

Jacobus Boomsma

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

277
papers

12,744
citations

59
h-index

96
g-index

283
ext. papers

14,357
ext. citations

5.8
avg, IF

6.64
L-index

#	Paper	IF	Citations
277	Relaxed selection underlies genome erosion in socially parasitic ant species. <i>Nature Communications</i> , 2021 , 12, 2918	17.4	3
276	Queens of the inquiline social parasite <i>Acromyrmex insinuator</i> can join nest-founding queens of its host, the leaf-cutting ant <i>Acromyrmex echinator</i> . <i>Insectes Sociaux</i> , 2021 , 68, 255-260	1.5	0
275	Nutritional niches reveal fundamental domestication trade-offs in fungus-farming ants. <i>Nature Ecology and Evolution</i> , 2021 , 5, 122-134	12.3	5
274	Proteomics reveals synergy between biomass degrading enzymes and inorganic Fenton chemistry in leaf-cutting ant colonies. <i>ELife</i> , 2021 , 10,	8.9	2
273	A novel method for using RNA-seq data to identify imprinted genes in social Hymenoptera with multiply mated queens. <i>Journal of Evolutionary Biology</i> , 2020 , 33, 1770-1782	2.3	1
272	The evolution of multicellular complexity: the role of relatedness and environmental constraints. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20192963	4.4	10
271	The gene expression network regulating queen brain remodeling after insemination and its parallel use in ants with reproductive workers. <i>Science Advances</i> , 2020 , 6,	14.3	5
270	The scent of symbiosis: gut bacteria may affect social interactions in leaf-cutting ants. <i>Animal Behaviour</i> , 2019 , 150, 239-254	2.8	19
269	Seminal fluid compromises visual perception in honeybee queens reducing their survival during additional mating flights. <i>ELife</i> , 2019 , 8,	8.9	7
268	Horizontal partner exchange does not preclude stable mutualism in fungus-growing ants. <i>Behavioral Ecology</i> , 2019 , 30, 372-382	2.3	4
267	Protein-Level Interactions as Mediators of Sexual Conflict in Ants. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, S34-S45	7.6	15
266	The evolution of abdominal microbiomes in fungus-growing ants. <i>Molecular Ecology</i> , 2019 , 28, 879-899	5.7	17
265	Monogamous sperm storage and permanent worker sterility in a long-lived ambrosia beetle. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1009-1018	12.3	12
264	Differential immune gene expression in sperm storage organs of leaf-cutting ants. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	4
263	Rival seminal fluid induces enhanced sperm motility in a polyandrous ant. <i>BMC Evolutionary Biology</i> , 2018 , 18, 28	3	6
262	Association of Long-Term Risk of Respiratory, Allergic, and Infectious Diseases With Removal of Adenoids and Tonsils in Childhood. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2018 , 144, 594-603	3.9	46
261	Chemical warfare between leafcutter ant symbionts and a co-evolved pathogen. <i>Nature Communications</i> , 2018 , 9, 2208	17.4	43

