

# Susanne Foitzik

## List of Publications by Year in descending order

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132  
papers

4,029  
citations

117625

34  
h-index

161849

54  
g-index

138  
all docs

138  
docs citations

138  
times ranked

2250  
citing authors

#	ARTICLE	IF	CITATIONS
1	Convergent Loss of Chemoreceptors across Independent Origins of Slave-Making in Ants. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	13
2	Molecular (co)evolution of hymenopteran social parasites and their hosts. <i>Current Opinion in Insect Science</i> , 2022, 50, 100889.	4.4	1
3	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. <i>Genes</i> , 2022, 13, 919.	2.4	2
4	Desert Ants Learn to Avoid Pitfall Traps While Foraging. <i>Biology</i> , 2022, 11, 897.	2.8	4
5	Slave-Making in Ants (Dulosis). , 2021, , 807-814.		2
6	Experimental increase in fecundity causes upregulation of fecundity and body maintenance genes in the fat body of ant queens. <i>Biology Letters</i> , 2021, 17, 20200909.	2.3	8
7	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
8	Molecular regulation of lifespan extension in fertile ant workers. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20190736.	4.0	22
9	Queen loss increases worker survival in leaf-cutting ants under paraquat-induced oxidative stress. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20190735.	4.0	16
10	Social organization and the evolution of life-history traits in two queen morphs of the ant <i>Temnothorax rugatulus</i> . <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	4
11	Social isolation causes downregulation of immune and stress response genes and behavioural changes in a social insect. <i>Molecular Ecology</i> , 2021, 30, 2378-2389.	3.9	22
12	Extreme lifespan extension in tapeworm-infected ant workers. <i>Royal Society Open Science</i> , 2021, 8, 202118.	2.4	17
13	Use of waggle dance information in honey bees is linked to gene expression in the antennae, but not in the brain. <i>Molecular Ecology</i> , 2021, 30, 2676-2688.	3.9	11
14	Parasite Presence Induces Gene Expression Changes in an Ant Host Related to Immunity and Longevity. <i>Genes</i> , 2021, 12, 95.	2.4	13
15	Histone acetylation regulates the expression of genes involved in worker reproduction in the ant <i>Temnothorax rugatulus</i> . <i>BMC Genomics</i> , 2021, 22, 871.	2.8	10
16	Immune challenge reduces gut microbial diversity and triggers fertility-dependent gene expression changes in a social insect. <i>BMC Genomics</i> , 2020, 21, 816.	2.8	5
17	Comparative analyses of caste, sex, and developmental stage-specific transcriptomes in two <i>Temnothorax</i> ants. <i>Ecology and Evolution</i> , 2020, 10, 4193-4203.	1.9	6
18	A Role of Histone Acetylation in the Regulation of Circadian Rhythm in Ants. <i>IScience</i> , 2020, 23, 100846.	4.1	16

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19	Offspring reverse transcriptome responses to maternal deprivation when reared with pathogens in an insect with facultative family life. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200440.	2.6	5
20	Slave-Making in Ants (Dulosis). , 2020, , 1-8.		1
21	Ant personalities and behavioral plasticity along a climatic gradient. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	1.4	9
22	Long-lived <i>Temnothorax</i> ant queens switch from investment in immunity to antioxidant production with age. <i>Scientific Reports</i> , 2019, 9, 7270.	3.3	39
23	Tandem running and scouting behaviour are characterized by up-regulation of learning and memory formation genes within the ant brain. <i>Molecular Ecology</i> , 2019, 28, 2342-2359.	3.9	19
24	Ant behaviour and brain gene expression of defending hosts depend on the ecological success of the intruding social parasite. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180192.	4.0	15
25	Abdominal microbial communities in ants depend on colony membership rather than caste and are linked to colony productivity. <i>Ecology and Evolution</i> , 2019, 9, 13450-13467.	1.9	21
26	Parasitism and queen presence interactively shape worker behaviour and fertility in an ant host. <i>Animal Behaviour</i> , 2019, 148, 63-70.	1.9	8
27	Gene expression is more strongly associated with behavioural specialization than with age or fertility in ant workers. <i>Molecular Ecology</i> , 2019, 28, 658-670.	3.9	34
28	Comparative analyses of co-evolving host-parasite associations reveal unique gene expression patterns underlying slavemaker raiding and host defensive phenotypes. <i>Scientific Reports</i> , 2018, 8, 1951.	3.3	15
29	Extended winters entail long-term costs for insect offspring reared in an overwinter burrow. <i>Journal of Thermal Biology</i> , 2018, 74, 116-122.	2.5	18
30	Vitellogenin-like Aa-associated shifts in social cue responsiveness regulate behavioral task specialization in an ant. <i>PLoS Biology</i> , 2018, 16, e2005747.	5.6	62
31	Insect societies fight back: the evolution of defensive traits against social parasites. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170200.	4.0	31
32	Pace-of-life in a social insect: behavioral syndromes in ants shift along a climatic gradient. <i>Behavioral Ecology</i> , 2017, 28, 1149-1159.	2.2	32
33	Intrinsic worker mortality depends on behavioral caste and the queens' presence in a social insect. <i>Die Naturwissenschaften</i> , 2017, 104, 34.	1.6	32
34	The influence of slavemaking lifestyle, caste and sex on chemical profiles in <i>Temnothorax</i> ants: insights into the evolution of cuticular hydrocarbons. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162249.	2.6	22
35	Age, sex, mating status, but not social isolation interact to shape basal immunity in a group-living insect. <i>Journal of Insect Physiology</i> , 2017, 103, 64-70.	2.0	6
36	What are the Mechanisms Behind a Parasite-Induced Decline in Nestmate Recognition in Ants?. <i>Journal of Chemical Ecology</i> , 2017, 43, 869-880.	1.8	5

