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Supplement of

Holocene ostracod assemblages from the Co To Islands, northeastern Vietnam

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Synonym list

Class **OSTRACODA** Latreille, 1802

Order **PODOCOPIDA** Sars, 1866

Suborder **Podocopina** Sars, 1866

5 Family **Bairdiidae** Sars, 1866

Genus *Neonesidea* Maddocks, 1969

Neonesidea elegans s.l. (Brady, 1869)

Figure. 3 (1)

10 1869 *Bairdia elegans* Brady: 156, pl. 16, figs. 11, 12.

1869 *Bairdia subdeltoidea* (Münster); Brady: 155.

?1978 *Bairdia haikangensis* Guan in Hubei Institute of Geology and Science: 155, fig. 17; pl. 38. figs. 8-11.

?1981 *Bairdia haikangensis* Guan; Gou et al.: 148, pl. 74. figs. 1-4.

?1983 *Bairdia haikangensis* Guan; Gou et al.: 14, pl.1. figs. 1-9.

15 ?1985 *Neonesidea haikangensis* (Guan); Wang and Zhao: 82, fig. 16; pl. 6. figs. 4, 5.

?1985 *Neonesidea haikangensis* (Guan); Zhao et al.: 204, fig. 21; pl. 19. figs. 3, 4.

1986 *Neonesidea haikangensis* (Guan); Zhao et al.: pl. 2, figs. 5, 6.

1987 *Bairdia haikangensis* Guan; Cai and Chen: pl. 2, fig. 7.

1987 *Neonesidea haikangensis* (Guan); Wang Q. and Zhang: 290, pl. 1, figs. 2, 3.

20 1987a *Neonesidea elegans* (Brady); Whatley and Zhao: 24, pl. 1, figs. 3-7

1988 *Neonesidea haikangensis* (Guan); Ruan and Hao: pl. 34, figs. 3-7.

1989 *Bairdia haikangensis* Guan; Gou and Gong: pl. 164, fig. 1.

1990 *Neonesidea elegans* (Brady); Zhao and Wang: pl. 2, fig. 11.

2008 *Neonesidea haikangensis* (Guan); Hu and Tao: pl. 172, figs. 4, 5, 7, 8, 10-12; pl. 183, figs. 9, 12.

25 2011 *Neonesidea elegans* (Brady); Iwatani et al.: 280, fig. 5.4.

Family **Pontocyprididae** Müller, 1894

Genus *Propontocypris* Sylvester-Bradley, 1947

Propontocypris crocata Maddocks, 1969

30 Figure. 3 (4)

1969 *Propontocypris crocata* Maddocks: 11, text-figs. 11B, D-F, I-M.

- 1988 *Propontocypris crocata* Maddocks; Ruan and Hao: 245, pl. 36, figs. 7-11.
 1988 *Propontocypris* cf. *crocata* Maddocks; Ruan and Hao: 346, pl. 36, fig. 12.
 1988 *Propontocypris quasicrocata* Maddocks; Ruan and Hao: 246, pl. 36, figs. 3-6.
 ?2002 *Propontocypris crocata* Maddocks; Sridhar et al.: 35, pl. 4, fig. 13.
 5 ?2008 *Propontocypris crocata* Maddocks; Hu and Tao: pl. 98, fig. 18; pl. 184, figs. 3, 4.
 non
 2008 *Propontocypris crocata*; Hu and Tao: pl. 126, figs. 10, 14.

Family **Cushmanideidae** Puri, 1974 in Hartmann and Puri, 1974

Genus *Pontocythere* Dubovsky, 1939

Pontocythere miurensis (Hanai, 1959a)

Figure. 3 (6)

- 1959a *Cushmanidea miurensis* Hanai: 302, text-figs. 1a, 1b; pl. 16, figs. 7-10.
 15 1961 *Cushmanidea miurensis* Hanai; Hanai: 360, text-fig. 4A; figs. 1a, 1b.
 1968 *Cushmanidea miurensis* Hanai; Ishizaki: pl. 5, figs. 7, 8.
 1971 *Cushmanidea miurensis* Hanai; Ishizaki: pl. 2, fig. 15.
 1977a *Cushmanidea miurensis* Hanai; Hu: 87, pl. 3, fig. 22.
 1978 *Cushmanidea lenis* Guan; Hubei Institute of Geology and Science: pl. 66, figs. 1-4.
 20 1981 *Cushmanidea miurensis* Hanai; Gou et al.: pl. 79, fig. 5.
 1982 *Cushmanidea miurensis* Hanai; Cai: pl. 4, figs. 32, 33.
 1983 *Cushmanidea miurensis* Hanai; Gou et al.: pl. 6, figs. 25-32; pl.7, figs. 1-6.
 1985 *Pontocythere miurensis* (Hanai); Ikeya et al.: pl. 2, fig. 6.
 1986 *Pontocythere miurensis* (Hanai); Cheong et al.: 44, pl. 1, fig. 4.
 25 1986 *Pontocythere miurensis* (Hanai); Hu: 106, pl. 5, figs. 9, 17.
 1986 *Pontocythere subjaponica* (Hanai); Hu: 108, pl. 5, fig. 15.
 1987 *Cushmanidea subjaponica* Hanai; Wang Q. and Zhang: 290, pl. 1, fig. 16.
 1987 *Cushmanidea miurensis* Hanai; Zheng: pl. 3, figs. 12, 13.
 1990 *Pontocythere miurensis* (Hanai); Takayasu et al.: 145, pl. fig. 1.
 30 1992 *Cushmanidea subjaponica* Hanai; Ikeya and Suzuki: 133, pl. 7, fig. 9.
 1994 *Cushmanidea subjaponica* Hanai; Zheng: pl. 48, figs. 15-18.
 1998 *Pontocythere miurensis* (Hanai); Yamane: 55, pl. 10, fig. 1.
 2000 *Pontocythere miurensis* (Hanai); Irizuki and Hosoyama: 12, fig. 3.1.
 2001 *Pontocythere miurensis* (Hanai); Yasuhara and Irizuki: 89, pl. 9, figs. 17, 18.

- 2002 *Pontocythere miurensis* (Hanai); Nakao and Tsukagoshi: 77, fig. 5, A-D.
- 2004 *Pontocythere miurensis* (Hanai); Tanaka et al.: 60, pl. 1, fig. 3.
- 2005 *Pontocythere miurensis* (Hanai); Irizuki et al.: 41, fig. 3.4.
- 2007 *Sinopontocythere miurensis* (Hanai); Hou and Gou: pl. 109, figs. 1-4.
- 5 2008 *Pontocythere carpeta* (Hu); Hu and Tao: pl. 23, figs. 5, 9; pl. 42, figs. 1, 2, 4-6, 23; pl. 51, figs. 20, 21; pl. 100, figs. 13, 15, 20; pl. 112, figs. 2, 6; pl. 175, fig. 1; pl. 184, figs. 1, 2, 5; pl. 194, fig. 2; pl. 207, figs. 8, 11.
- 2008 *Pontocythere miurensis* (Hanai); Hu and Tao: pl. 23, fig. 7; pl. 42, fig. 19.
- 2009 *Pontocythere miurensis* (Hanai); Horikoshi et al.: 154, fig. 5.9.
- 2009 *Pontocythere miurensis* (Hanai); Tanaka et al.: 377, pl. 1, fig. 14.
- 10 2016 *Pontocythere miurensis* (Hanai); Matsushima et al.: fig. 6J.
- 2017 *Pontocythere miurensis* (Hanai); Kamiyama et al.: 125, fig. 3G.

non

1977a *Cushmanidea miurensis* Hanai; Hu: 87, pl. 3, figs. 8, 14, 18, 19.

2008 *Pontocythere miurensis* (Hanai); Hu and Tao: pl. 126, figs. 15, 18

15

***Pontocythere subjaponica* (Hanai, 1959a)**

Figure. 3 (7)

- 1959a *Cushmanidea subjaponica* Hanai: pl. 16, figs. 4-6.
- 20 1966 *Cushmanidea subjaponica* Hanai; Ishizaki: 138, pl. 17, fig. 4
- 1968 *Cushmanidea subjaponica* Hanai; Ishizaki: pl. 3, figs. 16, 17.
- 1969 *Cushmanidea subjaponica* Hanai; Ishizaki: pl. 26, fig. 17.
- 1971 *Cushmanidea subjaponica* Hanai; Igo and Ikeya: 203, fig. 12.
- 1971 *Cushmanidea subjaponica* Hanai; Ishizaki: pl. 2, fig. 18.
- 25 1976 *Cushmanidea formosa* Hu: 44, text-fig. 14; pl. 2, figs. 15, 17-21.
- 1977a *Cushmanidea formosa* Hu; Hu: 87, pl. 3, figs. 8, 14, 18, 19.
- 1977 *Cushmanidea subjaponica* Hanai; Okubo: 137, 139, figs. 2a-p, 3a-i.
- 1977a *Cushmanidea subjaponica* Hanai; Herrig: 1167, table 2, figs. 5, 6.
- 1978 *Cushmanidea subjaponica* Hanai; Hubei Institute of Geology and Science: pl. 65, figs. 20-22.
- 30 1978 *Cushmanidea formosa* Hu; Hu and Yeh: pl. 3, figs. 23-26.
- 1979 *Cushmanidea* sp.; Hu: 68, pl. 3, figs. 9, 14.
- 1981 *Cushmanidea subjaponica* Hanai; Gou et al.: pl. 79, figs. 27-29.
- 1982 *Cushmanidea subjaponica* Hanai; Hou et al.: 372, pl. 74, figs. 20-22.
- 1983 *Cushmanidea subjaponica* Hanai; Gou et al.: pl. 7, figs. 14-23.

- 1984 *Cushmanidea formosa* Hu; Hu: 124, pl. 8, figs. 9, 14, 16, 17.
- 1985 *Pontocythere subjaponica* (Hanai); Ikeya et al.: pl. 2, fig. 11.
- 1985 *Pontocythere subjaponica* (Hanai); Ishizaki and Matoba: pl. 6, fig. 2.
- ?1985 *Cushmanidea subjaponica* Hanai; Wang and Bian: 347, pl. 15, fig. 14.
- 5 1985 *Cushmanidea subjaponica* Hanai; Wang and Zhao: 339, pl.7, fig. 3.
- 1985 *Cushmanidea subjaponica* Hanai; Zhao et al.: 351, pl. 19, fig. 10.
- 1986 *Pontocythere subjaponica* (Hanai); Cheong et al.: 44, pl. 1, fig. 5.
- 1987b *Cushmanidea subjaponica* Hanai; Whatley and Zhao: 360, pl. 4, fig. 9.
- 1988 *Cushmanidea japonica* Hanai; Cai: pl. 2, fig. 16.
- 10 1988 *Cushmanidea japonica* Hanai; Ruan and Hao: pl. 43, figs. 18-20.
- 1988 *Cushmanidea japonica* Hanai; Wang et al.: 409, pl. 41, figs. 4, 5.
- 1988 *Pontocythere subjaponica* (Hanai); Yajima: 1076, pl. 1, fig. 8.
- 1988 *Cushmanidea japonica* Hanai; Zhao and Whatley: 165, pl. 1, fig. 6.
- 1989 *Pontocythere subjaponica* (Hanai); Ruan: pl. 1, fig. 8.
- 15 1990 *Pontocythere subjaponica* (Hanai); Tabuki and Nohara: 375, pl. 1, fig. 7.
- 1990 *Pontocythere subjaponica* (Hanai); Takayasu et al.: 145, pl. fig. 2.
- 1990 *Pontocythere subjaponica* (Hanai); Yajima and Lord: 158, figs. 8.10, 8.11.
- 1991 *Pontocythere subjaponica* (Hanai); Ikeya and Itoh: 142, fig. 21A.
- 1992 *Pontocythere subjaponica* (Hanai); Ikeya and Suzuki: 133, pl. 7, fig. 10.
- 20 1992 *Pontocythere subjaponica* (Hanai); Lee and Paik: 147, pl. 1, fig. 13.
- 1992 *Cushmanidea subjaponica* Hanai; Mostafawi: 145, table. 3, fig. 53.
- 1993 *Pontocythere subjaponica* (Hanai); Kamiya and Nakagawa: 123, pl. 1, figs. 7, 8.
- 1995 *Pontocythere subjaponica* (Hanai); Ozawa et al.: 31, pl. 1, fig. 18.
- 1996 *Pontocythere subjaponica* (Hanai); Ozawa: 114, pl. 8, fig. 4.
- 25 1998 *Pontocythere subjaponica* (Hanai); Irizuki et al.: 7, fig. 2.2.
- 1998 *Pontocythere subjaponica* (Hanai); Yamane: 55, pl. 10, fig. 2.
- 2000 *Pontocythere subjaponica* (Hanai); Irizuki and Hosoyama: 12, fig. 3.2.
- 2001 *Pontocythere subjaponica* (Hanai); Kamiya et al.: 103, fig. 18.14.
- 2001 *Pontocythere miurensis* (Hanai); Nakao et al.: 133, fig. 5.10.
- 30 2003 *Pontocythere subjaponica* (Hanai); Yamaguchi: 135, 149, figs. 1S, 10E.
- 2004 *Pontocythere subjaponica* (Hanai); Tanaka et al.: 60, pl. 1, fig. 4.
- 2005 *Pontocythere subjaponica* (Hanai); Ozawa and Kamiya: 258, pl. 1, fig. 2.
- 2007 *Sinopontocythere subjaponica* (Hanai); Hou and Gou: pl. 109, figs. 7-11.
- 2007 *Pontocythere subjaponica* (Hanai); Sasaki et al.: 524, fig. 5.9.

