# Michel Chapuisat

List of Publications by Year
in descending order



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|---|---|---|---|
| 97 papers | 4,237 citations | 94269 37 h-index | 123241 61 g-index |
| 104 all docs | 104 docs citations | 104 times ranked | 2801 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effects of social organization and elevation on spatial genetic structure in a montane ant. Ecology and Evolution, 2022, 12, . | 0.8 | 4 |
| 2 | Unbalanced selection: the challenge of maintaining a social polymorphism when a supergene is selfish. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, . | 1.8 | 9 |
| 3 | Convergent evolution of a labile nutritional symbiosis in ants. ISME Journal, 2022, 16, 2114-2122. | 4.4 | 15 |
| 4 | Fine-scale habitat heterogeneity favours the coexistence of supergene-controlled social forms in Formica selysi. Bmc Ecology and Evolution, 2021, 21, 24. | 0.7 | 8 |
| 5 | Disentangling the mechanisms linking dispersal and sociality in supergene-mediated ant social forms. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210118. | 1.2 | 7 |
| 6 | Cooperation by ant queens during colony-founding perpetuates alternative forms of social organization. Behavioral Ecology and Sociobiology, 2021, 75, 165. | 0.6 | 4 |
| 7 | An Ancient and Eroded Social Supergene Is Widespread across Formica Ants. Current Biology, 2020, 30, 304-311.e4. | 1.8 | 57 |
| 8 | Putative determinants of virulence in Melissococcus plutonius, the bacterial agent causing European foulbrood in honey bees. Virulence, 2020, 11, 554-567. | 1.8 | 36 |
| 9 | Maternal effect killing by a supergene controlling ant social organization. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17130-17134. | 3.3 | 23 |
| 10 | Winter is coming: harsh environments limit independent reproduction of cooperative-breeding queens in a socially polymorphic ant. Biology Letters, 2020, 16, 20190730. | 1.0 | 9 |
| 11 | Asymmetric assortative mating and queen polyandry are linked to a supergene controlling ant social organization. Molecular Ecology, 2019, 28, 1428-1438. | 2.0 | 33 |
| 12 | No mate preference associated with the supergene controlling social organization in Alpine silver ants. Journal of Evolutionary Biology, 2019, 32, 742-748. | 0.8 | 7 |
| 13 | Wood ants produce a potent antimicrobial agent by applying formic acid on treeâ€collected resin. Ecology and Evolution, 2017, 7, 2249-2254. | 0.8 | 44 |
| 14 | No evidence for social immunity in co-founding queen associations. Scientific Reports, 2017, 7, 16262. | 1.6 | 12 |
| 15 | Environmental influence on the phenotype of ant workers revealed by common garden experiment. Behavioral Ecology and Sociobiology, 2016, 70, 357-367. | 0.6 | 13 |
| 16 | Ant workers exhibit specialization and memory during raft formation. Die Naturwissenschaften, 2016, 103, 36. | 0.6 | 2 |
| 17 | Ants exhibit asymmetric hybridization in a mosaic hybrid zone. Molecular Ecology, 2016, 25, 4866-4874. | 2.0 | 14 |
| 18 | Low relatedness and frequent inter-nest movements in a eusocial sweat bee. Insectes Sociaux, 2016, 63, 249-256. | 0.7 | 7 |

