

# RECENT BIOACOUSTIC PUBLICATIONS 2004

(includes publications since the last list and some that were not included in the last list)

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## Non-insect invertebrates

Ahtiainen, J. J., Alatalo, R. V., Mappes, J. & Vertainen, L. (2004). Decreased sexual signalling reveals reduced viability in small populations of the drumming wolf spider *Hygrolycosa rubrofasciata*. *Proc. R. Soc. Lond., B.*, **271**, 1839-1846.

Elias, D. O., Mason, A. C., Maddison, W. P. & Hoy, R. R. (2003). Seismic signals in a courting male jumping spider (Araneae: Salticidae). *J. Exp. Biol.*, **206**, 4029-4039.

Fernandez-Montraveta, C. & Simo, M. (2002). Male pedipalpal stridulatory devices in neotropical wolf spiders and their possible role in systematics. *J. Arachnol.*, **30**, 475-480.

Henning, F., Weber, M., Hinkel, H. & Schottler, B. (2002). Defensive hissing display of African baboon spiders (Araneae: Theraphosidae). *Bioacoustics*, **13**, 99.

Kotiaho, J. S., Alatalo, R. V., Mappes, J. & Parri, S. (2004). Adaptive significance of synchronous chorusing in an acoustically signalling wolf spider. *Proc. R. Soc. Lond., B.*, **271**, 1847-1850.

Maklakov, A. A., Bilde, T. & Lubin, Y. (2003). Vibratory courtship in a web-building spider: signalling quality or stimulating the female? *Anim. Behav.*, **66**, 623-630.

## Insects

Aguilar, I. & Briceno, D. (2002). Sounds in *Melipona costaricensis* (Apidae: Meliponini): effect of sugar concentration and nectar source distance. *Apidologie*, **33**, 375-388.

Bennet-Clark, H. C. (2003). Wing resonances in the Australian field cricket *Teleogryllus oceanicus*. *J. Exp. Biol.*, **206**, 1479-1496.

Biesmeijer, J. C. (2003). The occurrence and context of tremble dancing in free-foraging honey bees (*Apis mellifera*). *Behav. Ecol. Sociobiol.*, **53**, 411-416.

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Bridle, J. R. & Butlin, R. K. (2002). Mating signal variation and bimodality in a mosaic hybrid zone between *Chorthippus* grasshopper species. *Evolution*, **56**, 1184-1198.

Chang, Y. & Kang, L. (2002). Characteristics and function of courtship song of insects and its ecological significances. *Zool. Res.*, **23**, 419-425.

Chesmore, D. (2004). Automated bioacoustic identification of species. *An. Acad. Bras. Cienc.*, **76**, 436-440.

Cokl, A. & Virant-Doberlet, M. (2003). Communication with substrate-borne signals in small plant-dwelling insects. *Annu. Rev. Entomol.*, **48**, 29-50.

Cokl, A., McBrien, H. L. & Millar, J. G. (2001). Comparison of substrate-borne vibrational signals of two stink bug species, *Acrosternum hilare* and *Nezara viridula* (Heteroptera: Pentatomidae). *Ann. Entomol. Soc. Am.*, **94**,

471-479.

Cokl, A., Stritih, N. & Virant-Doberlet, M. (2002). Tuning of green stink bug substrate-borne songs with the transmission properties of host plants. *Bioacoustics*, **13**, 102.

Cooley, J. R. & Marshall, D. C. (2001). Sexual signaling in periodical cicadas, *Magicicada* spp. (Hemiptera: Cicadidae). *Behaviour*, **138**, 827-855.

Costa, C. T. A. & Sene, F. M. (2002). Characterization of courtship sounds of species of the subgroup *fasciola* (Diptera, Drosophilidae, *Drosophila repleta* group): Interspecific and interpopulational analyses. *Brazilian J. Biol.*, **62**, 573-583.

Couldridge, V. C. K. & van Staaden, M. J. (2004). Habitat-dependent transmission of male advertisement calls in bladder grasshoppers (Orthoptera: Penumoridae). *J. Exp. Biol.*, **207**, 2777-2786.

David, J. A. O., Zefa, E. & Fontanetti, C. S. (2003). Cryptic species of *Gryllus* in the light of bioacoustic (Orthoptera: Gryllidae). *Neotrop. Entomol.*, **32**, 75-80.

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Ferreira, M. & Ferguson, J. W. H. (2002). Geographic variation in the calling song in the field cricket *Gryllus bimaculatus* (Orthoptera: Gryllidae) and its relevance to mate recognition and mate choice. *J. Zool.*, **257**, 163-170.

Field, L. H. & Roberts, K. L. (2003). Novel use of hair sensilla in acoustic stridulation by New Zealand giant wetas (Orthoptera: Anostomatidae). *Arthropod Struct. Dev.*, **31**, 287-296.

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Gerhardt, H. C. & Huber, F. (2002). *Acoustic Communication in Insects and Anurans: Common Problems and Diverse Solutions*. University of Chicago Press; Chicago.

Gogala, M. & Trilar, T. (2003). Video analysis of wing clicking in cicadas of the genera *Cicadatra* and *Pagiphora* (Homoptera: Auchenorrhyncha: Cicadoidea). *Acta Entomol. Slov.*, **11**, 5-15.

Gogala, M. & Trilar, T. (2004). Bioacoustic investigations and taxonomic considerations on the *Cicadetta montana* species complex (Homoptera: Cicadoidea: Tibicinidae). *An. Acad. Bras. Cienc.*, **76**, 316-324.

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Greenfield, M. D. & Snedden, W. A. (2003). Selective attention and the spatio-temporal structure of orthopteran choruses. *Behaviour*, **140**, 1-26.

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## Fishes

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