260	Reconstructing the functions of endosymbiotic Mollicutes in fungus-growing ants. <i>ELife</i> , 2018 , 7,	8.9	23
259	Superorganismality and caste differentiation as points of no return: how the major evolutionary transitions were lost in translation. <i>Biological Reviews</i> , 2018 , 93, 28-54	13.5	108
258	Limitations to the Association of Risk of Airway Disease With Removal of Adenoids and Tonsils in Children-Reply. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2018 , 144, 1188-1189	3.9	
257	Towards reconstructing the ancestral brain gene-network regulating caste differentiation in ants. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1782-1791	12.3	23
256	Time from pre-eclampsia diagnosis to delivery affects future health prospects of children. <i>Evolution, Medicine and Public Health</i> , 2017 , 2017, 53-66	3	10
255	Diversity and Transmission of Gut Bacteria in and Leaf-Cutting Ants during Development. <i>Frontiers in Microbiology</i> , 2017 , 8, 1942	5.7	36
254	Nutrition mediates the expression of cultivar-farmer conflict in a fungus-growing ant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10121-6	11.5	25
253	Reciprocal genomic evolution in the ant-fungus agricultural symbiosis. <i>Nature Communications</i> , 2016 , 7, 12233	17.4	74
252	Clonal yeast biofilms can reap competitive advantages through cell differentiation without being obligatorily multicellular. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	12
251	Queen reproductive tract secretions enhance sperm motility in ants. <i>Biology Letters</i> , 2016 , 12,	3.6	8
250	Ant mediated redistribution of a xyloglucanase enzyme in fungus gardens of <i>Acromyrmex echinator</i> . <i>BMC Microbiology</i> , 2016 , 16, 81	4.5	9
249	Genome Analysis of Two Phylotypes Associated with Leafcutter Ants Reveals Their Biosynthetic Potential. <i>Frontiers in Microbiology</i> , 2016 , 7, 2073	5.7	27
248	When every sperm is sacred: the emergence and decline of superorganismal chimeras. <i>Functional Ecology</i> , 2016 , 30, 504-505	5.6	2
247	Slowing them down will make them lose: a role for attine ant crop fungus in defending pupae against infections?. <i>Journal of Animal Ecology</i> , 2016 , 85, 1210-21	4.7	7
246	Fifty years of illumination about the natural levels of adaptation. <i>Current Biology</i> , 2016 , 26, R1250-R1255.	5.3	5
245	Opposite differential risks for autism and schizophrenia based on maternal age, paternal age, and parental age differences. <i>Evolution, Medicine and Public Health</i> , 2016 , 2016, 286-98	3	11
244	The ejaculatory biology of leafcutter ants. <i>Journal of Insect Physiology</i> , 2015 , 74, 56-62	2.4	10
243	A genomic comparison of two termites with different social complexity. <i>Frontiers in Genetics</i> , 2015 , 6, 9	4.5	36

242	Functional role of phenylacetic acid from metapleural gland secretions in controlling fungal pathogens in evolutionarily derived leaf-cutting ants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20150212	4.4	26
241	Interaction specificity between leaf-cutting ants and vertically transmitted <i>Pseudonocardia</i> bacteria. <i>BMC Evolutionary Biology</i> , 2015 , 15, 27	3	23
240	Integration strategies of a leaf-cutting ant social parasite. <i>Animal Behaviour</i> , 2015 , 108, 55-65	2.8	15
239	Bacterial symbiont sharing in <i>Megalomyrmex</i> social parasites and their fungus-growing ant hosts. <i>Molecular Ecology</i> , 2015 , 24, 3151-69	5.7	23
238	Policing and punishment across the domains of social evolution. <i>Oikos</i> , 2015 , 124, 971-982	4	17
237	Ant sperm storage organs do not have phenoloxidase constitutive immune activity. <i>Journal of Insect Physiology</i> , 2015 , 78, 9-14	2.4	8
236	<i>Acromyrmex</i> Leaf-Cutting Ants Have Simple Gut Microbiota with Nitrogen-Fixing Potential. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 5527-37	4.8	55
235	Evolutionarily advanced ant farmers rear polyploid fungal crops. <i>Journal of Evolutionary Biology</i> , 2015 , 28, 1911-24	2.3	28
234	Somatic incompatibility and genetic structure of fungal crops in sympatric and leaf-cutting ants. <i>Fungal Ecology</i> , 2015 , 18, 10-17	4.1	11
233	Short independent lives and selection for maximal sperm survival make investment in immune defences unprofitable for leaf-cutting ant males. <i>Behavioral Ecology and Sociobiology</i> , 2014 , 68, 947-955	2.5	14
232	Evolutionary interaction networks of insect pathogenic fungi. <i>Annual Review of Entomology</i> , 2014 , 59, 467-85	21.8	108
231	Convergent development of ecological, genetic, and morphological traits in native supercolonies of the red ant <i>Myrmica rubra</i> . <i>Behavioral Ecology and Sociobiology</i> , 2014 , 68, 1859-1870	2.5	8
230	Caste-specific RNA editomes in the leaf-cutting ant <i>Acromyrmex echinatior</i> . <i>Nature Communications</i> , 2014 , 5, 4943	17.4	41
229	<i>Leucoagaricus gongylophorus</i> uses leaf-cutting ants to vector proteolytic enzymes towards new plant substrate. <i>ISME Journal</i> , 2014 , 8, 1032-40	11.9	15
228	Opposite risk patterns for autism and schizophrenia are associated with normal variation in birth size: phenotypic support for hypothesized diametric gene-dosage effects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20140604	4.4	23
227	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, 14500-5	11.5	163
226	Evolution: sympatric speciation the eusocial way. <i>Current Biology</i> , 2014 , 24, R798-800	6.3	9
225	Variable interaction specificity and symbiont performance in Panamanian <i>Trachymyrmex</i> and <i>Sericomyrmex</i> fungus-growing ants. <i>BMC Evolutionary Biology</i> , 2014 , 14, 244	3	14