- 2008 *Pontocythere japonica* (Hanai); Hu and Tao: pl. 23, figs. 12, 13; pl. 80, fig. 6; pl. 100, fig. 3; pl. 184, figs. 4, 7.
- 2008 *Pontocythere mera* (Guan); Hu and Tao: pl. 41, fig. 21.
- 2008 *Pontocythere subjaponica* (Hanai); Hu and Tao: pl. 14, figs. 20, 22; pl. 41, figs. 11, 12, 15, 16; pl. 51, figs. 10, 18; pl. 80, figs. 1, 4; pl. 90, fig. 6; pl. 100, figs. 4, 6, 9-12; pl. 111, figs. 15, 21; pl. 112, fig. 5; pl. 133, fig. 5; pl. 137, figs. 8, 12, 16; pl. 157, figs. 18, 19, 21, 22; pl. 207, figs. 7, 14.
- 2008 *Pontocythere subtriangulata* (Hou); Hu and Tao: pl. 32, fig. 4
- 2009 *Pontocythere subjaponica* (Hanai); Horikoshi et al.: 154, fig. 5.10.
- 2009b *Pontocythere subjaponica* (Hanai); Irizuki et al.: 320, fig. 3.1.
- 2009 *Pontocythere subjaponica* (Hanai); Ozawa: 238, fig. 4.17.
- 2009 *Pontocythere subjaponica* (Hanai); Tanaka and Nomura, 62, fig. 4.20.
- 2010 *Pontocythere subjaponica* (Hanai); Ozawa: 35, pl. 4, fig. 2.
- 2011 *Pontocythere subjaponica* (Hanai); Irizuki et al.: 42, fig. 4.2.
- 2012c *Pontocythere subjaponica* (Hanai); Tanaka et al.: 9, fig. 4P.
- 2012 *Pontocythere subjaponica* (Hanai); Yamaguchi et al.: 112, fig. 3.14.
- 2014 *Pontocythere subjaponica* (Hanai); Schornikov and Zenina: 215, pl. 7, fig. 7.
- 2014 *Pontocythere subjaponica* (Hanai); Masuma and Yamada: 6, fig. 4.14.
- 2016 *Pontocythere subjaponica* (Hanai); Matsushima et al.: 14, fig. 6K.

non

- 2008 *Pontocythere subjaponica* (Hanai); Hu and Tao: pl. 51, fig. 13; pl. 80, fig. 17; pl. 126, figs. 23, 25.

Family **Cytheridae** Baird, 1850

Genus ***Cythere*** Müller, 1785

Cythere omotenipponica Hanai, 1959b

- Figure. 3 (8)

- 1959b *Cythere lutea omotenipponica* Hanai; Hanai: pl. 28, figs. 5a, 5b.
- 1966 *Cythere lutea omotenipponica* Hanai; Ishizaki: 137, pl. 17, figs. 9-12
- 1968 *Cythere lutea omotenipponica* Hanai; Ishizaki: pl. 3, figs. 7, 8.
- 1969 *Cythere lutea omotenipponica* Hanai; Ishizaki: pl. 26, fig. 9.
- 1970 *Cythere lutea omotenipponica* Hanai; Hanai: 710, 712-714, text-figs. 10A-E, 11A, 11E, 11J, 12A, 12N, 13B, 13D, 13D', 13F, 13H, 13H'.
- 1977b *Cythere simplex* Hu; Hu: 199, pl. 24, figs. 16, 17, 19, 20, 22, 23, 25; text-fig. 17.
- 1982 *Cythere simplexia* Hu; Hu: 178, pl. 4, figs. 9, 11.

- 1983 *Cythere omotenipponica* Hanai; Malz and Ikeya: 139, pl. 1, figs. 1-8.
- ?1984 *Cythere simplexia* Hu; Hu: 110, pl. 1, figs. 20, 24-27.
- 1985 *Pontocythere miurensis* (Hanai); Ikeya et al.: pl. 3, fig. 4.
- 1985 *Cythere lutea omotenipponica* Hanai; Zhao: 206, pl. 2, fig. 13.
- 5 1986 *Cythere simplexia* Hu; Hu: pl. 114, pl. 12, figs. 16, 22, 23, 25, 26.
- 1987 *Cythere omotenipponica* Hanai; Tsukagoshi and Ikeya, 202, figs. 4h, 5i, 9.1a, 9.1b.
- 1987 *Cythere lutea omotenipponica* Hanai; Wang Q. and Zhang: 290, pl. 1, figs. 33, 34.
- 1988 *Cythere omotenipponica* Hanai; Ikeya and Shiozaki: 137, pl. 3, figs. 1a, 1b.
- 1988 *Cythere omotenipponica* Hanai; Hanai: 22, text-figs. 3, 4.
- 10 1988 *Cythere lutea omotenipponica* Hanai; Wang et al.: 405, pl. 37, figs. 1-3.
- 1990 *Cythere omotenipponica* Hanai; Lee: 310, pl. 10, figs. 7-9.
- 1991 *Cythere omotenipponica* Hanai; Ikeya and Itoh: 135, fig. 14A.
- 1992 *Cythere omotenipponica* Hanai; Ikeya and Suzuki: 127, pl. 4, fig. 1.
- 1992 *Cythere omotenipponica* Hanai; Lee and Paik: 149, pl. 2, fig. 10.
- 15 1993 *Cythere omotenipponica* Hanai; Kamiya and Nakagawa: 125, pl. 2, fig. 10.
- 1994 *Cythere omotenipponica* Hanai; Zheng: pl. 49, fig. 17.
- 1996 *Cythere omotenipponica* Hanai; Tsukagoshi and Kamiya: 352, fig. 6.
- 1998 *Cythere omotenipponica* Hanai; Cao: pl. 2, figs. 15-20.
- 1998 *Cythere omotenipponica* Hanai; Irizuki et al.: 7, fig. 2.6.
- 20 1998 *Cythere omotenipponica* Hanai; Yamane: 43, pl. 4, fig. 5.
- 2001a *Cythere omotenipponica* Hanai; Irizuki et al.: 67, fig. 18.6.
- 2001 *Cythere omotenipponica* Hanai; Nakao et al.: 133, fig. 5.8.
- 2001 *Cythere omotenipponica* Hanai; Yasuhara and Irizuki: 79, pl. 4, figs. 15-17.
- 2004 *Cythere omotenipponica* Hanai; Tanaka et al.: 60, pl. 1, fig. 8.
- 25 2005 *Cythere omotenipponica* Hanai; Ishida and Takayasu: 76, fig. 2.7.
- 2007 *Cythere omotenipponica* Hanai; Hou and Gou: pl. 87, figs. 1-8.
- 2007 *Cythere omotenipponica* Hanai; Sasaki et al.: 524, fig. 5.16.
- 2008 *Cythere lutea omotenipponica* Hanai; Hu and Tao: pl. 43, figs. 12, 13, 15; pl. 101, figs. 9, 10, 20, 21; pl. 113, figs. 3.5; pl. 195, figs. 16, 20, 21; pl. 221, figs. 3, 15, 16, 18, 21.
- 30 ?2008 *Cythere lutea omotenipponica* Hanai; Hu and Tao: pl. 196, figs. 2, 3; pl. 209, fig. 21.
- 2008 *Cythere omotenipponica* Hanai; Yamada: 42, fig. 1A.
- 2009b *Cythere omotenipponica* Hanai; Irizuki et al.: 320, fig. 3.2.
- 2009 *Cythere omotenipponica* Hanai; Tanaka and Nomura: 61, fig. 3.19.
- 2012d *Cythere omotenipponica* Hanai; Tanaka et al.: 29, pl. 3, fig. 2.

2014 *Cythere omotenipponica* Hanai; Masuma and Yamada: 5, fig. 3.14.

2017 *Cythere omotenipponica* Hanai; Tsukagoshi: 16, fig. 3A.

Genus **Javanella** Kingma, 1948

5 ***Javanella kendengensis*** Kingma, 1948

Figure. 3 (9)

1948 *Javanella kendengensis* Kingma: pl. 10, figs. 6a, 6b, 6c.

1954 *Paradoxostoma* sp. Key [sic]: 357, pl. 3, fig. 9.

10 1969 *Javanella kendengensis* Kingma; McKenzie: 55, fig. 2.15.

1979 *Javanella kendengensis* Kingma; Keij: pl. 2, figs. 7, 8.

1982 *Pelliscustoma kendengensis* (Kingma); Cai: pl. 2, fig. 9.

1988 *Javanella kendengensis* Kingma; Gou and Chen: pl. 1, figs. 1-6; pl. 2, figs. 1-4, 8, 9.

1988 *Javanella kendengensis* Kingma; Zhao and Whatley: 165, pl. 1, fig. 8.

15 1991 *Javanella kendengensis* Kingma; Cai: pl. 7, figs. 15, 16.

1992 *Javanella kendengensis* Kingma; Mostafawi: 165, pl. 8, fig. 170.

?1993 *Javanella kendengensis* Kingma; Yassini et al.: 387, pl. 2, figs. 33-35.

1994 *Pelliscustoma kendengensis* (Kingma); Zheng: pl. 58, figs. 7, 8.

2007 *Javanella kendengensis* Kingma; Hou and Gou: pl. 164, figs. 1-10.

20 2008 *Javanella kendengensis* Kingma; Hu and Tao: pl. 167, fig. 20.

2009 *Javanella kendengensis* Kingma; Ramlan and Noraswana: 16, pl. 2, fig. 3.

non

1950 *Pellucistoma kendengensis* Kingma; van den Bold: pl. 18, fig. 6.

1957 *Pellucistoma kendengensis* Kingma; van den Bold: pl. 4, fig. 9.

25

Family **Leptocytheridae** Hanai, 1957

Genus ***Callistocythere*** Ruggieri, 1953

Callistocythere asiatica Zhao, 1984

Figure. 3 (10)

30

1968 *Callistocythere* sp. A; Ishizaki: pl. 6, fig. 5.

1984 *Callistocythere asiatica* Zhao: 56, pl. 1, figs. 11-15.

