

# Judith Korb

## List of Publications by Year in descending order

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95  
papers

3,674  
citations

172457

29  
h-index

155660

55  
g-index

102  
all docs

102  
docs citations

102  
times ranked

2795  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular traces of alternative social organization in a termite genome. <i>Nature Communications</i> , 2014, 5, 3636.	12.8	371
2	Complementary symbiont contributions to plant decomposition in a fungus-farming termite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14500-14505.	7.1	243
3	Hemimetabolous genomes reveal molecular basis of termite eusociality. <i>Nature Ecology and Evolution</i> , 2018, 2, 557-566.	7.8	223
4	Thermoregulation and ventilation of termite mounds. <i>Die Naturwissenschaften</i> , 2003, 90, 212-219.	1.6	181
5	Life history and development – a framework for understanding developmental plasticity in lower termites. <i>Biological Reviews</i> , 2008, 83, 295-313.	10.4	166
6	A Gene Necessary for Reproductive Suppression in Termites. <i>Science</i> , 2009, 324, 758-758.	12.6	98
7	Multilevel selection and social evolution of insect societies. <i>Die Naturwissenschaften</i> , 2004, 91, 291-304.	1.6	92
8	Longevity and transposon defense, the case of termite reproductives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5504-5509.	7.1	81
9	Termites. <i>Current Biology</i> , 2007, 17, R995-R999.	3.9	79
10	The evolution of uniparental transmission of fungal symbionts in fungus-growing termites (Macrotermitinae). <i>Behavioral Ecology and Sociobiology</i> , 2003, 53, 65-71.	1.4	77
11	Ventilation of termite mounds: new results require a new model. <i>Behavioral Ecology</i> , 2000, 11, 486-494.	2.2	76
12	The causes of spatial patterning of mounds of a fungus-cultivating termite: results from nearest-neighbour analysis and ecological studies. <i>Oecologia</i> , 2001, 127, 324-333.	2.0	74
13	Help or disperse? Cooperation in termites influenced by food conditions. <i>Behavioral Ecology and Sociobiology</i> , 2004, 56, 89-95.	1.4	74
14	The architecture of termite mounds: a result of a trade-off between thermoregulation and gas exchange?. <i>Behavioral Ecology</i> , 1999, 10, 312-316.	2.2	69
15	Molecular basis for the reproductive division of labour in a lower termite. <i>BMC Genomics</i> , 2007, 8, 198.	2.8	63
16	Influence of environmental conditions on the expression of the sexual dispersal phenotype in a lower termite: implications for the evolution of workers in termites. <i>Evolution &amp; Development</i> , 2004, 6, 342-352.	2.0	61
17	Sociality in Termites. , 2017, , 124-153.		61
18	Brood care and social evolution in termites. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 2662-2671.	2.6	60

