

Laurent Keller

List of Publications by Year in descending order

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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	Communication in bacteria: an ecological and evolutionary perspective. <i>Nature Reviews Microbiology</i> , 2006, 4, 249-258.	13.6	679
2	Pleiotropy in the melanocortin system, coloration and behavioural syndromes. <i>Trends in Ecology and Evolution</i> , 2008, 23, 502-510.	4.2	673
3	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
4	Extraordinary lifespans in ants: a test of evolutionary theories of ageing. <i>Nature</i> , 1997, 389, 958-960.	13.7	511
5	Partitioning of reproduction in animal societies. <i>Trends in Ecology and Evolution</i> , 1994, 9, 98-102.	4.2	478
6	The role of queen pheromones in social insects: queen control or queen signal?. <i>Animal Behaviour</i> , 1993, 45, 787-794.	0.8	455
7	Evolution of supercolonies: The Argentine ants of southern Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6075-6079.	3.3	374
8	Selfish genes: a green beard in the red fire ant. <i>Nature</i> , 1998, 394, 573-575.	13.7	353
9	A Y-like social chromosome causes alternative colony organization in fire ants. <i>Nature</i> , 2013, 493, 664-668.	13.7	347
10	Reproductive sharing in animal societies: reproductive incentives or incomplete control by dominant breeders?. <i>Behavioral Ecology</i> , 1998, 9, 267-278.	1.0	339
11	Why Do Females Mate with Multiple Males? The Sexually Selected Sperm Hypothesis. <i>Advances in the Study of Behavior</i> , 1995, , 291-315.	1.0	338
12	Tracking Individuals Shows Spatial Fidelity Is a Key Regulator of Ant Social Organization. <i>Science</i> , 2013, 340, 1090-1093.	6.0	335
13	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
14	Supergenes and Complex Phenotypes. <i>Current Biology</i> , 2014, 24, R288-R294.	1.8	307
15	Ant-like task allocation and recruitment in cooperative robots. <i>Nature</i> , 2000, 406, 992-995.	13.7	302
16	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
17	Cryptic species of fig-pollinating wasps: Implications for the evolution of the fig-wasp mutualism, sex allocation, and precision of adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5867-5872.	3.3	262
18	Conditional Manipulation of Sex Ratios by Ant Workers: A Test of Kin Selection Theory. <i>Science</i> , 1996, 274, 993-995.	6.0	252

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19	Clonal reproduction by males and females in the little fire ant. <i>Nature</i> , 2005, 435, 1230-1234.	13.7	247
20	TESTS OF REPRODUCTIVE-SKEW MODELS IN SOCIAL INSECTS. <i>Annual Review of Entomology</i> , 2001, 46, 347-385.	5.7	242
21	Nature versus nurture in social insect caste differentiation. <i>Trends in Ecology and Evolution</i> , 2010, 25, 275-282.	4.2	241
22	Social life: the paradox of multiple-queen colonies. <i>Trends in Ecology and Evolution</i> , 1995, 10, 355-360.	4.2	237
23	How Males Can Gain by Harming Their Mates: Sexual Conflict, Seminal Toxins, and the Cost of Mating. <i>American Naturalist</i> , 2000, 156, 368-377.	1.0	221
24	Indiscriminate altruism: unduly nice parents and siblings. <i>Trends in Ecology and Evolution</i> , 1997, 12, 99-103.	4.2	211
25	Queen lifespan and colony characteristics in ants and termites. <i>Insectes Sociaux</i> , 1998, 45, 235-246.	0.7	205
26	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
27	Size and fat content of gynes in relation to the mode of colony founding in ants (Hymenoptera); Tj ETQq1 1 0.784314 rgBT / Overlock 0.9 202		
28	Social network plasticity decreases disease transmission in a eusocial insect. <i>Science</i> , 2018, 362, 941-945.	6.0	202
29	Evolutionary Conditions for the Emergence of Communication in Robots. <i>Current Biology</i> , 2007, 17, 514-519.	1.8	184
30	Identification of a pheromone regulating caste differentiation in termites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12963-12968.	3.3	177
31	Increased soldier production in ant colonies exposed to intraspecific competition. <i>Nature</i> , 1996, 379, 630-631.	13.7	168
32	Genetic control of social organization in an ant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 14232-14237.	3.3	166
33	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
34	Conditional Use of Sex and Parthenogenesis for Worker and Queen Production in Ants. <i>Science</i> , 2004, 306, 1780-1783.	6.0	153
35	Partitioning of Reproduction in Mother-Daughter Versus Sibling Associations: A Test of Optimal Skew Theory. <i>American Naturalist</i> , 1995, 145, 119-132.	1.0	152
36	Phenotypic plasticity and ?cultural transmission? of alternative social organizations in the fire ant <i>Solenopsis invicta</i> . <i>Behavioral Ecology and Sociobiology</i> , 1993, 33, 121.	0.6	151

