

## Berthold Hedwig: Publications in chronological order Jan 2022

- Bent A, Hedwig B (2021) Tolerant pattern recognition: Evidence from phonotactic responses in the cricket *Gryllus bimaculatus* (de Geer). Proc Roy Soc B 288:20211889. <https://doi.org/10.1098/rspb.2021.1889>
- Clemens J, Schöneich S, Kostarakos K, Hennig RM and Hedwig B (2021) A small, computationally flexible network produces the phenotypic diversity of song recognition in crickets. eLife 10:e61475. doi.org/10.7554/eLife.61475
- Chu-Cheng Lin, Berthold Hedwig (2021) Wing movements underlying sound production in calling, rivalry, and courtship songs of the cricket *Gryllus bimaculatus* (DeGeer). J Insect Physiol 134 (2021) 104299. doi.org/10.1016/j.jinsphys.2021.104299
- Sarmiento-Ponce EJ, Rogers S, Hedwig B (2021) Does the choosiness of female crickets change as they age? JEB 224, doi:10.1242/jeb.241802
- Lin CC and Hedwig B (2021) Lesions of abdominal connectives reveal a conserved organization of the calling song central pattern generator (CPG) network in different cricket species. J Comp Physiol A. DOI 10.1007/s00359-021-01495-1
- Jacob PF, Hedwig B (2020) Modular timer networks: abdominal interneurons controlling the chirp and pulse pattern in a cricket calling song. J Comp Physiol A <https://doi.org/10.1007/s00359-020-01448-0>
- Lv, M., Zhang, X., and Hedwig, B. (2020) Phonotactic steering and representation of directional information in the ascending auditory pathway of a cricket. J Neurophysiol. <https://journals.physiology.org/doi/abs/10.1152/jn.00737.2019>
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- Schneider WT, Rutz C, Hedwig B, and Bailey NW (2018) Vestigial singing behaviour persists after the evolutionary loss of song in crickets. Biol. Lett. 14: 20170654. <http://dx.doi.org/10.1098/rsbl.2017.0654>, 4 pages.
- Kostarakos K and Hedwig B (2017) Surface electrodes record and label brain neurons in insects. J Neurophysiology, doi: 10.1152/jn.00490.2017, 6 pages.
- Hedwig B and Sarmiento-Ponce EJ (2017) Song pattern recognition in crickets based on a delay-line and coincidence-detector mechanism. Proceedings Roy Soc B. 284:20170745; doi.org/10.6084/m9.figshare.c.3768695. 9 pages.

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