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19	A genomic comparison of two termites with different social complexity. <i>Frontiers in Genetics</i> , 2015, 6, 9.	2.3	60
20	Major Hurdles for the Evolution of Sociality. <i>Annual Review of Entomology</i> , 2016, 61, 297-316.	11.8	58
21	Scent of a queen—cuticular hydrocarbons specific for female reproductives in lower termites. <i>Die Naturwissenschaften</i> , 2009, 96, 315-319.	1.6	54
22	The Ecology of Social Evolution in Termites. , 2008, , 151-174.		50
23	Workers of a drywood termite do not work. , 2007, 4, 7.		49
24	Endocrine signatures underlying plasticity in postembryonic development of a lower termite, <i>Cryptotermes secundus</i> (Kalotermitidae). <i>Evolution &amp; Development</i> , 2009, 11, 269-277.	2.0	47
25	Comparative transcriptomic analysis of the mechanisms underpinning ageing and fecundity in social insects. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20190728.	4.0	47
26	Does kin structure explain the occurrence of workers in a lower termite?. <i>Evolutionary Ecology</i> , 2007, 21, 817-828.	1.2	45
27	Comparison of Queen-Specific Gene Expression in Related Lower Termite Species. <i>Molecular Biology and Evolution</i> , 2009, 26, 1841-1850.	8.9	42
28	Ecological competition favours cooperation in termite societies. <i>Ecology Letters</i> , 2010, 13, 754-760.	6.4	42
29	Juvenile Hormone. <i>Advances in Insect Physiology</i> , 2015, 48, 131-161.	2.7	40
30	Social Organisation and the Status of Workers in Termites. , 2010, , 133-164.		38
31	Uncovering cryptic species diversity of a termite community in a West African savanna. <i>Molecular Phylogenetics and Evolution</i> , 2011, 61, 964-969.	2.7	36
32	Farming termites determine the genetic population structure of <i>Termitomyces</i> fungal symbionts. <i>Molecular Ecology</i> , 2011, 20, 2023-2033.	3.9	35
33	Resource availability and distribution patterns, indicators of competition between <i>Macrotermes bellicosus</i> and other macro-detritivores in the Como National Park, Côte d'Ivoire. <i>African Journal of Ecology</i> , 2001, 39, 257-265.	0.9	32
34	Termites, hemimetabolous diploid white ants?. <i>Frontiers in Zoology</i> , 2008, 5, 15.	2.0	32
35	Juvenile hormone and hemimetabolous eusociality: a comparison of cockroaches with termites. <i>Current Opinion in Insect Science</i> , 2017, 22, 109-116.	4.4	32
36	Differential Ecological Specificity of Protist and Bacterial Microbiomes across a Set of Termite Species. <i>Frontiers in Microbiology</i> , 2017, 8, 2518.	3.5	32

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37	A new technique for termite monitoring using computer tomography and endoscopy. <i>International Journal of Pest Management</i> , 2004, 50, 63-66.	1.8	30
38	Chemical Fertility Signaling in Termites: Idiosyncrasies and Commonalities in Comparison with Ants. <i>Journal of Chemical Ecology</i> , 2018, 44, 818-826.	1.8	29
39	Reproductive success of <i>Macrotermes bellicosus</i> (Isoptera, Macrotermitinae) in two neighbouring habitats. <i>Oecologia</i> , 1999, 118, 183-191.	2.0	28
40	Molting dynamics and juvenile hormone titer profiles in the nymphal stages of a lower termite, <i>Cryptotermes secundus</i> (Kalotermitidae) – signatures of developmental plasticity. <i>Journal of Insect Physiology</i> , 2012, 58, 376-383.	2.0	28
41	The Scent of Royalty: A P450 Gene Signals Reproductive Status in a Social Insect. <i>Molecular Biology and Evolution</i> , 2014, 31, 2689-2696.	8.9	28
42	Why join a neighbour: fitness consequences of colony fusions in termites. <i>Journal of Evolutionary Biology</i> , 2012, 25, 2161-2170.	1.7	27
43	Editorial overview: Social insects: aging and the re-shaping of the fecundity/longevity trade-off with sociality. <i>Current Opinion in Insect Science</i> , 2016, 16, vii-x.	4.4	27
44	Reconstructed evolution of insulin receptors in insects reveals duplications in early insects and cockroaches. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2018, 330, 305-311.	1.3	26
45	Oxidative stress and senescence in social insects: a significant but inconsistent link?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20190732.	4.0	26
46	Is there conflict over direct reproduction in lower termite colonies?. <i>Animal Behaviour</i> , 2011, 81, 265-274.	1.9	25
47	Genes Underlying Reproductive Division of Labor in Termites, with Comparisons to Social Hymenoptera. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	2.2	25
48	Long live the queen, the king and the commoner? Transcript expression differences between old and young in the termite <i>Cryptotermes secundus</i> . <i>PLoS ONE</i> , 2019, 14, e0210371.	2.5	23
49	Transcriptomic analyses of the termite, <i>Cryptotermes secundus</i> , reveal a gene network underlying a long lifespan and high fecundity. <i>Communications Biology</i> , 2021, 4, 384.	4.4	23
50	Ageing and sociality: why, when and how does sociality change ageing patterns?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20190727.	4.0	23
51	The Impact of Anthropogenic Disturbance on Assembly Patterns of Termite Communities. <i>Biotropica</i> , 2016, 48, 356-364.	1.6	22
52	Termite Taxonomy, Challenges and Prospects: West Africa, A Case Example. <i>Insects</i> , 2019, 10, 32.	2.2	22
53	Regulation of sexual development in the basal termite <i>Cryptotermes secundus</i> : mutilation, pheromonal manipulation or honest signal?. <i>Die Naturwissenschaften</i> , 2005, 92, 45-49.	1.6	21
54	Ecological specificity of the metagenome in a set of lower termite species supports contribution of the microbiome to adaptation of the host. <i>Animal Microbiome</i> , 2019, 1, 13.	3.8	21