1987 *Callistocythere asiatica* Zhao; Wang Q. and Zhang: pl. 1, fig. 27.

1988 *Callistocythere asiatica* Zhao; Wang et al.: 406, pl. 38, figs. 15, 16.

- 1988 *Callistocythere asiatica* Zhao; Ruan and Hao: pl. 56, figs. 1, 2.
 1990 *Callistocythere asiatica* Zhao; Lee: 310, pl. 10, figs. 1-3.
 1998 *Callistocythere asiatica* Zhao; Cao: pl. 4, figs. 7, 8.
 2002a *Callistocythere asiatica* Zhao; Yasuhara et al.: 88, fig. 3.3.
 5 2006 *Callistocythere asiatica* Zhao; Irizuki et al.: 23, fig. 6.2.
 2007 *Callistocythere asiatica* Zhao; Hou and Gou: pl. 150, figs. 2-6.
 2008 *Callistocythere asiatica* Zhao; Hu and Tao: pl. 112, figs. 12, 20; pl. 195, figs. 6, 10, 11; pl. 221, figs. 4, 9, 10, 11, 13.

non

- 10 1985 *Callistocythere asiatica* Zhao; Zhao: 206, pl. 2, fig. 9.
 1987 *Callistocythere asiatica* Zhao; Wang Q. and Zhang: pl. 1, fig. 28.

Genus *Tanella* Kingma, 1948

Tanella gracilis Kingma, 1948

- 15 Figure. 3 (13)

- 1948 *Tanella gracilis* Kingma: 117, pl. 10, figs. 7a, 7b.
 1968 *Leptocythere? tosaensis* Ishizaki: pl. 5, figs. 19, 20.
 1971 *Tanella* cf. *gracilis* Kingma; Bate: 247, 249, pl. 1, fig. 1.ll; pl. 1, fig. 2.ll; pl. 2, fig. 1.ll; pl. 2, fig. 3.ll.
 20 1973 *Tanella gracilis* Kingma; Teeter: 51, figs. 2m-p.
 1977 *Tanella* aff. *gracilis* Kingma; Paik: 43, pl. 2, figs. 35-37.
 1978 *Tanella gracilis* Kingma; Hartmann: 184, 223, figs. 108-113; table. 4, fig. 4-13.
 1979 *Tanella gracilis* Kingma; Keij: pl. 1, figs. 7, 8.
 1978 *Tanella gracilis* Kingma; Jain: 93, pl. 2, figs. J2-J4.
 25 1980 *Tanella gracilis* Kingma; Hartmann: 178, 211, fig. 47; pl. 7, figs. 11-15, 16-18.
 1981 *Tanella gracilis* Kingma; Hartmann: 134, 152, figs., 4, 5; pl. 3, figs. 7-14.
 1982 *Jainella karwarensis* [sic] Kingma; Al-Abdul- Razzaq et al.: 67, fig. 7.
 1982 *Tanella gracilis* Kingma; Cai: 8, pl. 4, fig. 22.
 1988 *Tanella gracilis* Kingma; Cai: pl. 1, fig. 15.
 30 1988 *Tanella* sp. cf. *T. gracilis* Kingma; Whatley and Zhao: 29, pl. 6, figs. 5-6.
 1988 *Tanella gracilis* Kingma; Zhao and Whatley: 165, pl. 1, fig. 13.
 ?1989 *Tanella gracilis darwini* Howe and Mckenzie: 21, fig. 93.
 1989 *Tanella gracilis* Kingma; Whatley and Keeler: 79, 81, pl. 3, fig. 17; pl. 4, figs. 1-3.
 ?1989 *Tanella gracilis darwini* Howe and Mckenzie: 35, pl. 3, fig. 36.

- 1990 *Leptocythere? tosaensis* Ishizaki; Ruan: 133, pl. 1, fig. 22.
- 1991 *Tanella gracilis* Kingma; Cai: pl. 4, fig. 22.
- 1992 *Tanella gracilis* Kingma; Mostafawi: 141, pl. 2, fig. 141.
- 1993 *Tanella gracilis* Kingma; Witte: 59, pl. 4, figs. 13-15.
- 5 1993 *Tanella gracilis gracilis* Kingma; Yassini et al.: 389, pl. 3, figs. 48-52.
- 1994 *Tanella gracilis* Kingma; Zheng: pl. 59, fig. 3.
- 1995 *Tanella gracilis* Kingma; Yassini and Jones: 414, figs. 239, 240.
- 1997 *Tanella gracilis* Kingma; Kumar and Hussain: pl. 1, fig. 7.
- 1998 *Tanella gracilis* Kingma; Cao: pl. 4, figs. 5, 6; pl. 5, fig. 1.
- 10 1998 *Tanella gracilis* Kingma; Hussain: 20, pl. 1, fig. 18.
- 1999 *Tanella gracilis* Kingma; Al-Jumaily and Al-Sheikhly: 229, fig. 16.
- 1999 *Tanella gracilis* Kingma; Carbonel et al.: 129, pl. 4, fig. 9.
- 2000 *Tanella gracilis* Kingma; Hussain and Mohan: 30, pl. 1, fig. 10.
- 2002 *Tanella gracilis* Kingma; Sridher et al.: 25, pl. 2, fig. 2.
- 15 2003 *Tanella gracilis* Kingma; Arul et al.: pl. 1, figs. 5-6.
- 2004 *Tanella gracilis* Kingma; Helal and Abdel-Wahab: 84, pl. 1, fig. 6.
- 2004 *Tanella gracilis* Kingma; Montenegro et al.: 233, pl. 2, fig. 10.
- 2006 *Tanella gracilis* Kingma; Hussain et al.: 1663, fig. 6.5.
- 2007 *Tanella gracilis* Kingma; Gopalakrishna et al.: 64, pl. 1, fig. 14.
- 20 ?2007 *Tanella darwini* Howe and Mckenzie; Hou and Gou: pl. 148, figs. 3.
- 2007 *Tanella gracilis* Kingma; Hou and Gou: pl. 148, figs. 4-7.
- 2007 *Tanella gracilis* Kingma; Noraswana et al.: 147, pl. 2, figs. 10, 11.
- 2008 *Leptocythere gracilis* (Kingma); Hu and Tao: pl. 195, figs. 8, 9, 12.
- 2009 *Tanella gracilis* s.l. Kingma; Tanaka et al.: 377, pl. 1, fig. 3.
- 25 ?2010 *Tanella gracilis* Kingma; Elumalai et al.: 17, fig. 1.
- 2010 *Tanella gracilis* Kingma; Ganesan and Hussain: 109, fig. 3C.
- 2012 *Tanella gracilis* Kingma; Mohammed and Keyser: 293, figs. 7, 97-100.
- 2013 *Tanella gracilis* Kingma; Baskar et al.: 203, fig. 3.5.
- 2013a *Tanella gracilis* Kingma; Hussain et al.: 203, fig. 3e.
- 30 2013b *Tanella gracilis* Kingma; Hussain et al.: 216, pl. 1, fig. 10.
- 2014 *Tanella gracilis* Kingma; Iwatani et al.: 515, text-fig. 4, 19.
- 2014 *Tanella gracilis* Kingma; Yamada et al.: 108, fig. 4I.
- 2015 *Tanella gracilis* Kingma; Mahalakshmi and Hussain: 273, pl. 1, fig. 9.
- 2017 *Tanella gracilis* Kingma; Hong et al.: 58, fig. 8.38.

2017 *Tanella gracilis* Kingma; Hussain: 153, pl. 1, fig. 7.

2018 *Tanella gracilis* Kingma; Ebtesam: 66, figs. 6e, 6f.

Tanella sp.

Figure. 3 (14)

5

2009 *Tanella* sp.; Tanaka et al.: 377, pl. 1, fig. 6.

Family Hemicysteridae Puri, 1953

Genus *Aurila* Pokorný, 1955

Aurila cymba (Brady, 1869)

Figure. 3 (16)

10

1869 *Cythere cymba* Brady: pl. 16, figs. 1-4, 10.

1880 *Cythere cymba* Brady; Brady: pl. 20, figs. 5a-f

15 1968 *Aurila miii* Ishizaki: pl. 2, fig. 9; pl. 4, figs. 1, 2.

1969 *Aurila miii* Ishizaki; Ishizaki: pl. 25, fig. 13

1971 *Aurila miii* Ishizaki; Ishizaki: pl. 2, fig. 1.

1980a *Aurila miii* Ishizaki; Wang et al.: pl. 7, fig. 4.

1981 *Aurila miii* Ishizaki; Gou et al.: 161, pl. 91, fig. 4.

20 1982 *Aurila miii* Ishizaki; Hou et al.: 373, pl. 75, figs. 1-10.

1983 *Aurila miii* Ishizaki; Gou et al.: 55, pl. 18, figs. 11-16.

1985 *Aurila miii* Ishizaki; Huang: pl. 1, fig. 11.

1985 *Aurila cymba* Brady; Ishizaki and Matoba: pl. 1, fig. 11.

1986 *Aurila miii* Ishizaki; Zheng: pl. 1, figs. 30, 31.

25 1987 *Aurila miii* Ishizaki; Zheng: 196, pl. 4, figs. 1-9.

1987a *Aurila cymba* (Brady); Whatley and Zhao: 28, pl. 2, figs. 9-12.

1987 *Aurila cymba* (Brady); Wang Q. and Zhang: 291, pl. 2, fig. 9.

1988 *Aurila cymba* (Brady); Ruan and Hao: 309, pl. 54, figs. 11-15.

1988 *Aurila cymba* (Brady); Wang Q. et al.: 103, pl. 1, fig. 32.

30 ?1989 *Aurila miii* Ishizaki; Ruan: pl. 1, fig. 14.

1990 *Aurila cymba* (Brady); Gou: 27, pl. 2, fig. 21.

1990 *Aurila cymba* (Brady); Lee: 320, pl. 15, figs. 1-3.

1990 *Aurila cymba* (Brady); Takayasu et al.: 145, pl. 1, fig. 9.

1990 *Aurila cymba* (Brady); Zhao and Wang: pl. 1, fig. 19.

- 1992 *Aurila cymba* (Brady); Lee and Paik: 151, pl. 3, fig. 4.
 1994 *Aurila cymba* (Brady); Zheng: pl. 45, figs. 11-13.
 1998 *Aurila cymba* (Brady); Cao: pl. 1, figs. 16, 21.
 ?1998 *Aurila cymba* (Brady); Yamane: 37, pl. 1, figs. 5a-5d.
- 5 1998 *Aurila cymba* (Brady); Irizuki et al.: 7, fig. 2.9.
 2000 *Aurila cymba* (Brady); Gou: pl. 14, fig. 14.
 2000 *Aurila cymba* (Brady); Irizuki and Hosoyama: 12, fig. 3.8.
 2002 *Aurila cymba* (Brady); Irizuki et al.: 39, pl. 1, figs. 7, 8.
 2003a *Aurila cymba* (Brady); Irizuki et al.: 13, pl. 1, fig. 3.
- 10 2005 *Aurila cymba* (Brady); Irizuki et al.: 41, fig. 3.14.
 2006 *Aurila cymba* (Brady); Irizuki et al.: 23, fig. 6.7.
 2007 *Aurila cymba* (Brady); Hou and Gou: pl. 131, figs. 1-8.
 2008 *Aurila miii* Ishizaki; Hu and Tao: pl. 175, figs. 21, 22; pl. 210, fig. 3; pl. 217, fig. 17.
 ?2008 *Aurila miii* Ishizaki; Hu and Tao: pl. 65, figs. 10-12; pl. 209, fig. 18.
- 15 2008 *Aurila cymba* (Brady); Irizuki et al.: 295, fig. 7.
 2015b *Aurila cymba* (Brady); Irizuki et al.: 153, fig. 4.7.

non

- 1980c *Aurila miii* Ishizaki; Wang et al.: pl. 11, fig. 20
- 20 1998 *Aurila cymba* (Brady); Cao: pl. 1, figs. 14, 15, 17-20.
 2008 *Aurila miii* Ishizaki; Hu and Tao: pl. 65, figs. 6, 8; pl. 210, fig. 4; pl. 218, fig. 19.

