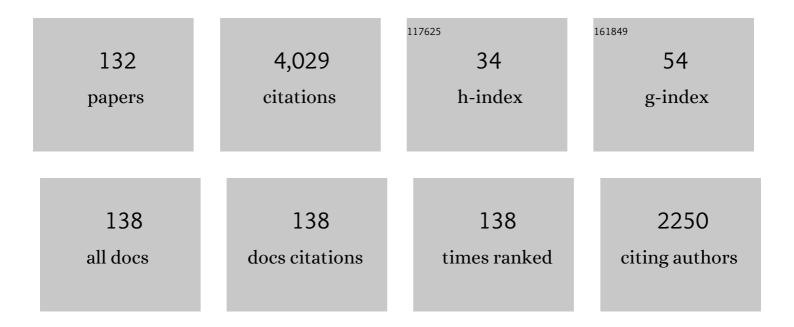
## Susanne Foitzik

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Inclusive fitness theory and eusociality. Nature, 2011, 471, E1-E4.	27.8	339
2	Apparent Dearâ€enemy Phenomenon and Environmentâ€based Recognition Cues in the Ant <i>Leptothorax nylanderi</i> . Ethology, 1996, 102, 510-522.	1.1	158
3	Nest site limitation and colony takeover in the ant Leptothorax nylanderi. Behavioral Ecology, 1998, 9, 367-375.	2.2	131
4	Productivity increases with variation in aggression among group members in Temnothorax ants. Behavioral Ecology, 2011, 22, 1026-1032.	2.2	130
5	Diverse societies are more productive: a lesson from ants. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2142-2150.	2.6	117
6	Gene expression patterns associated with caste and reproductive status in ants: workerâ€specific genes are more derived than queenâ€specific ones. Molecular Ecology, 2014, 23, 151-161.	3.9	112
7	The coevolutionary dynamics of obligate ant social parasite systems – between prudence and antagonism. Biological Reviews, 2005, 80, 251-267.	10.4	108
8	Coevolution in host–parasite systems: behavioural strategies of slave–making ants and their hosts. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 1139-1146.	2.6	99
9	Mating frequency of Leptothorax nylanderi ant queens determined by microsatellite analysis. Insectes Sociaux, 1997, 44, 219-227.	1.2	73
10	A chemical level in the coevolutionary arms race between an ant social parasite and its hosts. Journal of Evolutionary Biology, 2005, 18, 576-586.	1.7	66
11	COLONY STRUCTURE OF A SLAVEMAKING ANT. I. INTRACOLONY RELATEDNESS, WORKER REPRODUCTION, AND POLYDOMY. Evolution; International Journal of Organic Evolution, 2001, 55, 307-315.	2.3	63
12	Vitellogenin-like A–associated shifts in social cue responsiveness regulate behavioral task specialization in an ant. PLoS Biology, 2018, 16, e2005747.	5.6	62
13	Arms races between social parasites and their hosts: geographic patterns of manipulation and resistance. Behavioral Ecology, 2003, 14, 80-88.	2.2	61
14	COLONY STRUCTURE OF A SLAVEMAKING ANT. II. FREQUENCY OF SLAVE RAIDS AND IMPACT ON THE HOST POPULATION. Evolution; International Journal of Organic Evolution, 2001, 55, 316-323.	2.3	60
15	The significance of latitudinal variation in body size in a holarctic ant,Leptothorax acervorum. Ecography, 2003, 26, 349-355.	4.5	59
16	Six origins of slavery in formicoxenine ants. Insectes Sociaux, 2005, 52, 291-297.	1.2	53
17	Ecology of Leptothorax ants: impact of food, nest sites, and social parasites. Behavioral Ecology and Sociobiology, 2004, 55, 484-493.	1.4	52
18	Bird song learning in an eavesdropping context. Animal Behaviour, 2007, 73, 929-935.	1.9	52

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19	Lifelong commitment to the wrong partner: hybridization in ants. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 2891-2899.	4.0	52
20	Worker Personality and Its Association with Spatially Structured Division of Labor. PLoS ONE, 2014, 9, e79616.	2.5	51
21	Nestmate recognition and intraspecific chemical and genetic variation in Temnothorax ants. Animal Behaviour, 2007, 73, 999-1007.	1.9	48
22	Intraspecific parasitism and split sex ratios in a monogynous and monandrous ant ( Leptothorax) Tj ETQq0 0 0 rg	BT /Overlo 1.4	ock 10 Tf 50 6 47
23	Characterizing the Collective Personality of Ant Societies: Aggressive Colonies Do Not Abandon Their Home. PLoS ONE, 2012, 7, e33314.	2.5	47
24	Comparative transcriptomic analysis of the mechanisms underpinning ageing and fecundity in social insects. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190728.	4.0	47
25	Increased host aggression as an induced defense against slave-making ants. Behavioral Ecology, 2011, 22, 255-260.	2.2	46
26	THE ECOLOGY OF SLAVEMAKING ANTS AND THEIR HOSTS IN NORTH TEMPERATE FORESTS. Ecology, 2002, 83, 148-163.	3.2	42
27	Symbiont microcosm in an ant society and the diversity of interspecific interactions. Animal Behaviour, 2008, 76, 1477-1486.	1.9	41
28	Mate guarding and alternative reproductive tactics in the ant Hypoponera opacior. Animal Behaviour, 2002, 63, 597-604.	1.9	40
