux</i> , 2009, 56, 111-118.	1.2	26
36	The Termite Fecal Nest: A Framework for the Opportunistic Acquisition of Beneficial Soil <i>Streptomyces</i> (Actinomycetales: Streptomycetaceae). <i>Environmental Entomology</i> , 2018, 47, 1431-1439.	1.4	26

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37	Phylogenetic position of the enigmatic termite family Stylotermitidae (Insecta : Blattodea). Invertebrate Systematics, 2018, 32, 1111.	1.3	25
38	An Introduction to the Diversity, Ecology, and Conservation of Saproxylic Insects. Zoological Monographs, 2018, , 1-47.	1.1	25
39	Respiratory concerts revealed by scanning microrespirography in a termite <i>Prorethra simplex</i> (Isoptera: Rhinotermitidae). Journal of Insect Physiology, 2007, 53, 295-311.	2.0	24
40	Developmental pathways of <i>Glossotermes oculatus</i> (Isoptera, Serritermitidae): at the crossroads of worker caste evolution in termites. Evolution & Development, 2009, 11, 659-668.	2.0	24
41	Stylopsal: The First Identified Female-produced Sex Pheromone of Strepsiptera. Journal of Chemical Ecology, 2012, 38, 1483-1491.	1.8	24
42	Complex alarm strategy in the most basal termite species. Behavioral Ecology and Sociobiology, 2015, 69, 1945-1955.	1.4	24
43	Temporal and geographic variations in the morphology and chemical composition of the frontal gland in imagoes of <i>Prorethra</i> species (Isoptera: Rhinotermitidae). Biological Journal of the Linnean Society, 0, 98, 384-392.	1.6	23
44	Chitin in the Peritrophic Membrane of <i>Acarus siro</i> (Acari: Acaridae) as a Target for Novel Acaricides. Journal of Economic Entomology, 2008, 101, 1028-1033.	1.8	21
45	Chemistry and Anatomy of the Frontal Gland in Soldiers of the Sand Termite <i>Psammotermes hybostoma</i> . Journal of Chemical Ecology, 2012, 38, 557-565.	1.8	21
46	Total Synthesis, Proof of Absolute Configuration, and Biosynthetic Origin of Stylopsal, the First Isolated Sex Pheromone of <i>Strepsiptera</i> . Chemistry - A European Journal, 2013, 19, 8515-8524.	3.3	21
47	Historical biogeography of the termite clade Rhinotermitinae (Blattodea: Isoptera). Molecular Phylogenetics and Evolution, 2019, 132, 100-104.	2.7	21
48	Sex Pheromone and Trail Pheromone of the Sand Termite <i>Psammotermes hybostoma</i> . Journal of Chemical Ecology, 2011, 37, 179-188.	1.8	20
49	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
50	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
51	Seasonal Dynamics in the Chemistry and Structure of the Fat Bodies of Bumblebee Queens. PLoS ONE, 2015, 10, e0142261.	2.5	19
52	Molecular Mechanism of the Two-Component Suicidal Weapon of <i>Neocapritermes taracua</i> Old Workers. Molecular Biology and Evolution, 2016, 33, 809-819.	8.9	19
53	Caffeine – Perspective natural biocide for wood protection against decaying fungi and termites. Journal of Cleaner Production, 2021, 304, 127110.	9.3	19
54	The ontogeny of soldiers in <i>Prorethra simplex</i> (Isoptera, Rhinotermitidae). Insectes Sociaux, 2006, 53, 249-257.	1.2	18

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55	Agonistic Behavior of the Termite <i>Prorhinotermes canalifrons</i> (Isoptera: Rhinotermitidae). <i>Journal of Insect Behavior</i> , 2008, 21, 521-534.	0.7	18
56	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
57	Age-dependent changes in ultrastructure of the defensive glands of <i>Neocapritermes taracua</i> workers (Isoptera, Termitidae). <i>Arthropod Structure and Development</i> , 2014, 43, 205-210.	1.4	17
58	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
59	Influence of Soil Properties on Soldierless Termite Distribution. <i>PLoS ONE</i> , 2015, 10, e0135341.	2.5	16
60	Comparative study of the femoral organ in <i>Zodarion</i> spiders (Araneae: Zodariidae). <i>Arthropod Structure and Development</i> , 2007, 36, 105-112.	1.4	15
61	Leg tendon glands in male bumblebees ( <i>Bombus terrestris</i> ): structure, secretion chemistry, and possible functions. <i>Die Naturwissenschaften</i> , 2012, 99, 1039-1049.	1.6	13
62	Ultrastructural study of tergal and posterior sternal glands in <i>Prorhinotermes simplex</i> (Isoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	1.2	13
63	<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
64	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
65	The clypeal gland: A new exocrine gland in termite imagoes (Isoptera: Serritermitidae, Rhinotermitidae,) Tj ETQq1 1 0,784314 rgBT /Over	1.4	12
66	White-gutted soldiers: simplification of the digestive tube for a non-particulate diet in higher Old World termites (Isoptera: Termitidae). <i>Insectes Sociaux</i> , 2017, 64, 525-533.	1.2	12
67	Colony-dependent variation in cuticular hydrocarbon profiles in subterranean termite colonies. <i>Ecology and Evolution</i> , 2020, 10, 10095-10104.	1.9	12
68	Armed reproductives: Evolution of the frontal gland in imagoes of Termitidae. <i>Arthropod Structure and Development</i> , 2013, 42, 339-348.	1.4	11
69	The labral gland in termite soldiers. <i>Biological Journal of the Linnean Society</i> , 2018, 123, 535-544.	1.6	11
70	Comparative responses of termite functional and taxonomic diversity to land-use change. <i>Ecological Entomology</i> , 2019, 44, 762-770.	2.2	11
71	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
72	Termites host specific fungal communities that differ from those in their ambient environments. <i>Fungal Ecology</i> , 2020, 48, 100991.	1.6	11