Aurila hataii Ishizaki, 1968

Figure. 3 (17)

- 25
- 1954 *Cythere villosa* Baird; Imanishi: 90, fig. 2.
 1968 *Aurila hataii* Ishizaki: pl. 1, figs. 5, 6; pl. 4, figs. 5, 6.
 1971 *Aurila* cf. *hataii* Ishizaki; Ishizaki: pl. 2, figs. 2, 3.
 1980 *Aurila hataii* Ishizaki; Okubo: 401, 407, 408, 410, figs. 3, 7g-j, 10a-f.
- 30 1984 *Aurila kianfascisma* Hu; Hu: 115, pl. 3, figs. 1-10.
 1985 *Aurila hataii* Ishizaki; Ikeya et al.: pl. 4, figs. 1, 2.
 1985 *Aurila hataii* Ishizaki; Ishizaki and Matoba: pl. 1, fig. 12.
 1987 *Aurila uranouchiensis* Ishizaki; Wang Q. and Zhang: 291, pl. 2, fig. 8.
 1990 *Aurila miii* ishizaki; Ruan: 133, pl. 1, fig. 13.

- 1990 *Aurila hataii* Ishizaki; Lee: 316, pl. 13, figs. 7, 10, 11.
1991 *Aurila hataii* Ishizaki; Ikeya and Itoh: 131, fig. 10D.
1992 *Aurila hataii* Ishizaki; Ikeya and Suzuki: 123, pl. 2, fig. 4.
1992 *Aurila hataii* Ishizaki; Lee and Paik: 151, pl. 3, fig. 10.
5 1993 *Aurila hatai* [sic] Ishizaki; Kamiya and Nakagawa: 127, pl. 3, fig. 5.
1994 *Aurila hataii* Ishizaki; Zheng: pl. 45, figs. 9, 10, 14, 15.
1998 *Aurila cymba* (Brady); Cao: pl. 1, figs. 14, 15, 17, 19.
2001 *Aurila hataii* Ishizaki; Kamiya et al.: 93, fig. 13.1.
2001 *Robustaurila ishizakii* (Okubo); Nakao et al.: 133, fig. 5.1.
10 2007 *Aurila hataii* Ishizaki; Hou and Gou: pl. 131, figs. 16-18; pl. 133, fig. 1.
2008 *Aurila hataii* Ishizaki; Hu and Tao: pl. 65, figs. 2, 4, 7, 9; pl. 113, figs. 14, 17-20; pl. 128, figs. 2, 4, 6; pl. 221, figs. 14,
22
2008 *Aurila imotoi* Ishizaki; Hu and Tao: pl. 65, fig. 15.
2008 *Aurila miii* ishizaki; Hu and Tao: pl. 218, figs. 1, 4.
15 2008 *Aurila uranouchiensis*; Hu and Tao: pl. 184, figs. 11, 13-16.
2009b *Aurila hataii* Ishizaki; Irizuki et al.: 320, fig. 3.7.
2009 *Aurila hataii* Ishizaki; Tanaka and Nomura: 61, fig. 3.6.
2010 *Aurila hataii* Ishizaki; Ozawa and Domitsu: 4, fig. 3.6.
2017 *Aurila hataii* Ishizaki; Tsukagoshi: 16, fig. 3F.
20
non
2008 *Aurila hataii* Ishizaki; Hu and Tao: pl. 25, fig. 21; pl. 35, fig. 2; pl. 44, figs. 4, 5, 7-10; pl. 65, fig. 3; pl. 113, figs. 15,
16; pl. 126, figs. 3, 5; pl. 221, fig. 17

25
Genus *Caudites* Coryell and Fields, 1937
Caudites huyeni Tanaka, Komatsu and Phong, 2009
Figure. 4 (1)

2009 *Caudites huyeni*; Tanaka, Komatsu and Phong: 375, 381, text-fig. 6; pl. 3, figs. 1-22.

30
Genus *Robustaurila* Yajima, 1982
Robustaurila splendideornata (Hartmann, 1974).
Figure. 4 (3)

- 1954 *Hemicythere packkardi* (Brady); Key: 355, pl. 2, fig. 1.2.
1974 *Mutilus splendideornatus* Hartmann, 417, 418, pl. 49, figs. 375-381; pl. 50, figs. 382-384; pl.150, fig. 9.
1978 *Mutilus splendideornatus* australiensis (Hartmann); Hartmann: 99, 227, figs. 223-230; pl. 99, figs. 10-16.
1979 *Radimella virgata* (Hu); Hu: 63, pl.1, figs. 18-20, 22.
5 1981b *Radimella virgata* (Hu); Hu: 88, pl. 3, figs. 1, 5, 6.
1985 *Radimella virgata* (Hu); Zhao et al.: 352, pl. 20, fig. 5.
1986 *Sinoradimella microcostata* Hu and Tao: 56, pl. 2, figs. 1-3; figs. 2.2, 2.3.
1989 *Mutilus curvicostatus* Howe and McKenzie: 39, figs. 116, 161.
1989 *Mutilus splendideornatus* Hartmann, Howe and McKenzie: 38, figs. 111-113.
10 ?1989 *Mutilus splendideornatus* Hartmann, Whatley and Keeler: 79, pl. 3, figs. 1-3.
?1990 *Radimella minor* (Hu); Ruan: 133, pl. 1, fig. 21.
?1990 *Radimella* cf. *virgata* (Hu); Tabuki and Nohara: 377, pl. 2, fig. 2.
1990 *Robustaurila splendideornatus australiensis* (Hartmann); Gou: 27, pl. 2, figs. 26, 27.
1992 *Mutilus australiensis* Hartmann; Mostafawi: 144, pl. 3, fig. 54.
15 2005 *Auradilus australiensis* Hartmann; Mostafawi et al.: 128, pl. 2, figs. 4, 5.
2006 *Mutilus splendideornatus* Hartmann; Warne et al.: 119, pl. 4, figs. 4-6.
2007 *Robustaurila australiensis* (Hartmann); Hou and Gou: pl. 136, figs. 6-8; pl. 196, fig. 19.
2008 *Sinoradimera virgata* (Hu); Hu and Tao: pl. 67, fig. 19; pl. 176, figs. 3, 6, 9, 15;
2012 *Mutilus splendideornatus* Hartmann; Mohammed and Keyser: 261, figs. 6.73-76.

20

Family Loxoconchidae Sars, 1925

Genus *Loxoconcha* Sars, 1866

Loxoconcha japonica Ishizaki, 1968

25

Figure. 4 (5)

- 1913 *Loxoconcha impressa* (Baird); Kajiyama: pl. 1, figs. 50, 51.
1968 *Loxoconcha japonica* Ishizaki: pl. 2, fig. 1; pl. 6, figs. 10-12.
1971 *Loxoconcha japonica* Ishizaki; Ishizaki: pl. 3, fig. 21.
30 1979 *Loxoconcha japonica* Ishizaki; Hu: 69, 70, pl. 2, figs. 32-37; text-fig. 2.
1980 *Loxoconcha japonica* Ishizaki; Okubo: 416-418, figs. 12, 13, 18a-d.
1981a *Loxoconcha japonica* Ishizaki; Hu: 77, pl. 3, figs. 1-4, 8, text-fig. 14.
1981a *Loxoconcha shanhaiensis* Hu; Hu: 76, pl. 3, figs. 5, 9, 11; text-figs. 13A, 13B.
1982 *Loxoconcha shanhaiensis* Hu; Hu: 180, 182, pl. 2, fig. 23.

- 1983 *Loxococoncha japonica* Hu; Hu: 156, 157, pl. 2, figs. 3, 4, 6, 7.
- 1984 *Loxococoncha japonica* Hu; Hu: 116, pl. 4, figs. 24-26.
- 1984 *Loxococoncha shanghaiensis* Hu; Hu: 116, pl. 3, figs. 21-23, 27.
- 1986 *Loxococoncha japonica* Hu; Hu: 162, pl. 4, figs. 22, 28, 30, 31.
- 5 1986 *Loxococoncha japonica* Hu; Hu and Tao: 62, pl. 3, figs. 22, 23, 26.
- 1986 *Loxococoncha shanghaiensis* Hu; Hu and Tao: 62, pl. 3, figs. 20, 24, 25.
- 1987 *Loxococoncha sinensis* Brady; Wang Q. and Zhang: 290, pl. 1, fig. 20.
- 1988 *Loxococoncha tumulosum* Hu; Cai: pl. 2, fig. 13.
- 1988 *Loxococoncha japonica* Ishizaki; Ikeya and Shiozaki: 139, pl. 4, figs. 1a, 1b.
- 10 1988a *Loxococoncha japonica* Ishizaki; Kamiya: 307, 308, 310, 311, 313-316; pl. 1, figs. 1-7; text-figs. 4, 5, 7, 8, 10, 11, 13.
- 1988b *Loxococoncha japonica* Ishizaki; Kamiya: 319, pl. 1, figs. 1-6.
- 1988c *Loxococoncha japonica* Ishizaki; Kamiya: pl. 1, figs. 9-16.
- 1988 *Loxococoncha japonica* Ishizaki; Ruan and Hao: 323, pl. 57, figs. 11-13.
- 1989a *Loxococoncha japonica* Ishizaki; Kamiya: 39-41, 43-45, pl. 1, figs. 1, 2, 5-8, 13, 14, 17; pl. 2, figs. 1-3, 10; figs. 1-8.
- 15 1989b *Loxococoncha japonica* Ishizaki; Kamiya: figs. 3, 4, 6, 7, 9, 11, 12.
- 1990 *Loxococoncha japonica* Ishizaki; Lee: 358, pl. 34, figs. 3, 4.
- 1990 *Loxococoncha japonica* Ishizaki; Ruan: 134, pl. 2, fig. 3.
- 1991 *Loxococoncha japonica* Ishizaki; Cai: 122, pl. 7, fig. 12.
- 1992 *Loxococoncha japonica* Ishizaki; Ikeya and Suzuki: 129, pl. 5, fig. 9.
- 20 1992 *Loxococoncha japonica* Ishizaki; Kamiya and Hazel: 160-163, figs. 1, 3, 4; pl. 1.
- 1993 *Loxococoncha japonica* Ishizaki; Kamiya and Nakagawa: 131, pl. 5, figs. 11, 12.
- 1994 *Loxococoncha japonica* Ishizaki; Zheng: pl. 53, fig. 13.
- 1996 *Loxococoncha japonica* Ishizaki; Ozawa: 112, pl. 6, fig. 5.
- 1998 *Loxococoncha japonica* Ishizaki; Cao: pl. 3, figs. 16-19.
- 25 1998 *Loxococoncha japonica* Ishizaki; Irizuki et al.: 8, fig. 3.5.
- 1998 *Loxococoncha japonica* Ishizaki; Yamane: pl. 5, fig. 2.
- 2001 *Loxococoncha japonica* Ishizaki; Kamiya et al.: 101, fig. 17.9.
- 2001 *Loxococoncha cf. japonica* Ishizaki; Tabuki, 33, fig. 10.1.
- 2001 *Loxococoncha japonica* Ishizaki; Yasuhara and Irizuki: pl. 6, fig. 12.
- 30 2002 *Loxococoncha japonica* Ishizaki; Tanaka: 26, figs. 1c, 1d
- 2002 *Loxococoncha japonica* Ishizaki; Tanaka and Ikeya: 66, 270-272, 274, fig. 1; figs. 3.1-3.6, 5A, 5a, 7A, 9.1, 9.2.
- 2003 *Loxococoncha japonica* Ishizaki; Smith and Kamiya: 33, 34, 36-39, 41, 42, 44-49, figs. 1-14.
- 2005 *Loxococoncha japonica* Ishizaki; Ishii et al.: 83, 89-92, fig. 1A; figs. 4-7.
- 2005 *Loxococoncha japonica* Ishizaki; Smith et al.: 141, fig. 2.

