

# Laurent Keller

## List of Publications by Year in descending order

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Version: 2024-02-01

325  
papers

22,885  
citations

8159

76  
h-index

12558

132  
g-index

384  
all docs

384  
docs citations

384  
times ranked

12432  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Queen Supergene Pheromone in the Red Imported Fire Ant Using Worker Discrimination Assays. <i>Journal of Chemical Ecology</i> , 2022, 48, 109-120.	0.9	4
2	Ant phylogenomics reveals a natural selection hotspot preceding the origin of complex eusociality. <i>Current Biology</i> , 2022, 32, 2942-2947.e4.	1.8	20
3	Iterative evolution of supergene-based social polymorphism in ants. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, .	1.8	15
4	Ant behavioral maturation is mediated by a stochastic transition between two fundamental states. <i>Current Biology</i> , 2021, 31, 2253-2260.e3.	1.8	19
5	Multi-level social organization and nest-drifting behaviour in a eusocial insect. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210275.	1.2	0
6	Leadership “not followership” determines performance in ant teams. <i>Communications Biology</i> , 2021, 4, 535.	2.0	20
7	Reply to Leimar and Hammerstein: Limited gene flow leads to individuals being related within groups. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2108545118.	3.3	0
8	The co“evolution of longevity and social life. <i>Functional Ecology</i> , 2020, 34, 76-87.	1.7	58
9	The evolution of altruism and the serial rediscovery of the role of relatedness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28894-28898.	3.3	53
10	The Surprising Creativity of Digital Evolution: A Collection of Anecdotes from the Evolutionary Computation and Artificial Life Research Communities. <i>Artificial Life</i> , 2020, 26, 274-306.	1.0	88
11	Evolution of a supergene that regulates a trans-species social polymorphism. <i>Nature Ecology and Evolution</i> , 2020, 4, 240-249.	3.4	62
12	Insights and opportunities in insect social behavior. <i>Current Opinion in Insect Science</i> , 2019, 34, ix-xx.	2.2	3
13	Kin selection and altruism. <i>Current Biology</i> , 2019, 29, R438-R442.	1.8	18
14	Coevolution of Genome Architecture and Social Behavior. <i>Trends in Ecology and Evolution</i> , 2019, 34, 844-855.	4.2	49
15	Oxytocin/vasopressin-like peptide inotocin regulates cuticular hydrocarbon synthesis and water balancing in ants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5597-5606.	3.3	29
16	Sexual conflict drives male manipulation of female postmating responses in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8437-8444.	3.3	72
17	Tissue- and sex-specific small RNAsomes reveal sex differences in response to the environment. <i>PLoS Genetics</i> , 2019, 15, e1007905.	1.5	22
18	Distinct genomic signals of lifespan and life history evolution in response to postponed reproduction and larval diet in <i>Drosophila</i> . <i>Evolution Letters</i> , 2019, 3, 598-609.	1.6	20