224	Identifying the core microbial community in the gut of fungus-growing termites. <i>Molecular Ecology</i> , 2014 , 23, 4631-44	5.7	108
223	Symbiotic adaptations in the fungal cultivar of leaf-cutting ants. <i>Nature Communications</i> , 2014 , 5, 5675	17.4	57
222	Sperm mixing in the polyandrous leaf-cutting ant <i>Acromyrmex echinator</i> . <i>Ecology and Evolution</i> , 2014 , 4, 3571-82	2.8	9
221	The evolution of multiqueen breeding in eusocial lineages with permanent physically differentiated castes. <i>Animal Behaviour</i> , 2014 , 92, 241-252	2.8	44
220	Differences in forage-acquisition and fungal enzyme activity contribute to niche segregation in Panamanian leaf-cutting ants. <i>PLoS ONE</i> , 2014 , 9, e94284	3.7	20
219	The fungal symbiont of <i>Acromyrmex</i> leaf-cutting ants expresses the full spectrum of genes to degrade cellulose and other plant cell wall polysaccharides. <i>BMC Genomics</i> , 2013 , 14, 928	4.5	31
218	A technique to artificially inseminate leafcutter ants. <i>Insectes Sociaux</i> , 2013 , 60, 111-118	1.5	6
217	Social insect genomes exhibit dramatic evolution in gene composition and regulation while preserving regulatory features linked to sociality. <i>Genome Research</i> , 2013 , 23, 1235-47	9.7	166
216	Beyond promiscuity: mate-choice commitments in social breeding. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20120050	5.8	94
215	Differential gene expression in <i>Acromyrmex</i> leaf-cutting ants after challenges with two fungal pathogens. <i>Molecular Ecology</i> , 2013 , 22, 2173-87	5.7	22
214	Dynamic disease management in <i>Trachymyrmex</i> fungus-growing ants (Attini: Formicidae). <i>American Naturalist</i> , 2013 , 181, 571-82	3.7	24
213	Nice to kin and nasty to non-kin: revisiting Hamilton's early insights on eusociality. <i>Biology Letters</i> , 2013 , 9, 20130444	3.6	21
212	Laccase detoxification mediates the nutritional alliance between leaf-cutting ants and fungus-garden symbionts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 583-7	11.5	97
211	Chemically armed mercenary ants protect fungus-farming societies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 15752-7	11.5	26
210	Specificity and stability of the <i>Acromyrmex</i> - <i>Pseudonocardia</i> symbiosis. <i>Molecular Ecology</i> , 2013 , 22, 4307-4321	5.4	51
209	When every sperm counts: factors affecting male fertility in the honeybee <i>Apis mellifera</i> . <i>Behavioral Ecology</i> , 2013 , 24, 1192-1198	2.3	64
208	Parent-offspring conflict and the persistence of pregnancy-induced hypertension in modern humans. <i>PLoS ONE</i> , 2013 , 8, e56821	3.7	13
207	An evaluation of the possible adaptive function of fungal brood covering by Attine ants. <i>Evolution; International Journal of Organic Evolution</i> , 2012 , 66, 1966-75	3.8	14