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55	<i>Cryptotermes colombianus</i> a new drywood termite and distribution record of <i>Cryptotermes</i> in Colombia. <i>ZooKeys</i> , 2016, 596, 39-52.	1.1	21
56	Limited food induces nepotism in drywood termites. <i>Biology Letters</i> , 2006, 2, 364-366.	2.3	19
57	Why do social insect queens live so long? Approaches to unravel the sociality-aging puzzle. <i>Current Opinion in Insect Science</i> , 2016, 16, 104-107.	4.4	19
58	Termite Communities along A Disturbance Gradient in a West African Savanna. <i>Insects</i> , 2019, 10, 17.	2.2	19
59	The influence of habitat fragmentation on genetic diversity of a rare bird species that commonly faces environmental fluctuations. <i>Journal of Avian Biology</i> , 2012, 43, 168-176.	1.2	18
60	Remodeling of the juvenile hormone pathway through caste-biased gene expression and positive selection along a gradient of termite eusociality. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2018, 330, 296-304.	1.3	17
61	Predation on swarming termites by birds. <i>African Journal of Ecology</i> , 2000, 38, 173-174.	0.9	16
62	The effect of environmental stress on ageing in a termite species with low social complexity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20190739.	4.0	15
63	Termites and mites – adaptive behavioural responses to infestation?. <i>Behaviour</i> , 2006, 143, 891-907.	0.8	13
64	A phylogenetic community approach for studying termite communities in a West African savannah. <i>Biology Letters</i> , 2015, 11, 20150625.	2.3	11
65	Selection on defensive traits in a sterile caste – caste evolution: a mechanism to overcome life-history trade-offs?. <i>Evolution &amp; Development</i> , 2009, 11, 80-87.	2.0	10
66	Correlates of blood parasitism in a threatened marshland passerine: infection by kinetoplastids of the genus <i>Trypanosoma</i> is related to landscape metrics of habitat edge. <i>Parasitology</i> , 2019, 146, 1036-1046.	1.5	10
67	Disentangling the aging gene expression network of termite queens. <i>BMC Genomics</i> , 2021, 22, 339.	2.8	10
68	A comparison of termite assemblages from West African savannah and forest ecosystems using morphological and molecular markers. <i>PLoS ONE</i> , 2019, 14, e0216986.	2.5	8
69	Molecular underpinnings of division of labour among workers in a socially complex termite. <i>Scientific Reports</i> , 2021, 11, 18269.	3.3	8
70	Major Evolutionary Transitions in Social Insects, the Importance of Worker Sterility and Life History Trade-Offs. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	8
71	Isolated in an ocean of grass: low levels of gene flow between termite subpopulations. <i>Molecular Ecology</i> , 2013, 22, 2096-2105.	3.9	7
72	Cryptic niche differentiation in West African savannah termites as indicated by stable isotopes. <i>Ecological Entomology</i> , 2019, 44, 190-196.	2.2	7