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19	Supergene, sex and sociality. <i>Comptes Rendus - Biologies</i> , 2019, 342, .	0.1	0
20	Phylogenomics of palearctic <i>Formica</i> species suggests a single origin of temporary parasitism and gives insights to the evolutionary pathway toward slave-making behaviour. <i>BMC Evolutionary Biology</i> , 2018, 18, 40.	3.2	15
21	Elevated expression of ageing and immunity genes in queens of the black garden ant. <i>Experimental Gerontology</i> , 2018, 108, 92-98.	1.2	15
22	Social polymorphism is favoured by the co-evolution of dispersal with social behaviour. <i>Nature Ecology and Evolution</i> , 2018, 2, 132-140.	3.4	64
23	Social network plasticity decreases disease transmission in a eusocial insect. <i>Science</i> , 2018, 362, 941-945.	6.0	202
24	<i>Doublesex</i> Evolution Is Correlated with Social Complexity in Ants. <i>Genome Biology and Evolution</i> , 2018, 10, 3230-3242.	1.1	12
25	Molecular evolution of juvenile hormone esterase-like proteins in a socially exchanged fluid. <i>Scientific Reports</i> , 2018, 8, 17830.	1.6	27
26	Recurrent bridgehead effects accelerate global alien ant spread. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5486-5491.	3.3	85
27	New explanation for the longevity of social insect reproductives: Transposable element activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5317-5318.	3.3	3
28	Bridgehead Effects and Role of Adaptive Evolution in Invasive Populations. <i>Trends in Ecology and Evolution</i> , 2018, 33, 527-534.	4.2	105
29	Caste ratio adjustments in response to perceived and realised competition in parasites with division of labour. <i>Journal of Animal Ecology</i> , 2018, 87, 1429-1439.	1.3	10
30	Positive selection on sociobiological traits in invasive fire ants. <i>Molecular Ecology</i> , 2018, 27, 3116-3130.	2.0	22
31	Supergene control of a reproductive polymorphism. <i>Peer Community in Evolutionary Biology</i> , 2018, , .	0.0	0
32	<i>Camponotus fellah</i> queens are singly mated. <i>Insectes Sociaux</i> , 2017, 64, 269-276.	0.7	4
33	Explaining Extraordinary Life Spans. , 2017, , 198-219.		2
34	Recent human history governs global ant invasion dynamics. <i>Nature Ecology and Evolution</i> , 2017, 1, 0184.	3.4	112
35	Lifespan differences between queens and workers are not explained by rates of molecular damage. <i>Experimental Gerontology</i> , 2017, 92, 1-6.	1.2	12
36	Genetics and Evolution of Social Behavior in Insects. <i>Annual Review of Genetics</i> , 2017, 51, 219-239.	3.2	43

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37	Automated computer-based detection of encounter behaviours in groups of honeybees. Scientific Reports, 2017, 7, 17663.	1.6	22
38	Low number of fixed somatic mutations in a long-lived oak tree. Nature Plants, 2017, 3, 926-929.	4.7	120
39	Sexual selection shapes development and maturation rates in <i>Drosophila</i> . Evolution; International Journal of Organic Evolution, 2017, 71, 304-314.	1.1	14
40	Convergent evolution of social hybridogenesis in <i>Messor</i> harvester ants. Molecular Ecology, 2017, 26, 1108-1117.	2.0	27
41	Short-term activity cycles impede information transmission in ant colonies. PLoS Computational Biology, 2017, 13, e1005527.	1.5	17
42	Gene expression is more strongly influenced by age than caste in the ant <i>Lasius niger</i> . Molecular Ecology, 2017, 26, 5058-5073.	2.0	18
43	Evolutionary Stability of Jointly Evolving Traits in Subdivided Populations. American Naturalist, 2016, 188, 175-195.	1.0	55
44	Uncovering Latent Behaviors in Ant Colonies. , 2016, , .		2
45	Inter-caste communication in social insects. Current Opinion in Neurobiology, 2016, 38, 6-11.	2.0	35
46	Robust DNA Methylation in the Clonal Raider Ant Brain. Current Biology, 2016, 26, 391-395.	1.8	133
47	Phylogenomics Controlling for Base Compositional Bias Reveals a Single Origin of Eusociality in Corbiculate Bees. Molecular Biology and Evolution, 2016, 33, 670-678.	3.5	80
48	Higher expression of somatic repair genes in long-lived ant queens than workers. Aging, 2016, 8, 1940-1951.	1.4	28
49	Oral transfer of chemical cues, growth proteins and hormones in social insects. ELife, 2016, 5, .	2.8	100
50	No evidence that within-group male relatedness reduces harm to females in <i>Drosophila</i> . Ecology and Evolution, 2015, 5, 979-983.	0.8	21
51	Expression of <i>foraging</i> and <i>Gp9</i> are associated with social organization in the fire ant <i>Solenopsis invicta</i> . Insect Molecular Biology, 2015, 24, 93-104.	1.0	20
52	Social isolation causes mortality by disrupting energy homeostasis in ants. Behavioral Ecology and Sociobiology, 2015, 69, 583-591.	0.6	49
53	The making of eusociality: insights from two bumblebee genomes. Genome Biology, 2015, 16, 75.	3.8	6
54	Patterns of Positive Selection in Seven Ant Genomes. Molecular Biology and Evolution, 2014, 31, 1661-1685.	3.5	138