206	Dispersal and gene flow in the rare, parasitic Large Blue butterfly <i>Maculinea arion</i> . <i>Molecular Ecology</i> , 2012 , 21, 3224-36	5.7	23
205	Reproduction and dispersal in an ant-associated root aphid community. <i>Molecular Ecology</i> , 2012 , 21, 4253-69	5.7	11
204	Dynamic Wolbachia prevalence in <i>Acromyrmex</i> leaf-cutting ants: potential for a nutritional symbiosis. <i>Journal of Evolutionary Biology</i> , 2012 , 25, 1340-50	2.3	47
203	Ants farm subterranean aphids mostly in single clone groups--an example of prudent husbandry for carbohydrates and proteins?. <i>BMC Evolutionary Biology</i> , 2012 , 12, 106	3	19
202	Virulence of mixed fungal infections in honey bee brood. <i>Frontiers in Zoology</i> , 2012 , 9, 5	2.8	23
201	Wingless virgin queens assume helper roles in <i>Acromyrmex</i> leaf-cutting ants. <i>Current Biology</i> , 2012 , 22, R671-3	6.3	13
200	Disease dynamics in a specialized parasite of ant societies. <i>PLoS ONE</i> , 2012 , 7, e36352	3.7	30
199	Regulation and specificity of antifungal metapleural gland secretion in leaf-cutting ants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 4215-22	4.4	19
198	The dynamics of plant cell-wall polysaccharide decomposition in leaf-cutting ant fungus gardens. <i>PLoS ONE</i> , 2011 , 6, e17506	3.7	36
197	Strict monandry in the ponerine army ant genus <i>Simopelta</i> suggests that colony size and complexity drive mating system evolution in social insects. <i>Molecular Ecology</i> , 2011 , 20, 420-8	5.7	6
196	Farming termites determine the genetic population structure of <i>Termitomyces</i> fungal symbionts. <i>Molecular Ecology</i> , 2011 , 20, 2023-33	5.7	29
195	Random sperm use and genetic effects on worker caste fate in <i>Atta colombica</i> leaf-cutting ants. <i>Molecular Ecology</i> , 2011 , 20, 5092-102	5.7	22
194	Immune defense in leaf-cutting ants: a cross-fostering approach. <i>Evolution; International Journal of Organic Evolution</i> , 2011 , 65, 1791-9	3.8	16
193	Only full-sibling families evolved eusociality. <i>Nature</i> , 2011 , 471, E4-5; author reply E9-10	50.4	62
192	No benefit in diversity? The effect of genetic variation on survival and disease resistance in a polygynous social insect. <i>Ecological Entomology</i> , 2011 , 36, 751-759	2.1	18
191	Temperature dependent virulence of obligate and facultative fungal pathogens of honeybee brood. <i>Veterinary Microbiology</i> , 2011 , 149, 200-5	3.3	43
190	Variation in male body size and reproductive allocation in the leafcutter ant <i>Atta colombica</i> : estimating variance components and possible trade-offs. <i>Insectes Sociaux</i> , 2011 , 58, 47-55	1.5	19
189	Queen-worker caste ratio depends on colony size in the pharaoh ant (<i>Monomorium pharaonis</i>). <i>Insectes Sociaux</i> , 2011 , 58, 139-144	1.5	18