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37	Relaxed selection is a precursor to the evolution of phenotypic plasticity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15936-15941.	3.3	148
38	Complex hybrid origin of genetic caste determination in harvester ants. Nature, 2003, 424, 306-309.	13.7	147
39	Patterns of Positive Selection in Seven Ant Genomes. Molecular Biology and Evolution, 2014, 31, 1661-1685.	3.5	138
40	Social evolution in a new environment: the case of introduced fire ants.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 3021-3025.	3.3	136
41	Conflict over Male Parentage in Social Insects. PLoS Biology, 2004, 2, e248.	2.6	136
42	Robust DNA Methylation in the Clonal Raider Ant Brain. Current Biology, 2016, 26, 391-395.	1.8	133
43	Alternative reproductive strategies: a queen perspective in ants. Trends in Ecology and Evolution, 2000, 15, 508-512.	4.2	122
44	Low number of fixed somatic mutations in a long-lived oak tree. Nature Plants, 2017, 3, 926-929.	4.7	120
45	NATIVE SUPERCOLONIES OF UNRELATED INDIVIDUALS IN THE INVASIVE ARGENTINE ANT. Evolution; International Journal of Organic Evolution, 2006, 60, 782-791.	1.1	118
46	Wolbachia infections in native and introduced populations of fire ants (Solenopsis spp.). Insect Molecular Biology, 2000, 9, 661-673.	1.0	113
47	Decreased expression of Cu-Zn superoxide dismutase 1 in ants with extreme lifespan. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3486-3489.	3.3	113
48	Recent human history governs global ant invasion dynamics. Nature Ecology and Evolution, 2017, 1, 0184.	3.4	112
49	Hierarchical Analysis of Genetic Structure in Native Fire Ant Populations: Results From Three Classes of Molecular Markers. Genetics, 1997, 147, 643-655.	1.2	112
50	MICROSATELLITES REVEAL HIGH POPULATION VISCOSITY AND LIMITED DISPERSAL IN THE ANT <i>FORMICA PARALUGUBRIS</i> . Evolution; International Journal of Organic Evolution, 1997, 51, 475-482.	1.1	111
51	Evolution of Adaptive Behaviour in Robots by Means of Darwinian Selection. PLoS Biology, 2010, 8, e1000292.	2.6	111
52	Queen number, mode of colony founding, and queen reproductive success in ants (Hymenoptera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	110
53	Interplay between insulin signaling, juvenile hormone, and vitellogenin regulates maternal effects on polyphenism in ants. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11050-11055.	3.3	110
54	GENETIC VARIABILITY, QUEEN NUMBER, AND POLYANDRY IN SOCIAL HYMENOPTERA. Evolution; International Journal of Organic Evolution, 1994, 48, 694-704.	1.1	109

