

Sperm storage induces an immunity cost in ants

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Phenotypic variation in male and worker encapsulation response in the bumblebee <i>Bombus terrestris</i> . <i>Ecological Entomology</i> , 2006, 31, 591-596.	1.1	21
2	Mating biology of the leaf-cutting ants <i>Atta colombica</i> and <i>A. cephalotes</i> . <i>Journal of Morphology</i> , 2006, 267, 1165-1171.	0.6	42
3	Post-mating disparity between potential and realized immune response in <i>Drosophila melanogaster</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 1211-1217.	1.2	88
4	Phenotypic plasticity of immune defence linked with foraging activity in the ant <i>Cataglyphis velox</i> . <i>Journal of Evolutionary Biology</i> , 2007, 20, 2228-2234.	0.8	39
5	THE EVOLUTION OF MULTIPLE MATING IN ARMY ANTS. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 413-422.	1.1	59
6	REPRODUCTIVE CONFLICTS AFFECT LABOR AND IMMUNE DEFENSE IN THE QUEENLESS ANT <i>DIACAMMA SP.</i> <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 123-134.	1.1	14
7	Social Immunity. <i>Current Biology</i> , 2007, 17, R693-R702.	1.8	804
8	Low queen mating frequency in the seed-harvester ant <i>Pogonomyrmex (Epehebomyrmex) pima</i> : implications for the evolution of polyandry. <i>Behavioral Ecology and Sociobiology</i> , 2007, 62, 229-236.	0.6	9
9	Polyandry in two South American harvester ants. <i>Insectes Sociaux</i> , 2008, 55, 91-97.	0.7	12
10	Sperm reduces female longevity and increases melanization of the spermatheca in the bumblebee <i>Bombus terrestris</i> L. <i>Insectes Sociaux</i> , 2008, 55, 313-319.	0.7	23
11	Seminal fluid enhances sperm viability in the leafcutter ant <i>Atta colombica</i> . <i>Behavioral Ecology and Sociobiology</i> , 2008, 62, 1843-1849.	0.6	72
12	The need for sperm selection may explain why termite colonies have kings and queens, whereas those of ants, wasps and bees have only queens. <i>Theory in Biosciences</i> , 2008, 127, 359-363.	0.6	2
13	Changes in immune effort of male field crickets infested with mobile parasitoid larvae. <i>Journal of Insect Physiology</i> , 2008, 54, 96-104.	0.9	30
14	The effect of mating on immunity can be masked by experimental piercing in female <i>Drosophila melanogaster</i> . <i>Journal of Insect Physiology</i> , 2008, 54, 414-420.	0.9	46
15	Sex-specific differences in immunological costs of multiple mating in <i>Gryllus vocalis</i> field crickets. <i>Behavioral Ecology</i> , 2008, 19, 810-815.	1.0	25
16	Aging and Reproduction in Social Insects – A Mini-Review. <i>Gerontology</i> , 2008, 54, 160-167.	1.4	83
17	Temporal dynamics of ram sperm binding and survival during 48-h coculture with oviducal epithelial cells. <i>Reproduction, Fertility and Development</i> , 2008, 20, 835.	0.1	9
18	Sperm length evolution in the fungus-growing ants. <i>Behavioral Ecology</i> , 2009, 20, 38-45.	1.0	18