188	Rapid shifts in <i>Atta cephalotes</i> fungus-garden enzyme activity after a change in fungal substrate (Attini, Formicidae). <i>Insectes Sociaux</i> , 2011 , 58, 145-151	1.5	19
187	Survival and growth of parasitic <i>Maculinea alcon</i> caterpillars (Lepidoptera, Lycaenidae) in laboratory nests of three <i>Myrmica</i> ant species. <i>Insectes Sociaux</i> , 2011 , 58, 391-401	1.5	10
186	Nine novel microsatellite markers for the army ant <i>Simopelta pergandei</i> (subfamily Ponerinae). <i>Conservation Genetics Resources</i> , 2011 , 3, 61-63	0.8	1
185	Characterisation and cross-amplification of polymorphic microsatellite loci in ant-associated root-aphids. <i>Conservation Genetics Resources</i> , 2011 , 3, 73-77	0.8	3
184	Hybridization in East African swarm-raiding army ants. <i>Frontiers in Zoology</i> , 2011 , 8, 20	2.8	12
183	Reconstructing eight decades of genetic variation in an isolated Danish population of the large blue butterfly <i>Maculinea arion</i> . <i>BMC Evolutionary Biology</i> , 2011 , 11, 201	3	31
182	Evolutionary patterns of proteinase activity in attine ant fungus gardens. <i>BMC Microbiology</i> , 2011 , 11, 15	4.5	18
181	The genome of the leaf-cutting ant <i>Acromyrmex echinatior</i> suggests key adaptations to advanced social life and fungus farming. <i>Genome Research</i> , 2011 , 21, 1339-48	9.7	183
180	The genome of the fire ant <i>Solenopsis invicta</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 5679-84	11.5	279
179	Genetic variation in virulence among chalkbrood strains infecting honeybees. <i>PLoS ONE</i> , 2011 , 6, e25035	3.7	26
178	Evolutionary transitions in enzyme activity of ant fungus gardens. <i>Evolution; International Journal of Organic Evolution</i> , 2010 , 64, 2055-69	3.8	60
177	Blending of heritable recognition cues among ant nestmates creates distinct colony gestalt odours but prevents within-colony nepotism. <i>Journal of Evolutionary Biology</i> , 2010 , 23, 1498-508	2.3	69
176	Seminal fluid mediates ejaculate competition in social insects. <i>Science</i> , 2010 , 327, 1506-9	33.3	130
175	Caste-specific expression of genetic variation in the size of antibiotic-producing glands of leaf-cutting ants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 609-15	4.4	31
174	Colony fusion and worker reproduction after queen loss in army ants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 755-63	4.4	30
173	Diploid male production in a leaf-cutting ant. <i>Ecological Entomology</i> , 2010 , 35, 175-182	2.1	18
172	Forage collection, substrate preparation, and diet composition in fungus-growing ants. <i>Ecological Entomology</i> , 2010 , 35, 259-269	2.1	62
171	Retrospective. Rossiter H. Crozier (1943-2009). <i>Science</i> , 2010 , 327, 45	33.3	