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37	Condition-Dependent Trade-Off Between Weapon Size and Immunity in Males of the European Earwig. <i>Scientific Reports</i> , 2017, 7, 7988.	3.3	12
38	Age, pathogen exposure, but not maternal care shape offspring immunity in an insect with facultative family life. <i>BMC Evolutionary Biology</i> , 2017, 17, 69.	3.2	21
39	Species-specific genes under selection characterize the co-evolution of slavemaker and host lifestyles. <i>BMC Evolutionary Biology</i> , 2017, 17, 237.	3.2	12
40	Gene expression patterns underlying parasite-induced alterations in host behaviour and life history. <i>Molecular Ecology</i> , 2016, 25, 648-660.	3.9	24
41	Life history evolution in social insects: a female perspective. <i>Current Opinion in Insect Science</i> , 2016, 16, 51-57.	4.4	27
42	Odor diversity decreases with inbreeding in the ant <i>Hypoponera opacior</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 2573-2582.	2.3	8
43	Ant recognition cue diversity is higher in the presence of slavemaker ants. <i>Behavioral Ecology</i> , 2016, 27, 304-311.	2.2	22
44	The influence of space and time on the evolution of altruistic defence: the case of ant slave rebellion. <i>Journal of Evolutionary Biology</i> , 2016, 29, 874-886.	1.7	3
45	Fitness costs of worker specialization for ant societies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152572.	2.6	21
46	The placid slavemaker: avoiding detection and conflict as an alternative, peaceful raiding strategy. <i>Behavioral Ecology and Sociobiology</i> , 2016, 70, 27-39.	1.4	10
47	Geographic Variation in Social Parasite Pressure Predicts Intraspecific but not Interspecific Aggressive Responses in Hosts of a Slavemaking Ant. <i>Ethology</i> , 2015, 121, 694-702.	1.1	15
48	The ecological success of a social parasite increases with manipulation of collective host behaviour. <i>Journal of Evolutionary Biology</i> , 2015, 28, 2152-2162.	1.7	13
49	The parasite's long arm: a tapeworm parasite induces behavioural changes in uninfected group members of its social host. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151473.	2.6	24
50	Worker Personality and Its Association with Spatially Structured Division of Labor. <i>PLoS ONE</i> , 2014, 9, e79616.	2.5	51
51	<i>Temnothorax pilagens</i> sp. n. "a new slave-making species of the tribe Formicoxenini from North America (Hymenoptera, Formicidae). <i>ZooKeys</i> , 2014, 368, 65-77.	1.1	8
52	Oh sister, where art thou? Spatial population structure and the evolution of an altruistic defence trait. <i>Journal of Evolutionary Biology</i> , 2014, 27, 2443-2456.	1.7	11
53	Forewarned is forearmed: aggression and information use determine fitness costs of slave raids. <i>Behavioral Ecology</i> , 2014, 25, 1058-1063.	2.2	19
54	The chemistry of competition: exploitation of heterospecific cues depends on the dominance rank in the community. <i>Animal Behaviour</i> , 2014, 94, 45-53.	1.9	19