29	FIRST EVIDENCE FOR SLAVE REBELLION: ENSLAVED ANT WORKERS SYSTEMATICALLY KILL THE BROOD OF THEIR SOCIAL PARASITEPROTOMOGNATHUS AMERICANUS. Evolution; International Journal of Organic Evolution, 2009, 63, 1068-1075.	2.3	40
30	Ant Societies Buffer Individual-Level Effects of Parasite Infections. American Naturalist, 2012, 180, 671-683.	2.1	40
31	COMMUNITY CONTEXT AND SPECIALIZATION INFLUENCE COEVOLUTION BETWEEN A SLAVEMAKING ANT AND ITS HOSTS. Ecology, 2004, 85, 2997-3009.	3.2	39
32	Starvation endurance in the ant <i>Temnothorax nylanderi</i> depends on group size, body size and access to larvae. Physiological Entomology, 2013, 38, 89-94.	1.5	39
33	Long-lived Temnothorax ant queens switch from investment in immunity to antioxidant production with age. Scientific Reports, 2019, 9, 7270.	3.3	39
34	Population structure and the co-evolution between social parasites and their hosts. Molecular Ecology, 2007, 16, 2063-2078.	3.9	38
35	Locally adapted social parasite affects density, social structure, and life history of its ant hosts. Ecology, 2009, 90, 1195-1206.	3.2	37
36	Differential Response of Ant Colonies to Intruders: Attack Strategies Correlate With Potential Threat. Ethology, 2011, 117, 731-739.	1.1	35

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37	A Female Caste Specialized for the Production of Unfertilized Eggs in the Ant Crematogaster smithi. Die Naturwissenschaften, 1999, 86, 93-95.	1.6	34
38	Microgeographic genetic structure and intraspecific parasitism in the antLeptothorax nylanderi. Ecological Entomology, 2001, 26, 449-456.	2.2	34
39	Gene expression is more strongly associated with behavioural specialization than with age or fertility in ant workers. Molecular Ecology, 2019, 28, 658-670.	3.9	34
40	Conflict over Sex Allocation Drives Conflict over Reproductive Allocation in Perennial Social Insect Colonies. American Naturalist, 2001, 158, 178-192.	2.1	33
41	Ecology, life history and resource allocation in the ant, Leptothorax nylanderi. Journal of Evolutionary Biology, 2003, 16, 670-680.	1.7	33
42	Pace-of-life in a social insect: behavioral syndromes in ants shift along a climatic gradient. Behavioral Ecology, 2017, 28, 1149-1159.	2.2	32
43	Intrinsic worker mortality depends on behavioral caste and the queens' presence in a social insect. Die Naturwissenschaften, 2017, 104, 34.	1.6	32
44	The role of per-capita productivity in the evolution of small colony sizes in ants. Behavioral Ecology and Sociobiology, 2014, 68, 41-53.	1.4	31
45	Insect societies fight back: the evolution of defensive traits against social parasites. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170200.	4.0	31
46	Fine Tuning of Social Integration by Two Myrmecophiles of the Ponerine Army Ant, Leptogenys distinguenda. Journal of Chemical Ecology, 2009, 35, 355-367.	1.8	30
47	Similar evolutionary potentials in an obligate ant parasite and its two host species. Journal of Evolutionary Biology, 2011, 24, 871-886.	1.7	27
48	Cold resistance depends on acclimation and behavioral caste in a temperate ant. Die Naturwissenschaften, 2012, 99, 811-819.	1.6	27
49	Life history evolution in social insects: a female perspective. Current Opinion in Insect Science, 2016, 16, 51-57.	4.4	27
50	Local co-adaptation leading to a geographical mosaic of coevolution in a social parasite system. Journal of Evolutionary Biology, 2004, 17, 1026-1034.	1.7	26
51	Collective defence portfolios of ant hosts shift with social parasite pressure. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140225.	2.6	24
52	The parasite's long arm: a tapeworm parasite induces behavioural changes in uninfected group members of its social host. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151473.	2.6	24
53	Gene expression patterns underlying parasiteâ€induced alterations in host behaviour and life history. Molecular Ecology, 2016, 25, 648-660.	3.9	24
54	Distribution and genetic divergence of two parapatric sibling ant species in Central Europe. Biological Journal of the Linnean Society, 2006, 88, 223-234.	1.6	23