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55	Testing kin selection with sex allocation data in eusocial Hymenoptera. <i>Heredity</i> , 1999, 82, 473-478.	1.2	109
56	Bridgehead Effects and Role of Adaptive Evolution in Invasive Populations. <i>Trends in Ecology and Evolution</i> , 2018, 33, 527-534.	4.2	105
57	Social insects as a model to study the molecular basis of ageing. <i>Experimental Gerontology</i> , 2006, 41, 553-556.	1.2	103
58	Queen Control of Sex Ratio in Fire Ants. <i>Science</i> , 2001, 293, 1308-1310.	6.0	102
59	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
60	Oral transfer of chemical cues, growth proteins and hormones in social insects. <i>ELife</i> , 2016, 5, .	2.8	100
61	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
62	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
63	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
64	Genetic Team Composition and Level of Selection in the Evolution of Cooperation. <i>IEEE Transactions on Evolutionary Computation</i> , 2009, 13, 648-660.	7.5	94
65	Sex Ratio Conflict and Worker Production in Eusocial Hymenoptera. <i>American Naturalist</i> , 2001, 158, 166-177.	1.0	92
66	Tug-of-war over reproduction in a social bee. <i>Nature</i> , 2004, 428, 844-847.	13.7	92
67	Queen execution in the Argentine ant, <i>Iridomyrmex humilis</i> . <i>Physiological Entomology</i> , 1989, 14, 157-163.	0.6	91
68	Incest avoidance, fluctuating asymmetry, and the consequences of inbreeding in <i>Iridomyrmex humilis</i> , an ant with multiple queen colonies. <i>Behavioral Ecology and Sociobiology</i> , 1993, 33, 191-199.	0.6	90
69	Evolutionary implications of polygyny in the Argentine ant, <i>Iridomyrmex humilis</i> (Mayr) (Hymenoptera: Formicidae). <i>Evolutionary Ecology</i> , 2008, 22, 89-99.	0.8	89
70	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
71	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
72	INBREEDING AND SEX-BIASED GENE FLOW IN THE ANT <i>FORMICA EXSECTA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1552-1561.	1.1	87

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73	High Levels of Multiple Wolbachia Infection and Recombination in the Ant <i>Formica exsecta</i> . <i>Molecular Biology and Evolution</i> , 2003, 20, 748-753.	3.5	87
74	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
75	Maternal Effect on Female Caste Determination in a Social Insect. <i>Current Biology</i> , 2008, 18, 265-269.	1.8	85
76	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
77	Short telomeres in short-lived males: what are the molecular and evolutionary causes?. <i>Aging Cell</i> , 2007, 6, 225-233.	3.0	84
78	Evolution under monogamy feminizes gene expression in <i>Drosophila melanogaster</i> . <i>Nature Communications</i> , 2014, 5, 3482.	5.8	83
79	Queen-worker conflict over sex ratio: A comparison of primary and secondary sex ratios in the Argentine ant, <i>Iridomyrmex humilis</i> . <i>Journal of Evolutionary Biology</i> , 1994, 7, 403-418.	0.8	82
80	Sex ratio regulation: the economics of fratricide in ants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 1255-1260.	1.2	82
81	The worldwide expansion of the Argentine ant. <i>Diversity and Distributions</i> , 2010, 16, 170-186.	1.9	82
82	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
83	Phylogenomics Controlling for Base Compositional Bias Reveals a Single Origin of Eusociality in Corbiculate Bees. <i>Molecular Biology and Evolution</i> , 2016, 33, 670-678.	3.5	80
84	Female polyandry affects their sons' reproductive success in the red flour beetle <i>Tribolium castaneum</i> . <i>Journal of Evolutionary Biology</i> , 2001, 14, 186-193.	0.8	79
85	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
86	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
87	Only full-sibling families evolved eusociality. <i>Nature</i> , 2011, 471, E4-E5.	13.7	74
88	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
89	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
90	Using robots to understand social behaviour. <i>Biological Reviews</i> , 2013, 88, 31-39.	4.7	71