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|---|---|---|---|
| 19 | The evolution of utility functions and psychological altruism. Studies in History and Philosophy of Science Part C:Studies in History and Philosophy of Biological and Biomedical Sciences, 2016, 56, 24-31. | 0.8 | 11 |
| 20 | No Evidence for Moral Reward and Punishment in an Anonymous Context. PLoS ONE, 2016, 11, e0150388. | 1.1 | 0 |
| 21 | Social structure varies with elevation in an Alpine ant. Molecular Ecology, 2015, 24, 498-507. | 2.0 | 30 |
| 22 | Ant Brood Function as Life Preservers during Floods. PLoS ONE, 2014, 9, e89211. | 1.1 | 8 |
| 23 | Impact of helpers on colony productivity in a primitively eusocial bee. Behavioral Ecology and Sociobiology, 2014, 68, 291-298. | 0.6 | 12 |
| 24 | Immune priming and pathogen resistance in ant queens. Ecology and Evolution, 2014, 4, 1761-1767. | 0.8 | 39 |
| 25 | Smells Like Queen Since the Cretaceous. Science, 2014, 343, 254-255. | 6.0 | 9 |
| 26 | Convergent Genetic Architecture Underlies Social Organization in Ants. Current Biology, 2014, 24, 2728-2732. | 1.8 | 131 |
| 27 | Foster carers influence brood pathogen resistance in ants. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141338. | 1.2 | 5 |
| 28 | Transitions in social complexity along elevational gradients reveal a combined impact of season length and development time on social evolution. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140627. | 1.2 | 47 |
| 29 | Wood ants protect their brood with tree resin. Animal Behaviour, 2014, 93, 157-161. | 0.8 | 17 |
| 30 | Pupal cocoons affect sanitary brood care and limit fungal infections in ant colonies. BMC Evolutionary Biology, 2013, 13, 225. | 3.2 | 39 |
| 31 | Altruism across disciplines: one word, multiple meanings. Biology and Philosophy, 2013, 28, 125-140. | 0.7 | 33 |
| 32 | BIDIRECTIONAL SHIFTS IN COLONY QUEEN NUMBER IN A SOCIALLY POLYMORPHIC ANT POPULATION. Evolution; International Journal of Organic Evolution, 2013, 67, 1169-1180. | 1.1 | 30 |
| 33 | The influence of social structure on brood survival and development in a socially polymorphic ant: insights from a crossâ€fostering experiment. Journal of Evolutionary Biology, 2012, 25, 2288-2297. | 0.8 | 19 |
| 34 | Born to be bee, fed to be worker? The caste system of a primitively eusocial insect. Frontiers in Zoology, 2012, 9, 35. | 0.9 | 36 |
| 35 | Choosy Moral Punishers. PLoS ONE, 2012, 7, e39002. | 1.1 | 6 |
| 36 | Diversity, prevalence and virulence of fungal entomopathogens in colonies of the ant Formica selysi. Insectes Sociaux, 2012, 59, 231-239. | 0.7 | 39 |

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|---|---|---|---|
| 37 | Effects of the social environment on the survival and fungal resistance of ant brood. Behavioral Ecology and Sociobiology, 2012, 66, 467-474. | 0.6 | 14 |
| 38 | No Evidence for Immune Priming in Ants Exposed to a Fungal Pathogen. PLoS ONE, 2012, 7, e35372. | 1.1 | 64 |
| 39 | The expression and impact of antifungal grooming in ants. Journal of Evolutionary Biology, 2011, 24, 954-964. | 0.8 | 119 |
| 40 | Inclusive fitness theory and eusociality. Nature, 2011, 471, E1-E4. | 13.7 | 339 |
| 41 | Queen acceptance in a socially polymorphic ant. Animal Behaviour, 2011, 81, 163-168. | 0.8 | 18 |
| 42 | Reproductive conflicts and egg discrimination in a socially polymorphic ant. Behavioral Ecology and Sociobiology, 2010, 64, 1655-1663. | 0.6 | 17 |
| 43 | Covariation between colony social structure and immune defences of workers in the ant Formica selysi. Insectes Sociaux, 2010, 57, 233-238. | 0.7 | 17 |
| 44 | Flexible colony-founding strategies in a socially polymorphic ant. Animal Behaviour, 2010, 79, 467-472. | 0.8 | 25 |
| 45 | Social Evolution: Sick Ants Face Death Alone. Current Biology, 2010, 20, R104-R105. | 1.8 | 13 |
| 46 | Evolution: Plastic Sociality in a Sweat Bee. Current Biology, 2010, 20, R977-R979. | 1.8 | 10 |
| 47 | Genetic clusters and sex-biased gene flow in a unicolonial Formica ant. BMC Evolutionary Biology, 2009, 9, 69. | 3.2 | 40 |
| 48 | Social Evolution: The Smell of Cheating. Current Biology, 2009, 19, R196-R198. | 1.8 | 3 |
| 49 | Flexible social organization and high incidence of drifting in the sweat bee, Halictus scabiosae. Molecular Ecology, 2009, 18, 1791-1800. | 2.0 | 43 |
| 50 | Mating triggers dynamic immune regulations in wood ant queens. Journal of Evolutionary Biology, 2009, 22, 564-570. | 0.8 | 43 |
| 51 | The determinants of queen size in a socially polymorphic ant. Journal of Evolutionary Biology, 2009, 22, 1906-1913. | 0.8 | 43 |
| 52 | Stay or drift? Queen acceptance in the ant Formica paralugubris. Insectes Sociaux, 2008, 55, 392-396. | 0.7 | 12 |
| 53 | Foreign ant queens are accepted but produce fewer offspring. Oecologia, 2008, 157, 717-723. | 0.9 | 11 |
| 54 | Experimentally increased group diversity improves disease resistance in an ant species. Ecology Letters, 2008, 11, 682-689. | 3.0 | 89 |