170	Leaf-cutting ant fungi produce cell wall degrading pectinase complexes reminiscent of phytopathogenic fungi. <i>BMC Biology</i> , 2010 , 8, 156	7.3	56
169	Large-scale evolutionary patterns of host plant associations in the Lepidoptera. <i>Evolution; International Journal of Organic Evolution</i> , 2010 , 64, 1098-119	3.8	50
168	The effects of age and social interactions on innate immunity in a leaf-cutting ant. <i>Journal of Insect Physiology</i> , 2010 , 56, 780-7	2.4	47
167	Workers of <i>Acromyrmex echinatior</i> leafcutter ants police worker-laid eggs, but not reproductive workers. <i>Animal Behaviour</i> , 2010 , 80, 487-495	2.8	4
166	Rethinking crop-disease management in fungus-growing ants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 17611-2	11.5	21
165	Caste-specific symbiont policing by workers of <i>Acromyrmex</i> fungus-growing ants. <i>Behavioral Ecology</i> , 2009 , 20, 378-384	2.3	18
164	Sperm length evolution in the fungus-growing ants. <i>Behavioral Ecology</i> , 2009 , 20, 38-45	2.3	17
163	Honey bee males and queens use glandular secretions to enhance sperm viability before and after storage. <i>Journal of Insect Physiology</i> , 2009 , 55, 538-43	2.4	92
162	Fungus gardens of the leafcutter ant <i>Atta colombica</i> function as egg nurseries for the snake <i>Leptodeira annulata</i> . <i>Insectes Sociaux</i> , 2009 , 56, 289-291	1.5	4
161	Genetic differentiation between the ant <i>Myrmica rubra</i> and its microgynous social parasite. <i>Insectes Sociaux</i> , 2009 , 56, 425-437	1.5	23
160	Ephemeral windows of opportunity for horizontal transmission of fungal symbionts in leaf-cutting ants. <i>Evolution; International Journal of Organic Evolution</i> , 2009 , 63, 2235-47	3.8	21
159	High symbiont relatedness stabilizes mutualistic cooperation in fungus-growing termites. <i>Science</i> , 2009 , 326, 1103-6	33.3	104
158	Novel fungal disease in complex leaf-cutting ant societies. <i>Ecological Entomology</i> , 2009 , 34, 214-220	2.1	26
157	Prudent sperm use by leaf-cutter ant queens. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 3945-53	4.4	52
156	Lifetime monogamy and the evolution of eusociality. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009 , 364, 3191-207	5.8	255
155	The life of a dead ant: the expression of an adaptive extended phenotype. <i>American Naturalist</i> , 2009 , 174, 424-33	3.7	141
154	Reduced biological control and enhanced chemical pest management in the evolution of fungus farming in ants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 2263-9	4.4	92
153	Ant queen egg-marking signals: matching deceptive laboratory simplicity with natural complexity. <i>PLoS ONE</i> , 2009 , 4, e4718	3.7	29

152	Graveyards on the move: the spatio-temporal distribution of dead ophiocordyceps-infected ants. <i>PLoS ONE</i> , 2009 , 4, e4835	3.7	59
151	Towards a molecular understanding of symbiont function: identification of a fungal gene for the degradation of xylan in the fungus gardens of leaf-cutting ants. <i>BMC Microbiology</i> , 2008 , 8, 40	4.5	54
150	Subordinate wasps are more aggressive in colonies with low reproductive skew. <i>Animal Behaviour</i> , 2008 , 75, 879-886	2.8	6
149	Extended phenotype: nematodes turn ants into bird-dispersed fruits. <i>Current Biology</i> , 2008 , 18, R294-5	6.3	14
148	Social insect symbionts: evolution in homeostatic fortresses. <i>Trends in Ecology and Evolution</i> , 2008 , 23, 672-7	10.9	108
147	A mosaic of chemical coevolution in a large blue butterfly. <i>Science</i> , 2008 , 319, 88-90	33.3	155
146	Genetic royal cheats in leaf-cutting ant societies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5150-3	11.5	81
145	The evolution of invasiveness in garden ants. <i>PLoS ONE</i> , 2008 , 3, e3838	3.7	62
144	Seminal fluid enhances sperm viability in the leafcutter ant <i>Atta colombica</i> . <i>Behavioral Ecology and Sociobiology</i> , 2008 , 62, 1843-1849	2.5	52
143	The introduction history of invasive garden ants in Europe: integrating genetic, chemical and behavioural approaches. <i>BMC Biology</i> , 2008 , 6, 11	7.3	64
142	Wolbachia in leafcutter ants: a widespread symbiont that may induce male killing or incompatible matings. <i>Journal of Evolutionary Biology</i> , 2008 , 14, 805-814	2.3	39
141	Sex allocation in fungus-growing ants: worker or queen control without symbiont-induced female bias. <i>Oikos</i> , 2008 , 117, 1892-1906	4	7
140	Antimicrobial defense shows an abrupt evolutionary transition in the fungus-growing ants. <i>Evolution; International Journal of Organic Evolution</i> , 2008 , 62, 1252-7	3.8	31
139	Worker caste determination in the army ant <i>Eciton burchellii</i> . <i>Biology Letters</i> , 2007 , 3, 513-6	3.6	55
138	Population structure of a large blue butterfly and its specialist parasitoid in a fragmented landscape. <i>Molecular Ecology</i> , 2007 , 16, 3828-38	5.7	49
137	Characterization of 12 new microsatellite loci in <i>Aenictus</i> and <i>Neivamyrmex</i> army ants. <i>Molecular Ecology Notes</i> , 2007 , 7, 688-690		1
136	The evolution of multiple mating in army ants. <i>Evolution; International Journal of Organic Evolution</i> , 2007 , 61, 413-22	3.8	53
135	Patterns of interaction specificity of fungus-growing termites and <i>Termitomyces</i> symbionts in South Africa. <i>BMC Evolutionary Biology</i> , 2007 , 7, 115	3	50

