

Publications

Original articles in peer-reviewed journals

- Schuhmann A, Schulte J, Feldhaar H, **Scheiner R. 2024.** Bumblebees are resilient to neonicotinoid-fungicide combinations. *Environment International* 186 (2024) 108608
- 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.
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- Gabel M, Hoppe A, **Scheiner R**, Oberfell J, Büchler R. **2023.** Heritability of *Apis mellifera* recapping behavior and suppressed mite reproduction as resistance traits towards *Varroa destructor*. *Frontiers Insect Science* 3: 1135187.
- 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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- Schilcher F, **Scheiner R. 2023.** New insight into molecular mechanisms underlying division of labor in honeybees. *Current Topics 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. *Ecotoxicology 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.
- 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 Verdunstungssystemen. *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.
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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.
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- 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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