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73	Phylogeny, biogeography and classification of Teletisoptera (Blattaria: Isoptera). Systematic Entomology, 2022, 47, 581-590.	3.9	11
74	Using ultraconserved elements to reconstruct the termite tree of life. Molecular Phylogenetics and Evolution, 2022, 173, 107520.	2.7	11
75	Egg care by termite soldiers. Insectes Sociaux, 2005, 52, 357-359.	1.2	10
76	Termites Are Associated with External Species-Specific Bacterial Communities. Applied and Environmental Microbiology, 2021, 87, .	3.1	10
77	Molecular phylogeny and historical biogeography of Apicotermitinae (Blattodea: Termitidae). Systematic Entomology, 2021, 46, 741-756.	3.9	10
78	Lavender oil as eco-friendly alternative to protect wood against termites without negative effect on wood properties. Scientific Reports, 2022, 12, 1909.	3.3	10
79	Isoptera Ā†. , 2017, , .		9
80	Tonsuritermes, a new soldierless termite genus and two new species from South America (Blattaria:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.5	9
81	Evidence for reduced immune gene diversity and activity during the evolution of termites. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20203168.	2.6	9
82	Sex-pairing pheromone of Ancistrotermes dimorphus (Isoptera: Macrotermitinae). Journal of Insect Physiology, 2015, 83, 8-14.	2.0	8
83	The nasus gland: A new gland in soldiers of Angularitermes (Termitidae, Nasutitermitinae). Arthropod Structure and Development, 2015, 44, 401-406.	1.4	8
84	The labral gland in termites: evolution and function. Biological Journal of the Linnean Society, 2019, 126, 587-597.	1.6	7
85	Trail-Following Pheromones in the Termite Subfamily Syntermitinae (Blattodea, Termitoidae,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.8	7
86	The impact of termites on soil sheeting properties is better explained by environmental factors than by their feeding and building strategies. Geoderma, 2022, 412, 115706.	5.1	7
87	Impact of a juvenile hormone analogue on the anatomy and the frontal gland secretion of Prorhinotermes simplex (Isoptera: Rhinotermitidae). Journal of Insect Physiology, 2010, 56, 65-72.	2.0	6
88	SphinganineĀLike Biogenesis of (<i>E</i>)-NitropentadecĀene in Termite Soldiers of the Genus <i>Prorhinotermes</i>. ChemBioChem, 2014, 15, 533-536.	2.6	6
89	Molecular Identity of <i>Holomastigotes</i> (Spirotrichonymphea, Parabasalia) with Descriptions of <i>Holomastigotes flavipes</i> n. sp. and <i>Holomastigotes tibialis</i> n. sp.. Journal of Eukaryotic Microbiology, 2019, 66, 882-891.	1.7	6
90	The oral gland, a new exocrine organ of termites. Arthropod Structure and Development, 2019, 51, 32-36.	1.4	5

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91	Can shifts in metabolic scaling predict coevolution between diet quality and body size?. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 141-148.	2.3	5
92	The trail-following pheromone of the termite <i>Serritermes serrifer</i> . <i>Chemoecology</i> , 2021, 31, 11-17.	1.1	4
93	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
94	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
95	Termite dispersal is influenced by their diet. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	2.6	3
96	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
97	Complete mitochondrial genome of the drywood termite <i>Cryptotermes havilandi</i> (Isoptera: Tj ETQq1 1 0.784314 rgBT <sub>1</sub> /Overlock	0.4	1
98	<i>Ebogotermes raphaeli</i> , new genus and new species, an African soldierless termite described from the worker caste (Isoptera, Termitidae, Apicotermitinae). <i>Zootaxa</i> , 2021, 5067, 279-284.	0.5	1
99	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