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55	Editorial overview: Social insects: The internal rules of ant societies. <i>Current Opinion in Insect Science</i> , 2014, 5, iv-v.	2.2	0
56	Evolution under monogamy feminizes gene expression in <i>Drosophila melanogaster</i> . <i>Nature Communications</i> , 2014, 5, 3482.	5.8	83
57	Population genomics of eusocial insects: the costs of a vertebrate-like effective population size. <i>Journal of Evolutionary Biology</i> , 2014, 27, 593-603.	0.8	89
58	Supergenes and Complex Phenotypes. <i>Current Biology</i> , 2014, 24, R288-R294.	1.8	307
59	Molecular and social regulation of worker division of labour in fire ants. <i>Molecular Ecology</i> , 2014, 23, 660-672.	2.0	46
60	Selection methods regulate evolution of cooperation in digital evolution. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20130743.	1.5	0
61	Social chromosome variants differentially affect queen determination and the survival of workers in the fire ant <i>Solenopsis invicta</i> . <i>Molecular Ecology</i> , 2014, 23, 5117-5127.	2.0	12
62	Effects of ploidy and sex-locus genotype on gene expression patterns in the fire ant <i>Solenopsis invicta</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141776.	1.2	18
63	Ageing and somatic maintenance in social insects. <i>Current Opinion in Insect Science</i> , 2014, 5, 31-36.	2.2	32
64	Ant genomics sheds light on the molecular regulation of social organization. <i>Genome Biology</i> , 2013, 14, 212.	13.9	48
65	A Y-like social chromosome causes alternative colony organization in fire ants. <i>Nature</i> , 2013, 493, 664-668.	13.7	347
66	GENETIC COMPATIBILITY AFFECTS DIVISION OF LABOR IN THE ARGENTINE ANTLINEPITHEMA HUMILE. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 517-524.	1.1	24
67	Social insect genomes exhibit dramatic evolution in gene composition and regulation while preserving regulatory features linked to sociality. <i>Genome Research</i> , 2013, 23, 1235-1247.	2.4	205
68	Tracking Individuals Shows Spatial Fidelity Is a Key Regulator of Ant Social Organization. <i>Science</i> , 2013, 340, 1090-1093.	6.0	335
69	The molecular basis of social behavior: models, methods and advances. <i>Current Opinion in Neurobiology</i> , 2013, 23, 3-10.	2.0	34
70	A simple genetic basis for complex social behaviour mediates widespread gene expression differences. <i>Molecular Ecology</i> , 2013, 22, 3797-3813.	2.0	21
71	Using robots to understand social behaviour. <i>Biological Reviews</i> , 2013, 88, 31-39.	4.7	71
72	Non-nest mate discrimination and clonal colony structure in the parthenogenetic ant <i>Cerapachys biroi</i> . <i>Behavioral Ecology</i> , 2013, 24, 617-622.	1.0	18