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55	Convergent evolution of the Dufour's gland secretion as a propaganda substance in the slave-making ant genera Protomognathus and Harpagoxenus. Insectes Sociaux, 2006, 53, 291-299.	1.2	23
56	Brood exchange experiments and chemical analyses shed light on slave rebellion in ants. Behavioral Ecology, 2010, 21, 948-956.	2.2	22
57	Ant recognition cue diversity is higher in the presence of slavemaker ants. Behavioral Ecology, 2016, 27, 304-311.	2.2	22
58	The influence of slavemaking lifestyle, caste and sex on chemical profiles in <i>Temnothorax</i> ants: insights into the evolution of cuticular hydrocarbons. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162249.	2.6	22
59	Molecular regulation of lifespan extension in fertile ant workers. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190736.	4.0	22
60	Social isolation causes downregulation of immune and stress response genes and behavioural changes in a social insect. Molecular Ecology, 2021, 30, 2378-2389.	3.9	22
61	Raiders from the sky: slavemaker founding queens select for aggressive host colonies. Biology Letters, 2012, 8, 748-750.	2.3	21
62	Fitness costs of worker specialization for ant societies. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152572.	2.6	21
63	Age, pathogen exposure, but not maternal care shape offspring immunity in an insect with facultative family life. BMC Evolutionary Biology, 2017, 17, 69.	3.2	21
64	Abdominal microbial communities in ants depend on colony membership rather than caste and are linked to colony productivity. Ecology and Evolution, 2019, 9, 13450-13467.	1.9	21
65	Microsatellite analysis reveals strong but differential impact of a social parasite on its two host species. Molecular Ecology, 2005, 15, 863-872.	3.9	19
66	Two pathways ensuring social harmony. Die Naturwissenschaften, 2012, 99, 627-636.	1.6	19
67	Forewarned is forearmed: aggression and information use determine fitness costs of slave raids. Behavioral Ecology, 2014, 25, 1058-1063.	2.2	19
68	The chemistry of competition: exploitation of heterospecific cues depends on the dominance rank in the community. Animal Behaviour, 2014, 94, 45-53.	1.9	19
69	Tandemâ€running and scouting behaviour are characterized by upâ€regulation of learning and memory formation genes within the ant brain. Molecular Ecology, 2019, 28, 2342-2359.	3.9	19
70	Fight or flight? A geographic mosaic in host reaction and potency of a chemical weapon in the social parasite Harpagoxenus sublaevis. Behavioral Ecology and Sociobiology, 2009, 64, 45-56.	1.4	18
71	An ant social parasite in-between two chemical disparate host species. Evolutionary Ecology, 2010, 24, 317-332.	1.2	18
72	Slave-making ants prefer larger, better defended host colonies. Animal Behaviour, 2011, 81, 61-68.	1.9	18

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73	Age and ovarian development are related to worker personality and task allocation in the ant Leptothorax acervorum. Environmental Epigenetics, 2014, 60, 392-400.	1.8	18
74	Extended winters entail long-term costs for insect offspring reared in an overwinter burrow. Journal of Thermal Biology, 2018, 74, 116-122.	2.5	18
75	Geographische Unterschiede in Käeresistenz und Körpergröße bei der borealen Ameisen-Art Leptothorax acervorum (Hymenoptera: Formicidae). Entomologia Generalis, 1998, 22, 305-312.	3.1	18
76	Extreme lifespan extension in tapeworm-infected ant workers. Royal Society Open Science, 2021, 8, 202118.	2.4	17
77	Wingless ant males adjust mate-guarding behaviour to the competitive situation in the nest. Animal Behaviour, 2011, 82, 339-346.	1.9	16
78	Multicolonial population structure and nestmate recognition in an extremely dense population of the European ant Lasius flavus. Insectes Sociaux, 2012, 59, 499-510.	1.2	16
79	A Role of Histone Acetylation in the Regulation of Circadian Rhythm in Ants. IScience, 2020, 23, 100846.	4.1	16
80	Queen loss increases worker survival in leaf-cutting ants under paraquat-induced oxidative stress. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190735.	4.0	16
81	Geographic Variation in Social Parasite Pressure Predicts Intraspecific but not Interspecific Aggressive Responses in Hosts of a Slavemaking Ant. Ethology, 2015, 121, 694-702.	1.1	15
