

INDEX OF TAIWAN MOSSES

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(Received for publication December 25, 1986 and in revised form March 9, 1987)

Abstract: It's about 120 years in the collections and researches of mosses in Taiwan. In order to facilitate the taxonomic work, the authors have started dealing with the Index. 258 genera, 817 species, subspecies, varieties and forms are listed.

INTRODUCTION

The initial collection and research of Taiwan mosses can be traced back to reports of Richard Oldham and others in 1864 about *Macromitrium japonicum* Doz. et Molk. and *Philonotis palustris* Mitt. (Sawada, 1914). Since then 120 years have passed.

Utilizing the specimens of Taiwan mosses collected by U. Faurie, French moss expert, J. Cardot, published "Mousses de l'île Formose" in 1905, which listed 130 species of mosses including 40 new species and 8 new varieties—the *Anoetangium fauriei* Card. was one of them. Other reports on Taiwan mosses can be found in the literatures of European specialists like E. S. Salmon, V. F. Brotherus, H. Reimers, etc.

Japanese research on Taiwan mosses started about 1914 with a report "Mosses of Taiwan" by fungus expert K. Sawada, which listed 130 species of mosses containing *Sphagnum cymbifolium* (Hedw.) Warnst. Afterwards in 1916 S. Okamura published "Contributions Novae ad Florum Bryophyton Japanican" including 49 species of mosses, after he identified the moss specimens which were collected by Y. Shimada in a plant survey of Taiwan.

Aside from some occasional reports on Taiwan mosses continuously appearing during 1915-21 and 1924-28, H. Sasaoka published his "A list of Taiwan mosses, I-IV.", covering 277 species including *Sphagnum junghuhnianum* Doz. et Molk., etc. Later on, E. Ihsiba classified 275 species, 18 varieties and 3 forms of mosses in his "Index Muscorum Formosarum" in 1935.

As for the research on Taiwan mosses, none have made as great of a contribution as Y. Horikawa and A. Noguchi. Horikawa made a broad study of Taiwan bryophytes in his "Symbolae Florae Bryophytae Orientali-Asiae, I-X" and "Contributions to the Bryological Flora of Eastern Asia, I-V" during 1934-36. At the same time (1934-36), Noguchi's "Contributions to the Moss Flora of Formosa, I-V" reports on 52 species of mosses, 22 of which were new species, including *Taiwanobryum speciosum* Nog. In 1955, Noguchi together with the German scholar, Th. Herzog, published "Beitrag zur Kenntnis der Bryophyten Flora von Formosa und den Benachbarten Inseln Botel Tobago und Kwashyoto", covering 128 species of mosses with *Fissidens gemmaeus* Herz. et Potier, etc.

After Taiwan Restoration, Japanese continued coming to Taiwan to collect specimens. Some reports have been published: S. Nakanish's "A Record of Travels in Taiwan" (1963) and "Epiphytic communities in the Alpine Zone of Mt. Yushan, Taiwan" (1964); H. Ochi's "Mosses of the families Bryaceae and Bartramiaceae collected by the members of "Kobe

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Univ. Sc. Exped. to Taiwan, 1963" "(1964); R. Watanabe's "Thuidiaceae mosses collected by Dr. S. Nakanishi from Mt. Gokwan area in Formosa" (1964). Z. Iwatsuki and American expert A. J. Sharp published "Interesting mosses from Formosa" (1970), which reported 35 species of mosses including *Fissidens adelphinus* Besch. T. Shin published "Short report of mosses from Isl. Botel Tobago, Formosa" in 1973. Z. Iwatsuki and M. Mizutani in 1983 brought out "A small collection of bryophytes from Mt. Yushan, Taiwan" in which the authors reported 35 species of mosses based on the moss specimens collected in Taiwan by Tanka in 1976.

Chinese research on the mosses of Taiwan was initiated in 1941 by the description of *Molendia hornschi* (Funk) Lindb., etc. in P. C. Chen's research on the family Pottiaceae. Local experts of taxonomy have worked on Taiwan mosses since the Restoration of Taiwan. Among them B. Y. Yang of National Taiwan University and C. K. Wang of Tunghai University are particularly well-known. Wang published his *Phytogeography of the mosses of Formosa* (1970), in which the distribution of Taiwan mosses and the phytogeography are treated; it listed 609 taxa of Taiwan mosses including 106 endemic to Taiwan.

C. C. Chuang of the Botany Department of National Taiwan University focused on acrocarpous moss research in which he classified 22 families and 275 taxa including the new species *Andreaea hohuanensis* Chuang and the new combination of *Oligotrichum suzukii* (Broth.) Chuang. In 1976, M. J. Lai and J. R. Wang-Yang brought out their "Index Bryoflora Formensis" in Taiwan, which contributed to a complete arrangement of nomenclatures of Taiwan mosses and listed 54 families and 243 genera.

As to definite taxa research, it started with Horikawa's "The species of *Leucobryum*" (1920). In 1964, B. Y. Yang and W. C. Lee published their "The Hookeriaceae of Taiwan" and T. Koponen brought out "Keys for the Mniaceae" (1971) based upon his collection of Mniaceae specimens from Taiwan. M. J. Lai published "The Hypopterygiaceae of Taiwan" (1978). Lai and T. S. Liu published together "The peat moss genus *Sphagnum* L. in Taiwan" (1981). S. H. Wu and S. H. Lin both of Tunghai University finished researching Taiwan's Meteoriaceae, setting up the genera of *Aerobryidium*, *Meteoriopsis*, *Chrysocladium*, *Floribundaria*, *Aerobryum* and *Papillaria* during 1985-86.

It has been 10 years since an index of Taiwan mosses was brought out by Lai and Wang-Yang in 1976. Yet due to international research, nomenclatural changes, discovery of new species and new records, it seems to be insufficient now. In order to promote the local work of classification, the authors have compiled this index.

This index is arranged by the alphabetical order of genus names and species names. Following this is appended a bibliographical listing of sources in Taiwan. Synonyms are combined after an equal sign following the scientific name. As for family names and the system, Broth. (1909), (1924-25) can be consulted, so they are not listed. Items labeled with an asterisk "*" indicate that source does not treat Taiwan but that it is a valuable reference. 258 genera, 817 species, subspecies, varieties and forms are listed.

AN ALPHABETICAL LIST

- Abietinella abietina* (Hedw.) Fleisch. Wang (1970) 503; Lai et Wang-Yang (1976) 176.
Abietinella abietina auct. non (Hedw.) Fleisch.: Wang (1967) 8.=*Actinothuidium hookeri*.
Acanthocladium deflexifolium (Mitt.) Ren. et Card. Sasaoka (1928e) 416; Sakurai (1932a) 505; Ihsiba (1935) 197; Nakanishi (1963) 321; Wang (1963) 228; Horikawa et Ando (1964) 31; Wang (1970) 515; Lai et Wang-Yang (1976) 176.=*Wijkia deflexifolia*.
Acanthocladium semitortipilum (C. Muell.) Fleisch. Sasaoka (1927) 240, (1928e) 416; Ihsiba (1932) 63; Sakurai (1932a) 505; Ihsiba (1935) 177; Wang (1963) 228, (1970) 515; Lai et Wang-Yang (1976) 176.=*Wijkia semitortipilum*.

- Acanthorrhynchium papillatum* (Harv.) Fleisch. Wang (1963) 232, (1970) 518; Lai et Wang-Yang (1976) 176.
- Acroporium diminutum* (Brid.) Fleisch. Nakanishi (1963) 326; Wang (1967a) 25, (1970) 517; Lai et Wang-Yang (1976) 176.
- Acroporium flagelliferum* Sak. Iwatsuki et Sharp (1970) 169.=*Neacroporium flagelliferum*.
- Acroporium oxyporum* (Bosch et Lac.) Fleisch. Herz. et Noguchi (1955) 69; Wang (1963) 231, (1970) 517; Lai et Wang-Yang (1976) 176; Chen *et al.* (1978) 251.
- Acroporium suzukii* Sakurai (1932a) 504; Ihsiba (1935) 197; Wang (1963) 231; Iwatsuki et Sharp (1967a) 303; Seki (1968) 28. f. 6.9; Wang (1970) 517; Iwatsuki et Mizutani (1972) 244. f. 129; Lai et Wang-Yang (1976) 176; Lin (1981) 361.
- Actinodontium raphidostegum* (C. Muell.) Bosch et Lac. Iwatsuki (1964) 180; Yang et Lee (1964a) 74; Wang (1967a) 19, (1970) 494; Noguchi et Iwatsuki (1972) 470; Lai et Wang-Yang (1976) 176; Chen *et al.* (1978) 125.
- Actinothuidium hookeri* (Mitt.) Broth. Noguchi (1934b) 292; Nakanishi (1963) 322; Wang (1963) 221; Watanabe (1964) 273; Noguchi, Takaki et Inoue (1966) 373; Noguchi (1966) 578; Iwatsuki (1969) 288; Wang (1970) 503; Noguchi (1971a) 253; Watanabe (1972) 212. Pl. 30; Noguchi et Iwatsuki (1975) 273; Lai et Wang-Yang (1976) 176; Noguchi (1964c) 187.
- Aerobryidium filamentosum* (Hook.) Fleisch. Noguchi (1935a) 64, (1976a) 290. f. 24; Chen *et al.* (1978) 74; Lin (1981) 360; Wu et Lin (1986) 3. Pl. 1; Lin et Tsai (1984) 91.
- Aerobryidium taiwanense* Noguchi (1948b) 71. f. 27; Wang (1961) 15; Nakanishi (1963) 320; Wang (1964) 5, (1967b) 99, (1970) 481, (1975) 60; Lai et Wang-Yang (1976) 176; Chen *et al.* (1978) 74.=*A. filamentosum*.
- Aerobryidium wallichii* (Brid.) Towns Wu et Lin (1986) 5. pl. 2.
- Aerobryopsis assimilis* (Card.) Broth. Okamura (1916) 31; Broth. (1909) 819, (1924-25) 165; Sasaoka (1928d) 359; Ihsiba (1929) 148, (1935) 197; Horikawa (1934b) 713; 村越 (1934) 107.=*Pseudobarbella attenuata*.
- Aerobryopsis concavifolia* Noguchi (1936) 37. f. 2.=*Pseudobarbella attenuata*.
- Aerobryopsis horrida* Noguchi (1948b) 69. f. 24.7-9; Wang (1961) 14, (1970) 481; Lai et Wang-Yang (1976) 176; Chen *et al.* (1978) 73.=*A. subdivergens* ssp. *scariosa*.
- Aerobryopsis longissima* (Doz. et Molk.) Fleisch. Sakurai (1943a) 254; Wang (1969) 8; Lai et Wang-Yang (1976) 176.=*Aerobryidium wallichii*.
- Aerobryopsis longissima* var. *densifolia* auct. non Fleisch.: Noguchi (1936) 38.=*A. subdivergens* ssp. *scariosa*.
- Aerobryopsis longissima* var. *longissima* Wang (1970) 538.=*Aerobryidium wallichii*.
- Aerobryopsis parisii* (Card.) Broth. Broth. (1909) 820; Okamura (1916) 29. f. 12; Broth. (1924-25) 166; Ihsiba (1929) 149, (1935) 197; Sasaoka (1928d) 359; Noguchi (1948b) 70. f. 26; Wang (1961) 14; Shin (1965) 267; Wang (1970) 481; Shin (1971) 51, (1973) 56; Wang (1975) 60; Lai et Wang-Yang (1976) 176; Noguchi (1976a) 303; Chen *et al.* (1978) 73; Lin (1981) 360.
- Aerobryopsis subdivergens* (Broth.) Broth. Okamura (1916) 31; Broth. (1924-25) 166; Ihsiba (1929) 149, (1935) 197; Horikawa (1934b) 713, (1939b) 945. Pl. 455; Noguchi (1948b) 67. f. 23. 1-5; Iwatsuki et Mizutani (1972) 160. f. 78; Noguchi (1976) 166. f. 46d; 村越 (1934) 107.
- Aerobryopsis subdivergens* var. *robusta* Card. Noguchi (1948b) 69. f. 25, 6; Wang (1961) 15, (1970) 481; Lai et Wang-Yang (1976) 176.=*A. subdivergens*.
- Aerobryopsis subdivergens* ssp. *scariosa* (Bartr.) Nog. Noguchi (1976a) 301; Lin (1981) 360.
- Aerobryopsis subdivergens* var. *subdivergens* Wang (1970) 481; Lai et Wang-Yang (1976) 176; Lin (1981) 359.=*A. subdivergens* ssp. *subdivergens*.

- Aerobryopsis subdivergens* ssp. *subdivergens* Noguchi (1976a) 301.
- Aerobryopsis wallichii* (Brid.) Fleisch. Noguchi (1976a) 295. f. 26. 27.=*Aerobryidium wallichii*.
- Aerobryum speciosum* (Doz. et Molk.) Doz. et Molk. Reimers et Sakurai (1934) 544; Noguchi (1934b) 291; Ihsiba (1935) 197; Noguchi (1948b) 98. f. 42: 1-2; Wang (1961) 19; Horikawa et Ando (1964) 15; Noguchi (1966) 570; Wang (1970) 481; Lai et Wang-Yang (1976) 176; Lin (1981) 362.
- Aerobryum speciosum* var. *speciosum* Noguchi (1976a) 350; Lin et Tsai (1983) 91; Wu et Lin (1985) 13. Pl. 1.
- Amblystegium brevicuspidatum* Dixon Ihsiba (1935) 197.
- Amblystegium riparium* (Hedw.) B. S. G. Cardot (1905) 145; Broth. (1909) 1024; Sawada (1914) 8; Lai et Wang-Yang (1976) 176; Lin (1981) 361.=*Leptodictyum riparium*.
- Amblystegium serpens* (Hedw.) B. S. G. Sasaoka (1927) 240, (1928) 79, (1928e) 414.
- Amphidium formosicum* Card. Ihsiba (1935) 197.=*Hymenostylium recurvirostre*.
- Amphidium mougeotii* (Bryol. eur.) Sch. var. *formosicum* Card. (1905) 104; Sawada (1914) 4; Sasaoka (1928b) 183; Ihsiba (1929) 36; Wang (1961) 1, (1970) 469; Chen *et al.* (1963) 135.=*Hymenostylium recurvirostre*.
- Amphidium papillosum* Bartr. Wang (1969) 6, (1970) 538; Lai et Wang-Yang (1976) 176.
- Anacamptodon amblystegiopes* Card. Lin et Tsai (1984) 92.
- Anacolia laevisphaera* (Tayl.) Flow. Iwatsuki et Sharp (1970) 165. f. 1; Lai et Wang-Yang (1976) 176.
- Andreaea fauriei* Card. Horikawa (1935g) 1000, (1934) 456; Ihsiba (1935) 197; Horikawa (1936d) 669, (1939) 396, (1939b) 877. Pl. 421. f. 1-9; Chen *et al.* (1963) 93.=*A. rupestris* var. *fauriei*.
- Andreaea hohuanensis* Chuang (1973) 427. f. 3; Lai et Wang-Yang (1976) 176; Lin et Tsai (1984) 83.
- Andreaea morrisonensis* Noguchi (1936a) 139. f. 1: 1-6; Chen et Wang (1958) 95. f. 2; Wang (1960) 1, (1970) 417; Chuang (1973) 429; Lai et Wang-Yang (1976) 176; Lin (1985) 17.
- Andreaea petrophila* Ehrh, var. *fauriei* (Besch.) Takaki (1953) 32. f. 1; Wang (1960) 1.=*A. rupestris* var. *fauriei*.
- Andreaea rupestris* Hedw. var. *fauriei* (Besch.) Tak. Nakanishi (1963) 324; Inoue (1969) 163. f. 1-7; Wang (1970) 417; Chuang (1973) 429; Lai et Wang-Yang (1976) 176; Lin et Tsai (1984) 83.
- Anoetangium fauriei* Cardot (1905) 90. f. 1; Sawada (1914) 2; Sasaoka (1928b) 187; Ihsiba (1929) 56, (1939) 197; Wang (1960) 18, (1970) 433.=*A. thomsonii*.
- Anoetangium stracheyanum* Mitt.
- Anoetangium stracheyanum* var. *gymnostomoides* (Broth. et Yas.) Wijk et Marg. Chuang (1973) 469; Lai et Wang-Yang (1976) 176.=*A. stracheyanum*.
- Anoetangium suzukii* Broth. Sasaoka (1928a) 131, (1928b) 187; Ihsiba (1935) 197. nom. nud.
- Anoetangium thomsonii* Mitt. Chuang (1973) 466; Lai et Wang-Yang (1976) 176.
- Anomobryum filiforme* (Griff.) Jaeg. var. *concinatum* (Spruce) Loeske Chuang (1973) 481; Wang et Lin (1974) 8. f. 21. a-d; Lai et Wang-Yang (1976) 176; Lin et Tsai (1984) 87.=*A. julaceum*.
- Anomobryum filiforme* var. *filiforme* Chuang (1973) 480; Lai et Wang-Yang (1976) 177.=*A. julaceum*.
- Anomobryum gemmigerum* Broth. Ochi (1956a) 361. f. 3.=*A. julaceum*.
- Anomobryum nitidum* (Mitt.) Jaeg. Cardot (1905) 109; Sawada (1914) 5; Ihsiba (1929) 95, (1935) 197; Wang (1960) 27.=*A. julaceum*.

- Anomobryum julaceum* (Garern. et al.) Schimp.
Anomobryum yasudae Broth. Noguchi (1938a) 399; Iwatsuki et Mizutani (1972) 112; Chuang (1973) 481; Lai et Wang-Yang (1976) 177.=*Bryum yasudae*.
Anomodon acutifolius Mitt. Iwatsuki et Sharp (1970) 169; Watanabe (1972) 237. Pl. 50; Lai et Wang-Yang (1976) 177.
Anomodon submicrophyllus Cardot (1905) 129. f. 22; Sawada (1914) 7.=*Haplohymenium sieboldii*.
Anomodon viticulosus (Hedw.) Hook. et Tayl. Iwatsuki et Sharp (1970) 169; Lai et Wang-Yang (1976) 177.
Antitrichia formosana Noguchi (1937c) 39. Pl. 5, (1947a) 50; Wang (1961) 5; Nakanishi (1963) 324; Wang (1970) 473; Lai et Wang-Yang (1976) 177; Chen et al. (1978) 39. f. 215; Iwatsuki et Mizutani (1983) 194; Lin (1984b) 345. f. 1-4; Lin et Tsai (1984) 90.
Aongstroemia orientalis Mitt. Noguchi (1944a) 142; Takaki (1962) 235; Noguchi (1966) 545; Iwatsuki et Sharp (1967) 155. f. III; Iwatsuki (1972) 130. f. 3.4; Chuang (1973) 450; Noguchi et Iwatsuki (1975) 248; Lai et Wang-Yang (1976) 177; Lin et Tsai (1984) 85; Noguchi (1964c) 170.
Aongstroemia orientalis Mitt. var. *orientalis* Noguchi, Takaki et Inoue (1966) 361; Wang (1970) 422.
Aptychella glomerato-propagulifera (Toy.) Seki Lai et Wang-Yang (1976) 177; Lin et Tsai (1984) 94.
Aptychella robusta (Broth.) Fleisch. Wang (1963) 227, (1967b) 100, (1970) 514; Lai et Wang-Yang (1976) 177; Iwatsuki et Deguchi (1984) 165. f. 1.
Astomum crispum (Hedw.) Hampe Chuang (1973) 467; Iwatsuki et Sharp (1970) 164; Lai et Wang-Yang (1976) 177.=*Weissia crispa*.
Atrichum crispulum Schimp. ex Besch. Lai et Wang-Yang (1976) 177; Lin (1981) 362; Lin et Tsai (1984) 83.
Atrichum speciosum (Hor.) Wijk & Marg. (1959) 106=*Mnium lycopodioides*.
Atrichum speciosum (Hor.) Nog. (1959) 4.=*Mnium lycopodioides*.
Atrichum spinulosum (Card.) Miz. Wang (1970) 530; Chuang (1973) 430.=*A. crispulum*.
Atrichum undulatum (Hedw.) P. Beauv. Wang (1968) 9, (1970) 530; Chuang (1973) 430; Lai et Wang-Yang (1976) 177; Lai (1977) 154; Iwatsuki et Mizutani (1983) 194.
Atrichum undulatum (Hedw.) P. Beauv. var. *gracilisetum* Besch. Lou et Koponen (1986) 43. f. 4. 7. (no citation).
Atrichum yakushimense (Horik.) Miz. Lou et Koponen (1986) 34. f. 1. (no citation).
Barbella asperifolia Card. Noguchi (1948b) 78. f. 32; Wang (1961) 15; Nakanishi (1963) 320; Reese (1966) 212; Inoue (1969) 99. f. 1-5; Iwatsuki (1969) 288; Wang (1970) 481; Iwatsuki et Mizutani (1972) 161. Pl. 23; Wang (1975) 60; Lai et Wang-Yang (1976) 177; Chen et al. (1978) 75.=*B. flagellifera*.
Barbella biformis Noguchi (1976a) 321. f. 39. a-f; Crosby (1979) 239.
Barbella compressiramea (Ren. et Card.) Fl. et Broth. Noguchi (1976a) 310. f. 34.
Barbella cubensis (Mitt.) Broth.
Barbella densiramea Broth. Ihsiba (1932) 65; Noguchi (1948b) 77; Wang (1961) 16.=*B. cubensis*.
Barbella determesii (Ren. et Card.) Fleisch. Noguchi (1948b) 75. f. 30; Wang (1961) 16.=*B. cubensis*.
Barbella enervis (Thwait. et Mitt.) Fleisch. Noguchi (1965) 149, (1968b) 172. f. 121.2; Wang (1967a) 16, (1970) 482; Iwatsuki et Mizutani (1972) 161. f. 79; Noguchi (1972a) 176; Noguchi et Iwatsuki (1975) 269; Wang (1975) 60; Lai et Wang-Yang (1976) 177;

- Noguchi (1976a) 319; Chen *et al.* (1978) 75; Lin (1981) 361; Manuel (1981a) 220; Takaki (1981) 81; Lin et Tsai (1984) 91.=*B. cubensis*.
- Barbella flagellifera* (Card.) Noguchi (1938) 28. f. 3, (1948b) 80; Wang (1961) 16, (1970) 482; Lai et Wang-Yang (1976) 177; Noguchi (1976a) 324. f. 40. 41; Chen *et al.* (1978) 75; Lin (1981) 359, (1983a) 427. f. A-I.
- Barbella formosica* Broth. (1928) 20; Sasaoka (1928a) 131, (1928d) 359.=*B. compressiramea*.
- Barbella levieri* (Ren. et Card.) Fleisch. Broth. (1909) 824, (1924-25) 168; Sasaoka (1928d) 359; Ihsiba (1929) 150; Sakurai (1932b) 740; Ihsiba (1935) 197.=*Pseudobarbella levieri*.
- Barbella ochracea* Noguchi (1936a) 145. f. 1. 11-14.=*Chrysocladium flammeum* ssp. *ochraceum*.
- Barbella pendula* (Sull.) Fleisch. Broth. (1909) 1227, (1924-25) 169; Sasaoka (1928d) 359; Ihsiba (1929) 150; Reimers (1931) 57; Ihsiba (1935) 197; Bartr. (1939) 229. Pl. 17. f. 285; Sakurai (1943) 92; Wang (1961) 16; Noguchi (1965) 149; Wang (1970) 482; Lai et Wang-Yang (1976) 177; Noguchi (1976) 168. f. 47c; Smith (1976) 14; Chen *et al.* (1978) 75; Noguchi (1964c) 185.
- Barbella pendula* auct. non (Sull.) Fleisch.: Horikawa (1939b) 945. Pl. 455.=*B. flagellifera*.
- Barbella rufifolioides* (Broth.) Broth. Wang (1964) 5, (1967b) 99, (1970) 482; Lai et Wang-Yang (1976) 177.=*Chrysocladium flammeum* ssp. *rufifolioides*.
- Barbella rufifolioides* auct. non (Broth.) Broth.: Wang (1967) 7.=*B. flagellifera*.
- Barbula anceps* Cardot (1905) 102. f. 7; Sawada (1914) 4; Sasaoka (1928b) 187; Ihsiba (1929) 68, (1935) 197; Wang (1970) 439.=*Hydrogonium anceps*.
- Barbula arcuata* Griff. Noguchi et Iwatsuki (1975) 253.
- Barbula comosa* Dozy et Molk. Sasaoka (1928b) 187; Ihsiba (1929) 68; Wang (1960) 20, (1970) 439.=*B. arcuata*.
- Barbula consanguinea* (Thwait. et Mitt.) Jaeg. Herz. et Noguchi (1955) 60; Wang (1960) 20, (1969) 5, (1970) 537.=*B. javanica*.
- Barbula convoluta* Hedw. Chuang (1973) 467.
- Barbula cruegeri* Sond. ex C. Muell. Lai et Wang-Yang (1976) 177.
- Barbula cruegeri* non Sond. ex C. Muell.: Saito (1971) 141.=*B. indica*.
- Barbula fallax* Hedw. Sasaoka (1928a) 131, (1928b) 187; Chuang (1973) 467; Lai et Wang-Yang (1976) 177.=*Didymodon fallax*.
- Barbula indica* (Schwaegr.) Brid. Broth. (1924-25) 279; Sasaoka (1928b) 187; Ihsiba (1935) 197; Toyama (1937a) 105; Herz. et Noguchi (1955) 60; Wang (1960) 21; Inoue et Iwatsuki (1969) 294; Wang (1969) 5, (1970) 439; Lin (1981) 360.
- Barbula javanica* Doz. et Molk.
- Barbula nipponica* Nog. Saito et Hirohama (1974) 476.=*Didymodon constrictus*.
- Barbula orientalis* (Web.) Broth. Broth. (1909) 409; Sasaoka (1915) 56; Okamura (1916) 8; Ihsiba (1929) 69; Wang (1960) 21.=*B. indica*.
- Barbula pseudo-ehrenbergii* Fleisch. Wang (1970) 439.=*B. subcomosa*.
- Barbula subcomosa* Broth. Cardot (1905) 102; Sawada (1914) 4; Sasaoka (1928b) 188; Ihsiba (1929) 69, (1935) 197; Wang (1970) 440; Lin (1984b) 345; Lin et Tsai (1984) 86.
- Barbula subinflexa* Broth. Sasaoka (1927) 240, (1928b) 188; Ihsiba (1935) 197. nom. nud.
- Barbula subpellucida* Mitt. var. *hyaloloma* Herz. sensu Wang (1970) 440.=*Hydrogonium subpellucida* var. *hyaloloma*.
- Barbula subulata* Broth. Wang (1969) 6. non (Hedw.) Beauv.=*B. arcuata*.
- Barbula unguiculata* Hedw. Sasaoka (1928) 82, (1928b) 188; Horikawa (1939b) 895. Pl. 430; Wang (1970) 440; Chuang (1973) 467; Wang et Lin (1974) 6. f. 9; Lai et Wang-Yang (1976) 177; Sollman (1984) 54.

- Bartramia alpicola* Noguchi (1938a) 400. f. 9.=*B. halleriana*.
Bartramia crispata Schimper Horikawa (1935d) 415, (1939b) 921. Pl. 443. f. 1-6.=*B. pomiformis*.
Bartramia deciduaefolia Broth. et Yas. (1915) 23. Pl. 3.=*B. ithyphylla*.
Bartramia halleriana Hedw. Iwatsuki (1955) 121; Nakanishi (1963) 321; Wang (1967a) 13, (1970) 464; Iwatsuki et Mizutani (1972) 128. Pl. 17; Chuang (1973) 493; Lai et Wang-Yang (1976) 177; Lin (1981) 359; Lin et Tsai (1984) 89.
Bartramia ithyphylla Brid. Ochi (1962a) 90, (1963) 103; Nakanishi (1963) 321; Wang (1967a) 14, (1970) 464; Iwatsuki et Mizutani (1972) 129. f. 62; Chuang (1973) 493; Lai et Wang-Yang (1976) 177; Lin (1981) 362; Iwatsuki et Mizutani (1983) 195; Lin et Tsai (1984) 89; Noguchi (1964c) 181.
Bartramia morrisonensis Noguchi (1938a) 402. f. 10; Lin (1985) 17.=*B. ithyphylla*.
Bartramia norvegica Lindb. Horikawa (1939a) 363, (1939b) 921. Pl. 443. f. 7-11; Takaki (1943) 174; Yang et Lee (1964) 183.=*B. halleriana*.
Bartramia pomiformis Hedw. Ochi (1963) 103; Wang (1967) 6, (1970) 464; Chuang (1973) 493.
Bartramia pomiformis var. *crispa* (Brid.) B. S. G. Kabiersch (1937) 85.=*B. pomiformis*.
Bartramia pomiformis var. *elongata* Turn. Lai et Wang-Yang (1976) 177; Iwatsuki et Mizutani (1972) 128; Lin et Tsai (1984) 89.
Bartramidula bartramioides (Griff.) Wijk et Marg. Ochi (1963) 103. Pl. 15; Noguchi (1966) 566; Ochi (1969b) 18; Wang (1970) 465; Chuang (1973) 493; Lai et Wang-Yang (1976) 177.
Bartramidula cernua (Wils.) Lindb. Chuang (1973) 393; Lai et Wang-Yang (1976) 177.
Bartramidula griffithiana (Mitt.) Kab. var. *eugriffithiana* auct. non Kab.: Sakurai (1941) 2.=*B. roylei*.
Bartramidula roylei (Hook. f.) B. S. G. Noguchi (1938a) 404. f. 11, (1941) 1; Nakanishi (1963) 320; Ochi (1963) 103. Pl. 15; Wang (1970) 465; Chuang (1973) 493; Noguchi et Iwatsuki (1975) 266; Lai et Wang-Yang (1976) 177; Lin (1984b) 345.
Bartramidula wilsoni Bruch et Schimper Noguchi (1938a) 404. f. 11. A-C; Sakurai (1941) 2; Ochi (1963) 103. Pl. 15; Wang (1970) 465.=*B. cernua*.
Boulaya mitteni (Broth.) Card. Sasaoka (1924) 273.
Brachymenium cellulare (Hook.) Jaeg.
Brachymenium contortum Hampe ex Ochi Ochi (1971) 120, (1971a) 134; Chuang (1973) 481; Lai et Wang-Yang (1976) 177. non Griff.=*B. ochianum*.
Brachymenium exile (Doz. et Molk.) Bosch et Lac. Cardot (1905) 109; Sawada (1914) 5; Ihsiba (1929) 94, (1935) 197; Herz. et Noguchi (1955) 61; Wang (1960) 27; Ochi (1959) 48; Shin (1962) 104; Chen et al. (1963) 262; Ochi (1964) 15. f. 15; Noguchi (1965a) 167. f. 64; Noguchi, Takaki et Inoue (1966) 367; Wang (1970) 545; Ochi (1972) 58; Chuang (1973) 481; Shin (1973) 54; Lai et Wang-Yang (1976) 177; Lin (1981) 360, (1984b) 345; 村越 (1934) 124.
Brachymenium nepalense Hook. ex Schwaegr. Ochi (1959) 49; Horikawa et Ando (1964) 8; Noguchi (1966) 556; Noguchi, Takaki et Inoue (1966) 367; Wang (1967a) 8; Noguchi (1971a) 244, (1972a) 173; Ochi (1972) 58; Lin (1981) 361; Lin et Tsai (1984) 87.
Brachymenium nepalense var. *clavulum* (Mitt.) Ochi Nakanishi (1963) 319; Wang (1967a) 8, (1970) 451; Chuang (1973) 482; Lai et Wang-Yang (1976) 177.
Brachymenium nepalense var. *nepalense* Wang (1970) 451; Chuang (1973) 481; Lai et Wang-Yang (1976) 177.
Brachymenium ochianum Gang.
Brachythecium angustirete Broth. Ihsiba (1935) 197.=*Eurhynchium striatum*.

