

Volume 30
Issue 5 Review-Special Issue (Part 2)

Article 79

Key to the species of Scolecitrichidae Scolecithrix occurring in the China Seas

Chang-tai Shih
National Taiwan Ocean University, ctshih@mail.ntou.edu.tw

Qing-Chao Chen
South China Sea Institute of Oceanology

Yang-Chi Lan
Fisheries Research Institute

Shih-Hui Hsiao
National Taipei University of Education

Chi-Yu Weng
Institute of Oceanography, National Taiwan University/Ocean Data Bank of the Ministry of National Science and Technology Council, Taiwan

Follow this and additional works at: <https://jmstt.ntou.edu.tw/journal>

 Part of the Fresh Water Studies Commons, Marine Biology Commons, Ocean Engineering Commons, Oceanography Commons, and the Other Oceanography and Atmospheric Sciences and Meteorology Commons

Recommended Citation

Shih, Chang-tai; Chen, Qing-Chao; Lan, Yang-Chi; Hsiao, Shih-Hui; and Weng, Chi-Yu (2022) "Key to the species of Scolecitrichidae Scolecithrix occurring in the China Seas," *Journal of Marine Science and Technology*: Vol. 30: Iss. 5, Article 79.

DOI: 10.51400/2709-6998.2670

Available at: <https://jmstt.ntou.edu.tw/journal/vol30/iss5/79>

This Review-Taxonomic Index is brought to you for free and open access by Journal of Marine Science and Technology. It has been accepted for inclusion in Journal of Marine Science and Technology by an authorized editor of Journal of Marine Science and Technology.

REVIEW-TAXONOMIC INDEX

Key to the Species of Scolecitrichidae *Scolecithrix* Occurring in the China Seas

Chang-tai Shih ^{a,*}, Qing-Chao Chen ^b, Yang-Chi Lan ^c, Shih-Hui Hsiao ^d, Chi-Yu Weng ^e

^a National Taiwan Ocean University, Taiwan

^b South China Sea Institute of Oceanology, China

^c Fisheries Research Institute, Taiwan

^d National Taipei University of Education, Taiwan

^e Institute of Oceanography, National Taiwan University/Ocean Data Bank of the Ministry of National Science and Technology Council, Taiwan

Scolecithrix bradyi(2a/3a/f), *danae*(2b/3b/f)

1a	Female	2
1b	Male	3
2a/1a	Posterolateral corners of prosome asymmetrical, right corner extended further posteriorly than left corner. Genital double-somite without operculum on ventral surface. Leg 5 rudimentary and 1-segmented	<i>Scolecithrix bradyi</i>
2b	Posterolateral corners of prosome symmetrical. Genital double-somite with operculum on ventral surface. Leg 5 absent.....	<i>Scolecithrix danae</i>
3a/1b	Urosomite 1 asymmetrical, a protuberance present near left margin on dorsal surface. Right leg 5 uniramous, exopod 2-segmented, distal segment with an elongate proximal inner process; endopod absent.....	<i>Scolecithrix bradyi</i>
3b	Urosomite 1 symmetrical, no protuberance on dorsal surface. Right leg 5 biramous, exopod 3-segmented, endopod 1-segmented.....	<i>Scolecithrix danae</i>