- 2006 *Loxoconcha japonica* Ishizaki; Irizuki et al.: 25, fig. 8.2.
- 2007 *Loxoconcha japonica* Ishizaki; Hou and Gou: pl. 155, figs. 13, 14.
- 2007 *Loxoconcha japonica* Ishizaki; Sasaki et al.: 524, fig. 5.18.
- 2008 *Loxoconcha hsiyü* Hu and Tao: pl. 49, fig. 24; pl. 73, figs. 1, 3, 6, 17; pl. 122, fig. 1; pl. 131, figs. 5, 8; pl. 135, fig. 3;
5 pl. 151, fig. 10; pl. 155, figs. 6, 7, 9; pl. 167, fig. 14; pl. 180, figs. 12, 16, 20; pl. 202, figs. 6, 7, 15; pl. 215, fig. 1
- ?2008 *Loxoconcha hsiyü* Hu and Tao: pl. 30, fig. 9.
- 2008 *Loxoconcha japonica* Ishizaki; Hu and Tao: pl. 73, figs. 2, 5, 12, 24; pl. 122, fig. 2; pl. 131, figs. 6, 7; pl. 151, figs. 12-
14; pl. 155, fig. 5; pl. 180, figs. 5, 13, 15, 19; pl. 202, figs. 3, 13, 20.
- 2009 *Loxoconcha japonica* Ishizaki; Tanaka and Nomura: 62, fig. 4.3.
- 10 2010 *Loxoconcha japonica* Ishizaki; Kaji and Tsukagoshi: 358, fig. 5C, 5K.
- 2010 *Loxoconcha japonica* Ishizaki; Morishita et al.: 539, fig. 11.
- 2012a *Loxoconcha japonica* Ishizaki; Tanaka et al.: 117, pl. 1, fig. 11.
- 2013 *Loxoconcha japonica* Ishizaki; Kawano et al.: 96, fig. 5.7.
- 2014 *Loxoconcha japonica* Ishizaki; Masuma and Yamada: 5, fig. 3.24.
- 15 2017 *Loxoconcha japonica* Ishizaki; Tsukagoshi: 16, 20, figs. 2D, 8.1.2.
- non
- 2008 *Loxoconcha japonica* Ishizaki; Hu and Tao: pl. 151, figs. 1, 2; pl. 155, figs. 15, 17.

Loxoconcha malayensis Zhao and Whatley, 1989

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Figure. 4 (6)

- 1981 *Loxoconcha nozokiensis* Ishizaki; Gou et al.: 166, pl. 81, figs. 4, 20; pl. 91, fig. 10.
- 1988 *Loxoconcha nozokiensis* Ishizaki; Cai: pl. 2, fig. 5.
- 1988 *Loxoconcha kattoi* Ishizaki; Ruan and Hao: 323, pl. 57, figs. 14-16.
- 25 1989 *Loxoconcha malayensis* Zhao and Whatley: 175 pl. 1, figs. 15-18; pl. 2, fig. 1
- 2007 *Loxoconcha malayensis* Zhao and Whatley; Hou and Gou: pl. 153, fig. 17; pl. 155, fig. 19.
- ?2008 *Loxoconcha sinensis* (Brady); Hu and Tao: pl. 8, fig. 20.
- ?2008 *Loxoconcha viva* (Ishizaki); Hu and Tao: pl. 50, fig. 4.
- 2011 *Loxoconcha malayensis* Zhao and Whatley; Tanaka et al.: 84, fig. 6A.

30

Loxoconcha uranouchiensis Ishizaki, 1968

Figure. 4 (7)

- 1968 *Loxoconcha uranouchiensis* Ishizaki: pl. 7, figs. 2, 3.

- 1969 *Loxoconcha uranouchiensis* Ishizaki; Ishizaki: pl. 26, fig. 15.
- 1971 *Loxoconcha uranouchiensis* Ishizaki; Ishizaki: pl. 3, fig. 17.
- ?1977b *Loxoconcha uranouchiensis* Ishizaki; Herrig, 1261, 1267, fig. 6; pl. 2, figs. 3, 4.
- 1978 *Loxoconcha uranouchiensis* Ishizaki; Guan in Hubei Institute of Geology and Science: 280, pl. 73, figs. 8-10.
- 5 1980 *Loxoconcha uranouchiensis* Ishizaki; Okubo: 421, 427, figs. 15, 19a-f.
- 1981 *Loxoconcha uranouchiensis* Ishizaki; Gou et al.: 166, pl. 81, figs. 11, 12.
- 1985 *Loxoconcha uranouchiensis* Ishizaki; Ishizaki and Matoba: pl. 5, fig. 1.
- 1988 *Loxoconcha uranouchiensis* Ishizaki; Ikeya and Shiozaki: 139, pl. 4, figs. 4a, 4b.
- 1988a *Loxoconcha uranouchiensis* Ishizaki; Kamiya: 307, 308, 310-313, 315, 316, pl. 1, figs. 1-7; text-figs. 4, 5, 7, 8, 9, 11,
10 13.
- 1988b *Loxoconcha uranouchiensis* Ishizaki; Kamiya: 319, pl. 1, figs. 7-12.
- 1988c *Loxoconcha uranouchiensis* ishizaki; Kamiya: 345, pl. 1, figs. 1-8.
- 1988 *Loxoconcha uranouchiensis* Ishizaki; Ruan and Hao: 326, pl. 58, figs. 1-4.
- 1989a *Loxoconcha uranouchiensis* Ishizaki; Kamiya: 39-41, 43-45, pl. 1, figs. 3, 4, 9-12, 15, 16, 18, 19; pl. 2, 4-9, 11; figs.
15 1-8.
- 1989b *Loxoconcha uranouchiensis* Ishizaki; Kamiya: 79, 81, 82, figs. 4.3.4, 6, 7.
- 1990 *Loxoconcha sinensis* (Brady); Ruan: 134, pl. 2, fig. 4.
- 1990 *Loxoconcha viva* (Ishizaki); Ruan: 134, pl. 2, fig. 5.
- 1990 *Loxoconcha uranouchiensis* Ishizaki; Takayasu et al.: 145, pl. fig. 15.
- 20 1991 *Loxoconcha uranouchiensis* Ishizaki; Ikeya and Itoh: 139, fig. 18A.
- 1992 *Loxoconcha uranouchiensis* Ishizaki; Ikeya and Suzuki: 131, pl. 6, fig. 4.
- 1992 *Loxoconcha uranouchiensis* Ishizaki; Kamiya and Hazel: 160, 162, 164, 165, figs. 1, 3, 5; pl. 2.
- 1993 *Loxoconcha uranouchiensis* Ishizaki; Kamiya and Nakagawa: 133, pl. 6, fig. 8.
- 1998 *Loxoconcha uranouchiensis* Ishizaki; Irizuki et al.: 8, fig. 3.8.
- 25 1998 *Loxoconcha uranouchiensis* Ishizaki; Yamane: 47, pl. 6, fig. 7.
- 1998 *Loxoconcha uranouchiensis* Ishizaki; Tanaka et al.: 91, pl. 1, fig. 16.
- 2000 *Loxoconcha uranouchiensis* Ishizaki; Irizuki and Hosoyama: 12, fig. 3.17.
- 2001 *Loxoconcha uranouchiensis* Ishizaki; Kamiya et al.: 103, fig. 18.7.
- 2001 *Loxoconcha uranouchiensis* Ishizaki; Nakao et al.: 133, fig. 5.16.
- 30 2001 *Loxoconcha uranouchiensis* Ishizaki; Tabuki: 39, fig. 14.6.
- 2001 *Loxoconcha uranouchiensis* Ishizaki; Yasuhara and Irizuki: 85, pl. 7, figs. 1.2.
- 2002 *Loxoconcha uranouchiensis* Ishizaki; Irizuki et al.: 39, pl. 1, fig. 18.
- 2002b *Loxoconcha uranouchiensis* Ishizaki; Yasuhara et al.: 635, fig. 3.8.
- 2002 *Loxoconcha uranouchiensis* Ishizaki; Tanaka and Ikeya: 266, fig. 1.

- 2004 *Loxoconcha uranouchiensis* Ishizaki; Irizuki: 77, pl. 3, fig. 3.
- 2004 *Loxoconcha uranouchiensis* Ishizaki; Yasuhara et al.: 31-33, figs. 13, 15.
- 2005 *Loxoconcha uranouchiensis* Ishizaki; Irizuki et al.: 42, fig. 4.15.
- 2005 *Loxoconcha uranouchiensis* ishizaki; Ishii et al.: 83, fig. 1B.
- 5 2006 *Loxoconcha uranouchiensis* Ishizaki; Irizuki et al.: fig. 8.7.
- 2007 *Loxoconcha uranouchiensis* Ishizaki; Hou and Gou: pl. 153, fig. 9; pl. 169, fig. 20, 21.
- 2007 *Loxoconcha uranouchiensis* Ishizaki; Sasaki et al.: 524, fig. 5.27.
- 2008 *Loxoconcha prunulla* Hu and Tao: pl. 142, figs. 13, 17; pl. 150, fig. 3.
- 2008 *Loxoconcha pashihaiensis* Hu; Hu and Tao: pl. 203, figs. 3-6.
- 10 2008 *Loxoconcha uranouchiensis* Ishizaki; Irizuki et al.: 295, fig. 7; pl. 219, figs. 11, 14, 16.
- 2008 *Loxoconcha uranouchiensis* Ishizaki; Nakao et al.: 281, fig. 3F.
- 2009 *Loxoconcha uranouchiensis* Ishizaki; Horikoshi et al.: 154, fig. 5.7.
- 2012c *Loxoconcha uranouchiensis* Ishizaki; Tanaka et al.: 9, fig. 4I.
- 2012d *Loxoconcha uranouchiensis* Ishizaki; Tanaka et al.: 28, pl. 2, fig. 8.
- 15 2014 *Loxoconcha uranouchiensis* Ishizaki; Masuma and Yamada: 6, fig. 4.2.
- 2014 *Loxoconcha uranouchiensis* Ishizaki; Schornikov and Zenina: 221, pl. 6, figs. 7, 8.
- 2014 *Loxoconcha uranouchiensis* Ishizaki; Tabuki and Nakanishi: 264, pl. fig. 7.
- 2017 *Loxoconcha uranouchiensis* Ishizaki; Tsukagoshi: 20, fig. 8.3, 4.
- 20 non
- 1987 *Loxoconcha uranouchiensis* Ishizaki; Cai and Chen: pl. 2, fig. 2.
- 1987 *Loxoconcha uranouchiensis* Ishizaki; Wang Q. and Zhang: 290, pl. 1, fig. 23.
- 1990 *Loxoconcha uranouchiensis* Ishizaki; Tabuki and Nohara: 377, pl. 2, fig. 9.
- 2008 *Loxoconcha uranouchiensis* Ishizaki; Hu and Tao: pl. 39, fig. 20.
- 25 ?2008 *Loxoconcha uranouchiensis* Ishizaki; Hu and Tao: pl. 30, figs. 23, 25; pl. 31, figs. 3, 6; pl. 40, figs. 6, 19; pl. 58, fig. 2.

Loxoconcha vietnamensis Tanaka, Komatsu and Phong, 2009

Figure. 4 (8)

- 30 2009 *Loxoconcha vietnamensis* Tanaka, Komatsu and Phong: 373, 377, 379, text-fig. 5; pl. 1, fig. 5; pl. 2, figs. 23-33, 34-44.