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73	Sociogenomics of Cooperation and Conflict during Colony Founding in the Fire Ant <i>Solenopsis invicta</i> . <i>PLoS Genetics</i> , 2013, 9, e1003633.	1.5	35
74	Vitellogenin Underwent Subfunctionalization to Acquire Caste and Behavioral Specific Expression in the Harvester Ant <i>Pogonomyrmex barbatus</i> . <i>PLoS Genetics</i> , 2013, 9, e1003730.	1.5	101
75	Duplication and concerted evolution in a master sex determiner under balancing selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122968.	1.2	21
76	Evolution at Two Levels in Fire Ants: The Relationship between Patterns of Gene Expression and Protein Sequence Evolution. <i>Molecular Biology and Evolution</i> , 2013, 30, 263-271.	3.5	46
77	Interplay between insulin signaling, juvenile hormone, and vitellogenin regulates maternal effects on polyphenism in ants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11050-11055.	3.3	110
78	Evolving Team Compositions by Agent Swapping. <i>IEEE Transactions on Evolutionary Computation</i> , 2013, 17, 282-298.	7.5	9
79	Historical contingency affects signaling strategies and competitive abilities in evolving populations of simulated robots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 864-868.	3.3	35
80	Asexual reproduction in introduced and native populations of the ant <i>Eciton burchardi</i> . <i>Molecular Ecology</i> , 2012, 21, 5221-5235.	2.0	55
81	Nest distribution varies with dispersal method and familiarity-mediated aggression for two sympatric ants. <i>Animal Behaviour</i> , 2012, 84, 1151-1158.	0.8	14
82	Evolution: Sociality as a Driver of Unorthodox Reproduction. <i>Current Biology</i> , 2012, 22, R525-R527.	1.8	19
83	Little effect of seasonal constraints on population genetic structure in eusocial paper wasps. <i>Ecology and Evolution</i> , 2012, 2, 2615-2624.	0.8	11
84	Transcriptome analysis of intraspecific competition in <i>Arabidopsis thaliana</i> reveals organ-specific signatures related to nutrient acquisition and general stress response pathways. <i>BMC Plant Biology</i> , 2012, 12, 227.	1.6	33
85	Neural Networks as Mechanisms to Regulate Division of Labor. <i>American Naturalist</i> , 2012, 179, 391-400.	1.0	20
86	Evolution of self-organized division of labor in a response threshold model. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 947-957.	0.6	53
87	Disruption of gene expression in hybrids of the fire ants <i>Solenopsis invicta</i> and <i>Solenopsis richteri</i> . <i>Molecular Ecology</i> , 2012, 21, 2488-2501.	2.0	6
88	Variation in the level of aggression, chemical and genetic distance among three supercolonies of the Argentine ant in Europe. <i>Molecular Ecology</i> , 2012, 21, 4106-4121.	2.0	26
89	An Evolutionary Perspective on Self-Organized Division of Labor in Social Insects. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2011, 42, 91-110.	3.8	156
90	Relaxed selection is a precursor to the evolution of phenotypic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15936-15941.	3.3	148

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91	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 August 2010 â€“ 30 September 2010. <i>Molecular Ecology Resources</i> , 2011, 11, 219-222.	2.2	48
92	GENETIC COMPONENTS TO CASTE ALLOCATION IN A MULTIPLE-QUEEN ANT SPECIES. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 2907-2915.	1.1	27
93	Only full-sibling families evolved eusociality. <i>Nature</i> , 2011, 471, E4-E5.	13.7	74
94	Venom Alkaloid and Cuticular Hydrocarbon Profiles Are Associated with Social Organization, Queen Fertility Status, and Queen Genotype in the Fire Ant <i>Solenopsis invicta</i> . <i>Journal of Chemical Ecology</i> , 2011, 37, 1242-1254.	0.9	43
95	Inbreeding and selection on sex ratio in the bark beetle <i>Xylosandrus germanus</i> . <i>BMC Evolutionary Biology</i> , 2011, 11, 359.	3.2	27
96	Relatedness influences signal reliability in evolving robots. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 378-383.	1.2	37
97	Sib mating without inbreeding in the longhorn crazy ant. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2677-2681.	1.2	78
98	Between-Year Variation in Population Sex Ratio Increases with Complexity of the Breeding System in Hymenoptera. <i>American Naturalist</i> , 2011, 177, 835-846.	1.0	4
99	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, 5679-5684.	3.3	322
100	A Quantitative Test of Hamilton's Rule for the Evolution of Altruism. <i>PLoS Biology</i> , 2011, 9, e1000615.	2.6	64
101	Visualization and quality assessment of de novo genome assemblies. <i>Bioinformatics</i> , 2011, 27, 3425-3426.	1.8	9
102	Evolution of Gene Expression in Fire Ants: The Effects of Developmental Stage, Caste, and Species. <i>Molecular Biology and Evolution</i> , 2011, 28, 1381-1392.	3.5	81
103	Task-dependent influence of genetic architecture and mating frequency on division of labour in social insect societies. <i>Behavioral Ecology and Sociobiology</i> , 2010, 64, 675-684.	0.6	18
104	Extreme population differentiation in a vulnerable slavemaking ant with a fragmented distribution. <i>Conservation Genetics</i> , 2010, 11, 1701-1710.	0.8	12
105	Parasitoid Wasps: From Natural History to Genomic Studies. <i>Current Biology</i> , 2010, 20, R242-R244.	1.8	5
106	Genetics: Biased Transmission of Genomes According to Parents of Origin. <i>Current Biology</i> , 2010, 20, R601-R602.	1.8	2
107	Social Evolution: War of the Worms. <i>Current Biology</i> , 2010, 20, R985-R987.	1.8	6
108	Competitive ability not kinship affects growth of <i>Arabidopsis thaliana</i> accessions. <i>New Phytologist</i> , 2010, 185, 322-331.	3.5	61