- Brachythecium auriculatum* Jaeg. Robinson (1963) 137.
- Brachythecium buehneri* (Hook.) Jaeg. Horikawa et Ando (1964) 29; Yang et Lee (1964) 184; Noguchi (1970) 126. f. 186, (1976) 223. f. 64a.
- Brachythecium buehneri* var. *gracillimum* Dix. Takaki (1955a) 19; Wang (1963) 249, (1970) 507; Lai et Wang-Yang (1976) 177; Lin et Tsai (1984) 93.
- Brachythecium eustegium* Besch. Sasaoka (1920a) 19, (1928e) 414.=*Eurhynchium eustegium*.
- Brachythecium formosae* Broth. Ihsiba (1935) 197. nom. nud.
- Brachythecium formosanum* Tak. (1955a) 2. f. 8; Wang (1963) 249; Noguchi (1966) 579; Wang (1970) 507; Lai et Wang-Yang (1976) 177.
- Brachythecium pinnatum* Tak. Nakanishi (1963) 321; Wang (1967a) 22, (1970) 507; Lai et Wang-Yang (1976) 177.
- Brachythecium plumosum* (Sw.) Broth. et Sch. Cardot (1905) 133; Sawada (1914) 7; Okamura (1916) 90; Sasaoka (1928) 78, (1928e) 415; Ihsiba (1929) 220, (1935) 197; Nakanishi (1963) 326; Wang (1963) 249; Noguchi (1966) 579; Wang (1975) 60; Lin et Tsai (1984) 93.
- Brachythecium plumosum* var. *nitidum* (Sak.) Takaki (1955) 55. f. 26; Wang (1970) 507; Lai et Wang-Yang (1976) 177; Lin (1981) 360.
- Brachythecium plumosum* var. *plumosum* Takaki (1955a) 52; Wang (1970) 507; Lai et Wang-Yang (1976) 177.
- Brachythecium populeum* (Hedw.) Br. eur. Sasaoka (1920a) 19, (1928e) 415.=*B. plumosum*.
- Brachythecium procumbens* (Mitt.) Jaeg. Nakanishi (1963) 319; Wang (1967a) 22, (1970) 508; Lai et Wang-Yang (1976) 177; Lin et Tsai (1984) 93.
- Brachythecium rivulare* B. S. G. Takaki (1955a) 31. f. 18; Hong et Kim (1960) 103; Wang (1963) 251; Noguchi (1966) 580; Wang (1970) 508; Lai et Wang-Yang (1976) 178.
- Brachythecium rutabulum* (Hedw.) B. S. G. Takaki (1955a) 33. f. 18; Wang (1963) 251, (1970) 508; Lai et Wang-Yang (1976) 178.
- Brachythecium sakuraii* Broth. Nakanishi (1963) 321; Wang (1967a) 22, (1970) 509; Lai et Wang-Yang (1976) 178.
- Brachythecium sapporensis* (Besch.) Tak. Nakanishi (1963) 321; Wang (1967a) 22, (1970) 509; Lai et Wang-Yang (1976) 178.
- Brachythecium suzukii* Broth. Sasaoka (1928a) 131, Sasaoka (1928e) 415.=*B. plumosum*.
- Brachythecium truncatum* Besch. Ihsiba (1935) 197.=*B. plumosum*.
- Brachythecium wichurae* (Broth.) Par. Nakanishi (1963) 319; Wang (1967a) 23, (1970) 509; Iwatsuki et Mizutani (1972) 218. f. 112; Lai et Wang-Yang (1976) 178.
- Breutelia arundinifolia* (Dub.) Fleisch. Horikawa (1936c) 23; Nakanishi (1963) 322; Noguchi (1967a) 102. f. 94; Zanten (1968) 138; Wang (1970) 467; Chuang (1973) 494; Iwatsuki et Noguchi (1975) 323; Lai et Wang-Yang (1976) 178; Manuel (1981a) 220; Chiang et Lin (1984) 34; Lin et Tsai (1984) 90.
- Breutelia chrysocoma* auct. non (Dicks.) Lindb.: Yang et Lee (1964) 183 f. 4; Wang (1967a) 15, (1970) 468.=*Fleischenobryum longicolle*.
- Brothera leana* (Sull.) C. Muell. Nakanishi (1963) 321; Wang (1967a) 4; Takaki (1968) 286. f. 2; Iwatsuki et Sharp (1970) 164; Wang (1970) 425; Chuang (1973) 450; Wang et Lin (1974) 6. f. 13; Lai et Wang-Yang (1976) 178; Lin (1981) 359.
- Brotherella crassipes* Sakurai (1949a) 133. f. 1; Wang (1963) 229, (1970) 515; Lai et Wang-Yang (1976) 178.=*Pylaisiadelphina crassipes*.
- Brotherella falcata* (Doz. et Molk.) Fleisch. Broth. (1924-25) 425; Sasaoka (1928e) 417; Sakurai (1943) 91, (1949a) 139; Wang (1963) 229; Horikawa et Ando (1964) 32; Wang (1970) 515; Lai et Wang-Yang (1976) 178; Chen et al. (1978) 238; Smith (1976) 78; Lin (1981) 361; Lin et Tsai (1984) 94.=*Pylaisiadelphina falcata*.

- Brotherella fauriei* (Card.) Broth. Nakanishi (1963) 321; Wang (1967a) 25, (1970) 515; Lai et Wang-Yang (1976) 178; Lin et Tsai (1984) 94. = *Pylaisiadelphina fauriei*.
- Brotherella formosana* Broth. Broth. (1924-25) 424; Sasaoka (1920) 285, (1928e) 417; Ihsiba (1929) 249, (1935) 197; Sasaoka (1935) 68; Sakurai (1949a) 139; Nakanishi (1963) 323; Wang (1963) 229, (1970) 515; Chen *et al.* (1978) 248; Lai et Wang-Yang (1976) 178. = *Pylaisiadelphina formosana*.
- Brotherella henoni* (Dub.) Fleisch. Wang (1963) 229, (1970) 515; Iwatsuki et Mizutani (1972) 242. Pl. 33; Lai et Wang-Yang (1976) 178. = *Pylaisiadelphina henonii*.
- Brotherella herbacea* Sak. ex Oti Wang (1967a) 24, (1970) 518; Nakanishi (1963) 321; Lai et Wang-Yang (1976) 178. = *Pylaisiadelphina herbacea*.
- Brotherella integrifolia* Broth. (1928) 24; Sasaoka (1927) 241, (1928e) 417; Ihsiba (1935) 197; Sakurai (1949a) 139; Wang (1963) 229, (1970) 516; Chen *et al.* (1978) 248; Lai et Wang-Yang (1976) 178; Lin (1981) 362. = *Pylaisiadelphina integrifolia*.
- Brotherella recurvans* (Michx.) Fleisch. Nakanishi (1964a) 71; Wang (1967a) 25, (1970) 516; Lai et Wang-Yang (1976) 178. = *Pylaisiadelphina recurvans*.
- Brotherella* sp. Iwatsuki (1969) 289. = *Pylaisiadelphina* sp.
- Brotherella subintegra* Broth. (1928) 24; Sasaoka (1928a) 131, (1928e) 417; Ihsiba (1935) 197; Sakurai (1949a) 139; Nakanishi (1963) 323; Wang (1963) 229, (1970) 516; Lai et Wang-Yang (1976) 178; Chen *et al.* (1978) 248. = *Pylaisiadelphina subintegra*.
- Brotherella yokohamae* (Broth.) Broth. Nakanishi (1963) 321; Wang (1967a) 25, (1970) 516; Ando (1972a) 77. f. 5; Lai et Wang-Yang (1976) 178; Noguchi et Inoue (1981) 43; Lin et Tsai (1984) 94. = *Pylaisiadelphina yokohamae*.
- Bryhnia nitida* Sakurai (1941a) 210. f. 11. = *Brachythecium plumosum* var. *nitidum*.
- Bryoerythrophyllum recurvirostre* (Hedw.) Chen Chuang (1973) 467; Lai et Wang-Yang (1976) 178; Lin et Tsai (1984) 86. = *Oxystegus recurvifolius*.
- Bryohaplocladium angustifolium* (Hampe et C. Muell.) Watanabe et Iwatsuki (1981) 259.
- Bryohaplocladium larminatii* (Broth. et Par.) Watanabe et Iwatsuki (1981) 259.
- Bryohaplocladium microphyllum* (Hedw.) Watanabe et Iwatsuki (1981) 260.
- Bryoxiphium norvegicum* (Brid.) Mitt. ssp. *japonicum* (Berggr.) Löve et Löve Nakanishi (1963) 326, (1964) 23. f. 1; Iwatsuki et Sharp (1966) 29; Pocs (1966) 35. f. 1.2; Wang (1967a) 3; Inoue (1969) 115. f. 1-7; Wang (1970) 442; Iwatsuki et Mizutani (1972) 62, Pl. 5; Chuang (1973) 449; Lai et Wang-Yang (1976) 178; Noguchi (1976) 74. f. 20; Lin (1981) 360; Lin et Tsai (1984) 85.
- Bryum ambiguum* Dub. Sasaoka (1928a) 131, (1928b) 191. = *B. apiculatum*.
- Bryum ambiguum* f. *excedente* Broth. Sasaoka (1928b) 191.
- Bryum ambiguum* f. *nervoexcedente* Broth. Sasaoka (1928a) 131.
- Bryum apiculatum* Schwaegr.
- Bryum argenteum* Hedw. Cardot (1905) 110; Sawada (1914) 5; Okamura (1916) 18; Sasaoka (1928) 80, (1928b) 191; Ihsiba (1929) 96, (1935) 198; Horikawa (1939b) 907. Pl. 436; Ochi (1959) 105; Wang (1960) 28; Ochi (1964) 15. f. 15; Wang (1964) 4, (1967b) 98, (1970) 452; Chuang (1973) 481; Lai et Wang-Yang (1976) 178; Lin et Tsai (1984) 87; 村越 (1934) 123. Pl. 26-242.
- Bryum argenteum* Hedw. var. *lanatum* (P. Beauv.) Hampe Sasaoka (1928a) 131, (1928b) 191; Ochi (1959) 105; Wang (1967a) 8. = *B. argenteum*.
- Bryum atrovirens* Vill. ex Brid. Wang (1970) 452; Chuang (1973) 483; Lai et Wang-Yang (1976) 178.
- Bryum bicolor* Dicks. Ochi (1959) 101; Wang (1967a) 8, (1970) 452; Chuang (1973) 483; Lai et Wang-Yang (1976) 178.
- Bryum billardieri* Schwaegr. Ochi (1972) 60; Chuang (1973) 485; Lai et Wang-Yang (1976) 178; Lin et Tsai (1984) 87.

- Bryum blandum* Hook. f. et Wils. ssp. *handelii* (Broth.) Ochi Chuang (1973) 483; Noguchi et Iwatsuki (1975) 259; Lai et Wang-Yang (1976) 178; Lin et Tsai (1984) 87.
- Bryum caespiticum* Hedw. Ochi (1959) 86. Text-fig. 28; Wang (1967a) 9, (1970) 453; Chuang (1973) 483; Lai et Wang-Yang (1976) 178.
- Bryum capillare* Hedw. Sasaoka (1928b) 191; Horikawa (1939b) 907. Pl. 436; Ochi (1968a) 35; Wang (1970) 453; Chuang (1973) 483; Lai et Wang-Yang (1976) 178; Lin et Tsai (1984) 87.
- Bryum capillare* Hedw. var. *rubrolimbium* (Broth.) Bartr. Ochi (1957) 241, (1959) 88; Noguchi (1965b) 182. f. 72; Wang (1967a) 9; Noguchi (1976) 120. f. 32.=*B. capillare*.
- Bryum cellulare* Hook. Herz. et Noguchi (1955) 61; Ochi (1959) 60; Wang (1960) 28; Shin (1962) 104; Nakanishi (1963) 319; Noguchi (1965b) 181. f. 70; Iwatsuki (1969) 288; Wang (1970) 454; Ochi (1972) 53; Chuang (1973) 483; Shin (1973) 54; Wang et Lin (1974) 8. f. 20; Lai et Wang-Yang (1976) 178; Noguchi (1976) 120. f. 31; Smith (1976) 71; Lin (1984a) 16. f. 8, (1984d) 61. f. 8.=*Brachymenium cellulare*.
- Bryum cellulare* var. *epipterygioides* (Ochi) Ochi (1959) 63; Shin (1962) 105.=*Brachymenium cellulare*.
- Bryum coronatum* Schwaegr. Sasaoka (1927) 241, (1928b) 192; Ihsiba (1929) 98, (1935) 198; Ochi (1959) 103. Text-fig. 31; Wang (1960) 28, (1967b) 99, (1970) 455; Chuang (1973) 484; Lai et Wang-Yang (1976) 178; 村越 (1934) 124.
- Bryum coronatum* var. *macrostomum* Herz. in Herz. et Noguchi (1955) 61.=*B. coronatum*.
- Bryum erythrocarpum* Schwaegr. Ochi (1959) 89. Text-fig. 29; Wang (1967a) 9; Iwatsuki et Mizutani (1972) 115. f. 57; Shin (1973) 54.=*B. atrovirens*.
- Bryum filiforme* Dicks. var. *filiforme* Wang (1970) 455.=*Anomobryum julaceum*.
- Bryum filiforme* Dicks. var. *concinatum* (Spruce) Boulay Nakanishi (1963) 320; Wang (1970) 456.=*Anomobryum julaceum*.
- Bryum formosanum* Broth. Broth. (1924-25) 384; Sasaoka (1920) 285, (1928b) 192; Ihsiba (1929) 98, (1935) 198; Wang (1960) 29; Chen *et al.* (1963) 269.=*Brachymenium cellulare*.
- Bryum fujii* C. Muell. Sasaoka (1928b) 192.=*B. argenteum*.
- Bryum gedeanum* Bosch et Lac. Wang (1972) 51.=*Pohlia gedeanum*.
- Bryum giganteum* (Schwaegr.) Arnott Horikawa et Ando (1964) 9; Wang (1970) 456; Chiang et Lin (1984) 34; Lin et Tsai (1984) 88.=*Rhodobryum giganteum*.
- Bryum handelii* Broth. Ochi (1968) 480. f. 1, (1968a) 38; Wang (1970) 456.=*B. blandum* ssp. *handelii*.
- Bryum japonense* (Besch.) Broth. Cardot (1905) 110; Sawada (1914) 5; Sasaoka (1928b) 192; Ihsiba (1929) 99, (1935) 198; Noguchi et Hattori (1952) 68; Herz. et Noguchi (1955) 61; Ochi (1956) 165; Wang (1960) 29.=*Brachymenium cellulare*.
- Bryum julaceum* Smith Ochi (1959) 95; Wang (1967a) 10.=*Anomobryum julaceum*.
- Bryum julaceum* var. *concinatum* (Spruce) Weiss Ochi (1959) 95, (1962b) 155; Wang (1967a) 10.=*Anomobryum julaceum*.
- Bryum leptocaulon* Cardot (1905) 111. f. 12; Sawada (1914) 5; Broth. (1924) 387; Sasaoka (1928b) 192; Ihsiba (1929) 99, (1935) 198; Ochi (1959) 82, Text-fig. 26, (1961) 116; Wang (1960) 29; Ochi (1968a) 35; Wang (1970) 456; Chuang (1973) 484; Lai et Wang-Yang (1976) 178.
- Bryum nagasakense* Broth. Amakawa et Osada (1956) 48.=*B. capillare*.
- Bryum nitens* Hook. Shin (1973) 54; Lai et Wang-Yang (1976) 178.=*B. apiculata*.
- Bryum noguchii* Ochi Wang (1962b) 155, (1967a) 10.=*B. recurvulum*.
- Bryum pallescens* Schleich. ex Schwaegr. Nakanishi (1963) 326; Wang (1967a) 10, (1970) 456; Chuang (1973) 484; Lai et Wang-Yang (1976) 178; Lin et Tsai (1984) 88.

- Bryum paradoxum* Schwaegr. Ochi (1968a) 38; Wang (1970) 457; Chuang (1973) 484; Lai et Wang-Yang (1976) 178; Noguchi (1976) 121. f. 32.
- Bryum petelotii* Ther. et Henry Ochi (1968a) 38; Wang (1970) 457; Chuang (1973) 484; Lai et Wang-Yang (1976) 178.
- Bryum plumosum* Doz. et Molk. Ochi (1968a) 36; Wang (1968) 4; Ochi (1969) 158. f. 37; Wang (1970) 457; Chuang (1973) 484.=*B. apiculatum*.
- Bryum porphyroneuron* C. Muell. Sasaoka (1928a) 131, (1928b) 192; Ochi (1959) 93. Text-fig. 30, (1961) 116; Wang (1967a) 11.=*B. apiculatum*.
- Bryum pseudo-alpinum* Ren. et Card. Ochi (1959) 99; Hong et Kim (1960) 101; Shin (1962) 106; Noguchi (1965b) 182. f. 73.=*B. paradoxum*.
- Bryum pseudotriquetrum* (Hedw.) Schwaegr. Ochi (1959) 78. Text-fig. 25; Nakanishi (1963) 326; Wang (1967a) 11.
- Bryum pseudotriquetrum* (Hedw.) Schwaegr. var. *gracilens* (Card.) Ochi Nakanishi (1963) 323; Shin (1964a) 131; Wang (1967a) 12; Ochi (1968a) 35; Wang (1970) 459; Chuang (1973) 484; Lai et Wang-Yang (1976) 78; Lin (1981) 362; Lin et Tsai (1984) 88.
- Bryum pseudotriquetrum* (Hedw.) Schwaegr. var. *pseudotriquetrum* Wang (1970) 457; Chuang (1973) 484; Lai et Wang-Yang (1976) 178.
- Bryum pulchro-alare* Broth. Ochi (1959) 98, (1962b) 155; Wang (1967a) 12.=*B. blandum* ssp. *handellii*.
- Bryum ramosum* (Hook.) Mitt. Card. (1905) 111; Sawada (1914) 5; Sasaoka (1921a) 272, (1928b) 192; Ihsiba (1929) 101, (1935) 198; Bartr. (1939) 142. Pl. 11. f. 176; Shin (1951) 122; Herz. et Noguchi (1955) 61; Wang (1964) 5, (1960) 29.=*B. billardieri*.
- Bryum recurvulum* Mitt. Noguchi (1966) 558; Ochi (1968a) 36, (1971) 122; Wang (1970) 459; Noguchi (1971a) 245; Chuang (1973) 485; Lai et Wang-Yang (1976) 178.
- Bryum roseum* (Hedw.) Cromwell Ochi (1959) 10; Shin (1964a) 131; Wang (1970) 459.=*Rhodobryum roseum*.
- Bryum salakense* Card. Ochi (1968a) 35, (1968c) 170, (1969) 166; Wang (1970) 460; Noguchi (1971a) 245; Ochi (1971) 122; Chuang (1973) 485; Noguchi et Iwatsuki (1975) 261; Lai et Wang-Yang (1976) 178.
- Bryum sasaokae* Broth. Sasaoka (1918) 135, (1921) 68, (1928b) 192; Ihsiba (1935) 198.=*B. bicolor*.
- Bryum suzukii* Broth. Sasaoka (1927) 241, (1928b) 192; Ihsiba (1935) 198. =*B. pseudotriquetrum* var. *pseudotriquetrum*.
- Bryum taitumense* Cardot (1905) 110. f. 11; Broth. (1909) 1206; Sasaoka (1928b) 193; Ihsiba (1929) 102, (1935) 198; Sawada (1913) 5; Ochi (1957) 232; Wang (1960) 29.=*B. capillare*.
- Bryum teretiusculum* Hook. Noguchi (1966) 558.=*B. paradoxum*.
- Bryum truncorum* (Brid.) Brid. Ochi (1959) 107; Nakanishi (1963) 320; Wang (1970) 460, (1967b) 99; Noguchi (1972a) 173.=*B. billardieri*.
- Bryum wichurae* Broth. Sasaoka (1928b) 193; Ihsiba (1929) 103, (1935) 198; Wang (1960) 30; 村越 (1934) 124. =*B. billardieri*.
- Bryum yasudae* (Broth.) Ochi Ochi (1959) 77, (1962) 246, (1962b) 155; Nakanishi (1963) 326; Wang (1967a) 12; Ochi (1968a) 36; Wang (1970) 460; Noguchi et Iwatsuki (1975) 261.
- Bryum argenteum* var. *lanatum* (P. Beauv.) B. S. G. × *Brachymenim exile* (Doz. et Molk.) Bosch et Lac. Shin (1964a) 131; Wang (1967a) 12.=*Bryum petelotii*.
- Buxbaumia minakatae* Okam. Chuang et Iwatsuki (1970) 68; Chuang (1973) 436; Lai et Wang-Yang (1976) 178; Schofield et Crum (1972) 182. f. 5.

- Callicostella papillata* (Mont.) Mitt. Cardot (1905) 125; Sawada (1914) 6; Broth. (1924-25) 239; Sasaoka (1928d) 362; Ihsiba (1929) 170, (1935) 198; Horikawa (1934b) 716; Noguchi (1937b) 788; Wang (1961) 28; Shin (1962) 103; Yang et Lee (1964a) 75; Shin (1965) 268; Whittier (1976) 274. f. 78; Zanten (1968) 148; Noguchi (1972a) 178, (1973b) 247; Chen *et al.* (1978) 122. f. 267.=*Schizomitrium papillatum*.
- Callicostella papillata* form. *longifolia* Fleisch. Herz. et Noguchi (1955) 65; Wang (1961) 28, (1970) 493; Lai et Wang-Yang (1976) 178.=*Schizomitrium papillatum* var. *longifolium*.
- Callicostella papillata* f. *papillata* Wang (1970) 493; Lai et Wang-Yang (1976) 178; Lin (1981) 361.=*Schizomitrium papillatum* var. *papillatum*.
- Calliergonella schreberi* (Brid.) Grout Nakanishi (1963) 322; Wang (1967b) 94, (1970) 518; Lai et Wang-Yang (1976) 178.=*Pleurozium schreberi*.
- Calymperes cristatus* Hampe Noguchi (1939) 755; Chen *et al.* (1963) 171; Wang (1970) 537.
- Calymperes dozyanum* Mitt. Chuang (1973) 463; Lai et Wang-Yang (1976) 178.
- Calymperes fasciculatum* Doz. et Molk.
- Calymperes johannis-winkleri* Broth. var. *hasegawae* (Tak. et Iwats.) Iwats. Chuang (1973) 463; Iwatsuki (1977) 357; Lai et Wang-Yang (1976) 179; Lin, P. J. (1984) 271.=*C. fasciculatum*.
- Calymperes longifolium* Mitt. Chuang (1973) 464; Lai et Wang-Yang (1976) 179.
- Calymperes serratum* A. Brown ex C. Muell. Herz. et Noguchi (1955) 60; Wang (1960) 12, (1969) 4, (1970) 536; Chuang (1973) 464; Lai et Wang-Yang (1976) 179; Lin, P. J. (1984) 270.
- Calymperes strictifolium* (Mitt.) Roth Wang (1969) 5, (1970) 433; Chuang (1973) 464; Lai et Wang-Yang (1976) 179.
- Calymperes tahitense* (Sull.) Mitt. Herz. et Noguchi (1955) 60; Wang (1960) 12; Chen *et al.* (1963) 171; Zanten (1968) 142; Wang (1970) 537; Chuang (1973) 463; Lai et Wang-Yang (1976) 179; Smith (1976) 68; Whittier (1976) 142; Lin, P. J. (1984) 270.=*C. taitense*.
- Calymperes taitense* (Sull.) Mitt.
- Calymperes tenerum* C. Muell. Herz. et Noguchi (1955) 60; Wang (1960) 12; Zanten (1968) 137; Chen *et al.* (1963) 171; Wang (1969) 5, (1970) 537; Chuang (1973) 464; Lai et Wang-Yang (1976) 179; Smith (1976) 68; Lin, P. J. (1984) 270.
- Calymperes tuberculosum* (Dix. et Ther.) Broth. Herz. et Noguchi (1955) 60; Wang (1960) 12; Chen *et al.* (1963) 171; Yang et Lee (1964) 182; Lin, P. J. (1984) 270.=*C. strictifolium*.
- Calypothecium caudatum* Bartr. Lai et Wang-Yang (1976) 179; Wang (1961) 19, (1970) 485.=*C. ramosii*.
- Calypothecium caudatum* auct. non Bartr.: Herz. et Noguchi (1955) 64.=*C. compressum*.
- Calypothecium compressum* Nog. Noguchi (1986) 156.
- Calypothecium cuspidatum* (Okam.) Noguchi (1939a) 217. Pl. 19. f. 12-17, (1950a) 3; Wang (1961) 19; Nakanishi (1963) 320; Wang (1964) 5, (1967b) 99.=*C. hookeri*.
- Calypothecium cuspidatum* f. *cuspidatum* Wang (1970) 485.=*C. hookeri*.
- Calypothecium cuspidatum* var. *latifolium* Noguchi (1939a) 218. Pl. 19. f. 20-25, (1950a) 4, (1953b) 59; Wang (1961) 19, (1970) 485; Chen *et al.* (1978) 58.=*C. hookeri*.
- Calypothecium cuspidatum* f. *robustum* (Broth.) Noguchi (1939a) 217. Pl. 19. f. 18. 19, (1950a) 3; Wang (1961) 19, (1970) 485.=*C. hookeri*.
- Calypothecium densiramea* Broth. Ihsiba (1935) 198.=*C. urvilleanum*.
- Calypothecium formosanum* Broth. (1924-25) 184; Sasaoka (1920) 285, (1921) 68, (1928d) 361; Ihsiba (1929) 155, (1935) 198; Noguchi (1950a) 3; Wang (1960) 20; Chen *et al.* (1978) 58.=*C. wightii*.

- Calypsothecium hookeri* (Mitt.) Broth. Noguchi (1965c) 63. f. 1-3, (1966) 569; Wang (1967a) 17, (1970) 486; Noguchi (1970a) 106, (1971a) 248, (1972a) 174, (1973b) 242; Wang (1975) 60; Lai et Wang-Yang (1976) 179; Lin (1981) 361; Iwatsuki et Mizutani (1983) 195.
- Calypsothecium japonicum* Ther. Noguchi (1939a) 216. Pl. 19. f. 1-11, (1950a) 3; Wang (1961) 20, (1964) 5, (1967b) 99.=*C. urvilleanum*.
- Calypsothecium pinnatum* Noguchi (1935) 471. f. 3; Ihsiba (1935) 198; Noguchi (1950a) 4; Wang (1961) 20; Nakanishi (1963) 322; Noguchi (1966) 569, (1965c) 64; Wang (1970) 486; Noguchi (1973b) 242; Noguchi et Iwatsuki (1975) 268; Lai et Wang-Yang (1976) 179.
- Calypsothecium ramosii* Broth.
- Calypsothecium robustum* Broth. Sasaoka (1927) 241, (1928d) 361; Ihsiba (1932) 71, (1935) 198; Herz. et Noguchi (1955) 64.=*C. hookeri*.
- Calypsothecium tumidum* (Mitt.) Fleisch. Sasaoka (1920a) 19, (1938d) 361; Ihsiba (1929) 155, (1935) 198; Wang (1961) 20.
- Calypsothecium urvilleanum* (C. Muell.) Broth. Noguchi (1965c) 66; Wang (1967a) 17; Whittier (1976) 241. f. 67; Iwatsuki et Mizutani (1972) 165. f. 82; Wang (1970) 486; Lai et Wang-Yang (1976) 179; Lin et Tsai (1984) 91.
- Calypsothecium wightii* (Mitt.) Fleisch. Noguchi (1965c) 65. f. 78, (1966) 569; Wang (1967a) 18, (1970) 486; Noguchi (1972a) 174; Lai et Wang-Yang (1976) 179; Noguchi (1986) 156. f. 5. h-j.
- Calypsochaeta japonica* (Card. et Ther.) Iwats. et Nog.
- Calypsochaeta parviretis* (Fleisch.) Iwatsuki, Tan et Tow.
- Calypsochaeta spinosa* (Nog.) Ninh Lin (1984) 55.
- Camptothecium auriculatum* (Jaeg.) Broth. Takaki (1955) 21. f. 6; Wang (1963) 249, (1970) 506; Chen *et al.* (1978) 203; Lai et Wang-Yang (1976) 179.=*Brachythecium auriculatum*.
- Campylium enerve* Herz. et Noguchi (1955) 67. f. 23; Wang (1963) 223, (1970) 504; Lai et Wang-Yang (1976) 179; Chen *et al.* (1978) 185.=*Ctenidium enerve*.
- Campylium serratifolium* (Card.) Herz. et Noguchi (1955) 67; Wang (1970) 504; Lai et Wang-Yang (1976) 179; Chen *et al.* (1978) 185.=*Ctenidium serratifolium*.
- Campylopodium euphorocladium* (C. Muell.) Besch. Cardot (1905) 93; Sawada (1914) 2; Sasaoka (1928b) 183; Ihsiba (1929) 31; Sakurai (1932b) 737; Ihsiba (1935) 198; Chen *et al.* (1963) 123. f. 76; Wang (1960) 7, (1970) 423; Chuang (1973) 450; Noguchi (1973b) 235; Lai et Wang-Yang (1976) 179; Lin (1984b) 345.=*Campylopodium medium*.
- Campylopodium medium* (Duby) Giese et J. P. Frahm Giese et Frahm (1986a) 126. f. 1-22.
- Campylopus aureus* Bosch et Lac. Cardot (1905) 95; Sawada (1914) 3; Sasaoka (1928b) 183; Ihsiba (1929) 32, (1935) 198; Wang (1960) 7; Chen *et al.* (1963) 127; Takaki (1967) 246; Wang (1970) 423; Chuang (1973) 451; Lai et Wang-Yang (1976) 179.
- Campylopus blumii* (Doz. et Molk.) Bosch et Lac. Cardot (1905) 96; Sawada (1914) 3.=*C. umbellatus*.
- Campylopus caudatus* (C. Muell.) Mont. Chuang (1973) 452; Lai et Wang-Yang (1976) 179.
- Campylopus fragilis* (Brid.) B. S. G. Iwatsuki et Sharp (1970) 164; Iwatsuki et Mizutani (1972) 68; Chuang (1973) 452; Lai et Wang-Yang (1976) 179.
- Campylopus gracilentus* Cardot (1905) 94. f. 3; Sawada (1914) 3; Broth. (1909) 1185, (1924-25) 185; Sasaoka (1928b) 183; Ihsiba (1929) 32; Sakurai (1932b) 737; Ihsiba (1935) 198; Wang (1960) 7, (1970) 423; Chuang (1973) 452; Lai et Wang-Yang (1976) 179; Lin et Tsai (1984) 85.
- Campylopus gracilentus* Card. var. *brevifolius* Cardot (1905) 95; Sawada (1914) 3; Ihsiba (1929) 32, (1935) 198; Wang (1970) 423.

