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Publications dans des revues de rang A

64 publications dans des journaux scientifiques (IF median : 2,9), 1480 citations (moyenne = 24 / papier), h-index = 21 (tiré de web of science janvier 2023)

* publications sur invitation qui ne sont pas des productions de résultats

64. Jacquier L, Molet M & **Doums C.** 2023. Urban colonies are less aggressive but perform more foraging trips than their forest counterparts in the ant *Temnothorax nylanderii*. **Animal Behaviour**. Sous presse.
63. Eyer PA, Finand B, Mona S, Khimoun A, D'ettorre P, Fédérici P, Leroy C, Cornette R, Chifflet-Belle P, Monnin T & **Doums C.** 2022. Integrative characterization of genetic and phenotypic differentiation in an ant species complex with strong hierarchical population structure and low dispersal abilities. **Heredity**. <https://doi.org/10.1038/s41437-022-00590-6>. Online first.
62. Jacquier L, **Doums C** & Molet M. 2022. Spring colonies of the ant *Temnothorax nylanderii* tolerate cadmium better than winter colonies, in both a city and a forest habitat. **Ecotoxicology**. 31 : 324-334.
61. Honorio R, Jacquier L, **Doums C** & Molet M. 2021. Disentangling the roles of social and individual effects on cadmium tolerance in the ant *Temnothorax nylanderii*. **Biological Journal of the Linnean Society**, 134 : 823-834
60. Jacquier L, Molet M, Bocquet C, **Doums C.** 2021. Hibernation conditions contribute to the differential resistance to cadmium between urban and forest ant colonies. **Animals**, 11. 10.3390/ani11041050.
59. Honorio R, **Doums C**, Molet M. 2021. Worker size diversity has no effect on overwintering success under natural conditions in the ant *Temnothorax nylanderii*. **Insects**. 10.3390/insects12050379
58. *Monnin T, **Doums C**, Molet. 2021. In memoriam Christian Peeters (1956–2020). **Insectes Sociaux**, 68 : 147-149
57. Jacquier L, **Doums C**, Four-Chaboussant A, Peronnet R, Tirard C, Molet M. 2021. Urban colonies are more resistant to a trace metal than their forest counterparts in the ant *Temnothorax nylanderii*. **Urban Ecosystems**, 24 : 561-570
56. Honorio R, **Doums C**, Molet M. 2020. Manipulation of worker size diversity does not affect colony fitness under natural conditions in the ant *Temnothorax nylanderii*. **Behavioral Ecology and Sociobiology**, 74 : 1-11
55. ***Doums C.** Monnin T. 2020. To have and not to have sex: When multiple evolutions of conditional use of sex elegantly solve the question in the ant genus *Cataglyphis*. **Molecular Ecology**. 29 : 445–447 (invited news and views).
54. Khimoun A, **Doums C**, Mollet M, Kaufman B, Peronnet R, Eyer PA, Mona S. 2020. Urbanization without isolation: the absence of genetic structure among cities and forests in the tiny acorn ant *Temnothorax nylanderii*. **Biology Letters**. 16: 20190741.
53. Monnin T, Helft F, Leroy C, d'Etterre P. **Doums C.** 2018. Chemical characterization of young virgin queens and mated egg-laying queens in the ant *Cataglyphis cursor*. **Journal of Chemical Ecology**, 44 : 127-136.
52. **Doums C**, Fédérici P, Chifflet-Belle P, Monnin T. 2018. Worker thelytoky allows requeening of orphaned colonies but increases susceptibility to reproductive cheating in an ant. **Animal Behaviour**, 135 : 109-119.
51. Colin T, **Doums C**, Péronnet R, Molet M. 2017. Decreasing worker size diversity does not affect colony performance during laboratory challenges in the ant *Temnothorax nylanderii*. **Behavioral Ecology and Sociobiology**, 71 : 92.