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109	The worldwide expansion of the Argentine ant. Diversity and Distributions, 2010, 16, 170-186.	1.9	82
110	Changes in reproductive roles are associated with changes in gene expression in fire ant queens. Molecular Ecology, 2010, 19, 1200-1211.	2.0	35
111	Comparative Genomics Suggests that the Fungal Pathogen Pneumocystis Is an Obligate Parasite Scavenging Amino Acids from Its Host's Lungs. PLoS ONE, 2010, 5, e15152.	1.1	49
112	Identification of a pheromone regulating caste differentiation in termites. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12963-12968.	3.3	177
113	Evolution of Adaptive Behaviour in Robots by Means of Darwinian Selection. PLoS Biology, 2010, 8, e1000292.	2.6	111
114	Nature versus nurture in social insect caste differentiation. Trends in Ecology and Evolution, 2010, 25, 275-282.	4.2	241
115	Chromosome Size Differences May Affect Meiosis and Genome Size. Science, 2010, 329, 293-293.	6.0	35
116	Evolutionary Conditions for the Emergence of Communication. , 2010, , 123-134.		3
117	The evolution of information suppression in communicating robots with conflicting interests. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15786-15790.	3.3	60
118	Adaptation and the genetics of social behaviour. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 3209-3216.	1.8	36
119	Patterns of split sex ratio in ants have multiple evolutionary causes based on different within-colony conflicts. Biology Letters, 2009, 5, 713-716.	1.0	21
120	Polymorphic social organization in an ant. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 4423-4431.	1.2	20
121	Genetic clusters and sex-biased gene flow in a unicolonial Formica ant. BMC Evolutionary Biology, 2009, 9, 69.	3.2	40
122	Fourmidable: a database for ant genomics. BMC Genomics, 2009, 10, 5.	1.2	38
123	Genetic Team Composition and Level of Selection in the Evolution of Cooperation. IEEE Transactions on Evolutionary Computation, 2009, 13, 648-660.	7.5	94
124	DYNAMICS AND GENETIC STRUCTURE OF ARGENTINE ANT SUPERCOLONIES IN THEIR NATIVE RANGE. Evolution; International Journal of Organic Evolution, 2009, 63, 1627-1639.	1.1	51
125	Fitness and the level of homozygosity in a social insect. Journal of Evolutionary Biology, 2009, 22, 134-142.	0.8	37
126	Methods for Artificial Evolution of Truly Cooperative Robots. Lecture Notes in Computer Science, 2009, , 768-772.	1.0	0