- Campylopus gracilis* (Mitt.) Jaeg. Chuang (1973) 505; Lai et Wang-Yang (1976) 179.
- Campylopus japonicus* Broth. Cardot (1905) 95; Sawada (1914) 3; Broth. (1924-25) 186; Sasaoka (1928) 78, (1928b) 183; Ihsiba (1929) 32, (1935) 198; Shin (1951b) 270; Wang (1960) 7; Hong et Kim (1960) 101; Chen *et al.* (1963) 126; Takaki (1967) 240. f. 5. 6.; Wang (1970) 423; Iwatsuki et Mizutani (1972) 67. Pl. 6; Chuang (1973) 453; Hirohama (1976) 63; Noguchi (1976) 77. f. 21b; Lai et Wang-Yang (1976) 179; Lin (1981) 360; Lin et Tsai (1984) 85.
- Campylopus laxitextus* Lac. Chuang (1973) 453; Lai et Wang-Yang (1976) 179.
- Campylopus leptoneuron* Broth. Ihsiba (1935) 198. nom. nud.
- Campylopus nakamurae* Sakurai (1941a) 212. f. 13; Wang (1970) 424.=*C. japonicus*.
- Campylopus richardii* Brid. Noguchi (1966) 546; Takaki (1967) 236. f. 3; Wang (1970) 424; Chuang (1973) 453; Noguchi et Iwatsuki (1975) 249; Lai et Wang-Yang (1976) 179; Lin (1981) 359, (1984b) 345.=*C. umbellatus*.
- Campylopus schwarzii* Schimp. Takaki (1967) 233. f. 1; Wang (1968) 2, (1970) 424; Chuang (1973) 453; Noguchi et Iwatsuki (1975) 249; Iwatsuki et Mizutani (1972) 68; Lai et Wang-Yang (1976) 179; Iwatsuki et Mizutani (1983) 195.
- Campylopus* sp. 1. Iwatsuki (1969) 289.
- Campylopus* sp. 2. Iwatsuki (1969) 289.
- Campylopus taiwanensis* Sakurai (1941a) 206. f. 4; Wang (1970) 424; Chuang (1973) 453; Lai et Wang-Yang (1976) 179.
- Campylopus umbellatus* (Arn.) Par. Whittier (1976) 89; Iwatsuki (1978) 555; Iwatsuki et Mizutani (1983) 195; Frahm (1984) 600.
- Catherineae gigantea* Hor. Horikawa (1950) 33.=*Atrichum crispulum*.
- Catharineae speciosa* Horikawa (1936d) 670. Text-fig. 12.=*Mnium lycopodioides*.
- Catharineae undulata* (Linn.) Weber et Mohr Horikawa (1936a) 385, (1939b) 977. Pl. 471. =*Atrichum undulatum*.
- Ceratodon purpureus* (Hedw.) Brid. Horikawa (1939b) 883. Pl. 424. f. 1-5; Wang (1960) 5, (1967b) 94; Schofield (1974) 16. map 4; Lin et Tsai (1984) 84.
- Ceratodon purpureus* var. *formosicus* Cardot (1905) 100; Sawada (1914) 3; Sasaoka (1928b) 183; Ihsiba (1929) 24; Wang (1970) 421; Chuang (1973) 446; Lai et Wang-Yang (1976) 179.
- Ceratodon purpureus* var. *purpureus* Chuang (1973) 446; Lai et Wang-Yang (1976) 179.
- Ceratodon stenocarpus* Bruch et Schimp. ex C. Muell. Noguchi (1951) 40; Wang (1960) 5, (1970) 422; Chuang (1973) 446; Lai et Wang-Yang (1976) 179; Lin (1981) 361.
- Chaetomitriopsis glaucocarpa* (Reinw.) Fleisch. Brotherus (1924-25) 260; Sasaoka (1928d) 363; Ihsiba (1929) 170, (1935) 198; Sakurai (1937b) 11; Bartr. (1939) 273. Pl. 20. f. 348; Wang (1961) 29; Yang et Lee (1964a) 76; Wang (1970) 494; Shin (1971) 52, (1973) 55; Lai et Wang-Yang (1976) 179; Chen *et al.* (1978) 125. f. 269; 村越 (1934) 104; Manuel (1981a) 220.
- Chaetomitrium acanthocarpum* Bosch et Lac. Yang et Lee (1964a) 75. Pl. I. f. 1-3; Wang (1967a) 19, (1970) 494; Lai et Wang-Yang (1976) 179.
- Chaetomitrium orthorrhynchum* (Doz. et Molk.) Bosch et Lac. Yang et Lee (1964a) 76. Pl. I. f. 4-10; Wang (1967a) 19, (1970) 494; Lai et Wang-Yang (1976) 179.
- Chinostomum rostratum* (Griff.) C. Muell. Nakanishi (1963) 325; Wang (1963) 228, (1967a) 24; Tixier (1977) 429. f. 13.
- Chinostomum rostratum* var. *microcarpum* Broth. Sasaoka (1920) 285, (1921) 68, (1928e) 417; Ihsiba (1929) 249, (1935) 198; Broth. (1924-25) 423; Wang (1970) 515; Lai et Wang-Yang (1976) 179; Chen *et al.* (1978) 247.=*C. rostratum*.

- Chinostomum rostratum* var. *microcarpum* auct. non Broth.: Sakurai (1932) 382. = *Sematomyllum subhumile* ssp. *japonicum*.
- Chinostomum rostratum* var. *rostratum* Wang (1970) 515; Lai et Wang-Yang (1976) 179. = *C. rostratum*.
- Chrysocladium flammeum* (Mitt.) Fl. Lin (1981) 360; Wu et Lin (1985a) 3. Pl. 3.
- Chrysocladium flammeum* ssp. *ochraceum* (Nog.) Noguchi (1976a) 270. f. 14; Lin (1981) 359; Wu et Lin (1985a) 4. Pl. 4.
- Chrysocladium flammeum* ssp. *rufifolioides* (Broth.) Nog.
- Chrysocladium pensile* (Mitt.) Fleisch. Broth. (1909) 1226, (1924-25) 171; Sasaoka (1928d) 359. = *C. retrorsum*.
- Chrysocladium phaeum* (Mitt.) Fleisch. Noguchi (1965) 152. f. 4. 5, (1966) 572; Wang (1967a) 16, (1970) 480; Lai et Wang-Yang (1976) 179; Noguchi (1976a) 265. f. 13; Chen *et al.* (1978) 82; Tan (1984) 7; Wu et Lin (1985a) 3. Pl. 2.
- Chrysocladium retrorsum* (Mitt.) Fleisch. Broth. (1909) 1226, (1924-25) 171. f. 560; Sasaoka (1928d) 359; Ihsiba (1929) 151, (1935) 198; Horikawa (1939b) 947. Pl. 456; Nog. (1948b) 63; Herz. et Noguchi (1955) 64; Nakanishi (1963) 320; Wang (1964) 6, (1967b) 100; Iwatsuki et Mizutani (1972) 160. Pl. 22; Noguchi (1976) 165. f. 46c, (1976a) 264; Takaki (1981) 81; Lin et Tsai (1984) 91; Wu et Lin (1985a) 1. Pl. 1.
- Chrysocladium retrorsum* auct. non (Mitt.) Fleisch.: Lin (1981) 361. = *Meteoriopsis reclinata*.
- Chrysocladium retrorsum* (Mitt.) Fleisch. var. *kiusiuense* (Broth. et Par.) Card. Noguchi (1948b) 65. f. 23; Wang (1961) 14, (1970) 480; Lai et Wang-Yang (1976) 179; Chen *et al.* (1978) 81. = *C. retrorsum*.
- Chrysocladium retrorsum* var. *pensile* (Mitt.) Card. Ihsiba (1929) 151, (1935) 198; Wang (1961) 14; Lai et Wang-Yang (1976) 179. = *C. retrorsum*.
- Chrysocladium retrorsum* var. *pinnatum* (Broth. et Par.) Card. ex Nog. Noguchi (1948b) 65. f. 23; Wang (1961) 14, (1970) 481; Lai et Wang-Yang (1976) 179. = *C. retrorsum*.
- Chrysocladium retrorsum* var. *retrorsum* Wang (1970) 480; Lai et Wang-Yang (1976) 179. = *C. retrorsum*.
- Chrysocladium retrorsum* var. *taiwanense* Noguchi (1948b) 66. f. 24; Wang (1961) 14, (1970) 481; Lai et Wang-Yang (1976) 179; Chen *et al.* (1978) 81. = *C. retrorsum*.
- Chrysocladium robustum* Noguchi (1934) 120. f. 2; Ihsiba (1935) 198; Noguchi (1948b) 67; Wang (1961) 14. = *C. phaeum*.
- Claopodium aciculum* (Broth.) Broth. Wang (1963) 217; Noguchi (1964b) 29. f. 11-14; Shin (1967) 112; Chuang et Iwatsuki (1970) 68; Wang (1970) 499; Watanabe (1971) 170 f. 1; Iwatsuki et Mizutani (1972) 197. f. 99; Watanabe (1972) 215. Pl. 33; Lai et Wang-Yang (1976) 180; Lin (1981) 361; Takaki (1981) 81.
- Claopodium aciculum* var. *brevifolium* Card. Herz. et Noguchi (1955) 66. = *C. aciculum*.
- Claopodium assurgens* (Sull. et Lesq.) Card. Broth. (1924-25) 318; Ihsiba (1929) 191; Horikawa (1935e) 505; Herz. et Noguchi (1955) 66; Wang (1963) 217; Horikawa et Ando (1964) 28; Noguchi (1964b) 37. f. 38; Shin (1967) 112; Inoue et Iwatsuki (1970) 485; Wang (1970) 500; Iwatsuki et Mizutani (1972) 198. Pl. 27; Watanabe (1972) 217. Pl. 35; Noguchi (1973b) 248; Wang (1975) 60; Lai et Wang-Yang (1976) 180; Smith (1976) 77; Lin (1981) 360; Takaki (1981) 81; 村越 (1934) 99.
- Claopodium assurgens* (Sull. et Lesq.) Card. var. *attenuatum* Nog. (1938) 29. = *C. assurgens*.
- Claopodium gracillimum* (Card. et Ther.) Nog. Nakanishi (1963) 320; Watanabe (1964) 272, (1972) 216. Pl. 33; Wang (1967a) 21, (1970) 500; Iwatsuki et Mizutani (1972) 198. f. 99; Shin (1973) 55; Lai et Wang-Yang (1976) 180.

- Claopodium nervosum* (Harv.) Fleisch. Nakanishi (1963) 321; Horikawa et Ando (1964) 28; Watanabe (1964) 272; Noguchi (1966) 578; Shin (1967) 114; Wang (1970) 500; Noguchi (1973b) 249; Noguchi et Iwatsuki (1975) 274.=*C. prionophyllum*.
- Claopodium pellucinerve* non (Mitt.) Best: Wang (1963) 217, (1970) 501.=*C. aciculum*.
- Claopodium prionophylloides* Broth. in Sasaoka (1918) 135, (1921) 68; Ihsiba (1932) 73, (1935) 198. nom. nud.=*C. aciculum*.
- Claopodium prionophyllum* (C. Muell.) Broth. Herz. et Noguchi (1955) 66; Wang (1963) 217; Lai et Wang-Yang (1976) 180; Lin (1984a) 17. f. 10, (1984d) 62. f. 10.
- Clastobryella kusatsuensis* (Besch.) Iwats. Iwatsuki et Mizutani (1972) 240. Pl. 32; Wang (1967a) 24, (1970) 514; Lai et Wang-Yang (1976) 180.=*Gammiella merrillii*.
- Clastobryella tsunodae* Broth. et Yas. Herz. et Noguchi (1955) 69; Nakanishi (1963) 320; Wang (1963) 227; Chen *et al.* (1978) 237.=*Gammiella merrillii*.
- Clastobryum glomerato-propaguliferum* Toyama Nakanishi (1963) 325, (1964a) 72; Wang (1967a) 23, (1970) 514.=*Aptychella glomerato-propagulifera*.
- Clastobryum indicum* (Doz. et Molk.) Doz. et Molk. Lai et Wang-Yang (1976) 180; Tixier (1977) 446. f. 19. 20.
- Clastobryum indicum* auct. non (Doz. et Molk.) Doz. et Molk.: Seki (1968) 27. f. 7. 8.=*Tristichella glabrescens*.
- Climacium dendriodes* (Hedw.) Web. & Mohr Lai (1983) 103.
- Cratoneuron filicinum* (Hedw.) Spruce Nakanishi (1963) 310; Wang (1967a) 21, (1970) 504; Schofield (1974) 19. map 9; Lai et Wang-Yang (1976) 180.
- Cratoneuron formosanum* Broth. (1928) 22; Sasaoka (1928a) 131, (1928e) 414; Ihsiba (1935) 198; Wang (1963) 221, (1970) 504; Kanda (1975) 235. f. 15; Lai et Wang-Yang (1976) 180; Chen *et al.* (1978) 185; Lin (1981) 359.
- Cratoneuron formosicum* Broth. apud. Sakurai (1941a) 210. f. 10.=*C. formosanum*.
- Ctenidium andoi* Nishimura (1985) 50. f. 23. 24.
- Ctenidium capillifolium* (Mitt.) Broth. Iwatsuki et Mizutani (1972) 259. f. 139; Lai et Wang-Yang (1976) 180; Nishimura (1985) 66. f. 21. 24.
- Ctenidium enerve* (Herz. et Nog.) Kanda (1975) 15; Nishimura (1985) 76.
- Ctenidium lychnitens* (Mitt.) Broth. Yang et Lee (1964) 184; Wang (1967a) 26, (1970) 527; Lai et Wang-Yang (1976) 180.
- Ctenidium malacobolum* (C. Muell.) Broth. Nishimura (1985) 42. f. 19. 20. 24.
- Ctenidium molluscum* (Hedw.) Mitt. Lin (1984b) 345. f. 5. 18.
- Ctenidium pinnatum* (Broth. et Par.) Broth. Nishimura (1985) 58. f. 27. 34.
- Ctenidium scaberrimum* (Card.) Broth. Broth. (1924-25) 468; Sasaoka (1928e) 419; Ihsiba (1929) 275, (1935) 198; Wang (1963) 240; Chen *et al.* (1978) 277; Lin (1984b) 345.=*Ectropothecium zollingeri*.
- Ctenidium scaberrimum* var. *erecto-condensatum* Dix. et Sak. Wang (1970) 527; Lai et Wang-Yang (1976) 180.=*Ectropothecium zollingeri*.
- Ctenidium scaberrimum* var. *scaberrimum* Wang (1970) 527; Lai et Wang-Yang (1976) 180.=*Ectropothecium zollingeri*.
- Ctenidium serratifolium* (Card.) Broth. Broth. (1909) 1048, (1924-25) 467; Sasaoka (1928e) 419; Ihsiba (1929) 275, (1935) 198; Sakurai (1932b) 750; Wang (1963) 241; Nishimura (1985) 63. f. 30. 34.
- Ctenidium* sp. Iwatsuki (1969) 288.
- Ctenidium stellulatum* Mitt. Broth. (1909) 1048; Sasaoka (1928e) 419; Ihsiba (1935) 198; Wang (1963) 241; Whittier (1976) 359; Wang (1970) 527; Lai et Wang-Yang (1976) 180; Chen *et al.* (1978) 277.

- Cyathophorella densifolia* Horikawa (1934) 460. f. 3, (1934b) 717; Ihsiba (1935) 198; Horikawa (1939b) 961. Pl. 463; Takaki (1950) 188.=*C. hookeriana*.
- Cyathophorella grandistipulacea* Dix. et Sak. Lin (1976a) 151; Lai et Wang-Yang (1976) 180.=*C. kyushuensis* var. *grandistipulacea*.
- Cyathophorella hookeriana* (Griff.) Fleisch. Noguchi (1936) 42; Shin (1951b) 270; Noguchi (1952d) 18. f. 12. 13; Wang (1961) 30, (1970) 496; Anonymous (1972) 85. f. 169; Iwatsuki et Mizutani (1972) 181. Pl. 25; Lai (1976a) 152; Lai et Wang-Yang (1976) 180; Lin (1981) 360; Takaki (1981) 81.
- Cyathophorella intermedia* (Mitt.) Mitt. Noguchi (1966) 577, (1973b) 247; Noguchi et Iwatsuki (1975) 273; Lai (1976a) 154; Lai et Wang-Yang (1976) 180.
- Cyathophorella japonica* Broth. Horikawa (1934) 459, (1934b) 717; Noguchi (1934b) 292; Ihsiba (1935) 198; Horikawa (1939b) 961. Pl. 463; Yang (1971) 186. Pl. I.=*C. tonkinensis*.
- Cyathophorella kyusyuensis* Horikawa et Noguchi Wang (1967) 8, (1970) 496; Iwatsuki et Mizutani (1972) 181; Lai (1976a) 152; Lai et Wang-Yang (1976) 180; Takaki (1981) 81.
- Cyathophorella kyusyuensis* var. *grandistipulacea* (Dix. et Sak.) Noguchi.
- Cyathophorella taiwaniana* Lai (1976a) 152. Pl. I; Lai et Wang-Yang (1976) 180; Crosby (1979) 243.
- Cyathophorella tonkinensis* (Broth. et Par.) Broth. Noguchi (1947) 80, (1952d) 14. f. 10; Wang (1961) 31; Horikawa et Ando (1964) 28; Wang (1970) 496; Noguchi (1969) 31. f. 147; Iwatsuki et Mizutani (1972) 181. Pl. 25; Noguchi (1973b) 248; Lai (1976a) 154; Lin (1981) 359; Lai et Wang-Yang (1976) 180; Noguchi (1976) 189. f. 54.
- Cyclodictyon blumeum* (C. Muell.) Broth. Broth. (1924-25) 236; Sasaoka (1928d) 363; Ihsiba (1929) 170, (1935) 198; Wang (1961) 28; Bartr. (1939) 264. Pl. 19. f. 332; Yang et Lee (1964a) 77; Wang (1970) 493; Whittier (1976) 273. f. 77; Noguchi et Iwatsuki (1972) 471; Lai et Wang-Yang (1976) 180; Chen *et al.* (1978) 121. f. 266; Lin (1981) 360; 村越 (1934) 104.
- Daltonia angustifolia* Doz. et Molk. Noguchi (1937c) 48, Text-fig. 4; Yang et Lee (1964a) 78; Wang (1970) 492; Lai et Wang-Yang (1976) 180.
- Daltonia aristifolia* Ren. et Card. Noguchi (1937c) 50. Text-fig. 5; Yang et Lee (1964a) 78; Wang (1970) 492; Lai et Wang-Yang (1976) 180; Noguchi (1986a) 264. f. 5.
- Dendrocyathophorum herzogii* Gang (1977) 1540. f. 772; Crosby (1979) 243.
- Dendrocyathophorum intermedium* (Mitt.) Herz. in Herz. et Noguchi (1955) 65; Wang (1961) 29, (1970) 494, (1975) 60.=*Cyathophorella intermedia*.
- Dendrocyathophorum paradoxum* (Broth.) Dix. Horikawa (1950b) 91; Wang (1968) 8, (1970) 495; Iwatsuki et Sharp (1974) 173; Lai (1976a) 151; Lai et Wang-Yang (1976) 180; Chen *et al.* (1978) 133. f. 274.
- Diaphanodon blandus* (Harv.) Ren. et Card. Noguchi (1947a) 56; Wang (1961) 7; Noguchi, Takaki et Inoue (1966) 370; Wang (1970) 475; Noguchi (1971a) 248; Lai et Wang-Yang (1976) 180; Inoue (1979) 111; Watanabe (1980a) 145; Fritsch (1982) 110.
- Diaphanodon blandus* var. *blandus* Zanten (1959) 538. Pl. VI. VII. map 1.
- Diaphanodon thuidioides* Ren. et Card. Noguchi (1947a) 56; Wang (1961) 7; Chen *et al.* (1978) 42. f. 218.=*D. blandus*.
- Dichodontium asperimum* Broth. Sasaoka (1928a) 131, (1928b) 183.
- Dicranella coarctata* (C. Muell.) Bosch et Lac. Cardot (1905) 92; Sawada (1914) 2; Broth. (1924-25) 182; Sasaoka (1928b) 183; Ihsiba (1929) 29, (1935) 198; Bartr. (1939) 32. Pl. 2. f. 29; Herz. et Noguchi (1955) 59; Wang (1960) 6, (1964) 3; Yang et Lee (1964) 182; Wang (1970) 422; Chuang (1973) 453; Wang et Lin (1974) 5. f. 8; Lai et Wang-Yang (1976) 180; Smith (1976) 65; Tixier (1980) 379.

- Dicranella coarctata* var. *torrentium* Card. (1905) 92; Sawada (1914) 2; Sasaoka (1928b) 184; Ihsiba (1929) 29; Wang (1960) 6, (1970) 422.
- Dicranella heteromalla* (Hedw.) Schimp. Okamura (1916) 5; Sasaoka (1928b) 184; Ihsiba (1935) 198; Wang (1968) 2, (1970) 423; Chuang (1973) 447; Lai et Wang-Yang (1976) 180.
- Dicranella laxiretis* Broth. Ihsiba (1935) 198.
- Dicranodontium asperulum* (Mitt.) Broth. Chuang (1973) 454; Lai et Wang-Yang (1976) 180; Lin et Tsai (1984) 85.
- Dicranodontium denudatum* (Brid.) Britt. ex Williams Sasaoka (1928) 82, (1928b) 184; Ihsiba (1929) 34; Wang (1960) 8, (1970) 424; Chuang (1973) 455; Lai et Wang-Yang (1976) 180; Lin (1981) 361; Iwatsuki et Mizutani (1983) 195; Lin et Tsai (1984) 85.
- Dicranodontium longirostre* (Stark.) Schimp. Sasaoka (1920a) 19.=*D. denudatum*.
- Dicranodontium nitidum* (Doz. et Molk.) Fleisch. Wang (1970) 425; Lai et Wang-Yang (1976) 180.
- Dicranodontium nitidum* non. (Doz. et Molk.) Fleisch.: Wang (1967) 2.=*Dicranodontium* sp.
- Dicranodontium* sp. Iwatsuki (1969) 289.
- Dicranodontium uncinatum* (Harv.) Jaeg. Noguchi (1960) 304; Horikawa et Ando (1964) 5; Noguchi (1966) 550; Noguchi, Takaki et Inoue (1966) 363; Takaki (1966) 221; Wang (1967a) 4, (1970) 425; Chuang (1973) 455; Noguchi et Iwatsuki (1975) 250; Lai et Wang-Yang (1976) 180; Iwatsuki et Mizutani (1983) 195.
- Dicranoloma assimile* (Hampe) Par. Sasaoka (1921a) 272, (1928b) 184; Ihsiba (1929) 49, (1935) 199; Sakurai (1941a) 206; Wang (1960) 9, (1970) 430; Chuang (1973) 455; Lai et Wang-Yang (1976) 180; Tan & Koponen (1983) 320. f. 21-36.
- Dicranoloma blumii* (Nees) Par. Lin (1981) 362, (1981a) 11. f. 1-24; Tan & Koponen (1983) 328.
- Dicranoloma braunii* (C. Muell.) Paris Wang (1970) 430.=*D. brevisetum* var. *samoanum*.
- Dicranoloma braunii* f. *mindanense* Fl. Sasaoka (1920a) 19, (1928b) 184; Ihsiba (1929) 49; Wang (1960) 9.=*D. brevisetum* var. *samoanum*.
- Dicranoloma braunii* (C. Muell.) Paris var. *mindanense* Fl. Ihsiba (1935) 199.=*D. brevisetum* var. *samoanum*.
- Dicranoloma brevisetum* (Dozy et Molk.) Par. var. *samoanum* (Broth.) Tan & Kop. fo. *nematosum* (Broth. et Geh.) Tan & Kop. (1983) 326.
- Dicranoloma cylindrothecium* (Mitt.) Sak. Takaki (1966) 216. f. 1. 2; Wang (1970) 430; Iwatsuki et Mizutani (1972) 76. f. 43; Chuang (1973) 455; Lai et Wang-Yang (1976) 180; Lin (1981) 360.=*D. striatulum*.
- Dicranoloma euryloma* Sakurai (1941a) 205. f. 2.=*Dicranodontium uncinatum*.
- Dicranoloma formosae* Broth. apud. Ihsiba (1935) 199.=*D. formosanum*=*D. assimile*.
- Dicranoloma formosanum* Broth. (1928) 17; Sasaoka (1920) 19, (1927) 241; Sakurai (1941a) 206. f. 3; Wang (1970) 431; Chen *et al.* (1963) 153; Chuang (1973) 456; Lai et Wang-Yang (1976) 180.=*D. assimile*.
- Dicranoloma latilimbium* Sakurai Sakurai (1952) 255; Wang (1960) 9, (1970) 431.=*Dicranodontium uncinatum*.
- Dicranoloma striatulum* (Mitt.) Noguchi (1986) 157. f. 6.
- Dicranoloma subcylindrothecium* Broth. (1928) 2; Sasaoka (1927) 241, (1928b) 184; Ihsiba (1935) 199; Chen *et al.* (1963) 153.=*D. striatulum*.
- Dicranum caesium* Mitt. Ihsiba (1935) 199; Wang (1970) 427; Iwatsuki et Mizutani (1972) 74; Takaki (1972) 33; Lai et Wang-Yang (1976) 180.
- Dicranum flagellare* Hedw. Wang (1970) 427; Takaki (1972) 33.=*Orthodicranum flagellare*.

- Dicranum flagellare* auct. non Hedw.: Wang (1967) 2.=*Campylopus* sp. 1.
Dicranum formosicum Broth. Ihsiba (1935) 199.=*D. mayrii*.
Dicranum formosanum Broth. in Sasaoka (1920a) 19, (1928b) 184. nom. nud.
Dicranum fragilifolium Lindb. Nakanishi (1963) 324; Wang (1967a) 4, (1970) 427; Chuang (1973) 456; Lai et Wang-Yang (1976) 180.
Dicranum hamulosum Mitt. Chuang et Iwatsuki (1970) 68; Wang (1970) 427; Iwatsuki et Mizutani (1972) 75. f. 42; Chuang (1973) 456; Lai et Wang-Yang (1976) 181.
Dicranum hamulosum auct. non. Mitt.: Wang (1967) 3.=*D. mayrii*.
Dicranum japonicum Mitt. Nakanishi (1963) 321; Wang (1967a) 4, (1970) 428; Chuang (1973) 457; Wang (1975) 60; Lai et Wang-Yang (1976) 181.
Dicranum lorifolium Mitt. Ihsiba (1935) 199.
Dicranum majus Turn. Nakanishi (1963) 324; Wang (1967a) 4, (1970) 428; Chuang (1973) 457; Lai et Wang-Yang (1976) 181; Lin et Tsai (1984) 85.
Dicranum mayrii Broth. Nakanishi (1963) 321; Takaki (1964) 76. f. 1; Inoue (1969) 125; Wang (1967a) 5; Iwatsuki (1969) 287; Chuang et Iwatsuki (1970) 68; Wang (1970) 428; Takaki (1972) 33; Chuang (1973) 457; Lai et Wang-Yang (1976) 181.
Dicranum muehlenbeckii B. S. G. Nakanishi (1963) 325, (1964a) 71; Wang (1967a) 5, (1970) 428; Chuang (1973) 457; Lai et Wang-Yang (1976) 181.
Dicranum nipponense Besch. Nakanishi (1963) 321; Takaki (1964) 103. f. 11; Wang (1967a) 5; Inoue (1969) 27. f. 1-6; Wang (1970) 428; Iwatsuki et Mizutani (1972) 73. f. 42; Takaki (1972) 33; Chuang (1973) 457; Lai et Wang-Yang (1976) 181.
Dicranum scoparium Hedw. Sasaoka (1928b) 184; Nakanishi (1963) 321; Wang (1967a) 5, (1970) 429; Takaki (1972) 33; Chuang (1973) 457; Schofield (1974) 18. map 7; Lai et Wang-Yang (1976) 181; Lin et Tsai (1984) 85.
Dicranum shimadae Broth. ex Ihsiba Sasaoka (1927) 241, (1928b) 185; Ihsiba (1935) 199; Nakanishi (1963) 324; Wang (1970) 430.
Didymodon constrictus (Mitt.) Saito.
Didymodon constrictus var. *flexicupis* (Chen) Saito Lin (1981) 361.
Didymodon fallax (Hedw.) Zander.
Didymodon formosicus Broth. Sasaoka (1928a) 131, Sasaoka (1928b) 188. nom. nud.
Didymodon recurvirostre (Dickson) Jeen. Wang (1969) 5.=*Oxystegus recurvifolius*.
Diphyscium formosicum Horikawa (1935c) 677. f. 31; Takaki (1950) 188; Wang (1970) 530; Chen et al. (1978) 295.=*D. involutum*.
Diphyscium fulvifolium Mitt. Horikawa (1935e) 505, (1936c) 24, (1939b) 175. Pl. 470; Takaki (1950) 188; Wang (1960) 4; Iwatsuki et Sharp (1968) 54. f. 2; Inoue (1969) 119. f. 1-5; Wang (1970) 530; Chuang (1973) 436; Iwatsuki (1976) 148. f. 6; Lai et Wang-Yang (1976) 181; Lin (1981) 359, (1984b) 345; Lin et Tsai (1984) 83.
Diphyscium granulorum Chen Iwatsuki (1976) 147. f. 5; Lin et Tsai (1984) 83.
Diphyscium involutum Mitt. Wang (1967) 10, (1970) 530; Chuang (1973) 436; Iwatsuki et Noguchi (1975) 315; Lai et Wang-Yang (1976) 181; Lin (1981) 362, (1984b) 345.
Diphyscium macrophyllum Wang et Lin (1974b) 21. f. 1-25; Lai et Wang-Yang (1976) 181; Crosby (1977) 293.=*D. granulorum*.
Diphyscium perminutum auct. non Takaki: Wang (1960) 4.=*D. fulvifolium*.
Diphyscium rotundatifolium Wang et Lin (1974a) 526. f. 1-34; Lai et Wang-Yang (1976) 181; Crosby (1977) 293.=*D. fulvifolium*.
Distichophyllum collenchymatosum Card. Noguchi (1956b) 21. f. 2; Yang et Lee (1964a) 791. Pl. II. f. 1-4; Wang (1967a) 18; Noguchi (1969) 29. f. 143; Wang (1970) 492; Iwatsuki et Mizutani (1972) 170. f. 89; Lai et Wang-Yang (1976) 181.

- Distichophyllum cuspidatum* Doz. et Molk. Noguchi (1937b) 788; Sakurai (1943a) 257; Noguchi (1956b) 27. f. 5; Wang (1961) 27; Yang et Lee (1964a) 79; Shin (1965) 269; Lai et Wang-Yang (1976) 181; Smith (1976) 76.
- Distichophyllum jungermannioides* (C. Muell.) Bosch et Lac. Horikawa (1935e) 504. Text-fig. 6; Herz. et Noguchi (1955) 65; Noguchi (1956b) 26; Wang (1961) 27; Yang et Lee (1964a) 79; Wang (1970) 538; Noguchi et Iwatsuki (1972) 473; Lai et Wang-Yang (1976) 181.
- Distichophyllum maibarae* Besch. Horikawa (1934b) 715; Ihsiba (1935) 199; Yang et Lee (1964a) 79. Pl. II. f. 5-10; Shin (1965) 269; Wang (1970) 492; Iwatsuki et Mizutani (1972) 178. Pl. 25; Lai et Wang-Yang (1976) 181; Takaki (1981) 81.
- Distichophyllum mittenii* Bosch et Lac. Broth. (1924-25) 230; Sasaoka (1928d) 363; Ihsiba (1929) 168, (1935) 199; Noguchi (1937b) 788; Bartr. (1939) 261. Pl. 19. f. 328; Horikawa (1939b) 953. Pl. 459; Herz. et Noguchi (1955) 65; Noguchi (1956b) 27; Wang (1961) 27; Yang et Lee (1964a) 80, (1964) 184. f. 6; Shin (1965) 269; Wang (1970) 492; Lai et Wang-Yang (1976) 181.
- Distichophyllum mittenii* auct. non Bosch et Lac.: Sakurai (1932a) 496.=*D. collenchymatosum*.
- Distichophyllum nigricaulis* Mitt. Yang et Lee (1964a) 80; Wang (1967a) 19, (1970) 492; Lai et Wang-Yang (1976) 181.
- Distichophyllum obtusifolium* Ther. Lai et Wang-Yang (1976) 181.
- Distichophyllum osterwaldii* Fleisch. Horikawa (1939b) 955. Pl. 460; Noguchi (1956b) 30. f. 5; Yang et Lee (1964a) 80. Pl. II. f. 11-16; Wang (1970) 538; Noguchi et Iwatsuki (1972) 475; Lai et Wang-Yang (1976) 181.
- Ditrichum brevidens* Noguchi (1944) 255. f. 27; Chuang (1973) 446; Wang (1970) 421; Lai et Wang-Yang (1976) 181.
- Ditrichum difficile* (Dub.) Fleisch. Chuang (1973) 447; Wang et Lin (1974) 5. f. 5; Lai et Wang-Yang (1976) 181; Seppelt (1982) 154. f. 1-10, (1982a) 109. f. 2, (1982b) 115. f. 9-14.
- Ditrichum flexicaule* (Schleich.) Hampe Wang (1968) 1, (1970) 421; Noguchi (1964c) 169.
- Ditrichum flexifolium* (Hook.) Hampe Herz. et Noguchi (1955) 58; Wang (1960) 5; Yang et Lee (1964) 182; Wang (1972) 421.=*D. difficile*.
- Ditrichum formosicum* Noguchi (1938a) 397. f. 6; Wang (1970) 421.=*D. difficile*.
- Ditrichum heteromallum* (Hedw.) Britt. Yang et Lee (1964) 182; Wang (1970) 421; Iwatsuki et Mizutani (1972) 61. f. 38; Chuang (1973) 446; Lai et Wang-Yang (1976) 181; Lin (1981) 361.
- Ditrichum pallidum* (Hedw.) Hampe Horikawa (1935d) 414; Ihsiba (1935) 199; Horikawa (1939b) 881. Pl. 423; Takaki (1957) 94; Wang (1968) 1, (1969) 3, (1970) 421; Chuang (1973) 447; Lai et Wang-Yang (1976) 181.
- Dolichomitria cymbifolia* (Lindb.) Broth. Broth. (1924-25) 209; Sasaoka (1928d) 362; Ihsiba (1929) 164, (1935) 199; Wang (1961) 26, (1970) 491; Iwatsuki et Mizutani (1972) 175. Pl. 24; Lai et Wang-Yang (1976) 181; Lin (1981) 359; Lin et Tsai (1984) 92; 村越 (1934) 104. Pl. 21-194.
- Drepanocladus uncinatus* (Hedw.) Warnst. Nakanishi (1963) 325; Wang (1967a) 22, (1970) 504; Lai et Wang-Yang (1976) 181.=*Sanionia uncinata*.
- Duthiella flaccida* (Card.) Broth. Broth. (1909) 1010, (1924-25) 123; Herzog (1925) 163; Sasaoka (1928c) 250; Ihsiba (1929) 141, (1935) 199; Sakurai (1932b) 739; Wang (1961) 8; Noguchi (1968a) 154. f. 114; Iwatsuki et Mizutani (1972) 155. Pl. 21; Noguchi et Iwatsuki (1972) 457, (1975) 267; Noguchi (1976) 160. f. 44; Iwatsuki (1978) 558; Takaki (1981) 81.

