



# Article

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## Six new species of the genus *Euphthiracarus* (Acari: Oribatida: Euphthiracaridae) from China

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### Abstract

Six new species of *Euphthiracarus* from China are described: *E. macrorostralis* **sp. nov.**, *E. medogensis* **sp. nov.**, *E. minimus* **sp. nov.**, *E. oblongus* **sp. nov.**, *E. protrusus* **sp. nov.**, *E. truncatus* **sp. nov.**, and a key to all known species of China is provided.

**Key words:** Soil mites, Oribatida, Euphthiracaridae, *Euphthiracarus*, new species, China

### Introduction

*Euphthiracarus* is the largest genus of the family Euphthiracaridae, with a nearly cosmopolitan distribution. Till now, ten species of this group have been recorded in China (Chen *et al.* 2010, Liu *et al.* 2011). While checking specimens of ptyctimous mites, we identified six species new to science. The aim of this paper is to give detailed descriptions of these species and a key to all known species of China. All types are deposited in the National Zoological Museum of China, Institute of Zoology, Chinese Academy of Sciences, Beijing.

### Methods

Measurements and descriptions are based on specimens mounted in temporary cavity slides that were studied using a light microscope equipped with a drawing attachment.

The terminology generally follows Niedbala (2000). The unit of measurement is micrometre (µm).

### Descriptions of species

#### *Euphthiracarus macrorostralis* **sp. nov.**

(Figs. 1–3)

**Material examined:** Holotype: adult (in alcohol, W-90-28), China: Sichuan Province, Songpan County, Huanglongsi (32°44'59.89"N, 103°57'40.32"E), from litter, 3000 m a.s.l., 3 Jul., 1990, leg. Fu-Sheng Huang. Paratype: one adult (in alcohol, W-90-25), China: Sichuan Province, Songpan County, Zalitai, from litter, 3000 m a.s.l., 2 Jul., 1990, leg. Fu-Sheng Huang.

**Etymology.** The new specific name "*macrorostralis*" is from Latin and refers to the long and robust rostral setae.