

## Publications

### *Original articles in peer-reviewed journals*

- Gabel M, **Scheiner R**, Steffan-Dewenter I, Büchler R. **2023**. Reproduction of *Varroa destructor* depends on well-timed host cell recapping and seasonal patterns. *Scientific Reports* 18:13(1): 22484.
- Thamm M, Reiß F, Sohl L, Gabel M, Noll M, **Scheiner R**. **2023**. Solitary bees host more bacteria and fungi on their cuticle than social bees. *Microorganisms* 11(11): 2780.
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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.
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- Pirk CW, **Scheiner R**. **2023**. Editorial: The effects of diet on health in insects. *Frontiers in Insect Science* 3: 1186027.
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- Finke V, **Scheiner R**, Giurfa M, Avarguès-Weber A. **2023**. Individual consistency in the learning abilities of honey bees: cognitive specialization within sensory and reinforcement modalities. *Animal Cognition* 26: 909–928.
- Bachert A, **Scheiner R**, Brandt A, Büchler R. **2022**. Wirksamkeit und Nebenwirkungen einer Varroabehandlung von Honigbienen mit 60 %iger Ameisensäure in verschiedenen Verdunstersystemen. *Berliner und Münchner Tierärztliche Wochenschrift* 135: 1–13
- Schilcher F, Hilsmann L, Ankenbrand M, Krischke M, Mueller MJ, Steffan-Dewenter I, **Scheiner R**. **2022**. Honeybees are buffered against undernourishment during larval stages. *Frontiers in Insect Science* 2: 951317.
- Schilcher F, Hilsmann L, Rauscher L, Değirmenci L, Krischke M, Krischke B, Ankenbrand M, Rutschmann B, Mueller MJ, Steffan-Dewenter I, **Scheiner R**. **2022**. *In-vitro* rearing changes social task performance and physiology in honeybees. *Insects* 13(1): 4.
- Schuhmann A, Schmid AP, Manzer S, **Scheiner R**. **2022**. Interaction of insecticides and fungicides in bees. *Frontiers Insect Science* 1: 808335.
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- Scheiner R**, Kulikowskaja L, Thamm M. **2014**. The honey bee tyramine receptor AmTYR1 and division of foraging labor. *Journal of Experimental Biology* 217: 1215-1217.
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#### **Peer-reviewed book chapters and review articles**

- Uzunov A, Andonov S, Dahle B, Kovačić M, Prešern J, Aleksovski G, Jovanovska M, Pavlov B, Puškadija Z, Wegener J, Galartza E, **Scheiner R**, Büchler R. **2023**. Standard methods for direct observation of honeybee nuptial flights. *Journal of Apicultural Research*. DOI: 10.1080/00218839.2023.2251201
- Scheiner R**, Abramson CI, Brodschneider R, Crailsheim K, Farina WM, Fuchs S, Grünewald B, Hahshold S, Karrer M, Koeniger G, Koeniger N, Menzel R, Mujagic S, Radspieler G, Schmickl T, Schneider C, Siegel AJ, Szopek M, Thenius R. **2013**. Standard methods for behavioral studies of *Apis mellifera*. In: Dietemann V, Ellis JD, Neumann P (Hrsg). *The COLOSS BEEBOOK: standard methodologies for Apis mellifera research*. IBRA Cardiff.
- Scheiner R**, Erber J. **2009**. Sensory thresholds, learning and the division of foraging labor in the honey bee. In Gadau J, Fewell JH (Hrsg.). *Organization of Insect Societies - From genomes to socio-complexity*. Harvard University Press. Cambridge MA. S. 335-356.
- Page RE, **Scheiner R**, Erber J, Amdam GV. **2006**. The developmental evolution of division of labor and foraging specialization in a social insect (*Apis mellifera* L.). *Current Topics in Developmental Biology* 74: 253-286.
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**Others**

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