

## Berthold Hedwig: List of Publications in chronological order

### Papers

- Sarmiento-Ponce EJ, Sutcliffe MPF, and Hedwig B (2018) Substrate texture affects female cricket walking response to male calling song. *R. Soc. OpenSci.*, 5: 172334 <http://dx.doi.org/10.1098/rsos.172334>.
- 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>.
- Kostarakos K and Hedwig B (2017) Surface electrodes record and label brain neurons in insects. *J Neurophysiology*, doi: 10.1152/jn.00490.2017
- 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.
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- Jacob PF and Hedwig B (2016) Acoustic signalling for mate attraction in crickets: Abdominal ganglia control the timing of the calling song pattern. *Behavioural Brain Research* 309: 1-16, <http://dx.doi.org/10.1016/j.bbr.2016.04.025>
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- Hedwig B (2016) Sequential Filtering Processes Shape Feature Detection in Crickets: A Framework for Song Pattern Recognition, *Frontiers in Physiology*, doi: 10.3389/fphys.2016.00046
- Hummel J, Schöneich S, Kössl M, Scherberich J, Hedwig B, Prinz S, Nowotny M (2016) Gating of Acoustic Transducer Channels Is Shaped by Biomechanical Filter Processes. *J Neurosci* 36(8):2377–2382, doi:10.1523/JNEUROSCI.3948-15.2016

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