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**Amazon.com: Insect Sounds and Communication:  
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Insect Sounds and Communication. Drosopoulos, S. (Ed.),  
Claridge, M. (Ed.). (2006). Insect Sounds and Communication.  
Boca Raton: CRC Press, <https://doi.org/10.1201/9781420039337>.  
While we may have always assumed that insects employ  
auditory communication, our understanding of it has been  
impeded by various technical challenges. In comparison to the  
study of an insect's visual and olfactory expression, research in  
the area of acoustic communication has lagged behind.

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This book, containing 32 chapters, is divided into 2 parts: (I)  
general aspects of insect sounds and (II) sounds in various taxa  
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ecology, physiology, genetics, cytogenetics, polymorphism as  
well as bisexual and unisexual reproduction.

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## **Insect sounds and communication: physiology, behaviour**

...

the main input for airborne sound. The acoustic trachea transmits sound to the tympanal organs. in the proximal tibiae of the forelegs; the vibrations of the tympana are caused by sound. acting on the inner surface of the tympanum (Lewis, 1974; Michelsen and Larsen, 1978; Heinrich et al., 1993).

## **Insect Sounds and Communication - Taylor & Francis Group**

Annals of the Entomological Society of America integrates different areas of insect biology and addresses current issues relevant to entomologists. Sign In View Cart Help \* \* \* \* \* Browse. Titles Publishers ... 1 July 2009 Insect Sounds and Communication: Physiology, Behaviour, Ecology and Evolution. Andrew Mason.

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## **Insect Sounds and Communication: Physiology, Behaviour**

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INSECT SOUNDS AND COMMUNICATION Physiology, Behaviour, Ecology and Evolution CONTEMPORARY TOPICS in ENTOMOLOGY Series THOMAS A. MILLER EDITOR INSECT SOUNDS AND COMMUNICATION Physiology, Behaviour, Ecology and Evolution Edited by Sakis Drosopoulos Michael F. Claridge 2060\_Discl.fm Page 1 Tuesday, September 13, 2005 10:57 AM

## **INSECT SOUNDS AND COMMUNICATION ... - MAFIADOC.COM**

Thirty-two chapters written by top specialists from all over the world cover general aspects of insect sounds, their relation to morphology, development and physiology, review techniques of sound analysis, and describe how different species generate and perceive sounds. ! Insect Sound and Communication is an

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important milestone for all students ...

## **Insect Sounds and Communication | NHBS Academic ...**

Physiology, Behaviour, Ecology, and Evolution. Insect Sounds and Communication. DOI link for Insect Sounds and Communication. Insect Sounds and Communication book. Physiology, Behaviour, Ecology, and Evolution. Edited By Sakis Drosopoulos, Michael F. Claridge. Edition 1st Edition . First Published 2005 . eBook Published 2 November 2005 .

## **Insect Sounds and Communication - Taylor & Francis**

While humans can detect sounds in a range from 20 to 20.000Hz, insects can emit and detect sounds above this range (some crickets can produce ultrasounds above 80.000Hz). The summer sound Cicades are amazing for many reasons: they remain more than 17 years in a nymph state underground until they reach adulthood and also emit a wide range of singings

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from sunrise to sunset during summer months.

## **How do insects communicate? | All you need is Biology**

Insect sounds and communication : physiology, behaviour, ecology and evolution / edited by Sakis Drosopoulos and Michael F. Claridge. p. cm. -- (Contemporary topics in entomology series)

## **INSECT SOUNDS AND - ResearchGate**

Thus, an insect may send a communication signal by doing something (e.g. make a noise, release a chemical, or flash a light) or the signal may simply be an inherent part of the insect's physical makeup (e.g. wing pattern, body color, or surface chemistry). In either case, the signal must elicit some behavioral change in order for a human observer to recognize its existence.

## **Insect Communication - ENT 425 - General Entomology**

Insect Sounds and Communication: Physiology, Behaviour, E

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ecology and Evolution 378 against the burst duration, the discrimination between the two species is very significant (Figure 28.14).

## **(PDF) Mating Behaviour and Vibratory Signals in Whiteflies ...**

15. Sound emissions which result from: Vibrations Most usually oscillations of the abdomen Either dorso-ventrally or laterally, and/or by the wings. Tremulation Sound production transmitted through the legs to the substrate on which the insect is walking or standing. (Claridge, 2005) 15.

## **Light Production, Sound production and Thermoregulation in ...**

Exchange of information by vibratory signals transmitted through plants is an important element of multimodal communication during mating of stinkbugs [1, 2] and most other

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insect groups . On plants, insects use low frequency, corrected bending waves [ 4 ] characterized, among other factors, by frequency-dependent propagation velocity, low attenuation and non-linear decrease of amplitude with distance [ 5 ].

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