Family Trachyleberididae Sylvester-Bradley, 1948
Genus *Bicornucythere* Schornikov and Shaytarov, 1979

Bicornucythere bisanensis (Okubo, 1975)

Figure. 4 (9)

- 1866 *Cythere hodgii* (Brady); Brady: 373, pl. 59, figs. 3a, 3b.
- 5 1880 *Cythere hodgii* (Brady); Brady: pl. 25, figs. 1a-1d.
- 1913 *Cythereis hodgei* [sic] (Brady); Kajiyama: pl. 1, figs. 70, 71.
- 1968 *Leguminocythereis hodgii* (Brady); Ishizaki: pl. 5, figs. 3, 4.
- 1969 *Leguminocythereis hodgii* (Brady); Ishizaki: pl. 25, fig. 15; pl. 26, fig. 7.
- 1971 *Leguminocythereis hodgii* (Brady); Ishizaki: pl. 3, figs. 6, 7.
- 10 ?1971 *Trachyleberis discreta* Schneider: 260, figs. c, d.
- 1972 *Leguminocythereis hodgii* (Brady); Ishizaki: 700, 709, 711, fig. 2; pl. 7, figs. 1-13; pl. 8, figs. 1-10.
- 1975 *Leguminocythereis? hodgii* (Brady); Ishizaki: 249, 253, 260, pl. 1, 2; text-fig. 2.
- 1975 *Leguminocythereis bisanensis* Okubo: 26, figs. 2, 3.
- 1977a *Leguminocythereis taiwanensis* Hu: 97, pl. 1, figs. 1-4, 9, 22; text-fig. 15.
- 15 1977b *Leguminocythereis elongatus* (Hu): Hu: 196, pl. 24, figs. 18, 24, 26; text-figs. 1, 2.
- 1978 *Leguminocythereis hodgii* (Ishizaki); Guan in Hubei Institute of Geology and Science: 258, pl. 68, figs. 11, 12.
- ?1978 *Leguminocythereis fava* Hu: 153, fig. 2; pl. 1, figs. 1-3.
- 1979 *Bicornucythere bisanensis* (Okubo) Schornikov and Shaytarov: 45, pl. 3, figs. 1-6; text-figs. 1, 2.
- 1980a *Leguminocythereis hodgii* (Ishizaki); Wang et al.: pl. 7, fig. 5.
- 20 ?1980b *Leguminocythereis hodgii* (Ishizaki); Wang et al.: pl. 10, fig. 5.8.
- 1980 *Leguminocythereis hodgii* (Ishizaki); Laboratory of Micropaleontology Department of Marine Geology, Tung-chi University: pl. 18, figs. 16-18.
- 1981 *Leguminocythereis? hodgii* (Ishizaki); Gou et al.: pl. 79, figs. 19, 20.
- 1981 *Bicornucythere bisanensis* (Okubo); Okada: 278, 279, figs. 2, 3.
- 25 1982 *Leguminocythereis hodgii* (Ishizaki); Cai: pl. 4, figs. 10, 13, 14.
- 1982 *Leguminocythereis? hodgii* (Ishizaki); Hou et al.: 374, 386, pl. 76, figs. 1-16, 20; pl. 88, figs. 24, 25.
- 1982 *Bicornucythere bisanensis* (Okubo); Okada: 86, fig. 1.
- 1983 *Keijella bisanensis* (Okubo); Abe: 470, 471, figs. 14, 15; pl. 26, fig. 1-21; pl. 27, fig. 1-7.
- 1983 *Leguminocythereis hodgii* (Ishizaki); Gou et al.: 60, fig. 20. pl. 15; figs. 7-14.
- 30 1984 *Bicornucythere elongatus* (Hu); Hu: 103, 120, text-fig. 36; pl. 6, figs. 24, 25, 27-30.
- 1984 *Bicornucythere bisanensis* (Okubo); Ishizaki: 42, pl. 1, fig. 8.
- 1985 *Leguminocythereis hodgii* (Ishizaki); Huang: 46, pl. 1, figs. 1, 2.
- 1985 *Bicornucythere bisanensis* (Okubo); Ikeya et al.: pl. 5, fig. 7.
- 1985 *Bicornucythere bisanensis* (Okubo); Ishizaki and Matoba: pl. 2, fig. 5.

- 1985 *Bicornucythere bisanensis* (Okubo); Wang and Bian: 347, pl. 15, fig. 11.
- 1985 *Bicornucythere bisanensis* (Okubo); Wang and Zhao: 339, pl.8, fig. 17.
- 1985 *Bicornucythere bisanensis* (Okubo); Wang et al.: 343, pl. 11, fig. 17.
- 1985 *Bicornucythere bisanensis* (Okubo); Zhao: 206, pl. 2, fig. 3.
- 5 1985 *Bicornucythere bisanensis* (Okubo); Zhao et al.: pl. 20, fig. 1.
- 1986 *Bicornucythere bisanensis* (Okubo); Cheong et al.: 48, pl. 3, fig. 4.
- 1986 *Leguminocythereis hodgii* (Ishizaki); Hou and Zhao: pl. 7, figs. 8, 9.
- 1986 *Bicornucythere bisanensis* (Okubo); Hu: 133, pl. 24, figs. 18-21.
- 1986 *Bicornucythere bisanensis* (Okubo); Zhao et al.: pl. 1, fig. 4
- 10 1986 *Leguminocythereis hodgii* (Ishizaki); Zheng: pl. 2, figs. 6, 7, 8.
- 1987 *Leguminocythereis hodgii* (Ishizaki); Cai and Chen: pl. 2, fig. 16.
- 1987 *Leguminocythereis hodgii* (Ishizaki); Zheng: 197, pl. 4, figs. 19-22.
- 1987 *Keijella bisanensis* (Okubo); Wang Q. and Zhang: 291, pl. 2, figs. 15, 16.
- 1988 *Keijella bisanensis* (Okubo); Abe: 922, pl. 1, figs. 1-6.
- 15 1988 *Bicornucythere bisanensis* (Okubo); Cai: pl. 1, figs. 3-5.
- 1988 *Bicornucythere bisanensis* (Okubo); Ruan and Hao: 362, pl. 55, figs. 19-23.
- 1988 *Keijella bisanensis* (Okubo); Hanai: 24, pl. 2, figs. 5, 6.
- 1988 *Keijella bisanensis* (Okubo); Wang Q. et al.: 103, pl. 1, fig. 6.
- 1988 *Bicornucythere bisanensis* (Okubo); Wang et al.: 413, pl. 45, figs. 7-9.
- 20 1989 *Bicornucythere bisanensis* (Okubo); Gou and Gong: 118, pl. 2, figs. 1, 2.
- 1989 *Bicornucythere bisanensis* (Okubo); Ruan: pl. 2, figs. 12-14.
- 1990 *Bicornucythere bisanensis* (Okubo); Ishizaki: 214, fig. 1.4.
- 1990 *Bicornucythere bisanensis* (Okubo); Lee: 330, pl. 25, figs. 12, 13.
- 1990 *Bicornucythere bisanensis* (Okubo); Takayasu et al.: 145, pl. fig. 8.
- 25 1990 *Bicornucythere bisanensis* (Okubo); Yajima and Lord: 157, fig. 7.3.
- 1990 *Keijella bisanensis* (Okubo); Zhao and Wang: pl. 1, fig. 14.
- ?1991 *Bicornucythere bisanensis* (Okubo); Cai: pl. 3, fig. 7.
- 1991 *Bicornucythere bisanensis* (Okubo); Ikeya and Itoh: 133, fig. 12, A.
- 1992 *Bicornucythere bisanensis* (Okubo); Lee and Paik: 153, pl. 4, fig. 15.
- 30 1993 *Bicornucythere bisanensis* (Okubo); Ikeya and Shiozaki: 17, 29, 30, figs. 2, 3A-3C, 13, 14.
- 1993 *Bicornucythere bisanensis* (Okubo); Kamiya and Nakagawa: 129, pl. 4, fig. 11.
- 1994 *Bicornucythere bisanensis* (Okubo); Zheng: pl. 46, figs. 13, 14.
- 1996 *Bicornucythere bisanensis* (Okubo); Kamiya et al.: 165, pl. 4, figs. 5, 6.
- 1996 *Bicornucythere bisanensis* (Okubo); Ozawa: 108, pl. 2, fig. 2.

- 1998 *Bicornucythere bisanensis* (Okubo); Cao, pl. 5, figs. 2-7.
- 1998 *Bicornucythere bisanensis* (Okubo); Irizuki et al.: 8, fig. 3.2.
- 1998 *Bicornucythere bisanensis* (Okubo); Tanaka et al.: 88, 91, fig. 6; pl. 1, fig. 8.
- 1998 *Bicornucythere bisanensis* (Okubo); Yamane: 39, pl. 2, fig. 4.
- 5 1999 *Bicornucythere bisanensis* (Okubo); Irizuki et al.: 100, fig. 1.
- 2000 *Bicornucythere bisanensis* (Okubo); Gou: pl. 13, figs. 18, 19.
- 2000 *Bicornucythere bisanensis* (Okubo); Irizuki and Hosoyama: 12, fig. 3.13.
- 2001b *Bicornucythere bisanensis* (Okubo); Irizuki et al.: 109, figs. 3, 10, 11, 13, 14.
- 2001 *Bicornucythere bisanensis* (Okubo); Kamiya et al.: 101, fig. 17.1.
- 10 2001 *Bicornucythere bisanensis* (Okubo); Nakao et al.: 141, fig. 11.6.
- 2001 *Bicornucythere bisanensis* (Okubo); Yasuhara and Irizuki: 75, pl. 2, figs. 9-20.
- 2002 *Bicornucythere bisanensis* (Okubo); Nakao and Tsuhkagoshi: 89, figs. 11K-N.
- 2002 *Bicornucythere bisanensis* (Okubo); Tanaka: 27, figs. 2, 2c.
- 2002b *Bicornucythere bisanensis* (Okubo); Yasuhara et al.: 635, figs. 3, 1, 2.
- 15 2003a *Bicornucythere bisanensis* (Okubo); Irizuki et al.: 13, pl. 1, fig. 5.
- 2003b *Bicornucythere bisanensis* (Okubo); Irizuki et al.: 155, fig. 4.
- 2003 *Bicornucythere bisanensis* (Okubo); Yamaguchi: 135, 149, figs. 1Z, 10L.
- 2003 *Bicornucythere bisanensis* (Okubo); Yasuhara et al.: 530, figs. 2, 3, 4.
- 2004 *Bicornucythere bisanensis* (Okubo); Irizuki and Seto: 314, fig. 4.
- 20 2004 *Bicornucythere bisanensis* (Okubo); Yasuhara et al.: 31-33, figs. 13-15.
- 2005 *Bicornucythere bisanensis* (Okubo); Irizuki et al.: 42, fig. 4.6.
- 2005 *Bicornucythere bisanensis* (Okubo); Ishida and Takayasu: 76, fig. 2.4.5.
- 2005 *Bicornucythere bisanensis* (Okubo); Yasuhara et al.: 289, fig. 3.3.4.
- 2006 *Bicornucythere bisanensis* (Okubo); Yasuhara and Seto: 106, figs. 4d, 4e.
- 25 2008 *Bicornucythere bisanensis* (Okubo); Nakao et al.: 281, fig. 3B.
- 2007 *Bicornucythere bisanensis* (Okubo); Hou and Gou: pl. 183, figs. 1-7.
- 2007 *Bicornucythere bisanensis* (Okubo); Sasaki et al.: 524, fig. 5.21.
- 2008 *Keijella bisanensis* (Okubo); Hu and Tao: pl. 6, figs. 6, 15, 19-22; pl. 28, figs. 2-4; pl. 37, figs. 11, 12, 15; pl. 56, figs. 8-11, 13, 14; pl. 85, figs. 8, 11, 12, 14-18, 20-22; pl. 90, figs. 14, 18, 21; pl. 91, figs. 1, 2, 6, 7; pl. 95, figs. 18, 21; pl. 106, fig. 7; pl. 116, figs. 17, 20, 21; pl. 134, fig. 18; pl. 140, figs. 3, 5-7, 11, 14, 18, 22; pl. 149, fig. 5; pl. 163, figs. 14, 17, 19, 20; pl. 164, figs. 1, 4, 8; pl. 179, figs. 3, 5, 6; pl. 187, figs. 13, 19, 20; pl. 199, figs. 4-12, 14, 15; pl. 211, fig. 10, pl. 212, figs. 1-7, 9; pl. 218, figs. 9, 11, 12, 16; pl. 224, figs. 4-6
- ?2008 *Keijella bisanensis* (Okubo); Hu and Tao: pl. 2, figs. 2-5, 7; pl. 7, figs. 1, 10; pl. 18, figs. 3-6, 8.