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|---|---|---|---|
| 55 | Developmental, metabolic and immunological costs of flea infestation in the common vole. Functional Ecology, 2008, 22, 1091-1098. | 1.7 | 23 |
| 56 | Prophylaxis with resin in wood ants. Animal Behaviour, 2008, 75, 1591-1596. | 0.8 | 67 |
| 57 | Split sex ratios in the social Hymenoptera: a meta-analysis. Behavioral Ecology, 2008, 19, 382-390. | 1.0 | 65 |
| 58 | The presence of conifer resin decreases the use of the immune system in wood ants. Ecological Entomology, 2008, 33, 408-412. | 1.1 | 40 |
| 59 | Wood ants use resin to protect themselves against pathogens. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2013-2017. | 1.2 | 140 |
| 60 | Nestmate recognition and levels of aggression are not altered by changes in genetic diversity in a socially polymorphic ant. Animal Behaviour, 2007, 74, 951-956. | 0.8 | 28 |
| 61 | Alternative life-histories in a socially polymorphic ant. Evolutionary Ecology, 2007, 21, 577-588. | 0.5 | 56 |
| 62 | Unicoloniality, recognition and genetic differentiation in a native Formica ant. Journal of Evolutionary Biology, 2006, 19, 2031-2039. | 0.8 | 63 |
| 63 | Genotyping faeces reveals facultative kin association on capercaillieâ€™s leks. Conservation Genetics, 2006, 7, 665-674. | 0.8 | 26 |
| 64 | Sex Allocation Conflict in Ants: When the Queen Rules. Current Biology, 2006, 16, 328-331. | 1.8 | 55 |
| 65 | Sham nepotism as a result of intrinsic differences in brood viability in ants. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 2049-2052. | 1.2 | 45 |
| 66 | Genetic analysis of the breeding system of an invasive subterranean termite, Reticulitermes santonensis, in urban and natural habitats. Molecular Ecology, 2005, 14, 1311-1320. | 2.0 | 90 |
| 67 | Experimental manipulation of colony genetic diversity had no effect on short-term task efficiency in the Argentine ant Linepithema humile. Behavioral Ecology and Sociobiology, 2005, 58, 87-98. | 0.6 | 19 |
| 68 | Division of labour and worker size polymorphism in ant colonies: the impact of social and genetic factors. Behavioral Ecology and Sociobiology, 2005, 59, 215-221. | 0.6 | 93 |
| 69 | Long live the queen: studying aging in social insects. Age, 2005, 27, 241-248. | 3.0 | 62 |
| 70 | Nestmate recognition in the unicolonial ant Formica paralugubris. Behavioral Ecology, 2005, 16, 15-19. | 1.0 | 49 |
| 71 | VARIABLE QUEEN NUMBER IN ANT COLONIES: NO IMPACT ON QUEEN TURNOVER, INBREEDING, AND POPULATION GENETIC DIFFERENTIATION IN THE ANT FORMICA SELYSI. Evolution; International Journal of Organic Evolution, 2004, 58, 1064. | 1.1 | 3 |
| 72 | VARIABLE QUEEN NUMBER IN ANT COLONIES: NO IMPACT ON QUEEN TURNOVER, INBREEDING, AND POPULATION GENETIC DIFFERENTIATION IN THE ANT FORMICA SELYSI. Evolution; International Journal of Organic Evolution, 2004, 58, 1064-1072. | 1.1 | 85 |