82	Comparative analyses of co-evolving host-parasite associations reveal unique gene expression patterns underlying slavemaker raiding and host defensive phenotypes. Scientific Reports, 2018, 8, 1951.	3.3	15
83	Ant behaviour and brain gene expression of defending hosts depend on the ecological success of the intruding social parasite. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180192.	4.0	15
84	Phylogeny and phylogeography of the Mediterranean species of the parasitic ant genus Chalepoxenus and its Temnothorax hosts. Insectes Sociaux, 2007, 54, 189-199.	1.2	14
85	Larval cannibalism and worker-induced separation of larvae in Hypoponera ants: a case of conflict over caste determination?. Insectes Sociaux, 2008, 55, 12-21.	1.2	14
86	Alternative reproductive tactics and the impact of local competition on sex ratios in the ant Hypoponera opacior. Behavioral Ecology and Sociobiology, 2010, 64, 1641-1654.	1.4	14
87	The ecological success of a social parasite increases with manipulation of collective host behaviour. Journal of Evolutionary Biology, 2015, 28, 2152-2162.	1.7	13
88	Parasite Presence Induces Gene Expression Changes in an Ant Host Related to Immunity and Longevity. Genes, 2021, 12, 95.	2.4	13
89	Convergent Loss of Chemoreceptors across Independent Origins of Slave-Making in Ants. Molecular Biology and Evolution, 2022, 39, .	8.9	13
90	The advantage of alternative tactics of prey and predators depends on the spatial pattern of prey and social interactions among predators. Population Ecology, 2012, 54, 187-196.	1.2	12

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91	Condition-Dependent Trade-Off Between Weapon Size and Immunity in Males of the European Earwig. Scientific Reports, 2017, 7, 7988.	3.3	12
92	Species-specific genes under selection characterize the co-evolution of slavemaker and host lifestyles. BMC Evolutionary Biology, 2017, 17, 237.	3.2	12
93	Impact of a social parasite on ant host populations depends on host species, habitat and year. Biological Journal of the Linnean Society, 2011, 103, 559-570.	1.6	11
94	No inbreeding depression but increased sexual investment in highly inbred ant colonies. Molecular Ecology, 2012, 21, 5613-5623.	3.9	11
95	Geographic distribution of the anti-parasite trait "slave rebellion― Evolutionary Ecology, 2013, 27, 39-49.	1.2	11
96	Oh sister, where art thou? Spatial population structure and the evolution of an altruistic defence trait. Journal of Evolutionary Biology, 2014, 27, 2443-2456.	1.7	11
97	Use of waggle dance information in honey bees is linked to gene expression in the antennae, but not in the brain. Molecular Ecology, 2021, 30, 2676-2688.	3.9	11
98	The influence of hybridization on colony structure in the ant species Temnothorax nylanderi and T. crassispinus. Insectes Sociaux, 2006, 53, 439-445.	1.2	10
99	Genetic diversity, population structure and sexâ€biased dispersal in three coâ€evolving species. Journal of Evolutionary Biology, 2009, 22, 2470-2480.	1.7	10
100	Competition over workers: fertility signalling in wingless queens of Hypoponera opacior. Insectes Sociaux, 2011, 58, 271-278.	1.2	10
101	Spatial structure and nest demography reveal the influence of competition, parasitism and habitat quality on slavemaking ants and their hosts. BMC Ecology, 2011, 11, 9.	3.0	10
102	Similar Performance of Diploid and Haploid Males in an Ant Species without Inbreeding Avoidance. Ethology, 2013, 119, 360-367.	1.1	10
103	The placid slavemaker: avoiding detection and conflict as an alternative, peaceful raiding strategy. Behavioral Ecology and Sociobiology, 2016, 70, 27-39.	1.4	10
104	Histone acetylation regulates the expression of genes involved in worker reproduction in the ant Temnothorax rugatulus. BMC Genomics, 2021, 22, 871.	2.8	10
105	Macro- and microgeographic genetic structure in an ant species with alternative reproductive tactics in sexuals. Journal of Evolutionary Biology, 2011, 24, 2721-2730.	1.7	9
106	Ant personalities and behavioral plasticity along a climatic gradient. Behavioral Ecology and Sociobiology, 2019, 73, 1.	1.4	9
