

SCHRIFTENVERZEICHNIS - LIST OF PUBLICATIONS

**FULL PAPERS**

P = "Public Science", R = Review

1. BARTH FG (1964) A phasic-tonic proprioceptor in the telson of the crayfish *Procambarus clarki* (Girard). *Z vergl Physiol* 48: 181-189
2. AUTRUM H, BARTH FG (1966) Einzelzelleitung von einem Spaltsinnesorgan der Spinne *Cupiennius salei* Keys. *Naturwissenschaften* 53 (16): 412-413
3. BARTH FG (1967) Ein einzelnes Spaltsinnesorgan auf dem Spinnentarsus: seine Erregung in Abhängigkeit von den Parametern des Luftschallreizes. *Z vergl Physiol* 55: 407-449
4. BARTH FG (1969) Die Feinstruktur des Spinnenintegumentes. I. Die Cuticula des Laufbeines adulter häutungsferner Tiere (*Cupiennius salei* Keys.). *Z Zellforsch* 97: 137- 159
5. BARTH FG, DEUTSCHLÄNDER N (1969) Zum Bau eines Einzelspaltsinnesorgans auf dem Tarsus der Spinne *Cupiennius salei* Keys. *Bull Mus Nat Hist Natur* 41 (1): 9-13
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12. BARTH FG (1972) Die Physiologie der Spaltsinnesorgane. II. Funktionelle Morphologie eines Mechanoreceptors. *J Comp Physiol* 81: 159-186
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14. BARTH FG (1973) Laminated composite material in biology. Microfiber reinforcement of an arthropod cuticle. *Z Zellforsch* 144: 409-433

15. BARTH FG (1973) Bauprinzipien und adäquater Reiz bei einem Mechanoreceptor. Verh Dtsch Zool Ges 1972: 25-30
- P 16. BARTH FG (1973) Song and hearing of insects. Informa 2, Boehringer Ingelheim: 14-20
- P 17. BARTH FG (1973) Canto y oido de los insectos. Informa 74, Boehringer Ingelheim: 14-20
18. OESTERLE D, BARTH FG (1973) Zur Feinstruktur einer elektrischen Synapse. Die Septen der dorsalen Riesenfaser von Regenwürmern (*Lumbricus terrestris*, *Eisenia foetida*). Z Zellforsch 136: 139-152
- P 19. BARTH FG (1975) El esqueleto de los arthropodos: Una materia prime compuesta en el reino animal. Informa 85, Boehringer Ingelheim: 20-27
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25. RICK R, BARTH FG, von PAWEL A (1976) X-ray microanalysis of receptor lymph in a cuticular arthropod sensillum. J Comp Physiol 110: 89-95
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39. BLICKHAN R, BARTH FG, FICKER E (1982) Biomechanics in a sensory system. Strain detection in the exoskeleton of arthropods. *VIIIth Internat Conf on Experimental Stress Analysis, Haifa*: 223-233
40. KLÄRNER D, BARTH FG (1982) Vibratory signals and prey capture in orb-weaving spiders (*Zygiella x-notata*, *Nephila clavipes*; Araneidae). *J Comp Physiol* 148: 445-455
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- R 49. BARTH FG, BLICKHAN R (1984) Mechanoreception. In: Bereiter-Hahn J, Matoltsy AG, Richards R (eds.) *Biology of the Integument*. Springer, Berlin, pp. 554-582
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