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55	The role of per-capita productivity in the evolution of small colony sizes in ants. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 41-53.	1.4	31
56	Collective defence portfolios of ant hosts shift with social parasite pressure. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140225.	2.6	24
57	Gene expression patterns associated with caste and reproductive status in ants: worker-specific genes are more derived than queen-specific ones. <i>Molecular Ecology</i> , 2014, 23, 151-161.	3.9	112
58	Age and ovarian development are related to worker personality and task allocation in the ant <i>Leptothorax acervorum</i> . <i>Environmental Epigenetics</i> , 2014, 60, 392-400.	1.8	18
59	Parasite scouting and host defence behaviours are influenced by colony size in the slave-making ant <i>Protomognathus americanus</i> . <i>Insectes Sociaux</i> , 2013, 60, 293-301.	1.2	4
60	Selection for early emergence, longevity and large body size in wingless, sib-mating ant males. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 1369-1377.	1.4	6
61	Geographic distribution of the anti-parasite trait "slave rebellion". <i>Evolutionary Ecology</i> , 2013, 27, 39-49.	1.2	11
62	Starvation endurance in the ant <i>Temnothorax nylanderi</i> depends on group size, body size and access to larvae. <i>Physiological Entomology</i> , 2013, 38, 89-94.	1.5	39
63	Similar Performance of Diploid and Haploid Males in an Ant Species without Inbreeding Avoidance. <i>Ethology</i> , 2013, 119, 360-367.	1.1	10
64	Diverse societies are more productive: a lesson from ants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 2142-2150.	2.6	117
65	Raiders from the sky: slavemaker founding queens select for aggressive host colonies. <i>Biology Letters</i> , 2012, 8, 748-750.	2.3	21
66	Multicolonial population structure and nestmate recognition in an extremely dense population of the European ant <i>Lasius flavus</i> . <i>Insectes Sociaux</i> , 2012, 59, 499-510.	1.2	16
67	Ant Societies Buffer Individual-Level Effects of Parasite Infections. <i>American Naturalist</i> , 2012, 180, 671-683.	2.1	40
68	No inbreeding depression but increased sexual investment in highly inbred ant colonies. <i>Molecular Ecology</i> , 2012, 21, 5613-5623.	3.9	11
69	Cold resistance depends on acclimation and behavioral caste in a temperate ant. <i>Die Naturwissenschaften</i> , 2012, 99, 811-819.	1.6	27
70	Two pathways ensuring social harmony. <i>Die Naturwissenschaften</i> , 2012, 99, 627-636.	1.6	19
71	Characterizing the Collective Personality of Ant Societies: Aggressive Colonies Do Not Abandon Their Home. <i>PLoS ONE</i> , 2012, 7, e33314.	2.5	47
72	The advantage of alternative tactics of prey and predators depends on the spatial pattern of prey and social interactions among predators. <i>Population Ecology</i> , 2012, 54, 187-196.	1.2	12

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73	Similar evolutionary potentials in an obligate ant parasite and its two host species. <i>Journal of Evolutionary Biology</i> , 2011, 24, 871-886.	1.7	27
74	Macro- and microgeographic genetic structure in an ant species with alternative reproductive tactics in sexuals. <i>Journal of Evolutionary Biology</i> , 2011, 24, 2721-2730.	1.7	9
75	Differential Response of Ant Colonies to Intruders: Attack Strategies Correlate With Potential Threat. <i>Ethology</i> , 2011, 117, 731-739.	1.1	35
76	Impact of a social parasite on ant host populations depends on host species, habitat and year. <i>Biological Journal of the Linnean Society</i> , 2011, 103, 559-570.	1.6	11
77	Inclusive fitness theory and eusociality. <i>Nature</i> , 2011, 471, E1-E4.	27.8	339
78	Slave-making ants prefer larger, better defended host colonies. <i>Animal Behaviour</i> , 2011, 81, 61-68.	1.9	18
79	Wingless ant males adjust mate-guarding behaviour to the competitive situation in the nest. <i>Animal Behaviour</i> , 2011, 82, 339-346.	1.9	16
80	Division of labor and slave raid initiation in slave-making ants. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 2029-2036.	1.4	8
81	Competition over workers: fertility signalling in wingless queens of <i>Hypoponera opacior</i> . <i>Insectes Sociaux</i> , 2011, 58, 271-278.	1.2	10
82	Spatial structure and nest demography reveal the influence of competition, parasitism and habitat quality on slavemaking ants and their hosts. <i>BMC Ecology</i> , 2011, 11, 9.	3.0	10
83	Increased host aggression as an induced defense against slave-making ants. <i>Behavioral Ecology</i> , 2011, 22, 255-260.	2.2	46
84	Productivity increases with variation in aggression among group members in <i>Temnothorax</i> ants. <i>Behavioral Ecology</i> , 2011, 22, 1026-1032.	2.2	130
85	Alternative reproductive tactics and the impact of local competition on sex ratios in the ant <i>Hypoconeropsis opacior</i> . <i>Behavioral Ecology and Sociobiology</i> , 2010, 64, 1641-1654.	1.4	14
86	An ant social parasite in-between two chemical disparate host species. <i>Evolutionary Ecology</i> , 2010, 24, 317-332.	1.2	18
87	Brood exchange experiments and chemical analyses shed light on slave rebellion in ants. <i>Behavioral Ecology</i> , 2010, 21, 948-956.	2.2	22
88	Fine Tuning of Social Integration by Two Myrmecophiles of the Ponerine Army Ant, <i>Leptogenys distinguenda</i> . <i>Journal of Chemical Ecology</i> , 2009, 35, 355-367.	1.8	30
89	Fight or flight? A geographic mosaic in host reaction and potency of a chemical weapon in the social parasite <i>Harpagoxenus sublaevis</i> . <i>Behavioral Ecology and Sociobiology</i> , 2009, 64, 45-56.	1.4	18
90	FIRST EVIDENCE FOR SLAVE REBELLION: ENSLAVED ANT WORKERS SYSTEMATICALLY KILL THE BROOD OF THEIR SOCIAL PARASITE <i>PROTOMOGNATHUS AMERICANUS</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 1068-1075.	2.3	40