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91	Reproductive Bribing And Policing As Evolutionary Mechanisms For The Suppression Of Within-Group Selfishness. <i>American Naturalist</i> , 1997, 150, S42-S58.	1.0	70
92	Division of labour influences the rate of ageing in weaver ant workers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 909-913.	1.2	70
93	Queen control of egg fertilization in the honey bee. <i>Behavioral Ecology and Sociobiology</i> , 1998, 44, 57-61.	0.6	67
94	Cooperation among Selfish Individuals in Insect Societies. <i>BioScience</i> , 1999, 49, 899-909.	2.2	67
95	Loss of Wolbachia infection during colonisation in the invasive Argentine ant <i>Linepithema humile</i> . <i>Heredity</i> , 2005, 94, 364-369.	1.2	67
96	Joint Influence of Gene Flow and Selection on a Reproductively Important Genetic Polymorphism in the Fire Ant <i>Solenopsis invicta</i> . <i>American Naturalist</i> , 1995, 146, 325-348.	1.0	66
97	Colony sex ratios vary with queen number but not relatedness asymmetry in the ant <i>Formica exsecta</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 1751-1757.	1.2	66
98	RESTRICTED EFFECTIVE QUEEN DISPERSAL AT A MICROGEOGRAPHIC SCALE IN POLYGYNOUS POPULATIONS OF THE ANT <i>FORMICA EXSECTA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 2484-2492.	1.1	66
99	Extended family structure in the ant <i>Formica paralugubris</i> : the role of the breeding system. <i>Behavioral Ecology and Sociobiology</i> , 1999, 46, 405-412.	0.6	65
100	Division of labour and colony efficiency in social insects: effects of interactions between genetic architecture, colony kin structure and rate of perturbations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1815-1823.	1.2	65
101	Genome-Wide Expression Patterns and the Genetic Architecture of a Fundamental Social Trait. <i>PLoS Genetics</i> , 2008, 4, e1000127.	1.5	64
102	A Quantitative Test of Hamilton's Rule for the Evolution of Altruism. <i>PLoS Biology</i> , 2011, 9, e1000615.	2.6	64
103	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
104	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
105	Long live the queen: studying aging in social insects. <i>Age</i> , 2005, 27, 241-248.	3.0	62
106	Evolution of a supergene that regulates a trans-species social polymorphism. <i>Nature Ecology and Evolution</i> , 2020, 4, 240-249.	3.4	62
107	Frequency and origin of triploidy in the fire ant <i>Solenopsis invicta</i> . <i>Heredity</i> , 1999, 82, 142-150.	1.2	61
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	Experimental conversion of colony social organization by manipulation of worker genotype composition in fire ants (<i>Solenopsis invicta</i>). <i>Behavioral Ecology and Sociobiology</i> , 2002, 51, 287-295.	0.6	60
110	The evolution of information suppression in communicating robots with conflicting interests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15786-15790.	3.3	60
111	Mating system, optimal number of matings, and sperm transfer in the Argentine ant <i>Iridomyrmex humilis</i> . <i>Behavioral Ecology and Sociobiology</i> , 1992, 31, 359.	0.6	59
112	Internest sex-ratio variation and male brood survival in the ant <i>Pheidole pallidula</i> . <i>Behavioral Ecology</i> , 1996, 7, 292-298.	1.0	59
113	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
114	Role of resource availability on sex, caste and reproductive allocation ratios in the Argentine ant <i>Linepithema humile</i> . <i>Journal of Animal Ecology</i> , 2001, 70, 831-839.	1.3	58
115	Inbreeding and population structure in two pairs of cryptic fig wasp species. <i>Molecular Ecology</i> , 2004, 13, 1613-1623.	2.0	58
116	The co-€evolution of longevity and social life. <i>Functional Ecology</i> , 2020, 34, 76-87.	1.7	58
117	Microsatellites Reveal High Population Viscosity and Limited Dispersal in the Ant <i>Formica paralugubris</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 475.	1.1	57
118	Loss of Phenotypic Plasticity Generates Genotype-Caste Association in Harvester Ants. <i>Current Biology</i> , 2004, 14, 2277-2282.	1.8	57
119	Genetic Variability, Queen Number, and Polyandry in Social Hymenoptera. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 694.	1.1	56
120	Reproductive skew: disentangling concessions from control. <i>Trends in Ecology and Evolution</i> , 1998, 13, 458-459.	4.2	56
121	Asexual reproduction in introduced and native populations of the ant <i>Crematogaster opaciceps</i> . <i>Molecular Ecology</i> , 2012, 21, 5221-5235.	2.0	55
122	Evolutionary Stability of Jointly Evolving Traits in Subdivided Populations. <i>American Naturalist</i> , 2016, 188, 175-195.	1.0	55
123	Effect of inbreeding and heritability of sperm competition success in the bulb mite <i>Rhizoglyphus robini</i> . <i>Heredity</i> , 2005, 94, 577-581.	1.2	54
124	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
125	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
126	Major gene effects on phenotype and fitness: the relative roles of Pgm-3 and Gp-9 in introduced populations of the fire ant <i>Solenopsis invicta</i> . <i>Journal of Evolutionary Biology</i> , 1999, 12, 672-680.	0.8	52