- Duthiella flaccida* var. *flaccida* Zanten (1959) 564. Pl. 11. 12. map 2; Wang (1970) 476; Lai et Wang-Yang (1976) 181.
- Duthiella flaccida* var. *media* (Nog.) Zanten (1959) 569. Pl. 12; Wang (1967a) 16, (1970) 476; Lai et Wang-Yang (1976) 181.
- Duthiella formosana* Noguchi (1935) 469. f. 1, (1947a) 62; Zanten (1959) 562. Pl. 9. 12; Wang (1961) 9; Noguchi (1966) 568; Wang (1970) 476; Lai et Wang-Yang (1976) 181; Chen et al. (1978) 48; Lin (1981) 359.
- Duthiella media* Noguchi (1947a) 61. f. 14; Wang (1961) 9; Chen et al. (1978) 47.=*D. flaccida* var. *media*.
- Duthiella robusta* Noguchi (1935) 470. f. 2, (1947a) 63; Herz. et Noguchi (1955) 64; Zanten (1959) 561. Pl. 9. 10; Wang (1961) 9; Chen et al. (1978) 47; Chiang et Lin (1984) 34.=*D. wallichii*.
- Duthiella speciosissima* Broth. ex Card. Ihsiba (1935) 199; Iwatsuki et Mizutani (1972) 156. f. 76; Chen et al. (1978) 47; Lai et Wang-Yang (1976) 181.
- Duthiella wallichii* (Mitt.) C. Muell. Noguchi (1963c) 147. f. (1968a) 154. f. 114; Wang (1970) 476; Iwatsuki et Mizutani (1972) 155. f. 76; Noguchi (1973b) 241; Wang et Lin (1974) 7. f. 17; Lai et Wang-Yang (1976) 181; Noguchi (1976) 160. f. 44; Lin (1981) 360, (1984b) 345.
- Ectropotheciella distichophylla* (Hampe) Fleisch. Wang (1963) 236, (1970) 524; Lai et Wang-Yang (1976) 181.
- Ectropothecium buitenzorgii* (Bel.) Jaeg. Herz. et Noguchi (1955) 69; Wang (1963) 235, (1969) 11, (1970) 521; Lai et Wang-Yang (1976) 181; Chen et al. (1978) 266.
- Ectropothecium dealbatum* (Reinw. et Horns.) Jaeg. Wang (1969) 11, (1970) 539; Lai et Wang-Yang (1976) 181.
- Ectropothecium formosanum* Broth. Sasaoka (1927) 241, (1928e) 419; Ihsiba (1935) 199.
- Ectropothecium intorquatum* (Doz. et Molk.) Jaeg. Ihsiba (1932) 76, (1935) 199; Wang (1963) 235, (1970) 521; Lai et Wang-Yang (1976) 181.
- Ectropothecium kelungense* (Card.) Fleisch. in Reimers et Sakurai (1934) 557.=*E. zollingeri*.
- Ectropothecium leptotapes* (Card.) Sakurai Wang (1970) 521; Lai et Wang-Yang (1976) 181.
- Ectropothecium malacocladum* (Card.) Broth. (1909) 1066.=*Ectropothecium zollingeri*.
- Ectropothecium monumentorum* (Dub.) Jaeg. Herz. et Noguchi (1955) 69; Wang (1963) 235; Horikawa et Ando (1964) 39; Wang (1970) 540; Lai et Wang-Yang (1976) 181; Smith (1976) 81; Chen et al. (1978) 266.
- Ectropothecium moritzii* (C. Muell.) Jaeg. Herz. et Noguchi (1955) 69; Wang (1963) 236, (1970) 522; Lai et Wang-Yang (1976) 181; Chen et al. (1978) 266.
- Ectropothecium obtusulum* (Card.) Iwatsuki Iwatsuki (1967) 111; Wang (1970) 522; Iwatsuki et Mizutani (1972) 258. f. 138; Lai et Wang-Yang (1976) 181; Seki (1977) 143. f. 3.
- Ectropothecium ohosimense* Card. et Ther. Noguchi (1973) 89. f. 237, (1976) 263. f. 78.
- Ectropothecium pendulum* Broth. in Sasaoka (1920) 19; Sasaoka (1921) 69, (1928e) 419; Ihsiba (1935) 199. nom. nud.
- Ectropothecium perminutum* Broth. ex Bartr. Herz. et Noguchi (1955) 50; Wang (1963) 236, (1970) 539; Lai et Wang-Yang (1976) 181.
- Ectropothecium planifrons* Broth. et Par. var. *formosicum* (Card.) Sasaoka (1918) 135. nom. nud.=*E. zollingeri*.
- Ectropothecium planulum* Cardot (1905) 143. f. 35; Sawada (1914) 8; Broth. (1909) 1066; Sasaoka (1928e) 419; Ihsiba (1929) 267; Reimers (1931) 69; Sakurai (1932b) 749; Ihsiba (1935) 199; Herz. et Noguchi (1955) 70; Wang (1963) 236.=*E. zollingeri*.
- Ectropothecium serratifolium* Cardot (1905) 145. f. 37; Sawada (1914) 8.=*Ctenidium serratifolium*.

- Ectropothecium shiragae* Okamura (1916) 60. f. 26; Ihsiba (1929) 267, (1935) 199; Wang (1963) 236, (1970) 522; Lai et Wang-Yang (1976) 181.=*E. ohosimense*.
- Ectropothecium subplanulum* Card. (1905) 144. f. 36; Broth. (1909) 1066; Sasaoka (1928e) 419; Sawada (1914) 8; Ihsiba (1929) 267; Sasaoka (1932b) 749; Ihsiba (1935) 199; Wang (1963) 236.=*E. zollingeri*.
- Ectropothecium yasudae* Broth. (1928) 25; Ihsiba (1935) 199; Wang (1970) 522; Lai et Wang-Yang (1976) 181.
- Ectropothecium zollingeri* (C. Muell.) Jaeg. Iwatsuki (1967) 105. f. 1; Wang (1970) 522; Iwatsuki et Mizutani (1972) 257. f. 138; Noguchi (1973) 89. f. 238; Lai et Wang-Yang (1976) 181; Iwatsuki (1978) 367; Iwatsuki et Noguchi (1979) 367; Lin (1984b) 345; Nishimura (1985) 75; Seki (1977) 145. f. 4.
- Ectropothecium zollingeri* var. *formosicum* (Card.) M. J. Lai in Lai et Wang-Yang (1976) 182; Crosby (1979) 245.=*E. zollingeri*.
- Elmeriobryum formosanum* Broth. (1928) 21; Sasaoka (1929) 19; Ihsiba (1935) 197.=*E. philippinense*.
- Elmeriobryum formosanum* Broth. var. *formosanum* Wang (1968) 8, (1970) 491; Lai et Wang-Yang (1976) 182; Chen *et al.* (1978) 105.=*E. philippinense*.
- Elmeriobryum formosanum* var. *minus* Broth. (1928) 21; Wang (1970) 491; Lai et Wang-Yang (1976) 182; Chen *et al.* (1978) 105.=*E. philippinense*.
- Elmeriobryum philippinense* Broth. Fritsch (1982) 119.
- Elmeriobryum philippinense* non Broth.: Inoue (1979) 112.=*Gollania arisanensis*.
- Encalypta ciliata* Hedw. Noguchi (1934b) 289; Horikawa (1936) 204, (1936c) 22, (1939a) 362, (1939b) 893. Pl. 429. f. 1-10; Takaki (1951) 175; Wang (1960) 22, (1970) 433; Iwatsuki et Mizutani (1972) 89. Pl. 10; Chuang (1973) 462; Lai et Wang-Yang (1976) 182; Lin et Tsai (1984) 86; Horton (1983) 490.
- Encalypta laciniata* (Hedw.) Lindb. Chen *et al.* (1963) 172.=*E. ciliata*.
- Endotrichella elegans* (Doz. et Molk.) Fleisch. Brotherus (1924-25) 133; Sasaoka (1920a) 19; Ogata (1927) 50. f.; Sasaoka (1928c) 251; Ihsiba (1929) 143; Sakurai (1932b) 739; Ihsiba (1935) 199; Bartr. (1939) 204. Pl. 15. f. 251; Horikawa (1939b) 939. Pl. 452; Sakurai (1943) 92; Herz. et Noguchi (1955) 64; Wang (1961) 11; Noguchi (1963c) 148; Yang et Lee (1964) 183; Wang (1970) 478; Iwatsuki et Mizutani (1972) 158. Pl. 22; Anonymous (1972) 74. f. 147; Wang (1975) 60; Lai et Wang-Yang (1976) 182; Chen *et al.* (1978) 55. f. 226; 村越 (1934) 108.=*Garovaglia elegans* var. *elegans* f. *elegans*.
- Endotrichella elegans* var. *brevicuspis* Noguchi (1937b) 784. f. 1; Noguchi (1947a) 75. f. 18; Wang (1961) 11.=*Garovaglia elegans* f. *elegans*.
- Endotrichella fauriei* (Broth. et Paris) Broth. Broth. (1909) 782, (1924-25) 133; Sasaoka (1928c) 251; Ihsiba (1929) 143; Horikawa (1935a) 219; Ihsiba (1935) 98; Horikawa (1939b) 939. Pl. 452; Noguchi (1947a) 76; Wang (1961) 11; Chen *et al.* (1978) 55; 村越 (1934) 108.=*Garovaglia elegans* ssp. *elegans* var. *elegans* f. *elegans*.
- Entodon angustifolius* (Mitt.) Jaeg. f. *angustifolius* Wang (1963) 223, (1970) 511.=*E. macropodus*.
- Entodon bandongiae* (C. Muell.) Jaeg. Cardot (1905) 131; Sawada (1914) 7; Sasaoka (1928e) 416; Ihsiba (1929) 234; Sakurai (1932a) 501; Bartram (1935) 246; Ihsiba (1935) 199; Bartr. (1939) 308. Pl. 23. f. 393; Herz. et Noguchi (1955) 68; Yang et Lee (1964) 184; Iwatsuki et Noguchi (1975) 333.=*E. dolichocucullatus*.
- Entodon caliginosus* (Mitt.) Jaeg. Hu (1983) 213. f. 134-139.
- Entodon conncinnus* (De Not.) Paris var. *caliginosus* (Mitt.) Mizus. Mizushima (1971) 193; Lai et Wang-Yang (1976) 182.=*E. caliginosus*.

- Entodon dolichocucullatus* Okamura (1916) 49. f. 22; Sasaoka (1928e) 416; Ihsiba (1929) 235, (1935) 19; Mizushima (1960a) 111. f. 5; Wang (1963) 224, (1970) 512, (1975) 60; Lai et Wang-Yang (1976) 182; Chen *et al.* (1978) 227; Lin (1981) 302; Hu (1983) 198. f. 11-22; 村越 (1934) 92.
- Entodon euryhynchoides* Herz. et Noguchi (1955) 69. f. 23.=*E. obtusatus*.
- Entodon flavescens* (Hook.) Jaeg. Noguchi (1971) 144. f. 203; Chen *et al.* (1978) 228; Inoue (1983) 300; Chiang et Lin (1984) 34.=*Mesonodon flavescens*.
- Entodon griffithii* (Mitt.) Jaeg. Hong et Kim (1960) 104.=*Mesonodon flavescens*.
- Entodon macropodus* (Hedw.) C. Muell. Lai et Wang-Yang (1976) 182; Lin et Tsai (1984) 93.
- Entodon morrisonensis* Noguchi (1938) 30. f. 5; Mizushima (1960a) 134. f. 11; Wang (1970) 512; Lai et Wang-Yang (1976) 182; Chen *et al.* (1978) 228; Buck (1980) 114; Lin (1981) 361; Hu (1983) 216. f. 177-188; Inoue (1983) 300; Lin et Tsai (1984) 94; Lin (1985) 17.
- Entodon obtusatus* Broth. Mizushima (1960a) 114. f. 5. map 6; Wang (1963) 224, (1970) 512; Lai et Wang-Yang (1976) 182; Hu (1983) 203. f. 70-86.
- Entodon ramulosus* Mitt. Noguchi (1934b) 293; Ihsiba (1935) 199; Horikawa (1939b) 967. Pl. 466; Noguchi (1954b) 32.=*Mesonodon flavescens*.
- Entodon rubicundus* (Mitt.) Jaeg. et Sauerb. Nakanishi (1963) 320; Wang (1963) 324, (1970) 512; Noguchi (1971a) 254; Lai et Wang-Yang (1976) 182.=*Mesonodon flavescens*.
- Entodon sullivantii* (C. Muell.) Lindb. var. *versicolor* (Besch.) Mizushima Hu (1983) 221. f. 209-213.
- Entodon taiwanensis* Wang et Lin (1975) 200. f. 1; Wang (1975) 60; Crosby (1977) 294; Lai et Wang-Yang (1976) 182; Buck (1980) 112; Hu (1983) 203. f. 54-69.
- Entodon viridulus* Card. Wang (1963) 225, (1970) 512; Iwatsuki et Mizutani (1972) 226. f. 118; Lai et Wang-Yang (1976) 182; Lin et Tsai (1984) 94.
- Entodontopsis nitens* (Mitt.) Buck & Ireland.
- Entosthodon buseanus* Doz. et Molk. Cardot (1905) 107; Sawada (1914) 4; Noguchi (1944) 259; Ochi (1968b) 19. f. 9. 16; Wang (1970) 446; Chuang (1973) 478; Lai et Wang-Yang (1976) 182.
- Entosthodon javanicus* Doz. et Molk. Noguchi (1944) 260; Shin (1952) 149. f.=*E. physcomitrioides*.
- Entosthodon physcomitrioides* (Mont.) Mitt. Ochi (1968b) 17; Wang (1970) 446; Ochi (1971) 117; Chuang (1973) 478; Noguchi (1973b) 236; Lai et Wang-Yang (1976) 182; Chiang et Lin (1984) 34.
- Epipterygium tozeri* (Grev.) Lindb. Chuang (1973) 485; Wang et Lin (1974) 8. f. 18; Lai et Wang-Yang (1976) 182; Shaw (1984) 136. f. 5-14.
- Eriopus japonicus* Card. et Ther. Horikawa (1934b) 715; Ihsiba (1935) 199; Chen *et al.* (1978) 119. f. 264; Takaki (1981) 81.=*Calypstrochaeta japonica*.
- Eriopus mollis* Card. Noguchi (1934b) 291, (1937c) 53. Pl. 7; Wang (1961) 28; Shin (1962) 104; Yang et Lee (1964a) 81; Wang (1970) 492; Iwatsuki et Mizutani (1972) 178. Pl. 25; Lai et Wang-Yang (1976) 182.=*Calypstrochaeta japonica*.
- Eriopus parviretis* Fleisch. Yang et Lee (1964a) 81. Pl. I. f. 11-16; Wang (1967a) 19, (1970) 493; Noguchi et Iwatsuki (1972) 478; Lai et Wang-Yang (1976) 182; Lin (1981) 361.=*Calypstrochaeta parviretis*.
- Eriopus spinosus* Noguchi (1937c) 51. Text-f. 6; Yang et Lee (1964a) 82; Wang (1970) 493; Lai et Wang-Yang (1976) 182; Chen *et al.* (1978) 119.=*Calypstrochaeta spinosa*.
- Erpodium biseratum* (Aust.) Aust. Crum (1972) 209.
- Erythrodontium julaceum* (Hook.) Par. Ihsiba (1935) 199; Noguchi (1936a) 146; Nakanishi (1963) 319; Wang (1963) 223; Noguchi, Takaki et Inoue (1966) 376; Wang (1970) 511; Anonymous (1972) 94. f. 188; Lai et Wang-Yang (1976) 182; Chen *et al.* (1978) 222. f. 337.

- Eumyurium sinicum* (Mitt.) Noguchi Noguchi (1976) 161. f. 45; Iwatsuki (1979) 260. f. I. II. III. XI; Lin (1981) 361.
- Eumyurium sinicum* var. *flagelliferum* (Sak.) Noguchi Wang (1961) 9.=*E. sinicum*.
- Eurhynchium angustirete* (Broth.) T. Kop. Koponen et Lai (1978) 81.
- Eurhynchium arbuscula* Broth. Iwatsuki et Mizutani (1972) 221. Pl. 30; Lin et Tsai (1984) 93.=*Stokesiella arbuscula*.
- Eurhynchium arbusculum* var. *acuminatum* Takaki (1956) 30. f. 39; Wang (1963) 253, (1970) 509; Lai et Wang-Yang (1976) 182; Chen *et al.* (1978) 219.=*Stokesiella arbuscula* var. *acuminatum*.
- Eurhynchium asperisetum* (C. Muell.) Takaki (1956) 24, f. 38; Wang (1963) 253; Horikawa et Ando (1964) 30; Wang (1970) 510; Noguchi (1973c) 314; Lai et Wang-Yang (1976) 182.
- Eurhynchium celebicum* (Bosch et Lac.) Bartr. Yang et Lee (1964) 184; Wang (1967a) 23, (1969) 10, (1970) 510; Lai et Wang-Yang (1976) 182.
- Eurhynchium eustegium* (Besch.) Dix.
- Eurhynchium formosanum* Broth. Sasaoka (1927) 241, (1928e) 415.=*Pseudisothecium myosuroides*.
- Eurhynchium hians* (Hedw.) Lac. Wang (1963) 254, (1970) 538; Iwatsuki et Mizutani (1972) 222. f. 115; Lai et Wang-Yang (1976) 182.=*Stokesiella praelonga*.
- Eurhynchium riparioides* (Hedw.) Richs. Wang (1963) 254, (1970) 510; Lai et Wang-Yang (1976) 182.=*Platyhypnidium riparioides*.
- Eurhynchium striatum* (Hedw.) Schimp. Sasaoka (1920a) 19, (1921a) 272, (1928e) 415; Ihsiba (1929) 231, (1935) 199; Broth. (1924-25) 379; Takaki (1956) 35. f. 41; Wang (1963) 255, (1970) 510; Lai et Wang-Yang (1976) 182; Chen *et al.* (1978) 220; Lin et Tsai (1984) 93; 村越 (1934) 79.
- Eurhynchium vagans* (Harv.) Bartr. Bartr. (1939) 300. Pl. 22. f. 383; Horikawa et Ando (1964) 30; Yang et Lee (1964) 184.=*Rhynchostegium vagans*.
- Eurohypnum leptothallum* (C. Muell.) Ando Ando et Koponen (1971) 49; Iwatsuki et Mizutani (1972) 249. f. 132; Lai et Wang-Yang (1976) 182.
- Eurohypnum leptothallum* auct. non (C. Muell.) Ando Lin (1981) 360.=*Homomallium connexum*.
- Exodictyon blumii* (Hampe) Fleisch. Horikawa (1935b) 592, (1935e) 503, (1939b) 891. Pl. 428. f. 1-6, (1949) 143; Herz. et Noguchi (1955) 59; Wang (1960) 11; Chen *et al.* (1963) 162. f. 103; Shin (1965) 265; Wang (1970) 432; Chuang (1973) 460; Shin (1973) 53; Lai et Wang-Yang (1976) 182; Smith (1976) 65.=*Exostratum blumei*.
- Exodictyon sullivantii* (Doz. et Molk.) Fleisch. Lai et Wang-Yang (1976) 182; Lin (1981) 36.=*Exostratum sullivantii*.
- Exostratum blumei* (Nees ex Hampe) L. T. Ellis (1985) 25. f. 10. 11.
- Exostratum sullivantii* (Doz. et Molk.) L. T. Ellis (1985) 29.
- Fabronia curvirostris* Doz. et Molk. Lin (1981) 360.
- Fabronia formosana* Sakurai (1932) 378; Wang (1963) 213, (1970) 497.=*Helicodontium formosicum*.
- Fabronia secunda* Mont. Iwatsuki et Sharp (1970) 167. f. 3; Lai et Wang-Yang (1976) 182.
- Fauriella tenuis* (Mitt.) Card. Sasaoka (1928a) 131, (1928d) 363; Nakanishi (1963) 321; Wang (1963) 214; Iwatsuki et Sharp (1968) 52. f. 2; Wang (1970) 496; Iwatsuki et Mizutani (1972) 182. Pl. 26; Lai et Wang-Yang (1976) 182; Lin (1981) 360; Chiang et Lin (1984) 34; Lin et Tsai (1984) 92.
- Fissidens adelphinus* Besch. Iwatsuki et Sharp (1970) 161; Iwatsuki et Mizutani (1972) 57. Pl. 4; Chuang (1973) 438; Lai et Wang-Yang (1976) 183; Iwatsuki et Suzuki (1977) 401; Iwatsuki, Suzuki et Lin (1980) 134; Iwatsuki et Suzuki (1982) 414. Pl. XLIII. map VII; Li (1985) 51. f. 22.
- Fissidens anomalus* Mont. Li (1985) 57. f. 25.

- Fissidens areolatus* Griff. Noguchi (1952a) 65. f. 7; Wang (1960) 12; Shin (1964) 101. f. 39; Noguchi (1966) 544; Wang (1970) 417; Noguchi (1972a) 169; Chuang (1973) 438; Noguchi et Iwatsuki (1975) 246; Lai et Wang-Yang (1976) 183; Iwatsuki, Suzuki et Lin (1980) 134; Iwatsuki et Suzuki (1982) 409. Pl. 38. 39. map 6; Lin et Tsai (1984b) 84; Li (1985) 47. f. 20; Iwatsuki et Mohamed (1987) 357.
- Fissidens bogoriensis* Fleisch. Iwatsuki, Suzuki et Lin (1980) 134; Iwatsuki, Suzuki et Lin (1980) 134; Iwatsuki (1982) 114; Iwatsuki et Suzuki (1982) 352. Pl. III. IV. map 1; Li (1985) 5; Iwatsuki et Mohamed (1987) 342.
- Fissidens bryoides* Hedw. Shin (1964) 56; Wang (1967a) 1, (1970) 417; Shin (1971) 50; Chuang (1973) 439; Shin (1973) 52; Lai et Wang-Yang (1976) 183.
- Fissidens bryoides* Hedw. *bryoides* Iwatsuki et Suzuai (1982) 358. Pl. VII. map II; Lin et Tsai (1984) 84; Li (1985) 9. f. 3.
- Fissidens bryoides* var. *esquirolii* (Ther.) Z. Iwatsuki et T. Suzuki (1982) 361. Pl. IX. map II.
- Fissidens bryoides* var. *lateralis* (Broth.) Iwatsuki et Suzuki (1982) 363. Pl. XI. map II; Li (1985) 11.
- Fissidens bryoides* var. *ramosissimus* (Ther.) Iwatsuki et Suzuki (1982) 359. Pl. VIII. map II; Li (1985) 11. f. 3; Iwatsuki et Mohamed (1987) 342.
- Fissidens bryoides* var. *schmidii* (C. Muell.) Chopra et Kumar Li (1985) 13. f. 4.
- Fissidens capitulatus* Noguchi (1949) 146. f. 2; Iwatsuki (1952a) 62; Wang (1960) 13, (1970) 417; Chuang (1973) 439; Lai et Wang-Yang (1976) 183; Iwatsuki, Suzuki, et Lin (1980) 134; Lin (1984a) 14. f. 1; Li (1985) 31. f. 71.
- Fissidens ceylonensis* Doz. et Molk. Iwatsuki et Sharp (1970) 161; Shin (1971) 51; Chuang (1973) 439; Shin (1973) 53; Lai et Wang-Yang (1976) 183; Li (1985) 29. f. 12.
- Fissidens crenulatus* Mitt. var. *elmeri* (Broth.) Iwats. et Suzuki.
- Fissidens cristatus* Wils. ex Mitt. Noguchi (1952a) 64; Wang (1960) 13; Nakanishi (1963) 326; Shin (1964) 94. f. 23. 35, map 2; Iwatsuki et Sharp (1968) 50. f. 1; Wang (1970) 417; Chuang (1973) 439; Lai et Wang-Yang (1976) 183; Lai (1977) 154; Iwatsuki, Suzuki et Lin (1980) 134; Iwatsuki et Suzuki (1982) 418. Pl. XLVI, XLVII. map 8; Chiang et Lin (1984) 34; Lin et Tsai (1984) 84; Li (1985) 53. f. 24.
- Fissidens elegans* auct. non Brid.: Iwatsuki et Suzuki (1977) 391. f. V.=F. *microcladus*.
- Fissidens elmeri* Broth. Wang (1960) 13, (1970) 418; Lai et Wang-Yang (1970) 183.=F. *crenulatus* var. *elmeri*.
- Fissidens elmeri* non Broth.: Herz. et Noguchi (1955) 58; Chuang (1973) 440.=F. *schwabei*
- Fissidens esquirolii* Ther. Iwatsuki et Suzuki (1977) 391. f. VI; Li (1985) 20. f. 9.=F. *bryoides* var. *esquirolii*.
- Fissidens filicinus* Doz. et Molk. Wang (1967a) 2, (1969) 3, (1970) 418; Anonymous (1972) 43. f. 86.=F. *nobilis*.
- Fissidens formosanus* Noguchi (1952a) 63. f. 5; Wang (1960) 13; Shin (1964) 83; Inoue et Iwatsuki (1970) 480; Chuang (1973) 440; Lai et Wang-Yang (1976) 183; Smith (1976) 64; Iwatsuki et Suzuki (1982) 404. Pl. 35. map 6; Li (1985) 43. f. 18.
- Fissidens garberi* Lesq. et James Iwatsuki et Sharp (1970) 161; Shin (1971) 50; Iwatsuki et Mizutani (1972) 54. f. 36; Chuang (1973) 440; Shin (1973) 53; Lai et Wang-Yang (1976) 183.=F. *microcladus*.
- Fissidens geminiflorus* Doz. et Molk. var. *nagasakius* (Besch.) Iwats. Iwatsuki (1969) 272. f. 2; Chuang (1973) 440; Iwatsuki et Mizutani (1972) 57. Pl. 4; Lai et Wang-Yang (1976) 183; Noguchi (1976) 69. f. 18; Iwatsuki et Suzuki (1977) 402; Iwatsuki, Suzuki et Lin (1980) 134; Iwatsuki et Suzuki (1982) 421. Pl. XLIX. L. map VIII; Li (1985) 59. f. 26.

- Fissidens gemmaceus* Herz. et Potier in Herz. et Noguchi (1955) 55. f. 17; Wang (1960) 13.=*F. protonemaecola*.
- Fissidens geppi* Fleisch. Iwatsuki et Sharp (1970) 162; Iwatsuki et Mizutani (1972) 53. f. 36; Chuang (1973) 440; Lai et Wang-Yang (1976) 183; Iwatsuki et Suzuki (1982) 365. Pl. XII. map III; Li (1985) 13. f. 2.
- Fissidens grandifrons* Bridel Yang (1962) 30. Pl. II. f. 1-2; Nakanishi (1963) 320; Shin (1964) 127. f. 33.34; Wang (1967a) 2, (1970) 418; Iwatsuki, Suzuki et Lin (1980) 134; Chopra et Kumar (1981) 58. Pl. 62. 63; Iwatsuki et Suzuki (1982) 426. Pl. LIII, LIV. map VII; Lin et Tsai (1984) 84; Li (1985) 61. f. 28.
- Fissidens grandifrons* var. *planicaulis* (Besch.) Noguchi (1952a) 68. f. 8; Iwatsuki et Mizutani (1972) 58. Pl. 4; Chuang (1973) 440; Lai et Wang-Yang (1976) 183.=*F. grandifrons*.
- Fissidens gymnogynus* Besch, Nakanishi (1963) 320; Shin (1963) 299; Wang (1967a) 2; Iwatsuki et Sharp (1970) 162; Wang (1970) 419; Shin (1971a) 46; Iwatsuki et Mizutani (1972) 57. f. 37; Chuang (1973) 441; Lai et Wang-Yang (1976) 183; Iwatsuki et Suzuki (1982) 405. Pl. XXXVI. map VI.
- Fissidens hetero-limbatus* Sak. Chuang (1973) 441; Lai et Wang-Yang (1976) 183.=*F. tosaensis*.
- Fissidens hollianus* Doz. et Molk. Iwatsuki et Sharp (1970) 162; Chuang (1973) 441; Lai et Wang-Yang (1976) 183; Smith (1976) 64; Iwatsuki et Suzuki (1977) 393; Iwatsuki et Suzuki (1982) 381. Pl. XX. map. IV; Iwatsuki, Suzuki et Lin (1980) 134; Iwatsuki et Mohamed (1987) 345.
- Fissidens hyalinus* Hook. et Wils. Iwatsuki et Sharp (1970) 162; Iwatsuki et Mizutani (1972) 51. Pl. 4; Chuang (1973) 441; Iwatsuki et Sharp (1974) 173; Lai et Wang-Yang (1976) 183; Smith (1976) 64; Iwatsuki et Suzuki (1977) 383, (1982) 350. Pl. I, II. map I; Li (1985) 5. f. 1; Iwatsuki et Mohamed (1987) 341.
- Fissidens incrassatus* Sull. et Lesq. Iwatsuki (1966) 55; Wang (1970) 419; Iwatsuki et Mizutani (1972) 55. Pl. 4; Chuang (1973) 441; Shin (1973) 52; Lai et Wang-Yang (1976) 183; Wang et Lin (1974) 4. f. 1; Noguchi (1976) 69. f. 18; Smith (1976) 64.=*Fissidens zippelianus*.
- Fissidens intromarginatus* Bartr. Li (1985) 25. f. 11.=*F. ceylonensis*
- Fissidens irroratus* Cardot (1905) 99. f. 5; Sawada (1914) 3, Broth. (1924-25) 153; Sasaoka (1928b) 182; Ihsiba (1929) 17; Sakurai (1933a) 741; Ihsiba (1935) 199.=*F. geminiflorus* var. *nagasakinus*.
- Fissidens japonicus* Doz. et Molk. Okamura (1916) 6; Sasaoka (1928b) 182; Horikawa (1935a) 215; Ihsiba (1935) 199; Horikawa (1939b) 877. Pl. 421. f. 10-16; Noguchi (1939) 754, (1952a) 66; Amakawa et Osada (1956) 50; Wang (1960) 14; Shin (1964) 90; Iwatsuki et Mizutani (1972) 55. Pl. 4; Lai et Wang-Yang (1976) 183.=*F. nobilis*.
- Fissidens javanicus* Doz. et Molk. Iwatsuki et Sharp (1970) 162; Chuang (1973) 442; Lai et Wang-Yang (1976) 183; Iwatsuki et Suzuki (1977) 399. f. XI; Iwatsuki, Suzuki et Lin (1980) 135; Iwatsuki et Suzuki (1982) 401. Pl. XXXIII. map VI; Li (1985) 41. f. 17.
- Fissidens laxus* Sull. et Lesq. Iwatsuki et Suzuki (1977) 396; Iwatsuki, Suzuki et Lin (1980) 135; Iwatsuki et Suzuki (1982) 390. Pl. XXV. map V; Li (1985) 35. f. 15.
- Fissidens lateralis* Broth. Iwatsuki, Suzuki et Lin (1980) 135.=*F. bryoides* var. *lateralis*.
- Fissidens microcladus* Thwait. et Mitt. Iwatsuki (1982) 124; Iwatsuki et Suzuki (1982) 377. Pl. XIX. map IV; Li (1985) 25. f. 11.
- Fissidens micro-serratus* Sak. Iwatsuki et Sharp (1970) 162; Chuang (1973) 442; Lai et Wang-Yang (1976) 183; Iwatsuki et Suzuki (1977) 394.=*F. obscurirete*.
- Fissidens minutulus* Sull. Wang (1970) 419.