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91	Genetic diversity, population structure and sex-biased dispersal in three co-evolving species. <i>Journal of Evolutionary Biology</i> , 2009, 22, 2470-2480.	1.7	10
92	Locally adapted social parasite affects density, social structure, and life history of its ant hosts. <i>Ecology</i> , 2009, 90, 1195-1206.	3.2	37
93	Larval cannibalism and worker-induced separation of larvae in <i>Hypoponera</i> ants: a case of conflict over caste determination?. <i>Insectes Sociaux</i> , 2008, 55, 12-21.	1.2	14
94	Symbiont microcosm in an ant society and the diversity of interspecific interactions. <i>Animal Behaviour</i> , 2008, 76, 1477-1486.	1.9	41
95	Lifelong commitment to the wrong partner: hybridization in ants. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 2891-2899.	4.0	52
96	Population structure and the co-evolution between social parasites and their hosts. <i>Molecular Ecology</i> , 2007, 16, 2063-2078.	3.9	38
97	Nestmate recognition and intraspecific chemical and genetic variation in <i>Temnothorax</i> ants. <i>Animal Behaviour</i> , 2007, 73, 999-1007.	1.9	48
98	Bird song learning in an eavesdropping context. <i>Animal Behaviour</i> , 2007, 73, 929-935.	1.9	52
99	Phylogeny and phylogeography of the Mediterranean species of the parasitic ant genus <i>Chalepoxenus</i> and its <i>Temnothorax</i> hosts. <i>Insectes Sociaux</i> , 2007, 54, 189-199.	1.2	14
100	Distribution and genetic divergence of two parapatric sibling ant species in Central Europe. <i>Biological Journal of the Linnean Society</i> , 2006, 88, 223-234.	1.6	23
101	The influence of hybridization on colony structure in the ant species <i>Temnothorax nylanderi</i> and <i>T. crassispinus</i> . <i>Insectes Sociaux</i> , 2006, 53, 439-445.	1.2	10
102	Convergent evolution of the Dufour's gland secretion as a propaganda substance in the slave-making ant genera <i>Protomognathus</i> and <i>Harpagoxenus</i> . <i>Insectes Sociaux</i> , 2006, 53, 291-299.	1.2	23
103	Polymorphic microsatellite loci in the ponerine ant, <i>Hypoconerops opacior</i> (Hymenoptera, Formicidae). <i>Molecular Ecology Notes</i> , 2005, 5, 236-238.	1.7	6
104	A chemical level in the coevolutionary arms race between an ant social parasite and its hosts. <i>Journal of Evolutionary Biology</i> , 2005, 18, 576-586.	1.7	66
105	Microsatellite analysis reveals strong but differential impact of a social parasite on its two host species. <i>Molecular Ecology</i> , 2005, 15, 863-872.	3.9	19
106	Six origins of slavery in formicoxenine ants. <i>Insectes Sociaux</i> , 2005, 52, 291-297.	1.2	53
107	The coevolutionary dynamics of obligate ant social parasite systems – between prudence and antagonism. <i>Biological Reviews</i> , 2005, 80, 251-267.	10.4	108
108	Local co-adaptation leading to a geographical mosaic of coevolution in a social parasite system. <i>Journal of Evolutionary Biology</i> , 2004, 17, 1026-1034.	1.7	26