50. Molet M, Péronnet R, Couette S, Canovas C, **Doums C**. 2017. Effect of temperature and social environment on worker size in the ant *Temnothorax nylanderi*. **Journal of Thermal Biology**, 67 : 22-29.
49. Boulay R, Aron S, Cerdà X, **Doums C**, Graham P, Hefetz A, Monnin T. 2017. Social life in arid environments: the case study of *Cataglyphis* ants. **Annual Review of Entomology**, 62, 305-321.
48. Cronin A, Monnin T, Sillam-Dussès D, Aubrun F, Fédérici P, **Doums C**. 2016. Qualitative bias in offspring investment in a superorganism is linked to dispersal and nest inheritance. **Animal Behavior**, 199, 1-9.
47. Amor F, Villalta I, **Doums C**, Angulo E, Caut S, Castro S, Cerdá X, Boulay R. 2016. Nutritional versus genetic correlates of caste differentiation in a desert ant. **Ecological Entomology**, 41, 660-667.
46. Cronin A, Chifflet-Belle P, Fédérici P, **Doums C**. 2016. High inter-colonial variation in worker nestmate relatedness and diverse social structure in a desert ant from Mongolia. **Insectes Sociaux**, 63, 87-98.
45. Helft F, **Doums C**, Monnin T. 2016. No evidence of pre-copulatory mate choice by gynes in the facultatively parthenogenetic ant *Cataglyphis cursor*. **Insectes Sociaux**, 63, 199-201.
44. Helft F, Monnin T, **Doums C**. 2015. First Evidence of inclusive sexual selection in the ant *Cataglyphis cursor* : worker aggressions differentially affect male access to virgin queens. **Ethology**, 121, 1-10.
43. Westhus C, Ugelvig LV, Tourdot E, Heinze J, **Doums C**, Cremer S 2014 Increased grooming after repeated brood care provides sanitary benefits in a clonal ant. **Behavioral Ecology and Sociobiology** 68, 1701-1710.
42. **Doums C**, Ruel C, Clémencet J, Fédérici P, Cournault L, Aron S. 2013. Fertile diploid males in the ant *Cataglyphis cursor*: a potential cost of thelytoky? **Behavioral Ecology and Sociobiology**, 67, 1983-1993.
41. **Doums C**, Cronin AL, Fédérici P, Haussy C, Tirard C, Monnin T. 2013. Facultative use of thelytokous parthenogenesis for queen production in the polyandrous ant *Cataglyphis cursor*. **Journal of Evolutionary Biology** 26, 1431-1444.
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39. Helft F, Tirard C, **Doums C**. 2012. The effects of division of labour on phenoloxidase based immunity in workers of the ant *Cataglyphis cursor*. **Insectes sociaux**, 59, 333-340.
38. Cronin AL, Fédérici P, **Doums C**, Monnin T. 2012. The influence of intraspecific competition on resource allocation during dependent colony foundation in a social insect. **Oecologia**, 168, 361-369.
37. Cronin A, Monnin T, Haussy C, **Doums C**. 2011. Opportunities for mate choice in the fission performing ant *Cataglyphis cursor*. **Ecological Entomology**, 36, 522-525.
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35. Chéron B*, Cronin AL*, **Doums C**, Haussy C, Tirard C, Monnin T. 2011. Unequal resource allocation among colonies produced by fission in the ant *Cataglyphis cursor*. **Ecology**, 92, 1448-1458. * Co-premier auteur
34. Clémencet J, Cournault L, Odent A, **Doums C**. 2010. Worker thermal tolerance in the thermophilic ant *Cataglyphis cursor*. **Insectes Sociaux**, 57, 11-15.
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27. Hora RR, Poteaux C, **Doums C**, Fresneau D, Fénéron R. 2007. Egg cannibalism in a facultative polygynous ant: conflict for reproduction or strategy to survive? **Ethology**, 113, 909-916.
26. Clémencet J, **Doums C**. 2007. Habitat-related microgeographic variation of worker size and colony size in the ant *Cataglyphis cursor*. **Oecologia**, 152, 211-218.
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18. Baudry E, Peeters C, Brazier L, Veuille M, **Doums C**. 2003. Shift in the behaviours regulating monogyny is associated with high genetic differentiation in the queenless ant *Diacamma ceylonense*. **Insectes Sociaux**, 50, 390-397
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16. **Doums C**, Moret Y, Benelli E, Schmid-Hempel P. 2002. Senescence of immune defence in *Bombus* workers. **Ecological Entomology**, 27, 138-144.
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14. André JB, Peeters C, **Doums C**. 2001. Serial polygyny and colony genetic structure in the monogynous queenless ant *Diacamma cyaneiventre*. **Behavioral Ecology and Sociobiology**, 50, 72-80

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10. **Doums C**, Perdieu MA, Jarne P. 1998. Resource allocation and stressful conditions in the aphillic snail *Bulinus truncatus*. **Ecology**, 79, 720-733.
9. **Doums C**, Viard F, Jarne P. 1998. The evolution of phally polymorphism. **Biological Journal of the Linnean Society**, 64, 273-296.
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5. **Doums C**, Bremond P, Delay B, Jarne P. 1996. The genetical and environmental determination of phally polymorphism in the freshwater snail *Bulinus truncatus*. **Genetics**, 142, 217-225.
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1. **Doums C**, Delay B, Jarne P. 1994. A problem with the estimate of self-fertilization depression in the hermaphrodite freshwater snail *Bulinus truncatus*: The effect of grouping. **Evolution**, 48, 498-504.

Autres publications

- ***Doums C**. 2019. Parthenogenesis. In Encyclopedia of Social Insects by Christopher K. Starr - Ed. Cham, Switzerland : Springer; <https://doi.org/10.1007/978-3-319-90306-4>