- Fissidens mittenii* Par. Noguchi (1951) 41, (1952a) 62; Wang (1960) 14; Shin (1964) 73. f. 17; Iwatsuki (1967) 101; Iwatsuki et Sharp (1970) 162; Wang (1970) 419; Chuang (1973) 442; Noguchi et Iwatsuki (1975) 247; Lai et Wang-Yang (1976) 183.=*F. laxus*.
- Fissidens nagasakinus* Besch. Cardot (1905) 99; Sawada (1914) 3; Okamura (1916) 8; Sasaoka (1928b) 182; Ihsiba (1929) 18, (1935) 199; Noguchi (1952a) 64. f. 6, (1963a) 48; Wang (1960) 14; Shin (1964) 103. f. 25. 38; Wang (1970) 419.=*F. geminiflorus* var. *nagasakinus*.
- Fissidens nobilis* Griff. Herz. et Noguchi (1955) 58; Wang (1960) 14; Horikawa et Ando (1964) 4; Wang (1969) 3; Chuang (1973) 442; Shin (1973) 52; Noguchi et Iwatsuki (1975) 247; Iwatsuki et Suzuki (1977) 402; Iwatsuki, Suzuki et Lin (1980) 135; Lin (1981) 360; Iwatsuki et Suzuki (1982) 416. Pl. XLIV, XLV. map VII; Li (1985) 53.f. 23.
- Fissidens obscurirete* Broth. et Par. Iwatsuki (1982) 124; Iwatsuki et Suzuki (1982) 376. Pl. XVIII. map IV; Li (1985) 24. f. 10.
- Fissidens papillosus* Lac. Iwatsuki et Sharp (1970) 163; Chuang (1973) 443; Wang (1975) 60; Lai et Wang-Yang (1976) 183; Iwatsuki et Suzuki (1977) 395; Iwatsuki, Suzuki et Lin (1980) 135; Iwatsuki (1982) 121; Iwatsuki et Suzuki (1982) 394. Pl. XXVIII. map V; Li (1985) 37. f. 16; Iwatsuki et Mohamed (1987) 351.
- Fissidens perdecurrens* Besch. Ihsiba (1929) 18, (1935) 199; Wang (1960) 15; Iwatsuki et Sharp (1970) 163; Iwatsuki et Mizutani (1972) 57. Pl. 37; Chuang (1973) 443; Lai et Wang-Yang (1976) 183; Iwatsuki et Suzuki (1977) 405; Iwatsuki, Suzuki et Lin (1980) 135; Iwatsuki et Suzuki (1982) 424. Pl. LI. map VIII; Li (1985) 59. f. 27.
- Fissidens plagiochiloides* Besch. Iwatsuki, Suzuki et Lin (1970) 135; Chuang et Iwatsuki (1970) 68; Chuang (1973) 443; Lai et Wang-Yang (1976) 183; Iwatsuki et Suzuki (1982) 411. Pl. XLI, L. map VII; Lin et Tsai (1984) 84.
- Fissidens planicaulis* Besch. Sasaoka (1920a) 19, (1928b) 182; Ihsiba (1929) 18; Noguchi (1934b) 289; Horikawa (1939b) 879. Pl. 422. f. 9-10; Wang (1960) 15.=*F. grandifrons*.
- Fissidens protonemaecola* Sak. Noguchi (1963b) 61; Shin (1964) 75. f. 40. map 14; Wang (1967a) 3, (1970) 420; Iwatsuki et Mizutani (1972) 54. f. 37; Chuang (1973) 443; Lai et Wang-Yang (1976) 183; Iwatsuki et Suzuki (1982) 354. Pl. VI. map 1; Li (1985) 8. f. 1.
- Fissidens pursellii* Lin (1984d) 58. f. 2, (1984a) 14. f. 2.
- Fissidens ryukyuensis* Bartr. Iwatsuki et Sharp (1970) 163; Chuang (1973) 444; Lai et Wang-Yang (1976) 183; Iwatsuki et Suzuki (1977) 387.=*F. bryoides* var. *ramosissimus*.
- Fissidens sakourae* Broth. et Par. Cardot (1905) 100; Broth. (1909) 1188, (1924-25) 151; Sawada (1914) 3; Sasaoka (1928b) 182; Ihsiba (1929) 19; Sakurai (1933a) 742; Ihsiba (1935) 199; Herz. et Noguchi (1955) 58; Noguchi (1952a) 62. f. 4; Wang (1960) 15; Nakanishi (1963) 319; Noguchi (1963b) 61. f. 23; Shin (1964) 84; Wang (1964) 4, (1967b) 98; Shin (1965) 264.=*F. zippelianus*.
- Fissidens saxatilis* Tuz. et Noguchi Iwatsuki (1970) 96; Iwatsuki et Sharp (1970) 163; Chuang (1973) 444; Lai et Wang-Yang (1976) 183.=*F. strictulus*.
- Fissidens schwabei* Noguchi in Herz. et Noguchi (1955) 58. f. 19; Wang (1960) 15, (1970) 420; Chuang (1973) 444; Lai et Wang-Yang (1976) 183; Iwatsuki et Suzuki (1977) 394; Iwatsuki, Suzuki et Lin (1980) 135; Iwatsuki et Suzuki (1982) 385. Pl. XXII. map IV; Li (1985) 33. f. 13.
- Fissidens splachnobryoides* Broth. Chen *et al.* (1963) 164; Chuang (1973) 444; Noguchi et Iwatsuki (1975) 247; Iwatsuki et Suzuki (1977) 386; Chopra et Kumar (1981) 46. Pl. 44; Iwatsuki (1982) 124; Iwatsuki et Suzuki (1982) 353. Pl. V. map I; Lin (1984a) 14. f. 3, (1984d) 58. f. 3; Li (1985) 8. f. 2; Iwatsuki et Mohamed (1987) 342.

- Fissidens splachnobryoides* f. *subbrachyneuron* (Ther. et P. de la Varde) Herz. in Herz. et Noguchi (1955) 55; Wang (1960) 16, (1970) 537; Lai et Wang-Yang (1976) 183.= *F. splachnobryoides*.
- Fissidens strictulus* C. Muell. Iwatsuki et Suzuki (1982) 372. Pl. XVI. map III; Li (1985) 19. f. 7.
- Fissidens sylvaticus* Griff. Wang (1970) 420; Noguchi (1972a) 171; Chuang (1973) 442; Lai et Wang-Yang (1976) 183.= *F. taxifolius*.
- Fissidens taiwanensis* Herz. et Noguchi (1955) 57. f. 18; Wang (1960) 16.= *F. bryoides* var. *bryoides*.
- Fissidens taxifolius* Hedw. Nakanishi (1963) 319; Wang (1967a) 3; Iwatsuki et Sharp (1970) 163; Wang (1970) 420; Shin (1971) 50; Chuang (1973) 438; Shin (1973) 52; Lai et Wang-Yang (1976) 183; Iwatsuki, Suzuki et Lin (1980) 135; Iwatsuki et Suzuki (1982) 413. Pl. XLII. map VII; Lin et Tsai (1984) 84; Li (1985) 49. f. 21.
- Fissidens tokubuchii* Broth. Wang (1960) 16.= *F. gymnogynus*.
- Fissidens tosaensis* Broth. Iwatsuki et Suzuki (1977) 389. f. IV, (1982) 369. Pl. XIV. map III; Lin (1984a) 15. f. 4, (1984d) 59. f. 4.
- Fissidens wichurae* Broth. et Fleisch. Iwatsuki et Sharp (1970) 163; Chuang (1973) 445; Lai et Wang-Yang (1976) 183; Li (1985) 24. f. 10; Iwatsuki et Mohamed (1987) 347. f. III.
- Fissidens xiphioides* Fleisch. Shin (1971) 50, (1973) 52; Noguchi et Iwatsuki (1975) 248; Lai et Wang-Yang (1976) 183; Iwatsuki, Suzuki et Lin (1980) 135; Iwatsuki et Suzuki et Suzuki (1977) 390.= *F. zollingeri*.
- Fissidens yamamotoi* Sak. Iwatsuki et Sharp (1970) 164; Chuang (1973) 445; Lai et Wang-Yang (1976) 183.= *F. bryoides* var. *esquirolii*.
- Fissidens zippelianus* Doz. et Molk. Okamura (1916) 8; Sasaoka (1915) 56, (1928b) 182; Ihsiba (1929) 19, (1935) 199; Shin (1951b) 270; Wang (1960) 16; Iwatsuki, Suzuki et Lin (1980) 135; Lin (1981) 361; Iwatsuki (1982) 124; Iwatsuki et Suzuki (1982) 398. Pl. XXXI. map V; Chiang et Lin (1984) 34; Lin (1984a) 15. f. 5, (1984d) 59. f. 5; Li (1985) 40. f. 17.
- Fissidens zollingeri* Mont. Iwatsuki (1982) 124; Iwatsuki et Suzuki (1982) 367. Pl. XII. map III.
- Fleischrobryum longicolle* (Hampe) Loeske Ochi (1962b) 155, (1963) 100. Pl. 13; Wang (1964) 6; Noguchi (1966) 566, (1967a) 101. f. 93; Wang (1967b) 100, (1968) 6, (1970) 467; Chuang et Iwatsuki (1970) 68; Iwatsuki et Mizutani (1972) 132. Pl. 18; Chuang (1973) 494; Iwatsuki et Noguchi (1975) 323; Lai et Wang-Yang (1976) 183; Noguchi (1976) 139. f. 37.
- Fleischrobryum macrophyllum* Broth. Lin (1984b) 345. f. 19-25.
- Floribundaria aurea* (Mitt.) Broth. Sasaoka (1928d) 360; Ihsiba (1929) 151, (1935) 199; Sakurai (1943a) 255; Noguchi (1948b) 95; Wang (1961) 18; Noguchi (1966) 572; Noguchi, Takaki et Inoue (1966) 371; Iwatsuki (1967) 288; Wang (1970) 484; Lai et Wang-Yang (1976) 183; Smith (1976) 75; Chen *et al.* (1978) 79; Tan (1984) 7; 村越 (1934) 107.
- Floribundaria aurea* (Mitt.) Broth. ssp. *aurea* Noguchi (1976a) 281. f. 20; Wu et Lin (1985a) 9. Pl. 9.
- Floribundaria aurea* ssp. *nipponica* (Nog.) Noguchi (1976a) 283. f. 20; Wu et Lin (1985a) 9. Pl. 10.
- Floribundaria floribunda* (Doz. et Molk.) Fleisch. Sasaoka (1928d) 360; Herz. et Noguchi (1955) 64; Wang (1961) 18, (1970) 484; Lai et Wang-Yang (1976) 183; Noguchi (1976a) 271. f. 15; Chen *et al.* (1978) 79. f. 241; Lin (1981) 361; Iwatsuki et Mizutani (1983) 195; Wu et Lin (1985a) 5. Pl. 5.

- Floribundaria pendula* (Sull.) Fleisch. Broth. (1909) 821.=*Barbella pendula*.
- Floribundaria nipponica* Noguchi Wang (1970) 489; Iwatsuki et Mizutani (1972) 164. Pl. 23; Lai et Wang-Yang (1976) 183; Wang (1975) 60.=*F. aurea* ssp. *nipponica*.
- Floribundaria nipponica* non Nog. Wang (1967) 8.=*F. aurea* ssp. *aurea*.
- Floribundaria pseudo-floribunda* Fleisch. Noguchi (1948b) 94; Wang (1961) 19, (1970) 485, (1975) 60; Lai et Wang-Yang (1976) 183; Noguchi (1976a) 275. f. 17; Chen *et al.* (1978) 79; Lin (1981) 360; Wu et Lin (1985a) 7. Pl. 7.
- Floribundaria setschwanica* Broth. Noguchi (1976a) 277. f. 18.
- Floribundaria sparsa* (Mitt.) Broth. Noguchi (1965) 151, (1966) 572; Noguchi, Takaki et Inoue (1966) 371; Wang (1967a) 17, (1970) 485; Noguchi (1971a) 249, (1973b) 243; Lai et Wang-Yang (1976) 183; Chen *et al.* (1978) 79; Lin et Tsai (1984) 91; Wu et Lin (1985a) 10. Pl. 11.
- Floribundaria sparsa* (Mitt.) Broth. var. *sparsa* Noguchi (1976a) 285. f. 21; Lin (1981) 360.
- Floribundaria torquata* Wang et Lin (1975) 203. f. 2; Wang (1975) 60; Lai et Wang-Yang (1976) 183; Crosby (1977) 296; Wu et Lin (1985a) 8. Pl. 8.
- Floribundaria walkeri* (Ren. et Card.) Broth. Wu et Lin (1985a) 6. Pl. 6.
- Forsstroemia recurvilinearata* Noguchi f. *filiformis* Noguchi (1947a) 37; Wang (1961) 4, (1970) 473; Lai et Wang-Yang (1976) 183; Chen *et al.* (1978) 32.
- Forsstroemia recurvilinearata* f. *recurvilinearata* Noguchi (1947a) 36. f. 2; Wang (1961) 4, (1970) 473; Lai et Wang-Yang (1976) 183; Chen *et al.* (1978) 32.
- Forsstroemia trichomitria* (Hedw.) Lindb. Chuang et Iwatsuki (1970) 68; Iwatsuki et Mizutani (1972) 150. f. 74; Lai et Wang-Yang (1976) 183.
- Funaria buseana* (Bryol. jav.) Broth. Sasaoka (1928b) 190; Toyama (1937) 44; Wang (1960) 24.=*Entosthodon buseanus*.
- Funaria calvescens* Schwaegr. Sasaoka (1920a) 19, (1928b) 190; Ihsiba (1929) 85; Wang (1960) 25; Yang et Lee (1964) 182.=*F. hygrometrica*.
- Funaria hygrometrica* Hedw. Okamura (1916) 18; Sasaoka (1915) 56, (1928b) 190; Ihsiba (1929) 85, (1935) 199; Horikawa (1939b) 901. Pl. 433. f. 1-7; Herz. et Noguchi (1955) 61; Wang (1960) 25, (1970) 446; Yang (1971) 186. Pl. IV; Chuang (1973) 478; Wang et Lin (1974) 7. f. 15; Lai et Wang-Yang (1976) 183; Lin et Tsai (1984) 87.
- Funaria japonica* Broth. Ochi (1968b) 23. f. 11. 17; Wang (1970) 447; Chuang (1973) 478; Lai et Wang-Yang (1976) 183; Chiang et Lin (1984) 34.
- Funaria mutica* Broth. Ihsiba (1935) 199.=*F. japonica*.
- Gammiella merrillii* (Broth.) P. Tixier (1977) 440. f. 18.
- Garckea comosa* (Doz. et Molk.) Wijk et Marg. Chuang (1973) 447; Noguchi (1973b) 236; Wang et Lin (1974) 4; Noguchi et Iwatsuki (1975) 248; Lai et Wang-Yang (1976) 184.=*G. flexuosa*.
- Garckea flexuosa* (Griff.) Marg. et Nork.
- Garckea phasoides* (Hook.) C. Muell. Sasaoka (1929) 20; Ihsiba (1932) 79, (1935) 200; Chen *et al.* (1963) 101; Wang (1960) 4, (1970) 420.=*G. flexuosa*.
- Garovaglia crassiuscula* Cardot (1905) 114. f. 15; Broth. (1909) 1224; Sawada (1914) 5.=*Pterobryopsis crassiuscula*.
- Garovaglia elegans* (Doz. et Molk.) Bosch et Lac. ssp. *elegans* var. *elegans* fo. *elegans* During (1977) 170. f. 2. 62. 63.
- Garovaglia fauriei* Broth. et Par. Cardot (1905) 114; Sawada (1914) 5.=*G. elegans* ssp. *elegans* var. *elegans* f. *elegans*.
- Garovaglia formosica* Okamura Ihsiba (1916) 143; Sasaoka (1928c) 251; Ihsiba (1935) 200.=*G. elegans* ssp. *elegans* var. *elegans* fo. *elegans*.

- Garovaglia plicata* (Brid.) Bosch et Lac. Sasaoka (1920a) 19, (1928c) 252; Ihsiba (1929) 144, (1939) 200; Noguchi et Iwatsuki (1972) 460.
- Garovaglia plicata* (Brid.) Bosch et Lac. ssp. *punctidens* (Williams) During (1977) 113. f. 33. 37.
- Garovaglia plicata* ssp. *plicata* var. *plicata* During (1977) 101. f. 1. 2. 32-37; Tixier (1980) 382.
- Garovaglia taiwanensis* Noguchi (1947a) 77. f. 19; Wang (1961) 11, (1970) 479; Lai et Wang-Yang (1976) 184; Chen *et al.* (1978) 55. f. 227.=*G. plicata* ssp. *punctidens*.
- Georgia pellucida* (L.) Rabenh. Noguchi (1934b) 289; Horikawa (1936) 204, (1939b) 903. Pl. 434; Noguchi (1954b) 28; Wang (1960) 2.=*Tetraphis pellucida*.
- Giraldiella levieri* C. Muell. Toyama (1938) 108; Wang (1970) 518; Lai et Wang-Yang (1976) 184.
- Glossadelphus alaris* Broth. et Yas. Sasaoka (1928e) 417; Ihsiba (1929) 254, (1935) 200; Wang (1970) 518; Lai et Wang-Yang (1976) 184; Chen *et al.* (1978) 256.
- Glossadelphus alaris* auct. non Broth. et Yas.: Sakurai (1938) 135.=*Duthiella flaccida*.
- Glossadelphus lingulatus* (Card.) Fleisch. Sasaoka (1928e) 417; Ihsiba (1929) 255, (1935) 200; Toyama (1938) 102; Sakurai (1941a) 209. f. 9; Wang (1963) 233; Iwatsuki et Sharp (1967a) 303; Wang (1970) 518; Iwatsuki et Mizutani (1972) 247. f. 130; Lai et Wang-Yang (1976) 184; Noguchi (1976) 250. f. 73; Chen *et al.* (1978) 256.
- Glossadelphus malacocladus* (Card.) Broth. Sasaoka (1928e) 417; Ihsiba (1929) 255, (1935) 200; Chen *et al.* (1978) 255.=*Ectropothecium zollingeri*.
- Glossadelphus planifrons* (Broth. et Par.) Fleisch. Broth. (1924-25) 444; Sasaoka (1928e) 417; Ihsiba (1929) 255, (1935) 200; Chen *et al.* (1978) 255.=*Ectropothecium zollingeri*.
- Glossadelphus planifrons* var. *formosicum* Card. Ihsiba (1929) 255.=*Ectropothecium zollingeri*.
- Glossadelphus rivicola* Broth. (1929) 13; Wang (1964) 233.=*Ectropothecium zollingeri*.
- Glossadelphus zollingeri* (C. Muell.) Fleisch. Herz. et Noguchi (1955) 69; Wang (1963) 233; Chen *et al.* (1978) 255.=*Ectropothecium zollingeri*.
- Glyphomitrium calycinum* (Mitt.) Card. Herz. et Noguchi (1955) 62; Wang (1960) 16; Iwatsuki (1964) 180; Wang (1970) 441; Lai et Wang-Yang (1976) 184; Chen *et al.* (1978) 6.
- Glyphomitrium formosanum* Iwatsuki (1964) 179. f. 1; Wang (1967a) 6; Chen *et al.* (1978) 6.
- Glyphomitrium formosanum* var. *formosanum* Wang (1970) 44; Lai et Wang-Yang (1976) 184.
- Glyphomitrium formosanum* Iwatsuki var. *serratum* Iwatsuki in Iwatsuki et Sharp (1970) 165. f. 1; Lai et Wang-Yang (1976) 184.
- Glyptothecium sciuroides* (Hook.) Hampe Noguchi (1947a) 51; Wang (1961) 5, (1970) 474; Lai et Wang-Yang (1976) 184; Chen *et al.* (1978) 40. f. 216; Hattaway (1981) 344. f. 1-7.
- Gollania arisanensis* Sakurai (1932a) 507; Ihsiba (1935) 200; Sakurai (1941a) 210. f. 12; Wang (1963) 245, (1970) 528; Lai et Wang-Yang (1976) 184; Chen *et al.* (1978) 275; Higuchi (1985) 58. f. 30.
- Gollania clarescens* (Mitt.) Broth. Sasaoka (1927) 241, (1928e) 422; Ihsiba (1932) 79, (1935) 200; Wang (1963) 245, (1970) 528; Lai et Wang-Yang (1976) 184.
- Gollania cochlearifolia* Broth. Sasaoka (1928a) 132, (1928e) 422; Ihsiba (1935) 200; Wang (1963) 245; Chen *et al.* (1978) 275.=*Elmeriobryum philippinensis*.
- Gollania cochlearifolia* f. *cochlearifolia* Wang (1970) 529; Lai et Wang-Yang (1976) 184.=*Elmeriobryum philippinensis*.

- Gollania cochlearifolia* f. *minor* Broth. ex Ihsiba Sasaoka (1928a) 132, (1928e) 422; Ihsiba (1935) 200; Wang (1970) 529; Lai et Wang-Yang (1976) 184.=*Elmeriobryum philippinensis*.
- Gollania cylindricarpa* (Mitt.) Broth. Higuchi (1985) 58. f. 31. 32.
- Gollania japonica* (Card.) Ando et Higuchi Higuchi (1985) 35. f. 19.
- Gollania macrothamnioides* Broth. Ihsiba (1935) 200.=*G. varians*.
- Gollania philippinensis* (Broth.) Noguchi Nakanishi (1963) 319; Noguchi (1962) 241; Wang (1967a) 26; Noguchi (1968) 315; Wang (1970) 529; Lai et Wang-Yang (1976) 184; Chen *et al.* (1978) 275; Lin (1981) 360; Iwatsuki et Mizutani (1983) 195; Lin (1984) 345; Higuchi (1985) 37. f. 20.=*Elmeriobryum philippinense*.
- Gollania robusta* Broth. Higuchi (1985) 41. f. 21. 22.
- Gollania ruginosa* (Mitt.) Broth. Nakanishi (1963) 320; Wang (1967a) 26, (1970) 529; Iwatsuki et Mizutani (1972) 261. f. 140; Noguchi (1973a) 109. f. 254; Lai et Wang-Yang (1976) 184; Noguchi (1976) 268. f. 79; Lin et Tsai (1984) 95; Higuchi (1985) 49. f. 26. 27.
- Gollania subtereticaulis* Broth. et Yas. in Broth. (1928) 26; Ihsiba (1935) 200; Wang (1970) 529; Lai et Wang-Yang (1976) 184; Chen *et al.* (1978) 275.=*G. ruginosa*.
- Gollania varians* (Mitt.) Broth. Wang (1970) 529; Iwatsuki et Mizutani (1972) 262. f. 140; Lai et Wang-Yang (1976) 184.
- Grimmia affinis* Hornsch. Cao et Vitt (1986) 137. f. 1. 2.
- Grimmia apocarpa* Hedw. Wang (1967) 4; Lin (1981) 361; Lin et Tsai (1984) 86.=*Schistidium apocarpum*.
- Grimmia apocarpa* Hedw. var. *apocarpa* Wang (1970) 442; Chuang (1973) 474; Lai et Wang-Yang (1976) 184.=*Schistidium apocarpum*.
- Grimmia apocarpa* Hedw. var. *gracilis* Roehl. Chuang (1973) 475; Lai et Wang-Yang (1976) 184.=*Schistidium apocarpum*.
- Grimmia decalvata* Card. Chuang (1973) 475; Lai et Wang-Yang (1976) 184.=*G. elongata*.
- Grimmia elongata* Kaulf. Noguchi (1936a) 140; Takaki (1951a) 178; Wang (1960) 17, (1970) 442; Chuang (1973) 475; Lai et Wang-Yang (1976) 184; Deguchi (1978) 185. f. 29. 30; Lin et Tsai (1984) 86; Cao et Vitt (1986) 155. f. 12-14.
- Grimmia ovalis* (Hedw.) Lindb. Chuang (1973) 475; Lai et Wang-Yang (1976) 184.
- Gymnostomiella longinervis* Broth. Noguchi (1944a) 145; Herz. et Noguchi (1955) 60; Wang (1960) 23; Shin (1962) 93; Wang (1970) 447; Iwatsuki et Mizutani (1972) 105. f. 55; Chuang (1973) 479; Lai et Wang-Yang (1976) 184; Iwatsuki (1978) 557.
- Gymnostomum angustifolium* Saito (1972a) 163. f. 1-3, (1975) 451. f.; Lai et Wang-Yang (1976) 184.=*Tuerckheimia angustifolia*.
- Gymnostomum curvirostrum* (Ehrh.) Brid. Wang (1970) 436; Lai et Wang-Yang (1976) 184.=*Hymenostylium recurvirostre*.
- Gymnostomum inconspicuum* Griff. Noguchi (1960) 306.
- Gymnostomum recurvirostratum* Mitt. Noguchi (1953a) 295. f. 60-63; Shin (1973) 53.=*Hymenostylium recurvirostre*.
- Habrodon leuchotrichus* (Mitt.) Perss. Nakanishi (1963) 325, (1964a) 72; Wang (1967a) 20, (1970) 497; Lai et Wang-Yang (1976) 184.=*Iwatsukiella leucotricha*.
- Haplocladium amblystegiodes* (Broth. et Par.) Broth. Ihsiba (1929) 193; 村越 (1934) 99.=*Bryohaplocladium angustifolium*.
- Haplocladium angustifolium* (Hampe et C. Muell.) Broth. Shin (1967) 109; Wang (1968) 8; Watanabe (1972) 199. Pl. 20; Wang et Lin (1974) 9. f. 24; Lai et Wang-Yang (1976) 184; Watanabe (1977) 138.=*Bryohaplocladium angustifolium*.
- Haplocladium capillatum* (Mitt.) Broth. Broth. (1909) 1008; Sasaoka (1915) 56; Okamura (1916) 58; Broth. (1924-25) 320; Sasaoka (1928d) 364; Herz. et Noguchi (1955) 67; Wang (1963) 218, (1970) 501.=*Bryohaplocladium microphyllum*.

- Haplocladium capillatum* var. *spurio-capillatum* (Broth. et Paris) Ihsiba Ihsiba (1935) 200. nom nud.
- Haplocladium carminati* (Broth. et Par.) f. *laevissima* Ther. Ihsiba (1935) 200.
- Haplocladium imbricatum* Broth. (1928) 22; Sasaoka (1928a) 132, (1928d) 364.=*Bryohaplocladium larminatii*.
- Haplocladium larminatii* (Broth. et Par.) Broth. Sakurai (1933a) 745; Wang (1963) 218, (1970) 501; Watanabe (1972) 200. Pl. 21; Lai et Wang-Yang (1976) 184.=*Bryohaplocladium larminatii*.
- Haplocladium latifolium* (Lac.) Broth. Broth. (1909) 1008; Sasaoka (1915) 56; Okamura (1916) 58; Broth. (1924-25) 320; Sasaoka (1928d) 364; Ihsiba (1929) 193.=*Bryohaplocladium microphyllum*.
- Haplocladium microphyllum* (Hedw.) Broth. Broth. (1924-25) 320; Sasaoka (1928d) 364; Ihsiba (1929) 194, (1935) 200; Wang (1963) 218, (1970) 501; Watanabe (1972) 194. Pl. 16; Lai et Wang-Yang (1976) 184; Watanabe (1976) 79. f. 1; Chen *et al.* (1978) 170; Iwatsuki (1978) 558.=*Bryohaplocladium microphyllum*.
- Haplocladium microphyllum* ssp. *eumicrophyllum* Reim. Reimers (1937) 231. Abb. 5.-12. 17-24.=*Bryohaplocladium microphyllum*.
- Haplocladium microphyllum* var. *latifolium* (Lac.) Ther. Ihsiba (1935) 200; Herz. et Noguchi (1955) 67; Wang (1963) 218, (1970) 501.=*Bryohaplocladium microphyllum*.
- Haplocladium minutifolium* Ther. Herz. et Noguchi (1955) 67; Wang (1963) 219, (1970) 502; Chen *et al.* (1978) 169.=*Claopodium aciculum*.
- Haplocladium occultissimum* C. Muell. Sasaoka (1928d) 365; Wang (1963) 219.=*Thuidium occultissimum*.
- Haplocladium spurio-capillatum* Broth. Ihsiba (1929) 194.=*Bryohaplocladium microphyllum*.
- Haplocladium subulaceum* (Mitt.) Broth. var. *amblystegioides* (Broth. et Par.) Ther. Ihsiba (1935) 200; Wang (1963) 219, (1970) 502.=*Bryohaplocladium angustifolium*.
- Haplohymenium fasciculare* Noguchi (1937b) 791. f. 4.=*H. pseudo-triste*.
- Haplohymenium filiforme* auct. non (Thwait. et Mitt.) Broth.; Herz. et Noguchi (1955) 66; Wang (1963) 215.=*H. pseudo-triste*.
- Haplohymenium formosanum* Noguchi (1936) 43. f. 3; Nakanishi (1963) 326; Wang (1963) 215; Watanabe (1964) 272; Wang (1970) 498; Watanabe (1972) 227. Pl. 42; Lai et Wang-Yang (1976) 184; Chen *et al.* (1978) 164; Lin (1981) 360.
- Haplohymenium longinerve* (Broth.) Broth. Watanabe (1964) 272; Wang (1967a) 21, (1970) 498; Iwatsuki et Mizutani (1972) 193. Pl. 27; Watanabe (1972) 229. Pl. 44; Lai et Wang-Yang (1976) 184; Takaki (1981) 80.
- Haplohymenium pellucens* Broth. (1928) 21; Sasaoka (1928a) 132, (1928d) 365; Ihsiba (1935) 200; Wang (1963) 215.=*H. sieboldii*.
- Haplohymenium pellucens* var. *obtusifolium* Broth. (1928) 21; Ihsiba (1935) 200.=*H. pseudo-triste*.
- Haplohymenium pseudo-triste* (C. Muell.) Broth. Wang (1963) 215; Shin (1967) 110; Wang (1970) 498; Watanabe (1972) 227. Pl. 42; Shin (1973) 56; Lai et Wang-Yang (1976) 184; Chen *et al.* (1978) 165; Lin (1981) 362.
- Haplohymenium sieboldii* (Dozy et Molk.) Dozy et Molk. Sasaoka (1928a) 132, (1928d) 365; Wang (1963) 216; Shin (1967) 111; Wang (1970) 499; Iwatsuki et Mizutani (1972) 193; Watanabe (1972) 228. Pl. 43; Lai et Wang-Yang (1976) 185; Chen *et al.* (1978) 163.
- Haplohymenium spinosum* Noguchi (1937b) 789. f. 3.=*H. longinerve*.
- Haplohymenium submicrophyllum* (Card.) Broth. Broth. (1909) 986, (1924-25) 313; Sasaoka (1927) 241, (1928d) 365; Ihsiba (1929) 187, (1935) 200; Noguchi (1937a) 412; Herz. et Noguchi (1955) 66; Wang (1963) 216; 村越 (1934) 100.=*H. pseudo-triste*.

