

Publications

Original articles in peer-reviewed journals

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- Rodríguez-León DS, Schmitt T, Pinto MA, Thamm M, **Scheiner R. 2025**. Expression of elongase- and desaturase-encoding genes shapes the cuticular hydrocarbon profiles of honey bees. *Molecular Ecology* 6:e17716.
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- Rodríguez-León DS, Uzunov A, Costa C, Elen D, Charistos L, Galea T, Gabel M, **Scheiner R, Pinto MA, Schmitt T. 2024**. Deciphering the variation in cuticular hydrocarbon profiles of six European honey bee subspecies. *BMC Ecol Evo* 24, 131. <https://doi.org/10.1186/s12862-024-02325-z>
- Manzer S, Thamm M, Hilsmann L, Krischke, B, Steffan-Dewenter I, **Scheiner R. 2024**. The neonicotinoid acetamiprid reduces larval and adult survival in honeybees (*Apis mellifera*) and interacts with a fungicide mixture. *Environmental Pollution* 360: 124643.
- Schuhmann A, Schulte J, Feldhaar H, **Scheiner R. 2024**. Bumblebees are resilient to neonicotinoid-fungicide combinations. *Environment International* 186: 108608.
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- Gabel M, **Scheiner R**, Büchler R. **2023**. Immediate and long-term effects of induced brood interruptions on the reproductive success of *Varroa destructor*. *Apidologie* 54: 20.
- Moris VC, Podsiadlowski L, Martin S, Oeyen JP, Donath A, Petersen M, Wilbrandt J, Misof B, Liedtke D, Thamm M, **Scheiner R**, Schmitt T, Niehuis O. **2023**. Intrasexual cuticular hydrocarbon dimorphism in a wasp sheds light on hydrocarbon biosynthesis genes in Hymenoptera. *Communications Biology* 6:147.
- Schilcher F, **Scheiner R. 2023**. New insight into molecular mechanisms underlying division of labor in honeybees. *Current Opinion in Insect Science* 59: 101080.
- Schuhmann A, **Scheiner R. 2023**. A combination of the frequent fungicides boscalid and dimoxystrobin with the neonicotinoid acetamiprid in field-realistic concentrations does not affect sucrose responsiveness and learning behavior of honeybees. *Eco-toxicology and Environmental Safety* 256: 114850.

- Değirmenci L, Rogé Ferreira FL, Vukosavljevic A, Heindl C, Keller A, Geiger D, **Scheiner R. 2023**. Sugar perception in honeybees. *Frontiers in Physiology* 13: 1089669. (open access)
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Peer-reviewed book chapters and review articles

- Scheiner R**, Bloch G. **2024**. Editorial overview: How do social insects know their tasks? *Current Topics in Insect Science* 66: 101257.
- Pirk CW, **Scheiner R**. **2023**. Editorial: The effects of diet on health in insects. *Frontiers in Insect Science* 3: 1186027.
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