- 2008 *Keijella hodgii* (Brady); Hu and Tao: pl. 6, figs. 1, 4, 7-14, 16, 18; pl. 7, figs. 7, 21; pl. 11, figs. 1, 4, 6; pl. 18, figs. 7, 9; pl. 19, figs. 7, 9, 11, 14, 16; pl. 95, fig. 19; pl. 96, figs. 2, 5; pl. 106, figs. 4-6, 8; pl. 149, figs. 6, 7; pl. 163, figs. 11, 15, 16; pl. 179, fig. 4; pl. 199, figs. 13, 16, 21; pl. 224, figs. 1-3.
- ?2008 *Keijella hodgii* (Brady); Hu and Tao: pl. 47, figs. 12, 14; pl. 85, fig. 19; pl. 210, fig. 5; pl. 223, figs. 13, 16.
- 5 2008 *Bicornucythere bisanensis* (Okubo); Nakao and Tsukagoshi: 273, pl. 5, figs. A-D.
 2008 *Bicornucythere bisanensis* (Okubo); Yamada: 42, figs. 1I, 3.
 2009 *Bicornucythere bisanensis* (Okubo); Horikoshi et al.: 154, fig. 5.3.
 2009a *Bicornucythere bisanensis* (Okubo); Irizuki et al.: 5, figs. 4.4, 4.5.
 2009b *Bicornucythere bisanensis* (Okubo); Irizuki et al.: 320, fig. 3.14.
- 10 2009 *Bicornucythere bisanensis* (Okubo); Ozawa: 236, figs. 3, 7-13, 16.
 2009 *Bicornucythere bisanensis* s.l. (Okubo); Tanaka and Nomura: 61, fig. 3.9.
 2009 *Bicornucythere bisanensis* s.l. (Okubo); Tanaka et al.: 377, pl. 1, fig. 11.
 2009 *Bicornucythere bisanensis* (Okubo); Zhao et al.: pl.1, fig. 37.
 2010 *Bicornucythere bisanensis* (Okubo); Irizuki et al.: 16, fig. 4.10.
- 15 2011 *Bicornucythere bisanensis* (Okubo); Irizuki et al.: 42, fig. 4.9.
 2011 *Bicornucythere bisanensis* (Okubo); Tanaka et al.: 84, fig. 6I.
 2012a *Bicornucythere bisanensis* (Okubo); Tanaka et al.: 118, pl. 2, fig. 10.
 2012b *Bicornucythere bisanensis* (Okubo); Tanaka et al.: 2, fig. 1c.
 2012c *Bicornucythere bisanensis* (Okubo); Tanaka et al.: 9, fig. 4B.
- 20 2013 *Bicornucythere bisanensis* (Okubo); Kawano et al.: 96, fig. 5.2.
 2014 *Bicornucythere bisanensis* (Okubo); Masuma and Yamada: 5, fig. 3.6.
 2015a *Bicornucythere bisanensis* (Okubo); Irizuki et al.: 470, fig. 3.13.
 2015b *Bicornucythere bisanensis* (Okubo); Irizuki et al.: 153, fig. 4.6.
 2015 *Bicornucythere bisanensis* (Okubo); Yamada et al.: 56, fig. 3.2.
- 25 2015 *Bicornucythere bisanensis* (Okubo); Yasuhara et al.: 150, 152, figs. 84P-84S.; figs. 85K-85N.
 2016 *Bicornucythere bisanensis* (Okubo); Li et al.: 1477, fig. 2.2.
 2016 *Bicornucythere bisanensis* (Okubo); Matsushima et al.: 14, fig. 6B.
 2017 *Bicornucythere bisanensis* s.l. (Okubo); Hong et al.: 58, fig. 8, 7.
 2018 *Bicornucythere bisanensis* (Okubo); Irizuki et al.: 643, fig. 5.2.
- 30 non
- 1982 *Leguminocythereis? hodgii* (Brady); Hou et al.: pl. 76, figs. 17-19.
 2008 *Keijella hodgii* (Brady); Hu and Tao: pl. 6, figs. 17; pl. 18, fig. 10.
 2017 *Bicornucythere bisanensis* s.l. (Okubo); Hong et al.: 58, fig. 8, 8-10.

Genus *Cathacythere* Whatley and Zhao, 1987c
Cathacythere reticulata Whatley and Zhao, 1987c
Figure. 4 (10)

- 5
1987c *Cathacythere reticulata* Whatley and Zhao: 2, 4.
1988 *Sinocythere* sp.; Cai: pl. 1, fig. 7.
?1999 Indet. gen. D sp.; Carbonel et al.: 127, pl. 3, figs. 3, 4.
2007 *Cathacythere reticulata* Whatley and Zhao; Hou and Gou: pl. 175, figs. 1-5.
10 2008 *Neosinocythere acupunctata* (Brady); Hu and Tao: pl. 213, figs. 13, 20.
2008 *Neosinocythere chenwui* Hu and Tao: pl. 224, figs. 14-16.

Genus *Pistocythereis* Gou in Gou, Zheng and Huang, 1983
Pistocythereis bradyi (Ishizaki, 1968)

- 15
Figure. 4 (11)
- 1913 *Cythereis darwini* Brady; Kajiyama: pl. 1, figs. 67-69.
1968 *Echinocythereis bradyiformis* Ishizaki: pl. 8, fig. 4.
1968 *Echinocythereis bradyi* Ishizaki: pl. 9, fig. 17.
20 1969 *Echinocythereis bradyiformis* (Ishizaki); Ishizaki: pl. 25, fig. 14.
1971 *Echinocythereis bradyiformis* (Ishizaki); Ishizaki: pl. 4, fig. 1.
1971 *Echinocythereis bradyi* (Ishizaki); Ishizaki: pl. 4, fig. 2.
1975 *Pseudocythereis miaoliensis* Hu and Yang: 112, 113, pl. 1, figs. 12, 14, 17, 22, 23; pl. 2, fig. 9.
1978 *Pseudocythereis miaoliensis* Hu and Yang; Hu and Yeh: pl. 1, figs. 15, 17, 18.
25 1979 *Echinocythereis bradyiformis* (Ishizaki); Okubo: 152, figs. 5. 6. 7f-h.
?1980b *Echinocythereis cribriformis* (Ishizaki); Wang et al.: pl. 10, fig. 22.
?1980d *Echinocythereis cribriformis* (Ishizaki); Wang et al.: pl. 17, fig. 19.
1981 *Echinocythereis? bradyi* (Ishizaki); Gou et al.: 179, pl. 86, figs. 3-5, 8.
1982 *Pseudocythereis miaoliensis* Hu and Yang; Hu: pl. 2, fig. 28.
30 1982 *Echinocythereis bradyi* (Ishizaki); Hou et al.: 382, pl. 84, figs. 1-6.
1983 *Pistocythereis bradyi* (Ishizaki); Gou et al.: 95, fig. 31, pl. 5, fig. 1; pl. 16, figs. 1-12.
1984 *Pistocythereis bradyi* (Ishizaki); Ishizaki: 42, pl. 1, fig. 2.
1985 *Alococythere* [sic] *cribriformis* (Brady); Huang: 48, pl. 1, fig. 3.
1985 *Wichmannella bradyi* (Ishizaki); Ikeya et al.: pl. 5, fig. 3.

- 1985 *Wichmannella bradyi* (Ishizaki); Nohara and Tabuki: pl. 2, fig. 16.
- 1986 *Wichmannella miaoliensis* (Hu and Yang): Hu, 131, pl. 7, figs. 3, 7.
- 1986 *Wichmannella miaoliensis* (Hu and Yang); Hu and Tao: 62, pl. 3, figs. 11, 12.
- 1986 *Wichmannella bradyi* (Ishizaki); Zhao et al.: pl. 1, fig. 15.
- 5 1986 *Pistocythereis bradyi* (Ishizaki); Zheng: pl. 3, figs. 14-19.
- 1987 *Pistocythereis bradyi* (Ishizaki); Zheng: 203, pl. 8, figs. 27, 28.
- 1987 *Wichmannella bradyi* (Ishizaki); Wang Q. and Zhang: 291, pl. 2, fig. 22.
- 1988 *Pistocythereis bradyi* (Ishizaki); Abe and Choe: 370, pl. 1, figs.1-4.
- 1988 *Wichmannella bradyi* (Ishizaki); Wang Q. et al.: 103, pl. 1, fig. 3.
- 10 1988 *Echinocythereis? bradyiformis* (Ishizaki); Wang et al.: 415, pl. 46, fig. 9.
- 1988 *Pistocythereis bradyi* (Ishizaki); Whatley and Zhao: 19, pl. 9, figs. 3-5.
- 1989 *Pistocythereis bradyiformis* (Ishizaki); Ruan: pl. 2, figs. 15-17.
- 1990 *Pistocythereis bradyi* (Ishizaki); Ishizaki: 214, fig. 1.5.
- 1990 *Pistocythereis bradyi* (Ishizaki); Tabuki and Nohara: 377, pl. 2, fig. 6.
- 15 ?1990 *Celtia japonica* (Ishizaki); Ruan: 134, pl. 2, fig. 11.
- ?1990 *Pistocythereis bisanensis* (Ishizaki); Takayasu et al.: 145, pl. fig. 7.
- 1991 *Pistocythereis bradyi* (Ishizaki); Cai: 111, pl. 4, fig. 2.
- 1992 *Pistocythereis bradyi* (Ishizaki); Mostafawi: 145, table 4, fig. 75.
- 1994 *Pistocythereis bradyi* (Ishizaki); Zheng: pl. 56, figs. 4-6.
- 20 1994 *Pistocythereis cribriformis* (Ishizaki); Zheng: pl. 56, figs. 7, 8.
- 1998 *Pistocythereis bradyiformis* (Ishizaki); Cao: pl. 8, figs. 8-13.
- 1998 *Pistocythereis bradyi* (Ishizaki); Cao: pl. 8, figs. 14-16.
- 1998 *Pistocythereis bradyi* (Ishizaki); Irizuki et al.: 8, fig. 3.6.
- 1998 *Pistocythereis bradyi* (Ishizaki); Yamane: 53, pl. 9, fig. 6.
- 25 1998 *Pistocythereis bradyi* (Ishizaki); Tanaka et al.: 91, pl. fig. 13.
- 1999 *Echinocythereis cribriformis* (Brady); Carbonel et al.: 135, pl. 7, fig. 1.
- 2000 *Pistocythereis bradyi* (Ishizaki); Gou: pl. 14, figs. 18, 19.
- 2000 *Pistocythereis bradyi* (Ishizaki); Irizuki and Hosoyama: 12, fig. 3.12.
- 2001b *Pistocythereis bradyi* (Ishizaki); Irizuki et al.: 109, fig. 3.12.
- 30 2001 *Pistocythereis bradyi* (Ishizaki); Kamiya et al.: 103, fig. 18.10.
- 2001 *Pistocythereis bradyi* (Ishizaki); Tabuki: 33, fig. 10.11.
- 2001 *Pistocythereis bradyi* (Ishizaki); Yasuhara and Irizuki: 89, pl. 9, figs. 11-16.
- 2003a *Pistocythereis bradyi* (Ishizaki); Irizuki et al.: 13, pl. 1, fig. 7.
- 2004 *Pistocythereis bradyi* (Ishizaki); Irizuki and Seto: 314, fig. 4.