- Haplohymenium triste* (Cesati) Kindb. Sasaoka (1928d) 365; Nakanishi (1963) 319; Shin (1967) 112; Wang (1968) 8, (1970) 557; Watanabe (1972) 225. Pl. 41; Lai et Wang-Yang (1976) 185; Lin (1981) 361.
- Hedwigia albicans* (Web.) Lindb. Horikawa (1939b) 933. Pl. 449. f. 1-7; Wang (1961) 3; 村越 (1934) 111.=*H. ciliata*.
- Hedwigia ciliata* (Hedw.) Ehrh. ex P. Beauv. Ihsiba (1929) 133; Iwatsuki (1957) 3; Wang (1970) 472; Lai et Wang-Yang (1976) 185; Lin (1984b) 346; Lin et Tsai (1984) 90.
- Helicodontium formosicum* (Card.) Buck (1980) 52.
- Herpetineuron formosicum* Broth. (1928) 22; Sasaoka (1928a) 132, (1928d) 365; Ihsiba (1935) 200; Wang (1963) 216, (1970) 502.=*H. toccoe*.
- Herpetineuron toccoe* (Sull. et Lesq.) Card. (1905) 128; Sawada (1914) 7; Broth. (1909) 990, (1924-25) 315; Sasaoka (1928d) 365; Ihsiba (1929) 190; Reimers (1931) 58; Herz. et Noguchi (1955) 67; Iwatsuki (1958a) 341. f. 3; Hong et Kim (1960) 103; Wang (1963) 216; Shin (1967) 112; Wang (1970) 502; Shin (1971) 52; Watanabe (1972) 240. Pl. 54; Shin (1973) 55; Lai et Wang-Yang (1976) 185; Lin (1981) 361; 村越 (1934) 99.
- Herzogiella perrobusta* (Broth. et Card.) Iwats. Lai et Wang-Yang (1976) 185.
- Heterophyllum brachycarpum* (Mitt.) Fleisch. Nakanishi (1963) 322; Wang (1963) 228, (1970) 514.=*H. nemorosum*.
- Heterophyllum foliolatum* (Card.) Wijk et Marg. Iwatsuki et Mizutani (1972) 241. f. 126; Lai et Wang-Yang (1976) 185.=*H. nemorosum*.
- Heterophyllum nemorosum* Broth. ex P. Varde et Ther.
- Himantocladium cyclophyllum* (C. Muell.) Fleisch. Herz. et Noguchi (1955) 64; Wang (1961) 22; Horikawa et Ando (1964) 18; Wang (1970) 487; Lai et Wang-Yang (1976) 185; Chen *et al.* (1978) 93; Noguchi (1985a) 106.
- Himantocladium elegantulum* Noguchi (1950a) 21. f. 50; Wang (1961) 22; Horikawa et Ando (1964) 18; Wang (1970) 487; Lai et Wang-Yang (1976) 185; Chen *et al.* (1978) 93.
- Himantocladium formosicum* Broth. et Yas. Sasaoka (1928d) 361; Ihsiba (1929) 159, (1935) 200; Noguchi (1950a) 20. f. 49; Wang (1961) 22, (1970) 488; Shin (1973) 56; Lai et Wang-Yang (1976) 185; Chen *et al.* (1978) 93; Lin (1981) 360.
- Himantocladium loriforme* (Bosch et Lac.) Fleisch. Okamura (1916) 37. f. 16; Sasaoka (1928d) 361; Ihsiba (1929) 159; Horikawa (1934b) 714, (1935) 200; Noguchi (1937b) 786; Sakurai (1943a) 254; Herz. et Noguchi (1955) 64; Wang (1961) 22, (1970) 488; Shin (1973) 56; Lai et Wang-Yang (1976) 185; Smith (1976) 75; Chen *et al.* (1978) 93; 村越 (1934) 106.
- Himantocladium plumula* (Nees) Fleisch. Herz. et Noguchi (1955) 64; Wang (1961) 22, (1969) 8, (1970) 488; Noguchi (1972a) 176; Lai et Wang-Yang (1976) 185; Chen *et al.* (1978) 93. f. 249.
- Himantocladium speciosum* Noguchi (1935) 473.=*Neckera crenata*.
- Holomitrium densifolium* (Wils.) Wijk et Marg.
- Holomitrium griffithianum* Mitt. Broth. (1924-25) 201; Wang (1960) 9; Horikawa et Ando (1964) 6; Noguchi (1964) 92. f. 35, (1972a) 172, (1976) 80. f. 21.=*H. densifolium*.
- Holomitrium griffithianum* var. *griffithianum* Wang (1970) 427.=*H. densifolium*.
- Holomitrium griffithianum* var. *pseudautoicum* Cardot (1905) 93; Sawada (1914) 2; Sasaoka (1928b) 185; Ihsiba (1929) 42, (1935) 200; Wang (1970) 427.
- Homalia glossophylla* (Mitt.) Jaeg. Salmon (1900) 467; Cardot (1905) 124; Sawada (1914) 6.=*Homaliodendron microdendron*.

- Homalia lingulaefolia* (Mitt.) Fleisch. Cardot (1905) 123; Sawada (1914) 6. = *Homaliodendron lingulaefolium*.
- Homalia subarcuata* Broth. Noguchi (1935a) 66; Wang (1961) 25; Chen *et al.* (1978) 96. = *Taxiphyllum subarcuatum*.
- Homalia targioniana* Gough Herz. et Noguchi (1955) 65. = *Homaliadelphus targionianus*.
- Homaliadelphus sharpii* (Will.) Sharp Schofield et Crum (1972) 181. f. 2.
- Homaliadelphus sharpii* (Will.) Sharp var. *rotundatus* (Noguchi) Iwatsuki Iwatsuki (1958) 75; Wang (1961) 24, (1970) 490; Lai et Wang-Yang (1976) 185.
- Homaliadelphus targionianus* (Mitt.) Dix. et P. de la Varde Wang (1961) 24; Inoue (1969) 92. f. 1-4; Wang (1970) 490; Iwatsuki et Mizutani (1972) 171. Pl. 24; Lai et Wang-Yang (1976) 185.
- Homaliadelphus targionianus* var. *rotundata* Noguchi (1950a) 27. f. 25; Chen *et al.* (1978) 98. = *H. sharpii* var. *rotundatus*.
- Homaliodendron exiguum* (Bosch et Lac.) Fleisch. Noguchi (1937b) 786; Herz. et Noguchi (1955) 64; Noguchi (1950a) 22; Wang (1961) 22; Horikawa et Ando (1964) 18; Shin (1965) 268; Wang (1969) 8, (1970) 488; Whittier (1976) 261. f. 71; Iwatsuki et Mizutani (1972) 171; Shin (1973) 56; Wang (1975) 60; Lai et Wang-Yang (1976) 185; Lin (1981) 361; Takaki (1981) 81; Ninh (1984) 12. f. 5; Noguchi (1985a) 107.
- Homaliodendron flabellatum* (Smith) Fleisch. Noguchi (1950a) 25; Herz. et Noguchi (1955) 64; Wang (1961) 23; Horikawa et Ando (1964) 19; Shin (1965) 268; Wang (1970) 488, (1975) 60; Lai et Wang-Yang (1976) 185; Ninh (1984) 34. f. 17-19.
- Homaliodendron glossophyllum* (Mitt.) Fleisch. (1905-06) 78. = *H. microdendron*.
- Homaliodendron javanicum* (C. Muell.) Fleisch. Noguchi (1950a) 25; Wang (1961) 23, (1970) 489; Noguchi et Iwatsuki (1972) 468; Noguchi (1973b) 245; Lai et Wang-Yang (1976) 185; Chen *et al.* (1978) 5.
- Homaliodendron ligulaefolium* (Mitt.) Fleisch. Broth. (1924-25) 192; Sasaoka (1928d) 361; Ihsiba (1935) 200; Wang (1961) 23; Noguchi (1966) 575; Wang (1970) 489; Lai et Wang-Yang (1976) 185; Ninh (1984) 21. f. 10.
- Homaliodendron microdendron* (Mont.) Fleisch. Broth. (1924-25) 192; Sasaoka (1928d) 361; Ihsiba (1929) 160, (1935) 200; Noguchi (1937b) 786; Bartr. (1939) 245. Pl. 18. f. 305; Noguchi (1950a) 23; Herz. et Noguchi (1955) 64; Wang (1961) 23, (1964) 3, (1967b) 97; Horikawa et Ando (1964) 21; Yang et Lee (1964) 183; Noguchi (1966) 575; Wang (1969) 9, (1970) 489; Noguchi (1972a) 176; Shin (1973) 56; Wang et Lin (1974) 9. f. 23; Lai et Wang-Yang (1976) 185; Lin (1981) 360; Ninh (1984) 14. f. 6.
- Homaliodendron obtusatum* (Mitt.) Gang.
- Homaliodendron opacum* Noguchi (1950a) 23. f. 51; Wang (1961) 24, (1970) 489; Lai et Wang-Yang (1976) 185; Chen *et al.* (1978) 95.
- Homaliodendron pseudonitidulum* (Okam.) Noguchi (1934b) 291; Ihsiba (1935) 200. = *H. exiguum*.
- Homaliodendron pygmaeum* Herz. et Nouchi (1955) 65. f. 21; Wang (1961) 24, (1970) 489; Lai et Wang-Yang (1976) 185; Chen *et al.* (1978) 95.
- Homaliodendron scalpellifolium* (Mitt.) Fleisch. Horikawa (1935a) 219; Ihsiba (1935) 200; Horikawa (1939b) 951. Pl. 458. f. 6-12; Nakanishi (1963) 326; Noguchi (1966) 576; Wang (1968) 7; Inoue (1969) 98. f. 1-4; Wang (1970) 489; Lai et Wang-Yang (1976) 185; Lin (1981) 360; Iwatsuki et Mizutani (1983) 195; Chiang et Lin (1984) 34; Lin et Tsai (1984) 92; Ninh (1984) 23. f. 11; Noguchi (1964c) 185.
- Homaliodendron undulatum* Noguchi (1937a) 407. f. 1, (1950a) 23; Wang (1970) 489; Lai et Wang-Yang (1976) 185; Chen *et al.* (1978) 95; Wang (1961) 24.

- Homalothecium laevisetum* Lac. Takai (1955) 7. f. 1; Amakawa et Osada (1956) 50; Wang (1963) 247, (1970) 505; Iwatsuki et Mizutani (1972) 213. f. 108; Lai et Wang-Yang (1976) 185; Chen *et al.* (1978) 204; Lin et Tsai (1984) 93.
- Homalothecium perimbricatum* Broth. Ihsiba (1935) 200; Nakanishi (1963) 319; Wang (1963) 245.
- Homalothecium perimbricatum* var. *brevifolium* Tak. Takaki (1955) 13. f. 3; Wang (1970) 505; Lai et Wang-Yang (1976) 185; Chen *et al.* (1978) 205.
- Homalothecium perimbricatum* var. *perimbricatum* Takaki (1955) 11. f. 3; Wang (1970) 505; Lai et Wang-Yang (1976) 185; Lin (1981) 360.
- Homalothecium tokiadense* (Mitt.) Besch. Broth. (1909) 1135; Sasaoka (1928e) 415; Ihsiba (1929) 215, (1935) 200; 村越 (1934) 80; Sasaoka (1920a) 19; Broth. (1924-25) 355. = *H. laevisetum*.
- Homomallium connexum* (Card.) Broth. Higuchi et Lin (1984) 61. f. 1.
- Hondaella brachytheciella* (Broth. et Par.) Ando Chuang et Iwatsuki (1970) 68; Ando et Koponen (1971) 49; Iwatsuki et Mizutani (1972) 250. f. 133; Wang (1975) 60; Lai et Wang-Yang (1976) 185.
- Hookeria acutifolia* Hook. et Grev. Horikawa (1936a) 384. Text-f. 35; Noguchi (1937b) 788; Wang (1961) 28; Shin (1962) 102; Noguchi (1962a) 131. f. 1; Yang et Lee (1964a) 83; Shin (1965) 269; Wang (1969) 9, (1970) 493; Lai et Wang-Yang (1976) 185; Lin (1981) 362; Chiang et Lin (1984) 34; Lin et Tsai (1984) 92.
- Hookeria blumeana* C. Muell. Cardot (1905) 125; Sawada (1914) 6. = *Cyclodictyon blume-anum*.
- Hookeria nipponensis* (Besch.) Broth. Horikawa (1934b) 716, (1939b) 955. Pl. 460; Herz. et Noguchi (1955) 65; Wang (1961) 28; Noguchi (1962a) 131. f. 1; Shin (1962) 102; Yang et Lee (1964) 184, (1964a) 83. = *H. acutifolia*.
- Hookeria pappeana* Hampe Cardot (1905) 125; Sawada (1914) 6. = *Hookeriopsis pappeana*.
- Hookeriopsis pappeana* (Hampe) Jaeg. Sasaoka (1928d) 363; Ihsiba (1932) 81, (1935) 200; Wang (1961) 29; Yang et Lee (1964a) 84; Wang (1970) 494; Lai et Wang-Yang (1976) 185.
- Hookeriopsis sumatrana* (Bosch et Lac.) Broth. Yang et Lee (1964a) 84. Pl. III; Wang (1967a) 19, (1970) 494. = *H. utacamundiana*.
- Hookeriopsis utacamundiana* (Mont.) Broth. Lai et Wang-Yang (1976) 185; Lin (1984b) 346.
- Horikawaea nitida* Noguchi (1937c) 47. Pl. 6; Wang (1961) 19, (1970) 485; Anonymous (1972) 78. f. 155; Lai et Wang-Yang (1976) 185; Chen *et al.* (1978) 86. f. 245; Lin (1983) 23. Pl. 11. f. 8. map 6, (1984c) 299; Noguchi (1961) 29. map I.
- Hydrogonium anceps* (Card.) Herz. et Noguchi (1955) 60; Wang (1960) 21; Chuang (1973) 468; Lai et Wang-Yang (1976) 185.
- Hydrogonium arcuatum* (Griff.) Wijk et Marg. Chuang (1973) 468; Lai et Wang-Yang (1976) 185. = *Barbula arcuta*.
- Hydrogonium consanguineum* (Thw. et Mitt.) Hilp. Chuang (1973) 468; Lai et Wang-Yang (1976) 185. = *Barbula javanica*.
- Hydrogonium pseudo-ehrenbergii* (Fleisch.) Chen Herz. et Noguchi (1955) 60; Wang (1960) 21; Chuang (1973) 468; Lai et Wang-Yang (1976) 185. = *Barbula subcomosa*.
- Hydrogonium subcomosum* (Broth.) Chen (1941a) 236; Herz. et Noguchi (1955) 60; Wang (1960) 21; Chen *et al.* (1963) 208; Chuang (1973) 468; Lai et Wang-Yang (1976) 185. = *Barbula subcomosa*.
- Hydrogonium subpellucidum* (Mitt.) Hilp. var. *hyaloloma* Herz. in Herz. et Noguchi (1955) 60. f. 20; Wang (1960) 21; Chuan (1973) 469; Lai et Wang-Yang (1976) 185.
- Hygrohypnum* sp. Nakanishi (1963) 326; Wang (1967a) 22; Lai et Wang-Yang (1976) 186.

- Hylocomiastrum himalayanum* (Mitt.) Broth.
- Hylocomium brevirostre* (Brid.) B. S. G. var. *cavifolium* (Lac.) Noguchi Lin et Chiang (1984) 21. f. 1.=*Loeskeobryum cavifolium*.
- Hylocomium himalayanum* (Mitt.) Jaeg. Wang (1970) 530; Iwatsuki et Mizutani (1972) 265. f. 142; Lai et Wang-Yang (1976) 186; Koponen (1979) 105. f. 10; Lin (1981) 360; Takaki (1981) 80.=*Hylocomiastrum himalayanum*.
- Hylocomium himalayanum* auct. non (Mitt.) Jaeg. Wang (1967) 10.=*Actinothuidium hookeri*.
- Hylocomium proliferum* (Linn.) Lindb. Sasaoka (1928e) 422; Horikawa (1935a) 221, (1935g) 1000, (1939b) 973. Pl. 469; Wang (1963) 245, (1964) 4.=*H. splendens*.
- Hylocomium splendens* (Hedw.) B. S. G. Nakanishi (1963) 322; Wang (1967b) 94, (1970) 530; Horikawa (1971) 1; Schofield (1974) 20. map 10; Lai et Wang-Yang (1976) 186; Lin (1981) 361; Chiang et Lin (1984) 34; Lin et Tsai (1984) 95; Schofield et Crum (1972) 188. f. 22.
- Hymenostomum edentulum* (Mitt.) Besch. Ihsiba (1932) 81; Herz. et Noguchi (1955) 60; Wang (1960) 18, (1970) 435; Chuang (1973) 469; Lai et Wang-Yang (1976) 186.=*Weissia edentula*.
- Hymenostomum latifolium* Noguchi Herz. et Noguchi (1955) 60; Wang (1960) 18, (1970) 435; Chuang (1973) 469; Lai et Wang-Yang (1976) 186.=*Weissia newcomersi*.
- Hymenostomum malayense* Fleisch. Cardot (1905) 89; Sawada (1914) 2; Broth. (1924-25) 1254; Sasaoka (1928b) 188; Ihsiba (1929) 60; Noguchi (1953) 76; Herz. et Noguchi (1955) 60; Wang (1960) 18, (1970) 435; Chuang (1973) 469.=*Barbula indica*.
- Hymenostylium curvirostre* (Ebrh.) Lindb. Sasaoka (1928b) 188.=*H. recurvirostre*.
- Hymenostylium formosicum* Broth. et Yas. in Broth. (1926) 1; Sasaoka (1928b) 188; Ihsiba (1929) 62, (1935) 200; Herz. et Noguchi (1955) 60; Wang (1960) 19.=*Molendoa sendtheriana*.
- Hymenostylium pellucidum* Broth. et Yas. Sasaoka (1928b) 188; Ihsiba (1929) 62, (1935) 200; Wang (1960) 19, (1970) 437; 村越 (1934) 137.=*H. recurvirostre*.
- Hymenostylium recurvirostre* (Hedw.) Dix. Iwatsuki (1957) 2; Chuang (1973) 469; Lai et Wang-Yang (1976) 186.
- Hyophila angustifolia* Cardot (1905) 101. f. 6; Sasaoka (1928b) 188; Sasaoka (1928b) 188; Sawada (1914) 4.=*Trichostomum platyphyllum*.
- Hyophila involuta* (Hook.) Jaeg. Chen (1941a) 185. Abb. 27; Herz. et Noguchi (1955) 60; Wang (1960) 20, (1970) 439; Anonymous (1972) 49. f. 97; Saito (1972) 18; Chuang (1973) 470; Shin (1973) 53; Wang et Lin (1974) 6. f. 12; Lai et Wang-Yang (1976) 186; Smith (1976) 70; Iwatsuki et Mizutani (1983) 195; Lin (1984a) 15, (1984d) 60. f. 6; Sollman (1984) 55.
- Hyophila micholitzii* Broth. Cardot (1905) 101; Sawada (1914) 4; Sasaoka (1928b) 189; Ihsiba (1935) 200, (1932) 82; Sakurai (1941a) 205; Noguchi (1944) 256. f. 28; Sakurai (1954) 40; Shin (1952) 151; Wang (1960) 20.=*H. involuta*.
- Hyophila propagulifera* Broth. Iwatsuki (1969) 287; Chuang (1973) 470; Wang et Lin (1974) 5. f. 7; Iwatsuki et Mizutani (1972) 87. Pl. 10; Saito (1975) 471. f. 38; Lai et Wang-Yang (1976) 186.
- Hyophila rosea* non Will. Wang (1967) 4, (1967b) 94, (1970) 439.=*H. propagulifera* and *Trichostomum platyphyllum*.
- Hyophila stenophylla* (Card.) Card. Broth. (1909) 1192, (1924-25) 270; Sasaoka (1928b) 189; Ihsiba (1929) 66, (1935) 200; Chen (1941a) 190; Sakurai (1954) 40; Wang (1960) 20, (1964) 4; Chen *et al.* (1963) 197; Iwatsuki (1969) 287; Wang (1967b) 98, (1970) 439; Chuang (1973) 470; 村越 (1934) 137.=*Trichostomum platyphyllum*.

- Hyophila suzukii* Dix. et Sasaoka Ihsiba (1935) 201. nom. nud.
- Hyophila tortula* (Schwaegr.) Hampe Iwatsuki (1958a) 341; Yang (1965) 36.=*H. involuta*.
- Hypnodendron formosicum* Card. (1905) 147. f. 39; Sawada (1914) 8; Broth. (1909) 1169, (1924-25) 438; Sasaoka (1928c) 248; Ihsiba (1929) 113, (1935) 201, (1932) 32; Horikawa (1939a) 26, (1939b) 925. Pl. 445. f. 7-12; Wang (1960) 33; Shin (1962) 93. Pl. I; Chen *et al.* (1963) 286.=*H. vitiense* ssp. *vitiense*.
- Hypnodendron reinwardtii* (Hornsch.) Lindb. Chen *et al.* (1963) 286; Anonymous (1972) 63. f. 126.
- Hypnodendron vitiense* Mitt. Shin (1962) 93. Pl. I; Noguchi (1963c) 146; Wang (1967a) 13; Zanten (1968) 144; Wang (1970) 463; Chuang (1973) 492; Lai et Wang-Yang (1976) 186; Lai (1977) 154.
- Hypnodendron vitiense* ssp. *vitiense* Touw (1971) 281. f. 22-24.
- Hypnum crista-castrensis* Linn. ex Hedwig Nakanishi (1963) 324, (1964a) 71; Wang (1967b) 94, (1970) 519.=*Ptilium crista-castrensis*.
- Hypnum cupressiforme* Hedw. Nakanishi (1963) 323; Wang (1963) 233, (1970) 519; Lai et Wang-Yang (1976) 186; Lin et Tsai (1984) 95.
- Hypnum densirameum* Ando Wang (1970) 520; Lai et Wang-Yang (1976) 186.
- Hypnum densirameum* auct. non Ando Wang (1967) 9.=*Brotherella* sp.
- Hypnum glaucocarpon* Reinw. Cardot (1905) 146; Sawada (1914) 8.=*Chaetomitriopsis glaucocarpa*.
- Hypnum kushakuense* Cardot (1905) 147. f. 38; Sawada (1914) 8; Sasaoka (1928e) 419; Ihsiba (1935) 201; Wang (1963) 234, (1970) 520; Lai et Wang-Yang (1976) 186.
- Hypnum macrogynum* Besch. Ando (1971a) 192, (1972a) 86. f. 12; Noguchi et Iwatsuki (1975) 280; Lai et Wang-Yang (1976) 186.
- Hypnum pallescens* (Hedw.) P. Beauv. Wang (1967) 9, (1970) 520; Ando (1972a) 72. f. 2, (1973) 184. f. 11-14; Lai et Wang-Yang (1976) 186.
- Hypnum planifrons* (Broth. et Par.) Cardot (1905) 146.=*Ectropothecium zollingeri*.
- Hypnum planifrons* var. *formosicum* Cardot (1905) 147; Sawada (1914) 8.=*Ectropothecium zollingeri*.
- Hypnum plumaeforme* Wils. Cardot (1905) 146; Broth. (1924-25) 454; Sasaoka (1928e) 419; Ihsiba (1929) 264; Reimers (1931) 68; Shin (1951b) 270; Herz. et Noguchi (1955) 69; Amakawa et Osada (1956) 50; Ando (1958) 170. f. 19-20; Nakanishi (1963) 322; Wang (1963) 234, (1967b) 97; Hong et Kim (1960) 105; Wang (1964) 3; Ando (1966) 762. f. 2, (1972a) 86. f. 12; Iwatsuki et Mizutani (1972) 252. Pl. 34; Lai (1977) 154; Iwatsuki et Mizutani (1983) 195; Noguchi (1964c) 188.
- Hypnum plumaeforme* Wils. var. *alare* Par. Sawada (1914) 8; Ihsiba (1935) 201; Wang (1970) 521; Ando (1971a) 192; Lai et Wang-Yang (1976) 186.
- Hypnum plumaeforme* var. *minus* Broth. ex Ando (1958) 183. f. 25; Herz. et Noguchi (1955) 69; Wang (1970) 521; Lai et Wang-Yang (1976) 186; Deguchi et Kishi (1981) 29. f. 1. 2.
- Hypnum plumaeforme* var. *plumaeforme* Wang (1970) 520; Lai et Wang-Yang (1976) 186.
- Hypnum reptile* Rich. ex Michx. Nakanishi (1963) 324, (1964a) 71; Wang (1967a) 25, (1970) 521; Iwatsuki et Mizutani (1972) 255. f. 135; Lai et Wang-Yang (1976) 186.=*H. pallescens*.
- Hypnum rhychothecium* C. Muell. Sasaoka (1928e) 419; Ihsiba (1929) 265, (1935) 201. nom. nud.=*H. tristo-viride*.
- Hypnum stellulatum* (Mitt.) Par. Sawada (1914) 8.=*Ctenidium stellulatum*.
- Hypnum stellulatum* non (Mitt.) Par. Cardot (1905) 146.=*Ctenidium serratifolium*.

- Hypnum subimponens* Lesq. Horikawa et Ando (1957) 226; Wang (1964) 235; Schofield (1965) 19. map 5; Wang (1970) 521; Iwatsuki et Mizutani (1972) 256. f. 136; Lai et Wang-Yang (1976) 186.
- Hypnum subimponens* ssp. *ulophyllum* (C. Muell.) Ando Ando (1971) 41, (1972a) 83. f. 10; Noguchi et Iwatsuki (1975) 280; Lin (1981) 360; Koponen *et al.* (1983) 229; Lin et Tsai (1984) 95.
- Hypnum tristo-viride* (Broth.) Par. Hong et Kim (1960) 105; Iwatsuki et Mizutani (1972) 254. Pl. 34; Noguchi (1973) 87. f. 232; Lai et Wang-Yang (1976) 186; Ando (1982) 98. f. 3.
- Hypnum tristo-viride* var. *brevisetum* auct. non Ando Wang (1970) 521=*H. tristo-viride*.
- Hypnum tristo-viride* var. *tristo-viride* Ando (1956) 144. f. 1, (1972a) 77. f. 5; Lin (1981) 360.
- Hypopterygium aristatum* Bosch et Lac. Horikawa (1934a) 608; Ihsiba (1935) 201; Wang (1970) 496; Lai et Wang-Yang (1976) 186; Lai (1976a) 156.
- Hypopterygium ceylanicum* Mitt. Sasaoka (1928d) 363; Horikawa (1939b) 959. Pl. 462; Noguchi (1952d) 9. f. IX; Wang (1961) 30; Horikawa et Ando (1964) 28; Yang et Lee (1964) 184; Wang (1970) 495; Noguchi (1972a) 180.=*H. tenellum*.
- Hypopterygium formosanum* Noguchi (1936) 40. f. 3, (1952d) 6. f. VII; Wang (1961) 30, (1970) 495; Wang et Lin (1974) 10. f. 27; Lai (1976a) 157; Lai et Wang-Yang (1976) 186; Chen *et al.* (1978) 131; Lin (1981) 361; Fritsch (1982) 144.
- Hypopterygium japonicum* Mitt. Noguchi (1952d) 7. f. VIII; Wang (1961) 30; Yang et Lee (1964) 184; Inoue (1969) 73. f. 1-5; Iwatsuki et Mizutani (1972) 180. f. 90; Wang (1970) 495; Lai (1976a) 157; Lai et Wang-Yang (1976) 186.
- Hypopterygium tenellum* C. Muell. Cardot (1905) 148; Sawada (1914) 8; Ihsiba (1935) 201; Iwatsuki et Sharp (1967a) 294. f. 3; Lai (1976a) 157; Lai et Wang-Yang (1976) 186; Chen *et al.* (1978) 131; Lin (1981) 361.
- Ihsibaea japonica* Broth. et Okamura Herz. et Noguchi (1955) 67; Wang (1963) 214, (1970) 497.=*Lescurae mutabilis*.
- Isopterygium albescens* (Hook.) Jaeg. Wang (1963) 236; Shin (1965) 271; Wang (1970) 524; Noguchi (1973) 89. f. 239; Lai et Wang-Yang (1976) 186; Noguchi (1976) 240. f. 70c.
- Isopterygium cuspidifolium* Cardot Sakurai (1940) 173; Wang (1970) 524.=*Taxiphyllum cuspidifolium*.
- Isopterygium expalescens* Lev. ex Ihsiba Okamura (1916) 65; Sasaoka (1928e) 420; Ihsiba (1932) 85; Wang (1970) 524; Lai et Wang-Yang (1976) 186.=*I. albescens*.
- Isopterygium giraldii* (C. Muell.) Par. Cardot (1905) 138; Okamura (1916) 65; Sawada (1914) 8.=*Taxiphyllum giraldii*.
- Isopterygium kelungense* Cardot (1905) 139. f. 30; Sasaoka (1928e) 420; Sawada (1914) 8.=*Ectropothecium zollingeri*.
- Isopterygium laxissimum* Cardot (1905) 141. f. 33; Sawada (1914) 8; Broth. (1924-25) 462; Sasaoka (1928e) 420; Ihsiba (1929) 269, (1935) 201; Sakurai (1940) 170; Wang (1963) 237, (1970) 524; Lai et Wang-Yang (1976) 186.=*Ectropothecium leptotapes*.
- Isopterygium leptotapes* Card. Sawada (1914) 8.=*Ectropothecium leptotapes*.
- Isopterygium lutschianum* (Broth. et Par.) Card. Wang (1963) 237.=*Ectropothecium zollingeri*.
- Isopterygium micans* (Sw.) Broth. var. *fulvum* (Hook. et Wils.) Britt. Wang (1963) 237, (1970) 524; Lai et Wang-Yang (1976) 186.=*I. tenerum*.
- Isopterygium minutifolium* Card. et Ther. Wang (1963) 237, (1970) 525; Lai et Wang-Yang (1976) 186; Chen *et al.* (1978) 269.

