

## Long-legged cave spiders (Araneae, Telemidae) from Yunnan-Guizhou Plateau, southwestern China

YUCHENG LIN<sup>1,2</sup> & SHUQIANG LI<sup>1,3</sup>

<sup>1</sup>Institute of Zoology, Chinese Academy of Sciences, Beijing 100101, China

<sup>2</sup>School of Life Sciences, Sichuan University, Chengdu 610064, China

<sup>3</sup>Corresponding author, lisq@ioz.ac.cn

### Table of contents

Introduction . . . . .	2
Materials and methods . . . . .	2
Taxonomy . . . . .	3
Telemidae Fage 1913 . . . . .	3
<i>Telema</i> Simon 1882 . . . . .	3
Key to species of genus <i>Telema</i> from caves in Yunnan-Guizhou Plateau . . . . .	3
<i>Telema auricoma</i> sp. nov. . . . .	3
<i>Telema bifida</i> sp. nov. . . . .	5
<i>Telema circularis</i> Tong & Li, 2008 . . . . .	8
<i>Telema claviformis</i> Tong & Li, 2008 . . . . .	8
<i>Telema congregbare</i> sp. nov. . . . .	8
<i>Telema dongbei</i> Wang & Ran, 1998 . . . . .	11
<i>Telema feilong</i> Chen & Zhu, 2009 . . . . .	11
<i>Telema grandidens</i> Tong & Li, 2008 . . . . .	12
<i>Telema guihua</i> sp. nov. . . . .	12
<i>Telema liangxi</i> Zhu & Chen, 2002 . . . . .	15
<i>Telema oculata</i> Tong & Li, 2008 . . . . .	15
<i>Telema pedati</i> sp. nov. . . . .	15
<i>Telema spinafemora</i> sp. nov. . . . .	18
<i>Telema spirae</i> sp. nov. . . . .	21
<i>Telema strentarsi</i> sp. nov. . . . .	23
<i>Telema tortutheca</i> sp. nov. . . . .	26
<i>Telema vesiculata</i> sp. nov. . . . .	29
<i>Telema wunderlichi</i> Song & Zhu, 1994 . . . . .	32
<i>Telema zhewang</i> Chen & Zhu, 2009 . . . . .	32
Discussion . . . . .	32
Acknowledgements . . . . .	34
References . . . . .	34

### Abstract

Ten new species of the genus *Telema*, occurring in caves of Yunnan-Guizhou Plateau of southwestern China, are described and illustrated. Nine of these, *T. bifida* sp. nov., *T. strentarsi* sp. nov., *T. spirae* sp. nov., *T. tortutheca* sp. nov., *T. spinafemora* sp. nov., *T. pedati* sp. nov., *T. congregbare* sp. nov., *T. guihua* sp. nov. and *T. vesiculata* sp. nov., have the typical troglobiotic characters, i.e., no eyes, long legs and setae, pale somatic coloration, and without pigment pattern. Another species, *T. auricoma* sp. nov., found in several caves, may be a troglomorphic species, has relatively short legs, six eyes, and brightly pigmented body. Nine known *Telema* species occurring in caves of this region are also briefly reported. The key to species was provided. Diversity of cave-dwelling telemid spiders in this region was discussed.

**Key words:** Taxonomy, *Telema*, new species, troglobiotic, China