



## Descriptions of a new genus *Orientilimnesia* (Hydrachnidia: Limnesiidae Thor, 1900) with a new species from China

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### Abstract

One new genus, *Orientilimnesia* **gen. nov.**, and a new species, *O. sinuata* **sp. nov.**, in the family Limnesiidae Thor, 1900 are described from Guizhou and Fujian, China.

**Keys words:** Water mite, taxonomy, China

### Introduction

There are twelve species of limnesiid water mites described from China by Marshall (1928), Uchida (1935, 1941), Uchida & Imamura (1951), Jin (1997), Wen & Zhu (2001) and Wen *et al.* (2001). They belong to a single genus *Limnesia* Koch, 1836: *Limnesia maculata* (Müller, 1776), *L. undulata* (Müller, 1776), *L. koenikei* Piersig, 1894, *L. lembangensis* Piersig, 1906, *L. neokoenikei* Jin, 1997, *L. rimiformis* Jin, 1997, *L. anomalia* Jin, 1997, *L. crassignatha* Jin, 1997, *L. paracorpulenta* Jin, 1997, *L. falcata* Jin, 1997 and *L. trifurcata* Wen, *et al.*, 2001 and *L. microplatus* Wen & Zhu, 2001. A new genus, which is remarkably differentiated from the known genera of the family Limnesiidae, and a new species are described from China in this paper.

### Material and methods

Water mites were collected by Guo Jianjun in Wuyishan National Nature Reserve (117°27"–117°51"E, 27°35"–27°54"N), Fujian Province, in 2002 and 2005, and by Tian Zhenzao and Cui Aiping in Dashahe Nature Reserve (107°21'35"–107°47'37"E, 29°00'02"–29°13'17"N), Guizhou Province, in 2004 respectively, and preserved in Koenike's solution. Holotypes and paratypes are deposited in Institute of Entomology, Guizhou University, China.

Terms follow Jin (1997) and the following abbreviations are used:

Ac	acetabulum ( <i>pl.</i> acetabula)
AEG	anterior epimera group;
A1 & A2	pre-and post antennal glandularia;
D1–D4	dorsoglandularia 1–4;
E2 & E4	epimeroglandularia 2 and 4;
EpI–V	epimera 1–4;
GR	the ration of length of gonopore to length of genital plate;