- Isopterygium minutirameum* (C. Muell.) Jaeg. Wang (1963) 238, (1969) 11, (1970) 525; Lai et Wang-Yung (1976) 186; Smith (1976) 81; Chen *et al.* (1978) 269; Iwatsuki et Suzuki (1982) 354; Li (1985) 8.
- Isopterygium obtusulum* Cardot (1905) 140. f. 31; Sawada (1914) 8; Sasaoka (1928e) 420; Reimers (1931) 69; Sakurai (1940) 169.=*Ectropothecium obtusulum*.
- Isopterygium ovalifolium* Cardot (1905) 140. f. 32; Sawada (1914) 8; Sasaoka (1928e) 420.=*Ectropothecium obtusulum*.
- Isopterygium perchlororosum* Broth. Sasaoka (1927) 241, (1928e) 420.=*I. pohliaecarpum*.
- Isopterygium planifrons* (Broth. et Par.) Sakurai Broth. (1909) 1080; Sakurai (1940) 170. =*Ectropothecium zollingeri*.
- Isopterygium pohliaecarpum* (Sull. et Lesq.) Jaeg. Wang (1967a) 25, (1970) 525; Iwatsuki et Mizutani (1972) 239. Pl. 32; Lai et Wang-Yang (1976) 186.
- Isopterygium sasaokae* Broth. Sasaoka (1918) 135, (1921) 68, (1928e) 420; Ihsiba (1932) 86, (1935) 201. nom. nud.=*Ectropothecium zollingeri*.
- Isopterygium subalbidum* (Sull. et Lesq.) Mitt. Cardot (1905) 141; Sawada (1914) 8; Broth. (1909) 1082, (1924-25) 462; Sasaoka (1928e) 420; Ihsiba (1929) 270, (1935) 201; Wang (1963) 238, (1970) 525; Lai et Wang-Yang (1976) 186.=*I. minutirameum*.
- Isopterygium subarcuatum* (Broth.) Noguchi (1944a) 148. f. 26.=*Taxiphyllum subarcuatum*.
- Isopterygium subdepressum* Broth. Sasaoka (1928a) 132, (1928e) 420.
- Isopterygium taxirameum* (Mitt.) Jaeg. Broth. (1909) 1080; Okamura (1916) 67; Sawada (1914) 8.=*Taxiphyllum taxirameum*.
- Isopterigium tenerum* (Sw.) Mitt.
- Isopterygium textori* (Lac.) Mitt. Sasaoka (1928e) 421; Horikawa (1935b) 593; Bartr. (1939) 364. Pl. 27. f. 471; Wang (1963) 238; Chen *et al.* (1978) 269.=*I. pohliaecarpum*.
- Isotheciopsis comes* (Griff.) Noguchi (1970b) 134. f. 1-15, (1971a) 252.=*Neobarbella comes*.
- Isotheciopsis formosica* Broth. et Yas. in Broth. (1926) 3; Sasaoka (1928d) 362; Ihsiba (1929) 167; Wang (1961) 27; Nakanishi (1963) 326; 村越 (1934) 105.=*Elmeriobryum philippinensis*.
- Isotheciopsis formosica* auct. non Broth. et Yas. Noguchi (1950a) 47.=*Neobarbarbella comes*.
- Isotheciopsis formosica* Broth. et Yas. f. *flagellata* Noguchi (1950a) 47; Wang (1961) 27; Nakanishi (1963) 321.=*Neobarbella comes*.
- Isotheciopsis pilifera* (Broth. et Yas.) Noguchi (1970) 135.=*Neobarbella pilifera*.
- Isothecium coelophyllum* Card. et Ther. Ihsiba (1935) 201.=*Thamnobryum sandei*.
- Isothecium cymbifolium* Lindb. Cardot (1905) 132; Sawada (1914) 7.=*Dolichomitra cymbifolium*.
- Isothecium subdiversiforme* Broth. Cardot (1905) 131; Sawada (1914) 7; Broth. (1909) 869, (1924-25) 211; Sasaoka (1928d) 362; Ihsiba (1929) 167; Wang (1964) 6, (1967b) 100; Iwatsuki et Mizutani (1972) 174. Pl. 24.
- Isothecium subdiversiforme* var. *filiforme* Noguchi Wang (1967) 8, (1970) 492; Lai et Wang-Yang (1976) 186; Lin (1984b) 346; Lin et Tsai (1984) 92.
- Isothecium subdiversiforme* var. *formosanum* Noguchi (1950a) 46; Wang (1961) 27; Nakanishi (1963) 323; Wang (1970) 492; Lai et Wang-Yang (1976) 186; Chen *et al.* (1978) 109; Lin et Tsai (1984) 92.
- Isothecium subdiversiforme* var. *subdiversiforme* Wang (1970) 492; Lai et Wang-Yang (1976) 186; Chen *et al.* (1978) 109.
- Iwatsukiella leucotricha* (Mitt.) Buck et Crum (1978) 352.
- Leptobryum pyriforme* (Hedw.) Wils. Chuang (1973) 485; Lai et Wang-Yang (1976) 186.
- Leptocladiella psilura* (Mitt.) Fleisch.

- Leptodictyum riparium* (Hedw.) Warnst. Broth. (1924-25) 337; Sasaoka (1928e) 414; Ihsiba (1929) 205; Wang (1963) 222, (1970) 504; 村越 (1934) 92.
- Leptodictyum serrulatum* Broth. Sasaoka (1928a) 132, (1928e) 414.
- Leptodon recurvilinearis* (Nog.) Nog. Nakanishi (1963) 321. = *Forstroemia recurvilinearis*.
- Leptodontium flexifolium* (Dicks. ex With.) Hampe Zander (1972) 231. f. 21. 25-35; Saito (1975) 463. f. 36; Janssens et Zander (1980) 492.
- Leptodontium gracillimum* Noguchi (1944a) 142. f. 22, (1955) 147; Nagano (1958) 190; Wang (1970) 438; Chuang (1973) 471; Lai et Wang-Yang (1976) 186. = *L. flexifolium*.
- Leptodontium subdenticulatum* (C. Muell.) Paris Noguchi (1939) 758; Wang (1970) 438. = *L. viticulosoides* var. *subdenticulatum*.
- Leptodontium taiwanense* Noguchi (1944a) 144. f. 23; Wang (1970) 439; Chuang (1973) 471; Lai et Wang-Yang (1976) 186; Iwatsuki et Mizutani (1983) 195.
- Leptodontium viticulosoides* (P. Beauv.) Wijk et Marg. var. *subdenticulatum* (C. Muell.) Wijk et Marg. Chuang (1973) 471; Lai et Wang-Yang (1976) 186.
- Leptodontium viticulosoides* var. *viticulosoides* Zander (1972) 244. f. 87-90.
- Lescurea incurvata* (Hedw.) Lawton Noguchi (1972b) 516. f. 6; Lai et Wang-Yang (1976) 186.
- Lescurea julacea* Besch. et Card. Lai et Wang-Yang (1976) 187. = *L. saxicola*.
- Lescurea morrisonensis* (Tak.) Noguchi et Takaki in Noguchi (1985) 23. f. 1; Chen *et al.* (1978) 157.
- Lescurea mutabilis* (Brid.) Lindb. ex Hagen Noguchi (1972b) 512. f. 4.
- Lescurea saxicola* (B. S. G.) Mol. Noguchi (1972b) 514. f. 5.
- Leskea subacuminata* Noguchi Noguchi (1937a) 409. f. 1. 9-14; Wang (1963) 214, (1970) 497; Lai et Wang-Yang (1976) 187; Chen *et al.* (1978) 152. f. 289.
- Leucobryum bowringii* Mitt. Cardot (1905) 98; Horikawa (1920) 155; Sasaoka (1928b) 186; Ihsiba (1929) 51; Reimers (1931) 42; Ihsiba (1935) 201; Bartr. (1939) 66. Pl. 5. f. 74; Herz. et Noguchi (1955) 59; Wang (1960) 10; Nakanishi (1963) 323; Johnson (1964) 330. f. 9. 10; Shin (1965) 265; Wang (1967b) 94; Iwatsuki et Mizutani (1972) 78. f. 44; Noguchi (1972a) 172; Chuang (1973) 461; Shni (1973) 53; Lai et Wang-Yang (1976) 187; Iwatsuki (1977) 359. f. 3; Lin (1978) 111; Lin (1981) 362; Tixier (1982) 83.
- Leucobryum bowringii* Mitt. f. *bowringii* Cardot (1905) 98; Wang (1968) 3, (1969) 4, (1970) 431.
- Leucobryum bowringii* f. *brevifolium* Cardot (1905) 98; Sawada (1914) 3; Horikawa (1920) 155; Sasaoka (1928b) 186; Ihsiba (1935) 201; Wang (1970) 430. = *Leucobryum bowringii*.
- Leucobryum confine* Cardot (1905) 97. f. 4; Sawada (1914) 3; Sasaoka (1928b) 186; Horkiawa (1920) 155; Ihsiba (1929) 51, (1935) 201; Wang (1960) 10, (1970) 431; 村越 (1934) 138. = *L. bowringii*.
- Leucobryum galeatum* Besch. Cardot (1905) 97; Horikawa (1920) 155; Sawada (1914) 3; Sasaoka (1928a) 132, (1928b) 186; Ihsiba (1929) 51, (1935) 201; Wang (1960) 10, (1970) 431; 村越 (1934) 138. = *L. neilgherrense* var. *galeatum*.
- Leucobryum galeatum* Besch. f. *longifolium* Broth. Sasaoka (1928a) 132, (1928b) 186.
- Leucobryum japonicum* Besch. Ihsiba (1935) 201. = *L. neilgherrense*.
- Leucobryum javense* (Brid.) Mitt. Wang (1967b) 94, (1970) 431; Noguchi (1972a) 172; Chuang (1973) 461; Lai et Wang-Yang (1976) 187; Iwatsuki (1977) 359.
- Leucobryum nakaii* Horikawa Yang et Lee (1964) 182. f. 3; Wang (1970) 431; Lewis et Lai (1977) 117. = *L. neilgherrense*.

- Leucobryum neilgherrense* C. Muell. Cardot (1905) 97; Sawada (1914) 3; Horikawa (1920) 155; Sasaoka (1928b) 186; Ihsiba (1929) 51, (1935) 201; Hong et Kim (1960) 101; Wang (1960) 10, (1967b) 94; Horikawa et Ando (1964) 7; Inoue (1969) 77. f. 1-7; Wang (1970) 431; Chuang (1973) 461; Noguchi (1972a) 172; Wang et Lin (1974) 4. f. 2; Lai et Wang-Yang (1976) 187; Smith (1976) 65; Iwatsuki (1977) 362. f. 3; Lin (1981) 361; 村越 (1934) 139.
- Leucobryum neilgherrense* var. *galeatum* (Besch.) Dix.
- Leucobryum neilgherrense* var. *minus* Cardot (1905) 97; Sawada (1914) 3; Sasaoka (1928b) 186; Horikawa (1920) 155; Ihsiba (1929) 52, (1935) 201; Wang (1970) 432.
- Leucobryum scaberulum* Card. Cardot (1905) 96; Sawada (1914) 3; Horikawa (1920) 155; Sasaoka (1928b) 187; Ihsiba (1935) 201; Wang (1970) 432; Chuang (1973) 462; Lai et Wang-Yang (1976) 187; Iwatsuki (1977) 363. f. 3; Lin (1981) 360.
- Leucobryum scabrum* Lac. Cardot (1905) 96; Sawada (1914) 3; Broth. (1924-25) 224; Sasaoka (1928b) 187; Horikawa (1920) 155; Ihsiba (1929) 52, (1935) 201; Horikawa (1939b) 889. Pl. 427. f. 1-9; Wang (1960) 10; Noguchi (1964a) 106. f. 39; Johnson (1964) 329. f. 9; Wang (1967b) 94, (1970) 432; Inoue (1969) 78. f. 1-6; Iwatsuki et Mizutani (1972) 78. Pl. 9; Chuang (1973) 462; Lai et Wang-Yang (1976) 187; Iwatsuki (1977) 363; Lai (1977) 154; Tan et Noguchi (1984) 47; 村越 (1934) 138.
- Leucodon luteus* Besch. Noguchi (1936) 34, (1947a) 42; Wang (1961) 5, (1970) 562; Lai et Wang-Yang (1976) 187; Chen et al. (1978) 35; Lin et Tsai (1984) 90.
- Leucodon morrisonensis* Noguchi (1936) 34. f. 1, (1947a) 41; Wang (1961) 5, (1970) 473; Lai et Wang-Yang (1976) 187; Chen et al. (1978) 35; Lin (1984) 17.=*L. subulatus*.
- Leucodon secundus* (Harv.) Mitt. Noguchi (1947a) 44; Wang (1961) 5; Nakanishi (1963) 322; Wang (1970) 562; Lai et Wang-Yang (1976) 187; Inoue (1979) 111; Fritsch (1982) 149.
- Leucodon subulatus* Broth. Noguchi (1968c) 460; Lin et Tsai (1984) 90.
- Leucoloma molle* (C. Muell.) Mitt. Sasaoka (1920a) 20, (1928b) 185; Ihsiba (1929) 50, (1935) 201; Broth. (1924-25) 210; Noguchi (1939) 754; Sakurai (1932b) 738; Wang (1960) 9, (1964) 5; Chen et al. (1963) 155. f. 98; Shin (1965) 265; Wang (1967b) 99, (1970) 431; Chuang (1973) 458; Lai et Wang-Yang (1976) 187; Whittier (1976) 93; Lin (1981) 360; 村越 (1934) 140. Pl. 20-270.
- Leucomium aneurodictyon* (C. Muell.) Jaeg. Wang (1969) 9, (1970) 538; Lai et Wang-Yang (1976) 187; Lin (1984b) 346.
- Leucophanes albescens* C. Muell. Shin (1973) 53; Lin (1981) 360.
- Leucophanes candidum* (Schwaegr.) Lindb. Wang (1969) 4, (1970) 537; Chuang (1973) 462; Shin (1973) 53; Lai et Wang-Yang (1976) 187; Lin (1981) 360.
- Leucophanes octoblepharioides* Brid. Herz. et Noguchi (1955) 60; Wang (1960) 11; Chen et al. (1963) 160; Shin (1965) 265; Wang (1969) 4, (1970) 432; Chuang (1973) 462; Lai et Wang-Yang (1976) 187; Whittier (1976) 102; Iwatsuki et Kiguchi (1976) 91. f; Smith (1976) 66; Lin (1981) 362.
- Loeskeobryum cavifolium* (Lac.) Fleisch. ex Broth.
- Lopidium javanicum* Hampe Noguchi (1952d) 1. f. V; Iwatsuki (1956) 60; Wang (1961) 29; Noguchi (1969) 30; Wang (1970) 495.=*L. struthiopteris*.
- Lopidium nazeenses* (Ther.) Broth. Noguchi (1934b) 292; Horikawa (1939b) 957. Pl. 461; Takaki (1981) 81; Herz. et Noguchi (1955) 65; Noguchi (1951c) 30. f. IV; Wang (1961) 290, (1970) 495; Iwatsuki et Mizutani (1972) 179. Pl. 25; Lai et Wang-Yang (1976) 187; Lai (1976a) 135; Noguchi (1976) 186. f. 54; Chen et al. (1978) 131. f. 272.
- Lopidium struthiopteris* (Brid.) Fleisch. Horikawa (1939b) 957. Pl. 461; Noguchi et Iwatsuki (1972) 485; Lai (1976a) 155; Lai et Wang-Yang (1976) 187; Chen et al. (1978) 131.

- Lopidium struthiopteris* (Bosch et Lac.) Horikawa (1934a) 607, (1935) 57.=*L. struthiopteris* (Brid.) Fleisch.
- Lopidium trichocladon* (Bosch et Lac.) Fleisch. Horikawa (1934a) 607; Wang (1970) 495; Noguchi et Iwatsuki (1972) 485; Noguchi (1973b) 248; Lai (1976a) 155; Lai et Wang-Yang (1976) 187.
- Macrocoma hymenostomum* auct. non (Mont.) Grout: Wang (1967a) 15; Iwatsuki et Mizutani (1972) 143. Pl. 19; Lai et Wang-Yang (1976) 187.=*M. tenue* ssp. *sullivantii*.
- Macrocoma sullivantii* (C. Muell.) Grout Lin et Tsai (1984) 90.=*M. tenue* ssp. *sullivantii*.
- Macrocoma tenue* (Hook. et Grev.) Vitt. ssp. *sullivantii* (C. Muell.) Vitt Vitt (1980) 446. f. 2; Une (1984) 124.
- Macromitrium angustifolium* Doz. et Molk. Herz. et Noguchi (1955) 62; Wang (1961) 1, (1970) 538; Shin (1973) 55; Lai et Wang-Yang (1976) 187; Une (1985) 491.
- Macromitrium comatulum* Broth. Wang (1967) 6.=*M. ferriei*.
- Macromitrium consanguineum* Card. Noguchi et Iwatsuki (1975) 266.
- Macromitrium cylindrothecium* Noguchi (1938b) 137. Pl. 13. f. 10-20; Wang (1970) 470; Lai et Wang-Yang (1976) 187; Chen *et al.* (1978) 16.
- Macromitrium ferriei* Card. et Ther. Wang (1970) 470; Iwatsuki et Mizutani (1972) 142. f. 69; Wang (1975) 60; Lai et Wang-Yang (1976) 187; Une (1985a) 516.
- Macromitrium ferriei* auct. non Card. et Ther.: Wang (1967) 6.=*M. japonicum*.
- Macromitrium formosae* Cardot (1905) 104. f. 8; Sawada (1914) 4; Broth. (1924-25) 39; Sasaoka (1928c) 249; Ihsiba (1929) 127; Sakurai (1932b) 739; Ihsiba (1935) 201; Wang (1961) 1, (1970) 470; Lai et Wang-Yang (1976) 187; Chen *et al.* (1978) 16.
- Macromitrium foxworthyi* Broth. Shin (1971) 51, (1973) 55; Lai et Wang-Yang (1976) 187.
- Macromitrium gymnostomum* Sull. et Lesq. Cardot (1905) 105; Sawada (1914) 4; Sasaoka (1928c) 249; Ihsiba (1929) 128, (1935) 201; Shin (1951b) 270; Herz. et Noguchi (1955) 62; Hong et Kim (1960) 102; Wang (1961) 1, (1970) 470; Iwatsuki et Mizutani (1972) 143. Pl. 19; Lai et Wang-Yang (1976) 197; Smith (1976) 73; Une (1985) 518; Imura et Une (1986) 57.
- Macromitrium holomitrioides* Noguchi (1938b) 135. Pl. 13. f. 1-9; Iwatsuki (1956) 60; Noguchi (1967c) 226. f. 12; Wang (1968) 6, (1970) 470; Shin (1971) 51, (1973) 55; Lai et Wang-Yang (1976) 187; Une (1985) 496.
- Macromitrium hymenostomum* auct. non. Mont.: Noguchi (1967c) 228; Iwatsuki et Sharp (1970) 165; Wang (1970) 470; Noguchi (1971a) 247.=*Macrocoma tenue* ssp. *sullivantii*.
- Macromitrium incurvum* (Lindb.) Par. Cardot (1905) 105; Sawada (1914) 4; Okamura (1916) 18; Sasaoka (1928c) 250; Ihsiba (1929) 128, (1935) 201; Horikawa (1939b) 929. Pl. 447. f. 1-7; Herz. et Noguchi (1955) 63; Wang (1961) 2.=*M. japonicum*.
- Macromitrium japonicum* Doz. et Molk. Salmon (1900) 457; Cardot (1950) 105; Sawada (1914) 4; Sasaoka (1928c) 250; Ihsiba (1929) 128; Wang (1961) 2; Noguchi (1967b) 133. f. 102, (1967c) 209. f. 1. 2; Inoue (1969) 91. f. 1-5; Iwatsuki (1969) 288; Wang (1969) 6, (1970) 471; Shin (1971) 51; Iwatsuki et Mizutani (1972) 142. Pl. 19; Shin (1973) 55; Lai et Wang-Yang (1976) 187; Noguchi (1976) 146. f. 39; Smith (1976) 73; Une (1985) 518.
- Macromitrium makinoi* (Broth.) Par. Cardot (1905) 105; Sawada (1914) 4; Sasaoka (1928c) 250; Ihsiba (1929) 128, (1935) 201; Shin (1951) 123, (1951b) 270; Wang (1961) 2; 村越 (1934) 131.=*M. japonicum*.
- Macromitrium okamurae* Broth. Ihsiba (1935) 201.=*Macrocoma tenue* ssp. *sullivantii*.
- Macromitrium reinwardtii* Schwaegr. Noguchi (1967c) 224. f. 10; Wang (1968) 6, (1970) 471; Iwatsuki et Sharp (1970) 167; Lai et Wang-Yang (1976) 187; Whittier (1976) 210.

- Macromitrium rhacomitrioides* Noguchi (1938b) 138. Text-fig. 2; Wang (1968) 6, (1970) 471; Lai et Wang-Yang (1976) 187; Chen *et al.* (1978) 16.
- Macromitrium taiheizanense* Noguchi (1936b) 11. Text-fig. 1; Wang (1968) 7, (1970) 471; Lai et Wang-Yang (1976) 187; Chen *et al.* (1978) 15.
- Macromitrium taiwanense* Noguchi (1938b) 141. Text-fig. 4; Wang (1968) 7, (1970) 471; Lai et Wang-Yang (1976) 187; Chen *et al.* (1978) 16.
- Macromitrium uraiense* Noguchi (1938b) 140. Text-fig. 3; Wang (1970) 471; Lai et Wang-Yang (1976) 187; Chen *et al.* (1978) 16.
- Macrothamnium macrocarpum* (Reinw. et Horns.) Fleisch. Sasaoka (1927) 241, (1928e) 422; Ihsiba (1932) 88, (1935) 201; Sakurai (1932a) 509; Noguchi (1936a) 147, (1958) 4; Horikawa et Ando (1964) 41; Wang (1963) 245; Noguchi (1966) 590; Wang (1970) 530; Noguchi (1971a) 257, (1972a) 183, (1972d) 3, (1973b) 250; Lai et Wang-Yang (1976) 187; Lin (1984b) 346.
- Macrothamnium psilurum* (Mitt.) Nog. Noguchi (1978) 12.=*Leptocladiella psilura*.
- Macrothamnium submacrocarpum* (Ren. et Card.) Fleisch. Noguchi (1973b) 250, (1972d) 5.
- Mastopoma perundulatum* (Dix.) Horikawa et Ando (1964) 34. f. 7; Wang (1967a) 24, (1970) 515; Lai et Wang-Yang (1976) 187; Lin (1981) 361; Lin et Tsai (1984) 94.
- Meiothecium microcarpum* (Harv.) Mitt. Ihsiba (1932) 88; Sasaoka (1932b) 748; Wang (1970) 515; Lai et Wang-Yang (1976) 187.
- Merceya gedean* (Lac.) Nog. Persson (1956) 11; Noguchi et Furuta (1956) 32; Noguchi (1966) 553; Noguchi, Takaki et Inoue (1966) 365; Wang (1970) 433; Noguchi (1956c) 247. Pl. IV.=*Scopelophila cataractae*.
- Merceya ligulata* (Spruce) Schimp. Persson (1956) 10; Noguchi (1966) 553; Wang (1970) 434; Noguchi (1956c) 241. Pl. I-III.=*Scopelophila ligulata*.
- Merceyopsis formosica* Broth. Sasaoka (1928a) 132, (1928b) 189; Sakurai (1934) 368, 418; Ihsiba (1935) 201.=*Scopelophila cataractae*.
- Mesonodon flavescens* (Hook.) Buck.
- Meteoriella cuspidata* Okamura (1916) 34. f. 14; Broth. (1924-25) 172; Sasaoka (1928d) 360; Ihsiba (1929) 152; Sakurai (1936a) 619.=*Calypsothecium hookeri*.
- Meteoriella cuspidata* Okamura Ihsiba (1915) 56. nom. nud.=*Calypsothecium hookeri*.
- Meteoriella kutoi* Okam. Sasaoka (1920a) 20, (1921a) 273, (1928d) 360; Sakurai (1933) 336.=*M. soluta*.
- Meteoriella soluta* (Mitt.) Okam. Noguchi (1947a) 71; Wang (1961) 10; Nakanishi (1963) 322; Wang (1964) 6, (1967b) 100; Noguchi (1968a) 155. f. 116, (1971a) 248; Iwatsuki et Mizutani (1972) 157. Pl. 22; Noguchi (1976) 161. f. 456; Lai (1977) 154; Lin (1981) 361; Lin et Tsai (1984) 91.
- Meteoriella soluta* f. *flagellata* Noguchi (1947a) 72; Wang (1961) 10, (1970) 478; Chen *et al.* (1978) 67. f. 233; Lai et Wang-Yang (1976) 187.=*M. soluta*.
- Meteoriella soluta* f. *soluta* Wang (1970) 477; Lai et Wang-Yang (1976) 187.=*M. soluta*.
- Meteoriopsis ancistrodes* (Ren. et Card.) Broth. Sasaoka (1915) 56; Broth. (1924-25) 173; Sasaoka (1928d) 360; Ihsiba (1929) 153, (1935) 201; Sakurai (1936a) 619; Herz. et Noguchi (1955) 64; Wang (1961) 17; Horikawa et Ando (1964) 16; Wang (1970) 484; Lai et Wang-Yang (1976) 187; Chen *et al.* (1978) 82.=*Pseudobarbella ancistrodes*.
- Meteoriopsis ancistrodes* auct. non (Ren. et Card.) Broth.: Okamura (1916) 31. f. 13; Horikawa (1935f) 765; Noguchi (1948b) 92.=*M. reclinata*.
- Meteoriopsis formosana* Noguchi (1948b) 92; Wang (1961) 18, (1964) 5, (1967b) 99, (1970) 484; Noguchi et Iwatsuki (1975) 270; Lai et Wang-Yang (1976) 188; Chen *et al.* (1978) 82.=*M. reclinata*.

- Meteoriopsis reclinata* (C. Muell.) Fleisch. Broth. (1924-25) 173; Sasaoka (1928d) 360; Ihsiba (1929) 153; Bartr. (1939) 230. Pl. 17. f. 286; Sakurai (1936a) 618; Noguchi (1948b) 92; Herz. et Noguchi (1955) 64; Wang (1961) 18; Nakanishi (1964) 320; Yang et Lee (1964) 183; Noguchi (1966) 573; Wang (1970) 484; Lai et Wang-Yang (1976) 188; Manuel (1977) 588; Lin et Tsai (1984) 91; Wu et Lin (1986) 7. Pl. 3; Noguchi (1964c) 185.
- Meteoriopsis reclinata* var. *ancistrodes* (Ren. et Card.) Noguchi (1976a) 338. f. 48. = *Pseudobarbella ancistrodes*.
- Meteoriopsis reclinata* var. *formosana* (Noguchi) Noguchi (1976a) 338. f. 46. = *M. reclinata*.
- Meteoriopsis reclinata* var. *subreclinata* Fleisch. Noguchi (1976a) 335. = *M. reclinata*.
- Meteoriopsis squarrosa* (Hook.) Fleisch. Yang et Lee (1964) 183; Noguchi, Takaki et Inoue (1966) 371; Noguchi (1966) 573, (1971a) 249, (1972a) 176, (1973b) 244; Wang (1967a) 17, (1970) 484.
- Meteoriopsis squarrosa* auct. non (Hook.) Fleisch.: Horikawa (1935) 57. f. 5, (1939b) 947. Pl. 456; Toyama (1938) 102. = *M. reclinata*.
- Meteoriopsis undulata* Horikawa et Noguchi Noguchi (1948b) 92; Wang (1961) 18, (1970) 484; Iwatsuki et Mizutani (1972) 163; Noguchi (1976a) 340; Lai et Wang-Yang (1976) 188; Wu et Lin (1986) 11. Pl. 4.
- Meteorium assimile* Cardot (1905) 122. f. 20; Sawada (1914) 6. = *Pseudobarbella attenuata*.
- Meteorium buehneri* (Brid.) Broth. ssp. *helminthocladulum* (Card.) Nog. var. *helminthocladulum* (Card.) Noguchi (1976a) 254. f. 9; Takaki (1981) 81.
- Meteorium cucullatum* Lin et Wu in Wu et Lin (1986a) 10. Pl. 4.
- Meteorium flagelliferum* Cardot (1905) 120. f. 18; Sawada (1914) 6; Sasaoka (1928d) 360; Ihsiba (1929) 147, (1935) 201; Wang (1961) 12. = *Barbella flagellifera*.
- Meteorium helminthocladulum* (Card.) Broth. Sasaoka (1920a) 20, (1928d) 360; Ihsiba (1929) 148, (1935) 201; Horikawa (1939b) 943. Pl. 454. f. 6-9; Wang (1961) 13; Noguchi (1968a) 156. f. 118; Wang (1970) 479; Iwatsuki et Mizutani (1972) 159. f. 78; Lai et Wang-Yang (1976) 188; Noguchi (1976) 165. f. 45; 村越 (1934) 107. = *M. buehneri* ssp. *helminthocladulum* var. *helminthocladulum*.
- Meteorium helminthocladum* (C. Muell.) Fleisch. Broth. (1909) 818, (1934-25) 165; Sasaoka (1928d) 360; Ihsiba (1929) 148, (1935) 201; Reimers (1931) 57; Bartr. (1939) 220. Pl. 16. f. 272; Noguchi (1948b) 61; Wang (1961) 13; Noguchi (1966) 573; Wang (1970) 479; Iwatsuki et Mizutani (1972) 159. Pl. 22; Lai et Wang-Yang (1976) 188; 村越 (1934) 107. Pl. 22-199. = *M. subpolytrichum*.
- Meteorium horikawae* Noguchi Noguchi (1948b) 60. f. 21; Wang (1961) 13, (1970) 479; Lai et Wang-Yang (1976) 188; Chen *et al.* (1978) 72. = *M. subpolytrichum* ssp. *horikawae*.
- Meteorium horridum* Mitt. Cardot (1905) 118. f. 17; Sawada (1914) 6. = *Pseudospiridentopsis horrida*.
- Meteorium levieri* Ren. et Card. Cardot (1905) 121. = *Pseudobarbella levieri*.
- Meteorium longipilum* Nog. Wu et Lin (1986a) 10. pl. 3.
- Meteorium miquelianum* (C. Muell.) Fleisch. Horikawa (1939b) 943. Pl. 454. f. 1-5; Noguchi (1948b) 63; Herz. et Noguchi (1955) 64; Wang (1961) 13; Nakanishi (1963) 320; Iwatsuki (1969) 288; Wang (1969) 7, (1970) 480; Lai et Wang-Yang (1976) 188; Noguchi (1985a) 100. = *M. polytrichum*.
- Meteorium miquelianum* ssp. *atrovariegatum* (Card. et Ther.) Noguchi (1976a) 260. f. 11; Wu et Lin (1986a) 9. pl. 2.
- Meteorium papillarioides* Noguchi (1937b) 788. f. 2; Wang (1970) 480; Lai et Wang-Yang (1976) 188; Noguchi (1976a) 262.
- Meteorium papillarioides* auct. non Nog.: Wang (1967) 7. = *M. polytrichum*.
- Meteorium parisii* Cardot (1905) 121. f. 19; Sawada (1914) 6. = *Aerobryopsis parisii*.
- Meteorium pensile* Mitt. Cardot (1905) 119; Broth. (1909) 817; Sawada (1914) 6. = *Chrysocladium retrorsum*.

- Meteorium piliferum* Noguchi (1948b) 62. f. 22; Wang (1961) 13, (1970) 480; Lai et Wang-Yang (1976) 188; Chen *et al.* (1978) 72.=*M. subpolytrichum* ssp. *horikawae*.
- Meteorium polytrichum* Doz. et Molk.
- Meteorium reclinatum* (C. Muell.) Mitt. Cardot (1905) 119; Sawada (1914) 6.=*Meteoriopsis reclinata*.
- Meteorium retrorsum* Mitt. Cardot (1905) 119; Broth. (1909) 817; Sawada (1914) 6.=*Chrysocladium retrorsum*.
- Meteorium subdivergens* Broth. Cardot (1905) 119; Sawada (1914) 6.=*Aerobryopsis subdivergens*.
- Meteorium subpolytrichum* (Besch.) Broth. Noguchi (1976a) 256. f. 10.
- Meteorium subpolytrichum* ssp. *horikawae* (Nog.) Noguchi (1976a) 258.
- Meteorium taiwanense* Noguchi (1948b) 59. f. 21; Nakanishi (1963) 321; Wang (1961) 13, (1970) 480; Lai et Wang-Yang (1976) 188; Noguchi (1976a) 56; Chen *et al.* (1978) 72; Lin et Tsai (1984) 92.
- Microcampylopus laevigatum* (Ther.) Giese et J. P. Frahm (1986) 121. f. 34-44.
- Microcampylopus longifolius* Noguchi (1952c) 87. f. 2.=*M. laevigatum*.
- Microcampylopus longifolius* f. *densifolius* Noguchi (1952c) 88; Wang (1970) 423; Lai et Wang-Yang (1976) 188.=*Campylopodium euphorocladum*.
- Microcampylopus longifolius* f. *longifolius* Wang (1970) 423; Lai et Wang-Yang (1976) 188.=*M. longifolius*.
- Microthamnium malacocladum* Cardot (1905) 137. f. 28; Wang (1963) 242; Sawada (1914) 8.=*Ectropothecium zollingeri*.
- Microthamnium scaberrimum* Cardot (1905) 137. f. 29; Sakurai (1939) 67; Sawada (1914) 8.=*Ectropothecium zollingeri*.
- Mielichhoferia mielichhoferi* (Hook.) Wijk et Marg. var. *japonica* (Besch.) Wijk et Marg. Chuang (1973) 486; Lai et Wang-Yang (1976) 188; Lin et Tsai (1984) 88.
- Mitthyridium flavum* (C. M.) Robins.
- Miyabea fruticella* (Mitt.) Broth. Noguchi (1934b) 292; Horikawa (1939b) 292; Horikawa (1939b) 963. Pl. 464; Hong et Kim (1960) 103; Nakanishi (1963) 322; Wang (1963) 214; Watanabe (1964) 272; Wang (1970) 498; Iwatsuki et Mizutani (1972) 192. Pl. 27; Watanabe (1972) 222. Pl. 38; Lai et Wang-Yang (1976) 188; Chen *et al.* (1978) 163. f. 296.
- Mniadelphus mittenii* (Bosch et Lac.) Cardot (1905) 124; Sawada (1914) 6.=*Distichophyllum mittenii*.
- Mnium ambiguum* C. Muell.
- Mnium arcuatum* Broth. Horikawa (1934) 457; Noguchi (1934b) 290; Ihsiba (1935) 201; Sakurai (1935a) 680; Noguchi (1954b) 29; Wang (1960) 31; Nakanishi (1963) 324.=*Trachycystis ussuriensis*.
- Mnium arisanense* Sakurai (1935a) 682. f. 1; Wang (1970) 461; Li et Zang (1979) 44.=*M. laevinerve*.
- Mnium cuspidatum* Hedw. Hong et Kim (1960) 102.=*Plagiomnium cuspidatum*.
- Mnium cuspidatum* ssp. *trichomanes* (Mitt.) Kabiersch (1936) 34; Wang (1970) 461.=*Plagiomnium acutum*.
- Mnium cuspidatum* var. *trichomanes* (Mitt.) Nog. Shin (1962) 96.=*Plagiomnium acutum*.
- Mnium formosicum* Cardot (1905) 112. f. 13; Sawada (1914) 5; Broth. (1909) 1207, (1924-25) 415; Sasaoka (1928e) 248; Ihsiba (1929) 106, (1935) 201; Horikawa (1935e) 503; Sakurai (1935a) 685; Kabiersch (1936) 55. Abb. 17. f. 4-6; Sakurai (1941a) 205; Noguchi (1952e) 32; Li et Zang (1979) 66.=*Plagiomnium succulentum*.
- Mnium heterophyllum* (Hook.) Schwaegr. Wang (1970) 461; Koponen (1971b) 299. f. 4-6; Iwatsuki et Mizutani (1972) 119. f. 58; Chuang (1973) 488; Li et Zang (1979) 40; Lai et Wang-Yang (1976) 188; Lin et Tsai (1984) 89.