134	A molecular phylogeny of Dorylus army ants provides evidence for multiple evolutionary transitions in foraging niche. <i>BMC Evolutionary Biology</i> , 2007 , 7, 56	3	22
133	Kin selection versus sexual selection: why the ends do not meet. <i>Current Biology</i> , 2007 , 17, R673-83	6.3	194
132	Multiple queens means fewer mates. <i>Current Biology</i> , 2007 , 17, R753-5	6.3	22
131	The economy of worker reproduction in Acromyrmex leafcutter ants. <i>Animal Behaviour</i> , 2007 , 74, 519-529	2.8	26
130	Chemical mimicry in an incipient leaf-cutting ant social parasite. <i>Behavioral Ecology and Sociobiology</i> , 2007 , 61, 843-851	2.5	49
129	The origin of the chemical profiles of fungal symbionts and their significance for nestmate recognition in Acromyrmex leaf-cutting ants. <i>Behavioral Ecology and Sociobiology</i> , 2007 , 61, 1637-1649	2.5	37
128	Do army ant queens re-mate later in life?. <i>Insectes Sociaux</i> , 2007 , 54, 20-28	1.5	15
127	Six weeks in the life of a reproducing army ant colony: male parentage and colony behaviour. <i>Insectes Sociaux</i> , 2007 , 54, 118-123	1.5	9
126	Sex allocation in the polydomous leaf-cutting ant Acromyrmexbalzani. <i>Ecological Research</i> , 2007 , 22, 288-295	1.9	3
125	Specificity in chemical profiles of workers, brood and mutualistic fungi in Atta, Acromyrmex, and Sericomyrmex fungus-growing ants. <i>Journal of Chemical Ecology</i> , 2007 , 33, 2281-92	2.7	30
124	Asymmetric interaction specificity between two sympatric termites and their fungal symbionts. <i>Ecological Entomology</i> , 2007 , 32, 76-81	2.1	10
123	Genetic polymorphism in leaf-cutting ants is phenotypically plastic. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 1625-30	4.4	33
122	Population genetic signatures of diffuse co-evolution between leaf-cutting ants and their cultivar fungi. <i>Molecular Ecology</i> , 2007 , 16, 209-16	5.7	75
121	Are workers of Atta leafcutter ants capable of reproduction?. <i>Insectes Sociaux</i> , 2006 , 53, 136-140	1.5	17
120	Differential resistance and the importance of antibiotic production in Acromyrmex echinatior leaf-cutting ant castes towards the entomopathogenic fungus Aspergillus nomius. <i>Insectes Sociaux</i> , 2006 , 53, 349-355	1.5	29
119	A reassessment of the mating system characteristics of the army ant Eciton burchellii. <i>Die Naturwissenschaften</i> , 2006 , 93, 402-6	2	30
118	Social-insect fungus farming. <i>Current Biology</i> , 2006 , 16, R1014-6	6.3	42
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