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127	Breeding system and reproductive skew in a highly polygynous ant population. <i>Insectes Sociaux</i> , 2008, 55, 347-354.	0.7	2
128	Stay or drift? Queen acceptance in the ant <i>Formica paralugubris</i> . <i>Insectes Sociaux</i> , 2008, 55, 392-396.	0.7	12
129	Foreign ant queens are accepted but produce fewer offspring. <i>Oecologia</i> , 2008, 157, 717-723.	0.9	11
130	MECHANISMS OF REPRODUCTIVE ISOLATION BETWEEN AN ANT SPECIES OF HYBRID ORIGIN AND ONE OF ITS PARENTS. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 1635-1643.	1.1	21
131	Reproductive parameters vary with social and ecological factors in the polygynous ant <i>Formica exsecta</i> . <i>Oikos</i> , 2008, 117, 580-590.	1.2	11
132	Social Evolution: Reincarnation, Free-Riding and Inexplicable Modes of Reproduction. <i>Current Biology</i> , 2008, 18, R206-R207.	1.8	6
133	Maternal Effect on Female Caste Determination in a Social Insect. <i>Current Biology</i> , 2008, 18, 265-269.	1.8	85
134	Mating system and <i>avpr1a</i> promoter variation in primates. <i>Biology Letters</i> , 2008, 4, 375-378.	1.0	34
135	Pleiotropy in the melanocortin system, coloration and behavioural syndromes. <i>Trends in Ecology and Evolution</i> , 2008, 23, 502-510.	4.2	673
136	Genome-Wide Expression Patterns and the Genetic Architecture of a Fundamental Social Trait. <i>PLoS Genetics</i> , 2008, 4, e1000127.	1.5	64
137	Genetic Compatibility Affects Queen and Worker Caste Determination. <i>Science</i> , 2008, 322, 552-552.	6.0	50
138	Population viscosity can promote the evolution of altruistic sterile helpers and eusociality. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 1887-1895.	1.2	35
139	Evolution of Altruistic Robots. , 2008, , 232-248.		6
140	Reproductive specialization in multiple-queen colonies of the ant <i>Formica exsecta</i> . <i>Behavioral Ecology</i> , 2007, 18, 375-383.	1.0	17
141	Group selection and kin selection: Two concepts but one process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6736-6739.	3.3	266
142	Uncovering the Biodiversity of Genetic and Reproductive Systems: Time for a More Open Approach. <i>American Naturalist</i> , 2007, 169, 1-8.	1.0	95
143	Human cooperation in social dilemmas: comparing the Snowdrift game with the Prisoner's Dilemma. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2965-2970.	1.2	86
144	An annotated cDNA library and microarray for large-scale gene-expression studies in the ant <i>Solenopsis invicta</i> . <i>Genome Biology</i> , 2007, 8, R9.	13.9	47

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145	Strong Reciprocity or Strong Ferocity? A Population Genetic View of the Evolution of Altruistic Punishment. <i>American Naturalist</i> , 2007, 170, 21-36.	1.0	95
146	Genetic variation and structure in native populations of the fire ant <i>Solenopsis invicta</i> : evolutionary and demographic implications. <i>Biological Journal of the Linnean Society</i> , 2007, 92, 541-560.	0.7	36
147	The evolution of helping and harming on graphs: the return of the inclusive fitness effect. <i>Journal of Evolutionary Biology</i> , 2007, 20, 2284-2295.	0.8	94
148	Differential gene expression between adult queens and workers in the ant <i>Lasius niger</i> . <i>Molecular Ecology</i> , 2007, 16, 675-683.	2.0	73
149	Two alternate mechanisms contribute to the persistence of interdependent lineages in <i>Pogonomyrmex</i> harvester ants. <i>Molecular Ecology</i> , 2007, 16, 3533-3543.	2.0	27
150	Contrasting population genetic structure for workers and queens in the putatively unicolonial ant <i>Formica exsecta</i> . <i>Molecular Ecology</i> , 2007, 16, 4493-4503.	2.0	20
151	Short telomeres in short-lived males: what are the molecular and evolutionary causes?. <i>Aging Cell</i> , 2007, 6, 225-233.	3.0	84
152	Behavioral Genomics: A, Bee, C, G, T. <i>Current Biology</i> , 2007, 17, R51-R53.	1.8	5
153	Evolutionary Conditions for the Emergence of Communication in Robots. <i>Current Biology</i> , 2007, 17, 514-519.	1.8	184
154	Aging: A Young Mind in Old Bees. <i>Current Biology</i> , 2007, 17, R294-R295.	1.8	3
155	Extreme reproductive specialization within ant colonies: some queens produce males whereas others produce workers. <i>Animal Behaviour</i> , 2007, 74, 1535-1543.	0.8	13
156	Comparative morphology of cephalic exocrine glands among castes of the black ant <i>Lasius niger</i> . <i>Arthropod Structure and Development</i> , 2007, 36, 135-141.	0.8	20
157	Differential gene expression between adult queens and workers in the ant <i>Lasius niger</i> . <i>Molecular Ecology</i> , 2007, .	2.0	0
158	The predation cost of being a male: implications for sex-specific rates of ageing. <i>Oikos</i> , 2006, 114, 381-384.	1.2	48
159	Communication in bacteria: an ecological and evolutionary perspective. <i>Nature Reviews Microbiology</i> , 2006, 4, 249-258.	13.6	679
160	REPRODUCTIVE ISOLATION BETWEEN <i>POGONOMYRMEX RUGOSUS</i> AND TWO LINEAGES WITH GENETIC CASTE DETERMINATION. <i>Ecology</i> , 2006, 87, 2160-2170.	1.5	25
161	NATIVE SUPERCOLONIES OF UNRELATED INDIVIDUALS IN THE INVASIVE ARGENTINE ANT. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 782-791.	1.1	118
162	Genetic caste determination in <i>Pogonomyrmex</i> harvester ants imposes costs during colony founding. <i>Journal of Evolutionary Biology</i> , 2006, 19, 402-409.	0.8	40