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109	Ecology of <i>Leptothorax</i> ants: impact of food, nest sites, and social parasites. <i>Behavioral Ecology and Sociobiology</i> , 2004, 55, 484-493.	1.4	52
110	COMMUNITY CONTEXT AND SPECIALIZATION INFLUENCE COEVOLUTION BETWEEN A SLAVEMAKING ANT AND ITS HOSTS. <i>Ecology</i> , 2004, 85, 2997-3009.	3.2	39
111	The significance of latitudinal variation in body size in a holarctic ant, <i>Leptothorax acervorum</i> . <i>Ecography</i> , 2003, 26, 349-355.	4.5	59
112	Ecology, life history and resource allocation in the ant, <i>Leptothorax nylanderi</i> . <i>Journal of Evolutionary Biology</i> , 2003, 16, 670-680.	1.7	33
113	Arms races between social parasites and their hosts: geographic patterns of manipulation and resistance. <i>Behavioral Ecology</i> , 2003, 14, 80-88.	2.2	61
114	THE ECOLOGY OF SLAVEMAKING ANTS AND THEIR HOSTS IN NORTH TEMPERATE FORESTS. <i>Ecology</i> , 2002, 83, 148-163.	3.2	42
115	Mate guarding and alternative reproductive tactics in the ant <i>Hypoponera opacior</i> . <i>Animal Behaviour</i> , 2002, 63, 597-604.	1.9	40
116	The Ecology of Slavemaking Ants and Their Hosts in North Temperate Forests. <i>Ecology</i> , 2002, 83, 148.	3.2	3
117	Conflict over Sex Allocation Drives Conflict over Reproductive Allocation in Perennial Social Insect Colonies. <i>American Naturalist</i> , 2001, 158, 178-192.	2.1	33
118	Coevolution in host-parasite systems: behavioural strategies of slave-making ants and their hosts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 1139-1146.	2.6	99
119	COLONY STRUCTURE OF A SLAVEMAKING ANT. I. INTRACOLONY RELATEDNESS, WORKER REPRODUCTION, AND POLYDOMY. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 307-315.	2.3	63
120	COLONY STRUCTURE OF A SLAVEMAKING ANT. II. FREQUENCY OF SLAVE RAIDS AND IMPACT ON THE HOST POPULATION. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 316-323.	2.3	60
121	Microgeographic genetic structure and intraspecific parasitism in the ant <i>Leptothorax nylanderi</i> . <i>Ecological Entomology</i> , 2001, 26, 449-456.	2.2	34
122	COLONY STRUCTURE OF A SLAVEMAKING ANT. II. FREQUENCY OF SLAVE RAIDS AND IMPACT ON THE HOST POPULATION. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 316.	2.3	6
123	COLONY STRUCTURE OF A SLAVEMAKING ANT. I. INTRACOLONY RELATEDNESS, WORKER REPRODUCTION, AND POLYDOMY. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 307.	2.3	4
124	Intraspecific parasitism and split sex ratios in a monogynous and monandrous ant ( <i>Leptothorax</i> ) <i>Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 1</i>	1.4	47
125	A Female Caste Specialized for the Production of Unfertilized Eggs in the Ant <i>Crematogaster smithi</i> . <i>Die Naturwissenschaften</i> , 1999, 86, 93-95.	1.6	34
126	Non-random Size Differences between Sympatric Species of the Ant Genus <i>Leptothorax</i> (Hymenoptera:) <i>Tj ETQq0 0 0 rgBT / Overlock 10</i>	3.1	8



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127	First Records of <i>Leptothorax rugatulus</i> (Hymenoptera: Formicidae) with cysticercoids of Tapeworms (Cestoda: Dilepididae) from the SouthWestern United States. <i>Florida Entomologist</i> , 1998, 81, 122.	0.5	6
128	Nest site limitation and colony takeover in the ant <i>Leptothorax nylanderi</i> . <i>Behavioral Ecology</i> , 1998, 9, 367-375.	2.2	131
129	Geographische Unterschiede in Kälteresistenz und Körpergröße bei der borealen Ameisen-Art <i>Leptothorax acervorum</i> (Hymenoptera: Formicidae). <i>Entomologia Generalis</i> , 1998, 22, 305-312.	3.1	18
130	Mating frequency of <i>Leptothorax nylanderi</i> ant queens determined by microsatellite analysis. <i>Insectes Sociaux</i> , 1997, 44, 219-227.	1.2	73
131	Apparent Enemy Phenomenon and Environment-based Recognition Cues in the Ant <i>Leptothorax nylanderi</i> . <i>Ethology</i> , 1996, 102, 510-522.	1.1	158
132	The value of spatial experience and group size for ant colonies in direct competition. <i>Insect Science</i> , 0, , .	3.0	1