- 2004 *Pistocythereis bradyi* (Ishizaki); Yasuhara et al.: 30-34, figs. 12-15.
- 2005 *Pistocythereis bradyi* (Ishizaki); Irizuki et al.: 42, fig. 4.5.
- 2005 *Pistocythereis bradyi* (Ishizaki); Ishida and Takayasu: 76, fig. 2.11.
- 2005 *Pistocythereis bradyi* (Ishizaki); Yasuhara et al.: 290, fig. 4.4.
- 5 2006 *Pistocythereis bradyi* (Ishizaki); Yasuhara and Seto: 107, fig. 5c.
- 2006 *Pistocythereis bradyi* (Ishizaki); Irizuki et al.: 24, fig. 7.6.
- 2007 *Pistocythereis bradyi* (Ishizaki); Hou and Gou: pl. 190, figs. 1-9.
- 2007 *Pistocythereis bradyi* (Ishizaki); Sasaki et al.: 524, fig. 5.22.
- 2008 *Pistocythereis binladengi* Hu and Tao: pl. 27, fig. 8.
- 10 2008 *Pistocythereis bradyiformis* (Ishizaki); Hu and Tao: pl. 162, figs. 15, 19, 21.
- 2008 *Pistocythereis fuchuui* Hu and Tao: pl. 179, fig. 1; pl. 187, figs. 1, 4, 5; pl. 223, fig. 15.
- 2008 *Pistocythereis jenho* Hu and Tao: pl. 162, fig. 4.
- 2008 *Pistocythereis yensongi* Hu and Tao: pl. 47, figs. 2, 3, 5, 6; pl. 84, figs. 9, 11, 14; pl. 94, figs. 12, 15, 17; pl. 105, fig. 13; pl. 140, figs. 1, 2, 4, 8.
- 15 2008 *Pistocythereis bradyi* (Ishizaki); Hu and Tao: pl. 47, fig. 8; pl. 94, figs. 8, 9, 13; pl. 95, figs. 3, 5; pl. 139, figs. 7, 8, 17, 20, 24, 26; pl. 162, figs. 2, 17, 18; pl. 163, figs. 1, 3, 4, 7, 8, 12; pl. 211, figs. 1, 14.
- ?2008 *Pistocythereis bradyi* (Ishizaki); Hu and Tao: pl. 10, figs. 5, 7, 9, 10, 13, 18; pl. 69, figs. 8, 18-21; pl. 94, fig. 14; pl. 116, figs. 8, 10, 11.
- 2008 *Pistocythereis bradyi* (Ishizaki); Irizuki et al.: 296, fig. 8.
- 20 2009 *Pistocythereis bradyi* (Ishizaki); Horikoshi et al.: fig. 5.11.
- 2009 *Pistocythereis bradyi* (Ishizaki); Ramlan and Noraswana: 17, pl. 3, figs. 1, 2.
- ?2009 *Pistocythereis* sp.; Ramlan and Noraswana: 17, pl. 3, figs. 3, 4.
- 2010 *Pistocythereis bradyi* (Ishizaki); Irizuki et al.: 16, fig. 4.9.
- 2010 *Pistocythereis bradyi* (Ishizaki); Ramlan and Noraswana: 202, pl. 1, figs. 4, 5.
- 25 2011 *Pistocythereis bradyi* (Ishizaki); Tanaka et al.: 84, fig. 6B.
- 2012a *Pistocythereis bradyi* (Ishizaki); Tanaka et al.: 118, pl. 2, fig. 11.
- 2012c *Pistocythereis bradyi* (Ishizaki); Tanaka et al.: 9, fig. 40.
- 2012d *Pistocythereis bradyi* (Ishizaki); Tanaka et al.: 29, pl. 3, fig. 12.
- 2013 *Pistocythereis bradyi* (Ishizaki); Kawano et al.: 96, fig. 5.12.
- 30 2015a *Pistocythereis bradyi* (Ishizaki); Irizuki et al.: 470, fig. 3.14.
- 2015 *Pistocythereis bradyi* (Ishizaki); Yamada et al.: 56, fig. 3.12.
- 2015 *Pistocythereis bradyi* (Ishizaki); Yasuhara et al.: 150, 152, figs. 84T-84W.; figs. 85O-85R.
- 2016 *Pistocythereis bradyi* (Ishizaki); Li et al.: 1477, figs. 2, 1a, 1b.
- 2016 *Pistocythereis bradyi* (Ishizaki); Matsushima et al.: 14, fig. 6H.

2017 *Pistocythereis bradyi* (Ishizaki); Tsukagoshi: 16, fig. 2E.

2018 *Pistocythereis bradyi* (Ishizaki); Irizuki et al.: 643, fig. 5.11.

non

5 ?1978 *Echinocythereis bradyi* (Ishizaki); Herrig: 83, text-fig. 3, pl. 1, figs. 1, 2.

2008 *Pistocythereis bradyi* (Ishizaki); Hu and Tao: pl. 21, figs. 1-3; pl. 27, figs. 2-6; pl. 38, fig. 6; pl. 47, figs. 9, 11, 15; pl. 55, fig. 19; pl. 84, figs. 17-20; pl. 95, figs. 1, 4; pl. 105, figs. 3, 5, 6, 8, 9-12, 14-17; pl. 149, figs. 1-3; pl. 162, fig. 5; pl. 187, figs. 2, 3, 6-11; pl. 199, figs. 1, 2; pl. 211, figs. 11, 12, 19.

10 Family Xestoleberididae Sars, 1928

Genus *Xestoleberis* Sars, 1866

Xestoleberis hanaii Ishizaki, 1968

PFigure. 4 (14)

15 1869 *Xestoleberis aurantia* (Baird); Brady: pl. 16, figs. 15, 16.

1961 *Xestoleberis* sp.; Hanai: 364, text-fig. 7. fig. 2a-c.

1968 *Xestoleberis hanaii* Ishizaki: pl. 9, figs. 1, 2.

1971 *Xestoleberis hanaii* Ishizaki; Ishizaki: pl. 4, fig. 14.

1974 *Xestoleberis hanaii* Ishizaki; Schornikov: 184-186, text-fig. 26.

20 1978 *Xestoleberis hanaii* Ishizaki; Guan in Hubei Institute of Geology and Science: 300, pl. 78, figs. 7-9.

1984 *Xestoleberis hanaii* Ishizaki; Okubo: 21, pl. 1, a-l.

1985 *Xestoleberis hanaii* Ishizaki; Ikeya et al.: pl. 8, figs. 16, 18, 22.

1985 *Xestoleberis hanaii* Ishizaki; Ishizaki and Matoba: pl. 6, fig. 6.

1986 *Xestoleberis* sp. Hu: 168, pl. 11, fig. 2.

25 ?1986 *Xestoleberis hanaii* Ishizaki; Zhao et al.: pl. 2, fig. 10.

1987 *Xestoleberis hanaii* Ishizaki; Wang Q. and Zhang: 290, pl. 1, fig. 8.

1987a *Xestoleberis hanaii* Ishizaki; Whatley and Zhao: 23, pl. 1, figs. 12, 13.

1988 *Xestoleberis hanaii* Ishizaki; Cai: pl. 2, 20.

1988 *Xestoleberis hanaii* Ishizaki; Ikeya and Shiozaki: 135, pl. 2, figs. 1a, 1b.

30 1988 *Xestoleberis hanaii* Ishizaki; Ruan and Hao: 371, pl. 68, figs. 19-22.

1988a *Xestoleberis hanaii* Ishizaki; Wang Q. et al.: 103, pl. 1, fig. 31.

?1988 *Xestoleberis hanaii* Ishizaki; Wang et al.: 422, pl. 54, fig. 16

1990 *Xestoleberis hanaii* Ishizaki; Lee: 348, pl. 34, figs. 10, 11.

1990 *Xestoleberis* cf. *hanaii* Ishizaki; Tabuki and Nohara: 377, pl. 2, fig. 13.

- 1991 *Xestoleberis hanaii* Ishizaki; Ikeya and Itoh: 145, fig. 24D.
- 1992 *Xestoleberis hanaii* Ishizaki; Mostafawi: 157, pl. 6, fig. 135.
- 1992 *Xestoleberis hanaii* Ishizaki; Ikeya and Suzuki: 137, pl. 9, fig. 6.
- 1993 *Xestoleberis hanaii* Ishizaki; Kamiya and Nakagawa: 133, pl. 6, fig. 11.
- 5 1994 *Xestoleberis hanaii* Ishizaki; Yumoto: 640, 642, 645, 647, figs. 1, 4-6.
- 1994 *Xestoleberis hanaii* Ishizaki; Zheng: pl. 60, fig. 14.
- 1998 *Xestoleberis hanaii* Ishizaki; Cao: pl. 10, figs. 12, 13.
- 1998 *Xestoleberis hanaii* Ishizaki; Irizuki et al.: 8, fig. 3.12.
- 2000 *Xestoleberis hanaii* Ishizaki; Ikeya and Kato: 151-153, 158, figs. 3-5, 10.
- 10 2001 *Xestoleberis hanaii* Ishizaki; Kamiya et al.: 93, fig. 13.17.
- 2001 *Xestoleberis hanaii* Ishizaki; Nakao et al.: 133, fig. 5.9.
- 2001 *Xestoleberis* cf. *hanaii* Ishizaki; Tabuki: 39, fig. 14.9.
- 2001 *Xestoleberis hanaii* Ishizaki; Yasuhara and Irizuki: 94, pl. 12, fig. 14.
- 2002 *Xestoleberis hanaii* Ishizaki; Irizuki et al.: 39, pl. 1, fig. 21.
- 15 2002 *Xestoleberis hanaii* Ishizaki; Tanaka: 27, fig. 2.2b.
- 2003 *Xestoleberis hanaii* Ishizaki; Yamaguchi: 135, 148, figs. 1M, 9O.
- 2004 *Xestoleberis hanaii* Ishizaki; Irizuki: 77, pl. 3, fig. 7.
- 2005 *Xestoleberis hanaii* Ishizaki; Ishida and Takayasu: 76, fig. 2.13.
- 2006 *Xestoleberis hanaii* Ishizaki; Irizuki et al.: 26, fig. 9.1.
- 20 2007 *Xestoleberis hanaii* Ishizaki; Hou and Gou: pl. 214, figs. 14-18; pl. 217, fig. 1.
- 2007 *Xestoleberis hanaii* Ishizaki; Sasaki et al.: 524, fig. 5.19.
- 2008 *Xestoleberis hanaii* Ishizaki; Hu and Tao: pl. 123, fig. 13.
- 2008 *Xestoleberis hanaii* Ishizaki; Yamada: 42, figs. 1D, 2.
- 2009 *Xestoleberis hanaii* Ishizaki; Ozawa: 238, fig. 4, 11.
- 25 2010 *Xestoleberis hanaii* Ishizaki; Ozawa: 34, pl. 4, fig. 21.
- 2010 *Xestoleberis hanaii* Ishizaki; Ozawa and Domitsu: 6, fig. 5.19.
- 2014 *Xestoleberis hanaii* Ishizaki; Masuma and Yamada: 6, fig. 4.23.
- 2014 *Xestoleberis hanaii* Ishizaki; Noraswana and Ramlan: 614, fig. 4.
- 2017 *Xestoleberis hanaii* Ishizaki; Tsukagoshi: 16, fig. 1E.
- 30 2017 *Xestoleberis hanaii* Ishizaki; Yamada: 1571-1575, figs. 1-6.

non

2008 *Xestoleberis hanaii* Ishizaki; Hu and Tao: pl. 152, fig. 11

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