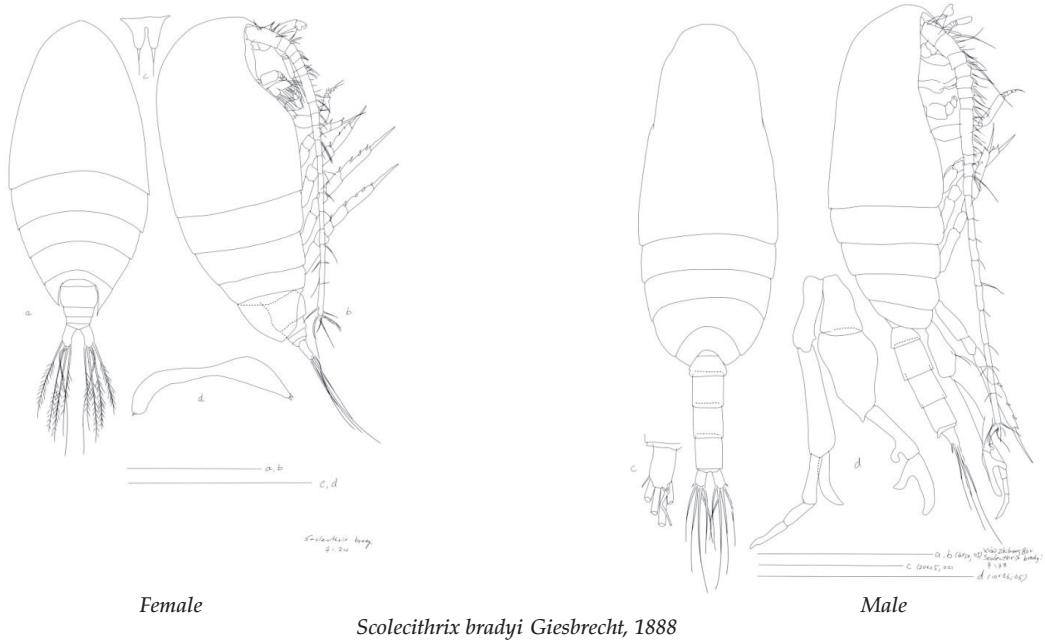
Available online 14 November 2022

* Corresponding author.

E-mail address: ctshih@mail.ntou.edu.tw (C.-t. Shih).

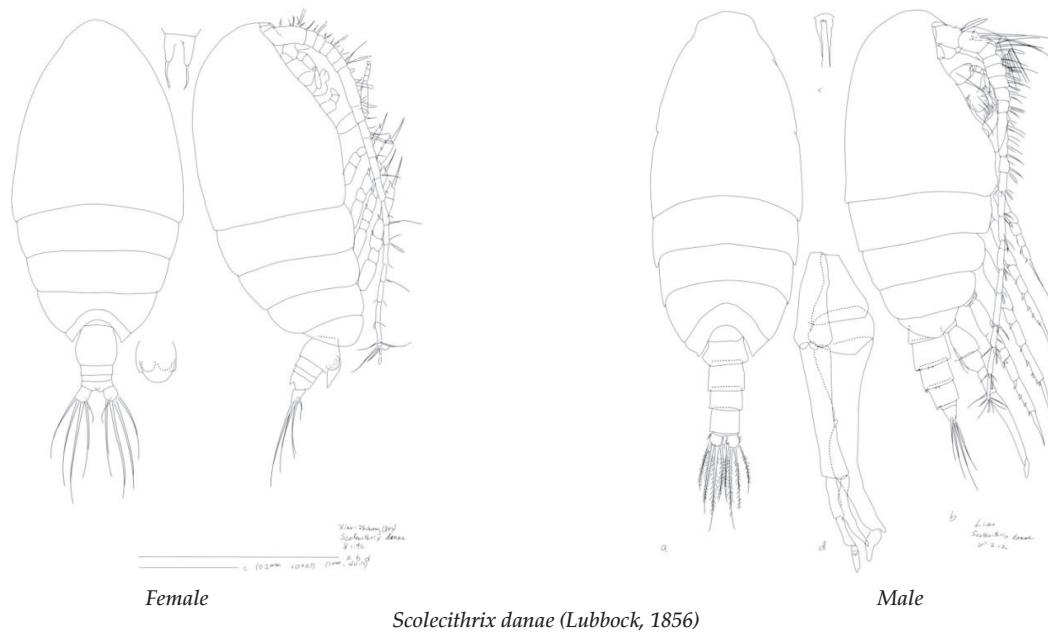


Scolecithrix bradyi Giesbrecht, 1888 (Size: female, 1.08–1.61 mm; male, 1.00–1.56 mm)



Original. *Scolecithrix bradyi* Giesbrecht, 1888, Female, 1.24 mm, East China Sea. a/b. habitus (dorsal/lateral); c. rostrum (anterior); d. leg 5 (posterior). Scales: a, b = 0.5 mm; c, d = 0.25 mm. Male, 1.33 mm, East of Taiwan (24°00'N, 122°07'E). a/b. habitus (dorsal/lateral); c. right caudal ramus (ventral); d. leg 5 (posterior). Scales: a, b = 0.5 mm; c = 0.2 mm; d = 0.5 mm.

Scolecithrix danae (Lubbock, 1856) (Size: female, 1.80–2.52 mm; male, 1.65–2.44 mm)



Original. *Scolecithrix danae* (Lubbock, 1856), Female, 1.92 mm, East of Taiwan: Zhibang ($22^{\circ}38'N$, $121^{\circ}05'E$): a/b. habitus (dorsal/lateral); c. rostral filaments (ventral); d. genital double-somite (ventral). Scales: a. b. d = 1 mm; c = 0.2 mm. Male, 2.12 mm, East China Sea. a/b. habitus (dorsal/lateral); c. rostral filaments (ventral); d. leg 5 (posterior).