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127	The Assessment of Reproductive Success of Queens in Ants and Other Social Insects. <i>Oikos</i> , 1993, 67, 177.	1.2	51
128	DYNAMICS AND GENETIC STRUCTURE OF ARGENTINE ANT SUPERCOLONIES IN THEIR NATIVE RANGE. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 1627-1639.	1.1	51
129	Genetic Compatibility Affects Queen and Worker Caste Determination. <i>Science</i> , 2008, 322, 552-552.	6.0	50
130	Mating frequency and genetic structure of the Argentine ant <i>Linepithema humile</i> . <i>Molecular Ecology</i> , 2000, 9, 119-126.	2.0	49
131	Comparative Genomics Suggests that the Fungal Pathogen <i>Pneumocystis</i> Is an Obligate Parasite Scavenging Amino Acids from Its Host's Lungs. <i>PLoS ONE</i> , 2010, 5, e15152.	1.1	49
132	Social isolation causes mortality by disrupting energy homeostasis in ants. <i>Behavioral Ecology and Sociobiology</i> , 2015, 69, 583-591.	0.6	49
133	Coevolution of Genome Architecture and Social Behavior. <i>Trends in Ecology and Evolution</i> , 2019, 34, 844-855.	4.2	49
134	Low polymorphism at 19 microsatellite loci in a French population of Argentine ants (<i>Linepithema</i>)	2.0	48
135	Multilevel genetic analyses of two European supercolonies of the Argentine ant, <i>Linepithema humile</i> . <i>Molecular Ecology</i> , 2005, 14, 589-598.	2.0	48
136	What are the effects of maternal and pre-adult environments on ageing in humans, and are there lessons from animal models?. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 431-438.	2.2	48
137	The predation cost of being a male: implications for sex-specific rates of ageing. <i>Oikos</i> , 2006, 114, 381-384.	1.2	48
138	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 August 2010 – 30 September 2010. <i>Molecular Ecology Resources</i> , 2011, 11, 219-222.	2.2	48
139	Ant genomics sheds light on the molecular regulation of social organization. <i>Genome Biology</i> , 2013, 14, 212.	13.9	48
140	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
141	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
142	Molecular and social regulation of worker division of labour in fire ants. <i>Molecular Ecology</i> , 2014, 23, 660-672.	2.0	46
143	Sham nepotism as a result of intrinsic differences in brood viability in ants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2049-2052.	1.2	45
144	Relatedness Asymmetry and Reproductive Sharing in Animal Societies. <i>American Naturalist</i> , 1996, 148, 764-769.	1.0	45

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145	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
146	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
147	Genetics and Evolution of Social Behavior in Insects. <i>Annual Review of Genetics</i> , 2017, 51, 219-239.	3.2	43
148	The relationship between multiple mating by queens, within-colony genetic variability and fitness in the ant <i>Lasius niger</i> . <i>Journal of Evolutionary Biology</i> , 2003, 16, 844-853.	0.8	42
149	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
150	Distribution and Prevalence of <i>Wolbachia</i> Infections in Native Populations of the Fire Ant <i>Solenopsis invicta</i> (Hymenoptera: Formicidae). <i>Environmental Entomology</i> , 2003, 32, 1329-1336.	0.7	41
151	Characterization and distribution of <i>Pogonomyrmex harvester</i> ant lineages with genetic caste determination. <i>Molecular Ecology</i> , 2006, 16, 367-387.	2.0	41
152	WHY DO SOME SOCIAL INSECT QUEENS MATE WITH SEVERAL MALES? TESTING THE SEX-RATIO MANIPULATION HYPOTHESIS IN <i>LASIUS NIGER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 553-562.	1.1	40
153	Genetic caste determination in <i>Pogonomyrmex harvester</i> ants imposes costs during colony founding. <i>Journal of Evolutionary Biology</i> , 2006, 19, 402-409.	0.8	40
154	Genetic clusters and sex-biased gene flow in a unicolonial <i>Formica</i> ant. <i>BMC Evolutionary Biology</i> , 2009, 9, 69.	3.2	40
155	Distribution of the Two Social Forms of the Fire Ant <i>Solenopsis invicta</i> (Hymenoptera: Formicidae). <i>Evolution</i> , 2003, 96, 810-817.	1.3	39
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157	Fourmidable: a database for ant genomics. <i>BMC Genomics</i> , 2009, 10, 5.	1.2	38
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