Water mites of the genus *Limnesia* Koch, 1836 (Acari: Hydrachnidia, Limnesiidae) from China, with description of four new species

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Abstract

Seven species of *Limnesia* Koch, 1836, from China are described or redescribed from newly collected material. Treated herein are four new species (*Limnesia diploseta* sp. nov., *Limnesia turgeotrochanter* sp. nov., *Limnesia megaseta* sp. nov. and *Limnesia hirtigenitalia* sp. nov.) as well as three previously known species (*Limnesia maculata* (Müller, 1776), *Limnesia papillosa* Viets, 1935 and *Limnesia undulata* (Müller, 1776)).

Key words: *Limnesia*, taxonomy, China

Introduction


Material and methods

Specimens examined in this study were collected by the authors and Guo Jianjun, during 1996–2008 from China, and preserved in Koenike’s solution. Holotypes and paratypes are deposited in Institute of Entomology, Guizhou University (GUGC).

Terms follows Jin (1997). The following abbreviations are used:

A1, A2: antennal glandularia 1 and 2;
ACG: anterior coxal group (CxI + CxII);
CxI–CxIV: coxae I–IV;
D1–D4: dorsoglandularia 1–4;
E1–E4: epimeroglandularia 1–4;