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163	The evolution of cooperation and altruism – a general framework and a classification of models. <i>Journal of Evolutionary Biology</i> , 2006, 19, 1365-1376.	0.8	672
164	Unicoloniality, recognition and genetic differentiation in a native <i>Formica</i> ant. <i>Journal of Evolutionary Biology</i> , 2006, 19, 2031-2039.	0.8	63
165	Synergy, partner choice and frequency dependence: their integration into inclusive fitness theory and their interpretation in terms of direct and indirect fitness effects. <i>Journal of Evolutionary Biology</i> , 2006, 19, 1426-1436.	0.8	26
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311	Alternative reproductive strategies in <i>Formica lugubris</i> Zett. (Hymenoptera Formicidae). <i>Ethology Ecology and Evolution</i> , 1991, 3, 60-66.	0.6	12
312	Queen number, mode of colony founding, and queen reproductive success in ants (Hymenoptera) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	0.6	110
313	Fecundity of ant queens in relation to their age and the mode of colony founding. <i>Insectes Sociaux</i> , 1990, 37, 116-130.	0.7	41
314	Loss of mating flight and shift in the pattern of carbohydrate storage in sexuals of ants (Hymenoptera; Formicidae). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1990, 160, 207-211.	0.7	58
315	Carbohydrates as Energy Source during the Flight of Sexuals of the Ant <i>Formica lugubris</i> (Hymenoptera: Formicidae). <i>Entomologia Generalis</i> , 1990, 15, 25-32.	1.1	20
316	Queen execution in the Argentine ant, <i>Iridomyrmex humilis</i> . <i>Physiological Entomology</i> , 1989, 14, 157-163.	0.6	91
317	Description of a new artificial diet for rearing ant colonies as <i>Iridomyrmex humilis</i> , <i>Monomorium pharaonis</i> and <i>Wasmannia auropunctata</i> (Hymenoptera; Formicidae). <i>Insectes Sociaux</i> , 1989, 36, 348-352.	0.7	34
318	Size and fat content of gynes in relation to the mode of colony founding in ants (Hymenoptera;) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3</i>	0.9	202
319	Influence of the number of queens on nestmate recognition and attractiveness of queens to workers in the Argentine ant, <i>Iridomyrmex humilis</i> (Mayr). <i>Animal Behaviour</i> , 1989, 37, 733-740.	0.8	75
320	Control of brood male production in the Argentine ant <i>Iridomyrmex humilis</i> (Mayr). <i>Insectes Sociaux</i> , 1988, 35, 19-33.	0.7	43
321	Evolutionary implications of polygyny in the Argentine ant, <i>Iridomyrmex humilis</i> (Mayr) (Hymenoptera:) <i>Tj ETQq1 1 0,784314 rgBT /Over</i>	0.8	89
322	Energy Investment in Gynes of the Argentine Ant <i>Iridomyrmex humilis</i> (Mayr) in Relation to the Mode of Colony Founding in Ants (Hymenoptera:Formicidae). <i>International Journal of Invertebrate Reproduction and Development</i> , 1988, 13, 31-38.	0.8	18
323	Queen Replacement in Dequeened Colonies of the Argentine Ant <i>Iridomyrmex Humilis</i> (Mayr). <i>Psyche: Journal of Entomology</i> , 1988, 95, 59-65.	0.4	28
324	Profile: From behavioural observations, to genes, to evolution. , 0, , 181-184.		0

#	ARTICLE	IF	CITATIONS
325	Isolation and characterization of novel microsatellite markers for a globally distributed invasive ant <i>Paratrechina longicornis</i> (Hymenoptera: Formicidae). <i>European Journal of Entomology</i> , 0, 116, 253-257.	1.2	6