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73	How Can Termites Achieve Their Unparalleled Postembryonic Developmental Plasticity? A Test for the Role of Intermolt-Specific High Juvenile Hormone Titrers. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	7
74	Termite diversity in Neotropical dry forests of Colombia and the potential role of rainfall in structuring termite diversity. <i>Biotropica</i> , 2019, 51, 165-177.	1.6	6
75	Nest value mediates reproductive decision making within termite societies. <i>Behavioral Ecology</i> , 2012, 23, 1203-1208.	2.2	5
76	Towards a more pluralistic view of termite social evolution. <i>Ecological Entomology</i> , 2016, 41, 34-36.	2.2	5
77	No Evidence for Single-Copy Immune-Gene Specific Signals of Selection in Termites. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	5
78	<i>Proneotermes macondianus</i> , a new drywood termite from Colombia and expanded distribution of <i>Proneotermes</i> in the Neotropics (Isoptera, Kalotermitidae). <i>ZooKeys</i> , 2016, 623, 43-60.	1.1	5
79	Isolation and characterization of nine microsatellite loci in the endangered Worthen's Sparrow ( <i>Spizella wortheni</i> ). <i>Conservation Genetics Resources</i> , 2010, 2, 151-153.	0.8	4
80	Robots Acting Locally and Building Globally. <i>Science</i> , 2014, 343, 742-743.	12.6	4
81	Evolution of delayed dispersal and subsequent emergence of helping, with implications for cooperative breeding. <i>Journal of Theoretical Biology</i> , 2017, 427, 53-64.	1.7	4
82	Has the White-necked Picathartes <i>Picathartes gymnocephala</i> still a chance in Lamto, Ivory Coast?. <i>Bird Conservation International</i> , 2000, 10, 41-46.	1.3	3
83	Isolation and characterization of seventeen polymorphic microsatellite markers in the cleptoparasitic cuckoo wasp <i>Hedychrum nobile</i> (Hymenoptera: Chrysididae). <i>Conservation Genetics Resources</i> , 2010, 2, 253-256.	0.8	3
84	Eleven new microsatellite loci in the globally threatened Aquatic Warbler ( <i>Acrocephalus paludicola</i> ). <i>Conservation Genetics Resources</i> , 2012, 4, 279-282.	0.8	2
85	Social Evolution in Termites. , 2019, , 609-616.		2
86	Heterozygosity and fitness in a threatened songbird: blood parasite infection is explained by single-locus but not genome-wide effects. <i>Journal of Ornithology</i> , 2020, 161, 803-817.	1.1	2
87	Dissecting cooperation. <i>Behavioural Processes</i> , 2007, 76, 78-80.	1.1	1
88	Phylogenetic Community Structure of Southern African Termites (Isoptera). <i>Sociobiology</i> , 2018, 65, 15.	0.5	1
89	Can Differences in Symbiont Transmission Mode Explain the Abundance and Distribution of Fungus-Growing Termites in West Africa?. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	1
90	Conservation management and termites: a case study from central Côte d'Ivoire (West Africa). <i>Journal of Tropical Ecology</i> , 2022, 38, 304-311.	1.1	1

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91	Unearthing Old Data: Darwin was Indeed Correct About Earthworm Behavior. <i>Evolution: Education and Outreach</i> , 2011, 4, 133-136.	0.8	0
92	Phylogenetic Community Structure and Niche Differentiation in Termites of the Tropical Dry Forests of Colombia. <i>Insects</i> , 2019, 10, 103.	2.2	0
93	Diversity of xylophagous beetles and vulnerability of debarked medicinal plants in southern of Benin. <i>African Journal of Ecology</i> , 2020, 58, 80-91.	0.9	0
94	Aging in Social Insects. , 2021, , 14-22.		0
95	Aging in Social Insects. , 2020, , 1-9.		0