107	Division of labor and slave raid initiation in slave-making ants. Behavioral Ecology and Sociobiology, 2011, 65, 2029-2036.	1.4	8
108	Temnothorax pilagens sp. n. – a new slave-makingÂspecies of the tribe Formicoxenini from North America (Hymenoptera, Formicidae). ZooKeys, 2014, 368, 65-77.	1.1	8

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109	Odor diversity decreases with inbreeding in the ant <i>Hypoponera opacior</i> . Evolution; International Journal of Organic Evolution, 2016, 70, 2573-2582.	2.3	8
110	Parasitism and queen presence interactively shape worker behaviour and fertility in an ant host. Animal Behaviour, 2019, 148, 63-70.	1.9	8
111	Experimental increase in fecundity causes upregulation of fecundity and body maintenance genes in the fat body of ant queens. Biology Letters, 2021, 17, 20200909.	2.3	8
112	Non-random Size Differences between Sympatric Species of the Ant Genus Leptothorax (Hymenoptera:) Tj ETQq	0 0 0 rgB <sup>-</sup> 3.1	[ /Qverlock 10
113	First Records of Leptothorax rugatulus (Hymenoptera: Formicidae) with cysticercoids of Tapeworms (Cestoda: Dilepididae) from the SouthWestern United States. Florida Entomologist, 1998, 81, 122.	0.5	6
114	COLONY STRUCTURE OF A SLAVEMAKING ANT. II. FREQUENCY OF SLAVE RAIDS AND IMPACT ON THE HOST POPULATION. Evolution; International Journal of Organic Evolution, 2001, 55, 316.	2.3	6
115	Polymorphic microsatellite loci in the ponerine ant, Hypoponera opacior (Hymenoptera, Formicidae). Molecular Ecology Notes, 2005, 5, 236-238.	1.7	6
116	Selection for early emergence, longevity and large body size in wingless, sib-mating ant males. Behavioral Ecology and Sociobiology, 2013, 67, 1369-1377.	1.4	6
117	Age, sex, mating status, but not social isolation interact to shape basal immunity in a group-living insect. Journal of Insect Physiology, 2017, 103, 64-70.	2.0	6
118	Comparative analyses of caste, sex, and developmental stageâ€specific transcriptomes in two Temnothorax ants. Ecology and Evolution, 2020, 10, 4193-4203.	1.9	6
119	What are the Mechanisms Behind a Parasite-Induced Decline in Nestmate Recognition in Ants?. Journal of Chemical Ecology, 2017, 43, 869-880.	1.8	5
120	Immune challenge reduces gut microbial diversity and triggers fertility-dependent gene expression changes in a social insect. BMC Genomics, 2020, 21, 816.	2.8	5
121	Offspring reverse transcriptome responses to maternal deprivation when reared with pathogens in an insect with facultative family life. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200440.	2.6	5
122	COLONY STRUCTURE OF A SLAVEMAKING ANT. I. INTRACOLONY RELATEDNESS, WORKER REPRODUCTION, AND POLYDOMY. Evolution; International Journal of Organic Evolution, 2001, 55, 307.	2.3	4
123	Parasite scouting and host defence behaviours are influenced by colony size in the slave-making ant Protomognathus americanus. Insectes Sociaux, 2013, 60, 293-301.	1.2	4
124	Social organization and the evolution of life-history traits in two queen morphs of the ant <i>Temnothorax rugatulus</i> . Journal of Experimental Biology, 2021, 224, .	1.7	4
125	Desert Ants Learn to Avoid Pitfall Traps While Foraging. Biology, 2022, 11, 897.	2.8	4
126	The influence of space and time on the evolution of altruistic defence: the case of ant slave rebellion. Journal of Evolutionary Biology, 2016, 29, 874-886.	1.7	3

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127	The Ecology of Slavemaking Ants and Their Hosts in North Temperate Forests. Ecology, 2002, 83, 148.	3.2	3
128	Slave-Making in Ants (Dulosis). , 2021, , 807-814.		2
129	Annotation and Analysis of 3902 Odorant Receptor Protein Sequences from 21 Insect Species Provide Insights into the Evolution of Odorant Receptor Gene Families in Solitary and Social Insects. Genes, 2022, 13, 919.	2.4	2
130	Slave-Making in Ants (Dulosis). , 2020, , 1-8.		1
131	Molecular (co)evolution of hymenopteran social parasites and their hosts. Current Opinion in Insect Science, 2022, 50, 100889.	4.4	1
132	The value of spatial experience and group size for ant colonies in direct competition. Insect Science, 0, , .	3.0	1