1. Record Nr. UNINA9910337941403321

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Titolo	Topographic Organization of the Pectine Neuropils in Scorpions : An Analysis of Chemosensory Afferents and the Projection Pattern in the Central Nervous System / / by Denise Drozd
Pubbl/distr/stampa	Wiesbaden : , : Springer Fachmedien Wiesbaden : , : Imprint : Springer Spektrum, , 2019
ISBN	3-658-25155-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (57 pages)
Collana	BestMasters, , 2625-3577
Disciplina	591.1826
Soggetti	Zoology Neurosciences Microscopy Biological Microscopy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The Nervous System of Scorpions -- Structural Analysis of the Posterior Pectine Neuropil -- Projection Areas of Chemosensory Afferents.
Sommario/riassunto	Chelicerates do not possess dedicated antennae like the Mandibulata but have evolved their second sets of appendages into the eponymous chelicerae. In scorpions, pectines are specialized comb-like structures, located on the ninth body segment, used for examining the substrate for chemo- and mechanosensory signals. The comb teeth, or pegs, are truncated beveled structures facing the substrate for probing, and are studded with numerous sensory receptors. Afferents from the pectines project into a distinct neuropil of the central nervous system, located behind the fourth walking leg neuropils. Denise Drozd analyzes afferents of single pegs in Mesobuthus eupeus by backfilling, combined with immunohistological labeling of neuropil regions. Her results suggest a topographic representation of the chemosensory fibers within the pectine neuropil instead of the typical chemotopic representation. Contents The Nervous System of Scorpions Structural Analysis of the Posterior Pectine Neuropil Projection Areas of Chemosensory Afferents Target Groups Lecturers and students in the fields of neurobiology, morphology, and zoology The Author Denise

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