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|---|---|---|---|
| 73 | Evolution: Social Selection for Eccentricity. Current Biology, 2004, 14, R1003-R1004. | 1.8 | 4 |
| 74 | Highly variable social organisation of colonies in the ant Formica cinerea. Hereditas, 2003, 139, 7-12. | 0.5 | 7 |
| 75 | Evidence for collective medication in ants. Ecology Letters, 2003, 6, 19-22. | 3.0 | 135 |
| 76 | INBREEDING AND SEX-BIASED GENE FLOW IN THE ANT FORMICA EXSECTA. Evolution; International Journal of Organic Evolution, 2003, 57, 1552-1561. | 1.1 | 87 |
| 77 | INBREEDING AND SEX-BIASED GENE FLOW IN THE ANT FORMICA EXSECTA. Evolution; International Journal of Organic Evolution, 2003, 57, 1552. | 1.1 | 5 |
| 78 | Division of labour influences the rate of ageing in weaver ant workers. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 909-913. | 1.2 | 70 |
| 79 | Sex ratio and Wolbachia infection in the ant Formica exsecta. Heredity, 2001, 87, 227-233. | 1.2 | 36 |
| 80 | Microsatellite markers for Rhytidoponera metallica and other ponerine ants. Molecular Ecology, 2000, 9, 2218-2220. | 2.0 | 2 |
| 81 | Cooperation among Selfish Individuals in Insect Societies. BioScience, 1999, 49, 899-909. | 2.2 | 67 |
| 82 | Testing kin selection with sex allocation data in eusocial Hymenoptera. Heredity, 1999, 82, 473-478. | 1.2 | 109 |
| 83 | Extended family structure in the ant Formica paralugubris : the role of the breeding system. Behavioral Ecology and Sociobiology, 1999, 46, 405-412. | 0.6 | 65 |
| 84 | Nestmate recognition and the genetic relatedness of nests in the ant Formica pratensis. Behavioral Ecology and Sociobiology, 1998, 43, 67-72. | 0.6 | 94 |
| 85 | Mating frequency of ant queens with alternative dispersal strategies, as revealed by microsatellite analysis of sperm. Molecular Ecology, 1998, 7, 1097-1105. | 2.0 | 55 |
| 86 | MHC-genotype of progeny influenced by parental infection. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 711-716. | 1.2 | 74 |
| 87 | MICROSATELLITES REVEAL HIGH POPULATION VISCOSITY AND LIMITED DISPERSAL IN THE ANTFORMICA PARALUGUBRIS. Evolution; International Journal of Organic Evolution, 1997, 51, 475-482. | 1.1 | 111 |
| 88 | Microsatellites Reveal High Population Viscosity and Limited Dispersal in the Ant Formica paralugubris. Evolution; International Journal of Organic Evolution, 1997, 51, 475. | 1.1 | 57 |
| 89 | Sexâ€“ratio regulation: the economics of fratricide in ants. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 1255-1260. | 1.2 | 82 |
| 90 | The ant and the lion: common principles and idiosyncratic differences in social evolution. Trends in Ecology and Evolution, 1997, 12, 463-465. | 4.2 | 2 |

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|---|---|---|---|
| 91 | Male reproductive success: paternity contribution to queens and workers in Formica ants. Behavioral Ecology and Sociobiology, 1997, 41, 11-15. | 0.6 | 27 |
| 92 | Conditional Manipulation of Sex Ratios by Ant Workers: A Test of Kin Selection Theory. Science, 1996, 274, 993-995. | 6.0 | 252 |
| 93 | Bourke, A. F. G. and Franks, N. R. 1995. Social Evolution in Ants. Princeton University Press, Princeton, New Jersey, xiii + 529 pp. ISBN 0-691-04427-9 (cl), $75.00 or 0-691-04426-0 (pbk), $29.95.. Journal of Evolutionary Biology, 1996, 9, 1032-1034. | 0.8 | 1 |
| 94 | Non-random fertilization in mice correlates with the MHC and something else. Heredity, 1996, 77, 400-409. | 1.2 | 124 |
| 95 | Taxonomic Status of Hylomys parvus and Hylomys suillus (Insectivora: Erinaceidae): Biochemical and Morphological Analyses. Journal of Mammalogy, 1994, 75, 965-978. | 0.6 | 8 |
| 96 | Longevity differs among sexes but is not affected by repeated immune activation in voles (Microtus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 0.7 | 4 |
| 97 | Social insect colonies are more likely to accept unrelated queens when they come with workers. Behavioral Ecology, 0, , . | 1.0 | 5 |