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20	Transcriptional profiling of the sperm storage organs of <i>Drosophila melanogaster</i> . <i>Insect Molecular Biology</i> , 2009, 18, 465-475.	1.0	70
21	Mating triggers dynamic immune regulations in wood ant queens. <i>Journal of Evolutionary Biology</i> , 2009, 22, 564-570.	0.8	43
22	Insights into female sperm storage from the spermathecal fluid proteome of the honeybee <i>Apis mellifera</i> . <i>Genome Biology</i> , 2009, 10, R67.	13.9	116
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24	Prudent sperm use by leaf-cutter ant queens. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 3945-3953.	1.2	66
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26	Give a little til it hurts: trade-offs between immunity and male reproductive effort in the decorated cricket, <i>Gryllobates sigillatus</i> . <i>Journal of Evolutionary Biology</i> , 2010, 23, 829-839.	0.8	44
27	Molecular evolutionary analysis of seminal receptacle sperm storage organ genes of <i>Drosophila melanogaster</i> . <i>Journal of Evolutionary Biology</i> , 2010, 23, 1386-1398.	0.8	41
28	Invertebrates: The Inside Story of Post-Insemination, Pre-Fertilization Reproductive Interactions. , 2010, , 216-220.		1
29	Seminal Fluid Mediates Ejaculate Competition in Social Insects. <i>Science</i> , 2010, 327, 1506-1509.	6.0	174
30	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, 609-615.	1.2	32
31	Diploid male production in a leaf-cutting ant. <i>Ecological Entomology</i> , 2010, 35, 175-182.	1.1	20
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33	Worker heterozygosity and immune response in feral and managed honeybees (<i>Apis mellifera</i>). <i>Australian Journal of Zoology</i> , 2011, 59, 73.	0.6	10
34	Male Mating Rate Is Constrained by Seminal Fluid Availability in Bedbugs, <i>Cimex lectularius</i> . <i>PLoS ONE</i> , 2011, 6, e22082.	1.1	62
35	Costs and benefits of polyandry in a placental poeciliid fish <i>Heterandria formosa</i> are in accordance with the parent-offspring conflict theory of placentation. <i>Journal of Evolutionary Biology</i> , 2011, 24, 2600-2610.	0.8	19
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38	Random sperm use and genetic effects on worker caste fate in <i>Atta colombica</i> leaf-cutting ants. <i>Molecular Ecology</i> , 2011, 20, 5092-5102.	2.0	23
39	Proteins within the seminal fluid are crucial to keep sperm viable in the honeybee <i>Apis mellifera</i> . <i>Journal of Insect Physiology</i> , 2011, 57, 409-414.	0.9	86
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45	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.	0.7	20
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47	Effectiveness analysis of resistance and tolerance to infection. <i>Genetics Selection Evolution</i> , 2011, 43, 9.	1.2	13
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52	Female <i>Drosophila melanogaster</i> suffer reduced defense against infection due to seminal fluid components. <i>Journal of Insect Physiology</i> , 2012, 58, 1192-1201.	0.9	87
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54	Multiple mating and offspring quality in <i>Lasius</i> ants. <i>Insectes Sociaux</i> , 2012, 59, 183-191.	0.7	1

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56	Sociogenetic organisation of two desert ants. <i>Insectes Sociaux</i> , 2013, 60, 337-344.	0.7	15
57	Long-Term Survival of High Quality Sperm: Insights into the Sperm Proteome of the Honeybee <i>Apis mellifera</i> . <i>Journal of Proteome Research</i> , 2013, 12, 5180-5188.	1.8	42
58	Tolerating an infection: an indirect benefit of co-founding queen associations in the ant <i>Lasius niger</i> . <i>Die Naturwissenschaften</i> , 2013, 100, 1125-1136.	0.6	29
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60	Beyond promiscuity: mate-choice commitments in social breeding. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120050.	1.8	120
61	Studies on remating behaviour in the <i>Drosophila bipectinata</i> species complex: Intra- and interspecific variations. <i>Behavioural Processes</i> , 2013, 96, 79-87.	0.5	10
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78	Mating with an allopatric male triggers immune response and decreases longevity of ant queens. <i>Molecular Ecology</i> , 2015, 24, 3618-3627.	2.0	14
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80	Ant sperm storage organs do not have phenoloxidase constitutive immune activity. <i>Journal of Insect Physiology</i> , 2015, 78, 9-14.	0.9	19
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86	Sperm storage: distinguishing selective processes and evaluating criteria. <i>Trends in Ecology and Evolution</i> , 2015, 30, 261-272.	4.2	105
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89	Fitness and aging in <i>Cardiocondyla obscurior</i> ant queens. <i>Current Opinion in Insect Science</i> , 2016, 16, 58-63.	2.2	31
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98	Convergent Reversion to Single Mating in a Wasp Social Parasite. <i>American Naturalist</i> , 2017, 189, E138-E151.	1.0	6
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104	Co-founding ant queens prevent disease by performing prophylactic undertaking behaviour. <i>BMC Evolutionary Biology</i> , 2017, 17, 219.	3.2	10
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110	Intra-specific morphological variation of the spermatheca in the simultaneously hermaphroditic land snail <i>Helix aperta</i> . <i>Zoomorphology</i> , 2018, 137, 51-61.	0.4	1
111	Social Immunity: Emergence and Evolution of Colony-Level Disease Protection. <i>Annual Review of Entomology</i> , 2018, 63, 105-123.	5.7	193
112	When do trade-offs occur? The roles of energy constraints and trait flexibility in bushcricket populations. <i>Journal of Evolutionary Biology</i> , 2018, 31, 287-301.	0.8	4
113	<i>Nosema ceranae</i> disease of the honey bee (<i>Apis mellifera</i>). <i>Apidologie</i> , 2018, 49, 131-150.	0.9	73
114	Impact of immune activation on stored sperm viability in ant queens. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20182248.	1.2	10
115	Within-colony genetic diversity differentially affects foraging, nest maintenance, and aggression in two species of harvester ants. <i>Scientific Reports</i> , 2018, 8, 13868.	1.6	11
116	Cryptic Diversity in Colombian Edible Leaf-Cutting Ants (Hymenoptera: Formicidae). <i>Insects</i> , 2018, 9, 191.	1.0	3
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118	Sperm Storage and Delayed Fertilization. , 2018, , 350-355.		1
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122	Genetic Factors Influencing Sperm Competition. <i>Frontiers in Genetics</i> , 2019, 10, 820.	1.1	31
123	Sperm maturation process occurs in the seminal vesicle following sperm transition from testis in honey bee males. <i>Apidologie</i> , 2019, 50, 369-378.	0.9	11
124	Sperm success and immunity. <i>Current Topics in Developmental Biology</i> , 2019, 135, 287-313.	1.0	47
125	Immunity of leaf-cutting ants and its role in host-parasitoid relationships. <i>Journal of Insect Physiology</i> , 2019, 116, 49-56.	0.9	4
126	Intraspecific morphological variation of the sperm storing organ in two hermaphroditic land snail species. <i>Journal of Biological Research</i> , 2019, 26, 1.	2.2	7
127	Exposure of Larvae of the Solitary Bee <i>Osmia bicornis</i> to the Honey Bee Pathogen <i>Nosema ceranae</i> Affects Life History. <i>Insects</i> , 2019, 10, 380.	1.0	19

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129	Putative Drone Copulation Factors Regulating Honey Bee (<i>Apis mellifera</i>) Queen Reproduction and Health: A Review. <i>Insects</i> , 2019, 10, 8.	1.0	28
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132	Reproductive consequences of an extra long-term sperm storage organ. <i>BMC Evolutionary Biology</i> , 2020, 20, 159.	3.2	3
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137	Trade-offs between sperm viability and immune protein expression in honey bee queens (<i>Apis mellifera</i>). <i>Communications Biology</i> , 2021, 4, 48.	2.0	28
139	Immunity and survival response of <i>Atta cephalotes</i> (Hymenoptera: Myrmicinae) workers to <i>Metarhizium anisopliae</i> infection: Potential role of their associated microbiota. <i>PLoS ONE</i> , 2021, 16, e0247545.	1.1	1
140	Immune Defense Strategies of Queens of the Social Parasite Ant <i>Acromyrmex ameliae</i> and Queens of Its Natural Hosts. <i>Neotropical Entomology</i> , 2021, 50, 229-236.	0.5	1
142	Sperm maturation, migration, and localization before and after copulation in black rockfish (<i>Sebastes</i>) Tj ETQq0 0 0,rgBT /Overlock 10 T	0.9	9
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146	Sexual selection in social insects. , 2014, , 261-274.		17
147	An Updated Guide to Study Polyandry in Social Insects. <i>Sociobiology</i> , 2014, 61, 1-8.	0.2	15
148	Assessing Sperm Quality in Stingless Bees. <i>Sociobiology</i> , 2015, 61, .	0.2	8

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149	A mating-induced reproductive gene promotes <i>Anopheles</i> tolerance to <i>Plasmodium falciparum</i> infection. <i>PLoS Pathogens</i> , 2020, 16, e1008908.	2.1	12
150	Sperm viability in the male accessory testes and female spermathecae of the bumblebee <i>Bombus terrestris</i> (Hymenoptera: Apidae). <i>European Journal of Entomology</i> , 2008, 105, 849-854.	1.2	12
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152	Morphology of the Ovary and Spermatheca of the Leafcutter Ant <i>Acromyrmex rugosus</i> Queens (Hymenoptera: Formicidae). <i>Florida Entomologist</i> , 2019, 102, 515.	0.2	1
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