- Mnium heterophyllum* var. *sapporensis* (Besch.) Kab. Kabiersch (1936) 22.=*M. heterophyllum*.
- Mnium horikawae* Noguchi (1934b) 290; Sakurai (1935b) 844; Wang (1960) 31, (1970) 461; Li et Zang (1979) 75.=*Rhizomnium horikawae*.
- Mnium immarginatum* Broth. Chen *et al.* (1963) 278; Wang (1970) 461; Koponen (1971b) 298. f. 1-3; Chuang (1973) 488; Li et Zang (1979) 50.=*Trachycystis ussuriensis*.
- Mnium integrum* Bosch et Lac. Li et Zang (1979) 62.=*Plagiomnium integrum*.
- Mnium laevinerve* Card. Sakurai (1935a) 681; Noguchi (1966) 561; Wang (1968) 4, (1970) 461; Koponen (1971b) 299. f. 10-12; Noguchi (1971a) 245; Iwatsuki et Mizutani (1972) 118. Pl. 15; Chuang (1973) 488; Koponen (1973) 193; Lai et Wang-Yang (1976) 88; Li et Zang (1979) 45; Lin (1981) 362; Lin et Tsai (1984) 89; Koponen (1981a) 9. f. 6-10.
- Mnium longirostre* Brid. Wang (1968) 4, (1970) 461.=*Plagiomnium rostratum*.
- Mnium lycopodioides* (Hook.) Schwaegr. Koponen (1971b) 299. f. 7-9; Chuang (1973) 489; Lai et Wang-Yang (1976) 188; Koponen (1981a) 6. f. 1-5; Lin et Tsai (1984) 89.
- Mnium marginatum* (With.) P. Beauv. Wang (1970) 462; Li et Zang (1979) 45.
- Mnium marginatum* auct. non (With.) P. Beauv.: Sakurai (1935a) 681.=*M. sp.*
- Mnium maximoviczii* Lindb. Horikawa (1934) 457, (1935a) 218; Ihsiba (1935) 201; Sakurai (1935a) 684; Kabiersch (1936) 59. Abb. 19; Horikawa (1939b) 913. Pl. 439. f. 1-5; Herz. et Noguchi (1955) 61; Amakawa et Osada (1956) 50; Wang (1960) 31; Shin (1962) 95; Nakanishi (1963) 319; Horikawa et Ando (1964) 10; Yang et Lee (1964) 183; Noguchi (1966) 561; Wang (1970) 462.=*Plagiomnium maximoviczii*.
- Mnium maximoviczii* var. *maximoviczii* Li et Zang (1979) 67.=*Plagiomnium maximoviczii*.
- Mnium orthorrhynchum* Brid. Ihsiba (1929) 108.=*M. ambiguum*.
- Mnium pseudopunctatum* Bruch et Schimper Kabiersch (1936) 65; Wang (1970) 462; Li et Zang (1979) 75.
- Mnium punctatum* Hedw. Horikawa (1939b) 915. Pl. 440. f. 1-7, (1935) 55, (1950) 44. Pl. 2; Hong et Kim (1960) 102; Wang (1964) 6, (1967b) 98; Li et Zang (1979) 74.=*Rhizomnium punctatum*.
- Mnium punctatum* var. *eupunctatum* Kabiersch (1936) 63. Abb. 20. nom. illeg.=*Rhizomnium punctatum*.
- Mnium punctatum* var. *horikawae* (Nog.) Noguchi (1966) 562, (1971a) 246.=*Rhizomnium horikawae*.
- Mnium punctatum* var. *punctatum* Wang (1968) 5, (1970) 462.=*Rhizomnium punctatum*.
- Mnium rostratum* Schrad. Sasaoka (1928c) 248, (1935a) 685; Noguchi (1952e) 31.=*Plagiomnium rostratum*.
- Mnium rostratum* f. *rostratum* Li et Zang (1979) 61.=*Plagiomnium rostratum*.
- Mnium sapporensis* Besch. Horikawa (1934) 457, (1936b) 559; Ihsiba (1935) 201.=*M. heterophyllum*.
- Mnium sp.* Koponen (1973) 197.*
- Mnium spathulatum* Mitt. Horikawa (1934) 458; Ihsiba (1935) 202; Herz. et Noguchi (1955) 61; Wang (1960) 32.=*Plagiomnium maximoviczii*.
- Mnium striatulum* Mitt. Nakanishi (1963) 326; Wang (1967a) 12, (1970) 463; Li et Zang (1979) 75.=*Rhizomnium striatulum*.
- Mnium subglobosum* Broth. Horikawa (1934) 606; Sakurai (1935b) 844; Ihsiba (1935) 202; Horikawa (1939b) 915. Pl. 440. f. 8-13, (1950) 44. Pl. 2.=*M. pseudopunctatum*.
- Mnium succulentum* Mitt. Noguchi (1952e) 31; Wang (1960) 32; Horikawa et Ando (1964) 11; Iwatsuki et Sharp (1968) 52. f. 1.=*Plagiomnium succulentum*.
- Mnium succulentum* var. *integrum* Noguchi (1952e) 32. f. II. 5-6; Herz. et Noguchi (1955) 61; Shin (1962) 94; Wang (1968) 5, (1969) 6, (1970) 463; Shin (1973) 54; Li et Zang

- (1979) 65.=*Plagiomnium integrum*.
Mnium succulentum var. *succulentum* Wang (1970) 463; Li et Zang (1979) 65.=*Plagiomnium succulentum*.
Mnium tanegasimense Sakurai Shin (1962) 94.=*Plagiomnium vesicatum*.
Mnium tezukae Sakurai Li et Zang (1979) 61.=*Plagiomnium tezukae*.
Mnium trichomanes Mitt. Sasaoka (1928c) 248; Ihsiba (1929) 111, (1935) 202; Horikawa (1934b) 713, (1935) 55, (1935a) 219, (1936d) 670; Wang (1960) 32.=*Plagiomnium acutum*.
Mnium vesicatum Besch. Horikawa (1934) 458, (1935) 56; Ihsiba (1935) 202; Shin (1962) 97; Nakanishi (1963) 321; Li et Zang (1979) 63.=*Plagiomnium vesicatum*.
Mnium vesicatum var. *euvesicatum* Kabiersch (1936) 48.=*Plagiomnium vesicatum*.
Mnium vesicatum var. *vesicatum* Wang (1970) 463.=*Plagiomnium vesicatum*.
Molendoa sendtneriana (B. S. G.) Schimp. Chen (1941) 52. Abb. 4; Nagano (1959) 367; Iwatsuki et Sharp (1970) 164; Wang (1970) 438; Saito (1972a) 167. f. 3. 4, (1975) 461. f. 35; Noguchi et Iwatsuki (1975) 256; Zander (1977) 239. 247. f. 17-31.
Myurella julacea (Schwaegr.) B. S. G. Nakanishi (1963) 325; Wang (1967a) 20, (1970) 496; Lai et Wang-Yang (1976) 188; Lin et Tsai (1984) 92.
Myuriopsis sinica (Mitt.) Noguchi Noguchi (1968a) 155. f. 116; Wang (1970) 476; Iwatsuki et Mizutani (1972) 156. Pl. 22; Wang (1975) 60; Lai et Wang-Yang (1976) 188; Chen *et al.* (1978) 62.=*Eumyurium sinicum*.
Myuriopsis sinica var. *flagellifera* (Sak.) Noguchi (1947a) 66; Chen *et al.* (1978) 63.=*Eumyurium sinicum*.
Myurium chrysophyllum (Card.) Seki Maschke (1976) 119. Abb. 15. Karte 16; Seki (1977) 147; Lai et Wang-Yang (1976) 188; Seki (1977) 147. f. 4.=*Palisadula chrysophylla*.
Myurium fragile (Card.) Broth. Broth. (1909) 1224; Sasaoka (1928c) 251; Ihsiba (1929) 142; Noguchi (1947a) 67; Wang (1961) 9, (1970) 477; Iwatsuki et Mizutani (1972) 157; Lai et Wang-Yang (1976) 188; Maschke (1976) 70; Chen *et al.* (1978) 49.=*Oedocladium fragile*.
Myurium sinicum (Mitt.) Broth. Maschke (1976) 153. Abb. 20. Karte 21.=*Eumyurium sinicum*.
Neacroporium flagelliferum (Sak.) Iwatsuki et Noguchi (1971) 226. f. 1; Iwatsuki et Mizutani (1972) 245. Pl. 33; Lai et Wang-Yang (1976) 188; Lin (1981) 362; Takaki (1981) 81.
Neckera crenata Harv. Noguchi (1956a) 124; Wang (1970) 486; Lai et Wang-Yang (1976) 188.
Neckera crenulata Harv. Horikawa et Ando (1964) 21; Noguchi (1965) 154, (1966) 576; Noguchi, Takaki et Inoue (1966) 372; Wang (1967a) 18, (1970) 486; Noguchi (1971a) 251, (1973b) 246; Lai et Wang-Yang (1976) 188.
Neckera flexiramea Card. Noguchi (1935a) 65; Horikawa (1939b) 949. Pl. 457. f. 7-11; Amakawa et Osada (1956) 50; Wang (1961) 20; Takaki (1981) 81.
Neckera flexiramea var. *attenuata* Noguchi (1950a) 13. f. 46. 3-4; Wang (1970) 487, (1961) 20; Lai et Wang-Yang (1976) 188.
Neckera flexiramea Card. var. *flexiramea* Noguchi (1950a) 12. f. 46. 1-2; Horikawa (1939b) 949. Pl. 457; Wang (1970) 487; Iwatsuki et Mizutani (1972) 168. Pl. 23; Lai et Wang-Yang (1976) 188.
Neckera formosana Noguchi (1935a) 65. Pl. I. f. 5-7, (1950a) 9; Herz. et Noguchi (1955) 64; Wang (1961) 20, (1970) 487; Lai et Wang-Yang (1976) 88.
Neckera konoii Broth. ex Card. Nakanishi (1963) 322; Wang (1967a) 18, (1970) 487; Iwatsuki et Mizutani (1972) 168. f. 84; Lai et Wang-Yang (1976) 188.

- Neckera morrisonensis* Noguchi (1936b) 20. Text-fig. 6; Wang (1961) 20, (1970) 487; Noguchi (1950a) 14; Nakanishi (1963) 320; Lai et Wang-Yang (1976) 188; Lin (1985) 17.
- Neckera nitidula* (Mitt.) Fleisch. Cardot (1905) 124; Sawada (1914) 6; Broth. (1924-25) 188.=*Neckeropsis nitidula*.
- Neckera obtusata* (Mont.) Fleisch. Shin (1973) 55.=*Neckeropsis obtusata*.
- Neckera pennata* Hedw. Schofield (1974) 21. map 12; Lai et Wang-Yang (1976) 188.
- Neckera speciosa* (Nog.) Noguchi (1937a) 407, (1950a) 14; Wang (1961) 21.=*N. crenata*.
- Neckera tosaensis* Broth. Noguchi (1950a) 14. f. 47; Mizushima (1960) 90; Wang (1961) 21, (1970) 486.=*Neckeropsis obtusata*.
- Neckera yezoana* Besch. Ihsiba (1929) 157; Horikawa (1939b) 949. Pl. 457; Wang (1961) 21; Iwatsuki et Mizutani (1972) 167. f. 83; Lai et Wang-Yang (1976) 188; 村越 (1934) 106.
- Neckera yezoana* var. *hayachinensis* (Card.) Nog. Noguchi (1984) 67. f. 4.
- Neckeropsis calcicola* Noguchi Mizushima (1960) 90; Lai et Wang-Yang (1976) 188; Lin (1981) 361; Lin et Tsai (1984) 92.
- Neckeropsis gracilentia* (Lac.) Fleisch. Sakurai (1943) 91.
- Neckeropsis lepineana* (Mont.) Fleisch. Sasaoka (1920a) 20, (1928d) 361; Ihsiba (1929) 158, (1935) 202; Noguchi (1937b) 785; Horikawa (1939b) 951. Pl. 458; Herz. et Noguchi (1955) 64; Wang (1961) 21, (1967b) 99, (1969) 8, (1964) 5, (1970) 486; Touw (1962) 389. Pl. 3-5; Shin (1973) 55.
- Neckeropsis lepineana* auct. non (Mont.) Fleisch.: Noguchi (1950a) 17.=*N. calcicola*.
- Neckeropsis nitidula* (Mitt.) Fleisch. Sasaoka (1928d) 360; Ihsiba (1929) 158, (1935) 202; Noguchi (1950a) 15. f. 48; Shin (1951b) 270; Herz. et Noguchi (1955) 64; Wang (1961) 21, (1969) 8, (1970) 487; Touw (1962) 415. Pl. 19; Iwatsuki et Mizutani (1972) 169. Pl. 23; Shin (1973) 55; Lai et Wang-Yang (1976) 188; Smith (1976) 75; Chen et al. (1978) 91; Chiang et Lin (1984) 34; 村越 (1934) 106.
- Neckeropsis obtusata* (Mont.) Fleisch. Touw (1962) 393. Pl. 7; Shin (1971) 52; Iwatsuki et Mizutani (1972) 170. f. 85; Lai et Wang-Yang (1976) 188; Smith (1976) 76; Lin (1981) 360.=*Homaliiodendron obtusatum*.
- Neckeropsis pseudonitidula* Okamura (1916) 39. f. 17; Sasaoka (1928d) 362; Ihsiba (1929) 158; 村越 (1934) 106.=*Homaliiodendron exiguum*.
- Neobarbella attenuata* Noguchi (1948b) 74. f. 29; Wang (1961) 15, (1970) 481; Lai et Wang-Yang (1976) 188; Chen et al. (1978) 77. f. 239.=*Neobarbella pilifera*.
- Neobarbella comes* (Griff.) Nog. Ando (1974) 64; Lai et Wang-Yang (1976) 188.
- Neobarbella pilifera* (Broth. et Yas.) Noguchi (1948b) 73. f. 28; Iwatsuki et Mizutani (1972) 176. f. 88; Lai et Wang-Yang (1976) 188.
- Neodolichomitra gigantea* Noguchi (1937) 92. f. 4; Wang (1963) 244.=*N. yunnanensis*.
- Neodolichomitra robusta* (Broth.) Noguchi (1966a) 232. f. 1-6; Wang (1967a) 26, (1970) 528; Chen et al. (1978) 288. f. 384.=*N. yunnanensis*.
- Neodolichomitra yunnanensis* (Besch.) T. Kop. Koponen (1971) 53; Lai et Wang-Yang (1976) 188; Rohrer (1985) 258. f. 8.
- Octoblepharum albidum* Hedw. Noguchi (1934a) 122. f. 1; Ihsiba (1935) 202; Yang et Lee (1964) 182. f. 2; Horikawa et Ando (1964) 7; Wang (1970) 432; Anonymous (1972) 43. f. 85; Chuang (1973) 462; Wang et Lin (1974) 6; Lai et Wang-Yang (1976) 189; Lin (1981) 361; Wang (1960) 11; Chen et al. (1963) 161. f. 102.
- Oedocladium doii* (Sak.) Iwatsuki (1979) 273. f. I-3. VIII, XI-3.=*O. serricuspe*.
- Oedocladium fragile* Card. (1905) 113; Sawada (1914) 5; Iwatsuki (1979) 271. f. I-4. VII. XI-2.

- Oedocladium serricuspe* (Broth.) Noguchi et Iwatsuki (1983) 199.
- Okamuraea brachydictyon* (Card.) Noguchi Iwatsuki et Sharp (1970) 170; Iwatsuki et Mizutani (1972) 189. f. 95; Iwatsuki, Smith et Suzuki (1976) 432; Lai et Wang-Yang (1976) 189.
- Okamuraea hakoniensis* (Mitt.) Broth. Noguchi (1935a) 68, (1953c) 3. f. 1-4; Amakawa et Osada (1956) 50; Nakanishi (1963) 322; Wang (1963) 242, (1970) 527; Noguchi (1971a) 252; Iwatsuki et Mizutani (1972) 188. Pl. 26; Noguchi (1972b) 524; Lai et Wang-Yang (1976) 189; Chen *et al.* (1978) 282. f. 380.
- Oligotrichum aligerum* Mitt. Horikawa (1950) 34; Takaki (1953a) 6. f. 18; Noguchi (1963) 32; Osada (1966) 33. f. 16; Wang (1967a) 27, (1970) 531; Noguchi (1971a) 241; Iwatsuki et Mizutani (1972) 43. Pl. 2; Noguchi (1976) 59. f. 15.=*O. suzukii*.
- Oligotrichum formosanum* Noguchi (1934b) 294. f. 1; Wang (1960) 2.=*O. suzukii*.
- Oligotrichum suzukii* (Broth.) Chuang (1973) 430; Lai et Wang-Yang (1976) 189; Lin et Tsai (1984) 83.
- Oncophorus crispifolius* (Mitt.) Lindb. Wang (1970) 426.
- Oncophorus wahlenbergii* Brid. Sasaoka (1920a) 20, (1928b) 185; Ihsiba (1935) 202; Nakanishi (1963) 322; Wang (1964) 6, (1967b) 100; Inoue (1979) 110; Fritsch (1982) 159.
- Oncophorus wahlenbergii* var. *japonicus* Noguchi Noguchi (1939) 756. f. 13; Wang (1970) 426; Chuang (1973) 458; Lai et Wang-Yang (1976) 189; Lin (1981) 362; Lin et Tsai (1984) 85.
- Oncophorus wahlenbergii* var. *longisetus* Noguchi Noguchi (1939) 756. f. 13; Wang (1970) 426; Chuang (1973) 458; Lai et Wang-Yang (1976) 189; Lin (1981) 360; Lin et Tsai (1984) 85.
- Oncophorus wahlenbergii* var. *wahlenbergii* Wang (1968) 2, (1970) 426; Chuang (1973) 458; Lai et Wang-Yang (1976) 189; Lin (1981) 361; Lin et Tsai (1984) 85.
- Oreoweisia laxifolia* (Hook.) Kindb. Noguchi (1938a) 398, (1951a) 271. f. 45; Iwatsuki (1969) 287; Wang (1970) 426; Chuang (1973) 459; Lai et Wang-Yang (1976) 189; Iwatsuki et Mizutani (1983) 195; Lin et Tsai (1984) 85.
- Oreoweisia serrulata* auct. non (Funck) De Not.: Wang (1967) 2, (1970) 426.=*O. laxifolia*.
- Orthodicranum flagellare* (Hedw.) Loeske.
- Orthodontium infractum* Doz. et Molk. Iwatsuki et Sharp (1970) 165; Chuang (1973) 486; Lai et Wang-Yang (1976) 189.
- Orthomnion dilatatum* (Mitt.) Chen Koponen (1980a) 43. f. 13-20.
- Orthomnion loheri* Broth. Chuang (1973) 489; Noguchi (1974b) 159; Iwatsuki et Noguchi (1975) 320; Lai et Wang-Yang (1976) 189.
- Orthomnion piliferum* T. Koponen (1980a) 51. f. 63-70; Crosby et Bauer (1983) 683.
- Orthomniopsis dilatata* (Mitt.) Nog. Noguchi (1975b) 159; Koponen (1971b) 302. f. 28-30; Chuang (1973) 489; Lai et Wang-Yang (1976) 189.=*Orthomnion dilatatum*.
- Orthomniopsis japonica* Broth. Wang (1967) 5, (1970) 460.=*Orthomnion dilatatum*.
- Orthomnium curiosissimum* Horikawa (1936a) 382. Text-fig. 34.=*Orthomnion dilatatum*.
- Orthotrichum callistomoides* Broth. Iwatsuki et Sharp (1970) 167. f. 2; Lai et Wang-Yang (1976) 189.
- Oxyrrhynchium hians* (Hedw.) Loesk. Herz. et Noguchi (1955) 67.=*Stokesiella praelonga*.
- Oxyrrhynchium praelongum* (Hedw.) Warnst. Sasaoka (1928e) 415.=*Stokesiella praelonga*.
- Oxyrrhynchium sasaokae* (Broth.) Sakurai (1932b) 745.=*Rnynhostegium inclinatum*.
- Oxystegus cylindricus* (Brid.) Hilp.
- Oxystegus recurvifolius* (Tayl.) Zander (1982) 15. f. 1-10.
- Palamocladium macrostegium* (Sull. et Lesq.) Iwatsuki et Tak. Iwatsuki et Mizutani (1972) 214. f. 108; Wang (1975) 60; Lai et Wang-Yang (1976) 189; Noguchi (1976) 219. f. 63; Smith (1976) 77; Lin (1981) 362, (1984b) 347; Lin et Tsai (1984) 93.
- Palamocladium neilgheriense* (Mont.) C. Muell. f. *luzonensis* (Broth.) Toy. Wang (1970) 506; Lai et Wang-Yang (1976) 189.

- Palamocladium neilgheriense* f. *neilgheriense* Wang (1970) 506; Lai et Wang-Yang (1976) 189.
Palamocladium sciureum (Mitt.) Broth. Chen *et al.* (1978) 207.=*P. macrostegium*.
Palisadula chrysophylla (Card.) Toyama (1937b) 171; Sakurai (1952a) 92; Wang (1963) 227, (1970) 514; Iwatsuki (1979) 276. f. I-1. IX. XI-4; Lin (1984b) 347.
Palisadula japonica (Card.) Toyama Nakanishi (1963) 326; Wang (1963) 227, (1970) 514. =*P. chrysophylla*.
Papillaria acuminata Noguchi (1936) 26. f. 2, (1948b) 57.=*P. flexicaulis*.
Papillaria crocea (Hampe.) Jaeg. Chen *et al.* (1978) 70.
Papillaria cuspidifera (Tayl.) Jaeg. Noguchi (1953b) 59; Herz. et Noguchi (1955) 64; Wang (1961) 12; Nakanishi (1963) 321; Wang (1970) 479; Lai et Wang-Yang (1976) 189.=*P. crocea*.
Papillaria flexicaulis (Wils.) Jaeg. Noguchi (1976a) 240. f. 2; Lin (1981) 361; Lin et Tsai (1984) 92; Wu et Lin (1985) 12. Pl. 2.
Papillaria formosana Noguchi (1934) 119. f. 1; Ihsiba (1935) 202; Noguchi (1948b) 57; Wang (1961) 12.=*Floribundaria sparsa*.
Papillaria helminthoclada C. Muell. Cardot (1905) 115; Sawada (1914) 5.=*Meteorium subpolytrichum*.
Papillaria pendula (Sull.) Ren. et Card. Sawada (1914) 6.=*Barbella pendula*.
Papillaria pendula auct. non (Sull.) Ren. et Card.: Cardot (1905) 115.=*Barbella flagellifera*.
Papillaria semitorta (C. Muell.) Jaeg. Noguchi (1935a) 64, (1948b) 56, (1966) 574; Wang (1961) 12, (1964) 3, (1967b) 97, (1970) 479; Nakanishi (1963) 320; Noguchi (1971a) 250, (1976a) 238. f. 1; Lai et Wang-Yang (1976) 189; Wu et Lin (1985) 11. Pl. 1.
Paraleucobryum enerve (Thed.) Loeske Noguchi (1939) 756; Nakanishi (1963) 325; Noguchi, Takaki et Inoue (1966) 364; Chuang (1973) 459; Noguchi et Iwatsuki (1975) 251; Lai et Wang-Yang (1976) 189; Iwatsuki et Mizutani (1983) 195; Lin et Tsai (1984) 85; Noguchi (1964c) 172.
Paraleucobryum enerve f. *enerve* Wang (1970) 425.=*P. enerve*.
Paraleucobryum enerve f. *falcatum* Noguchi (1939) 756; Wang (1970) 425; Nakanishi (1963) 324, (1964a) 71.=*P. enerve*.
Paraleucobryum formosanum Broth. Sasaoka (1927) 241, (1928b) 185; Ihsiba (1935) 202.
Paraleucobryum longifolium (Hedw.) Loeske Wang (1970) 425; Iwatsuki et Mizutani (1972) 69. Pl. 7; Lai et Wang-Yang (1976) 189.
Paraleucobryum longifolium auct. non (Hedw.) Loeske: Wang (1967) 2.=*Campylopus* sp. 2.
Pelekium bifarium (Doz. et Molk.) Fleisch. Herz. et Noguchi (1955) 67; Yang et Lee (1964) 184; Wang (1969) 10, (1970) 502; Watanabe (1972) 206. Pl. 25: 18-36; Iwatsuki et Noguchi (1975) 332; Lai et Wang-Yang (1976) 189; Chen *et al.* (1978) 173.
Pelekium velatum Mitt. Wang (1963) 219; Yang et Lee (1964) 184; Herz. et Noguchi (1955) 67; Wang (1970) 502; Shin (1973) 55; Watanabe (1972) 205. Pl. 25: 1-7; Iwatsuki et Noguchi (1975) 333; Lai et Wang-Yang (1976) 189; Chen *et al.* (1978) 174. f. 304.
Philonotis falcata Mitt. Ochi (1962b) 155; Iwatsuki et Mizutani (1972) 130. f. 63; Lin (1984b) 345; Iwatsuki et Mizutani (1983) 195.
Philonotis falcata var. *carinata* (Mitt.) Ochi (1962a) 100. Pl. 4; Wang (1967a) 14, (1968) 6, (1970) 465; Chuang (1973) 495; Lai et Wang-Yang (1976) 189.
Philonotis falcata var. *falcata* Wang (1970) 465; Chuang (1973) 494; Lai et Wang-Yang (1976) 189; Lin (1981) 360; Lin et Tsai (1984) 90.
Philonotis fontana (Hedw.) Brid. Wang (1967a) 14; Chuang (1973) 495; Lai et Wang-Yang (1976) 189; Lin et Tsai (1984) 90.

- Philonotis fontana* var. *fontana* Wang (1970) 466.
- Philonotis glomerata* auct. non (Wils.) Mitt.: Herz. et Noguchi (1955) 62; Wang (1960) 33.=*P. hastata*.
- Philonotis griffithiana* (Wils.) Mitt. Sasaoka (1927) 241, (1928c) 248; Ihsiba (1929) 117, (1935) 202; Wang (1960) 33.=*Bartramidula bartramoides*.
- Philonotis hastata* (Dub.) Wijk et Marg. Ochi (1962a) 96; Wang (1967a) 14, (1970) 466; Chuang (1973) 495; Lai et Wang-Yang (1976) 189.
- Philonotis lancifolia* Mitt. Shin (1973) 54.
- Philonotis laxissima* (C. Muell.) Bosch et Lac. Cardot (1905) 108; Sawada (1914) 5; Sasaoka (1918) 135, (1928c) 249; Ihsiba (1929) 118, (1935) 207; Noguchi (1938a) 404; Sakurai (1941) 14; Wang (1960) 34.=*P. hastata*.
- Philonotis lutea* Mitt. Sakurai (1941) 9. f. 14.=*P. fontana*.
- Philonotis mollis* (Doz. et Molk.) Mitt. Herz. et Noguchi (1955) 62; Wang (1960) 34, (1969) 6, (1970) 540; Noguchi (1972a) 173; Chuang (1973) 495; Lai et Wang-Yang (1976) 189.
- Philonotis nitida* Mitt.
- Philonotis palustris* Mitt. Salmon (1900) 460; Cardot (1905) 108; Sawada (1914) 5; Okamura (1916) 21; Sasaoka (1928c) 249; Ihsiba (1929) 118, (1935) 202; Kabiersch (1937) 100; Wang (1960) 34; Yang et Lee (1964) 183.=*P. turneriana*.
- Philonotis plumulosa* Cardot et Ther. Wang (1964) 5, (1967b) 99.=*P. nitida*.
- Philonotis radicalis* (P. Beauv.) Brid. Cardot (1905) 108; Sawada (1914) 5; Sasaoka (1928c) 249; Ihsiba (1929) 118, (1935) 202; Kabiersch (1937) 100; Wang (1960) 34, (1970) 466; Chen *et al.* (1963) 297.=*P. nitida*.
- Philonotis revoluta* Bosch et Lac. Nakanishi (1963) 319; Ochi (1963) 96. Pl. 12; Shin (1965) 267; Noguchi (1966) 566; Wang (1967a) 15, (1970) 467; Noguchi (1972a) 173; Chuang (1973) 495; Lai et Wang-Yang (1976) 189.=*P. nitida*.
- Philonotis setschuanica* (C. Muell.) Par. var. *formosica* Cardot (1905) 108; Sawada (1914) 4; Sasaoka (1928c) 249; Ihsiba (1935) 202; Kabiersch (1937) 110.=*P. thwaitesii*.
- Philonotis socia* Mitt. Cardot (1905) 108; Sawada (1914) 5; Sasaoka (1928c) 249; Ihsiba (1929) 119, (1935) 202; Shin (1951b) 270; Wang (1960) 34; Nakanishi (1963) 319; Wang (1964) 5; Yang et Lee (1964) 183; Noguchi (1966) 566, (1967a) 101. f. 92; Ochi (1962b) 155, (1963) 91. Pl. 9; Wang (1967b) 99, (1970) 467; Iwatsuki et Mizutani (1972) 131. Pl. 18; Chuang (1973) 496; Lai et Wang-Yang (1976) 189; Wang et Lin (1974) 8; 村越 (1934) 118.=*P. thwaitesii*.
- Philonotis socia* f. *minutissima* Kabiersch (1937) 99.
- Philonotis thwaitesii* Mitt. Shin (1973) 54; Lai et Wang-Yang (1976) 189; Lin (1981) 362.
- Philonotis turneriana* (Schwaegr.) Mitt. Sasaoka (1920a) 20, (1928c) 249; Ihsiba (1929) 119; Herz. et Noguchi (1955) 62; Wang (1960) 35; Ochi (1962a) 92. Pl. 2; Yang et Lee (1964) 183; Noguchi (1966) 566; Wang (1970) 467; Iwatsuki et Mizutani (1972) 132. f. 63; Chuang (1973) 495; Shin (1973) 54; Lai et Wang-Yang (1976) 189; Smith (1976) 73; Manuel (1981) 251; Lin (1984) 16. f. 9, (1984d) 61. f. 9; 村越 (1934) 118.
- Philonotis vitrea* Herz. et Nog. (1955) 62. f. 21. 1-5; Wang (1960) 35; Ochi (1963) 104, (1969b) 18. f. 1; Wang (1970) 538; Chen *et al.* (1963) 297; Chuang (1973) 496; Lai et Wang-Yang (1976) 189.=*P. hastata*.
- Physcomitrium angustifolium* Broth. Ihsiba (1935) 202.=*P. japonicum*.
- Physcomitrium eurystomum* Sendtn. Broth. (1909) 1204; Sasaoka (1915) 56, (1928b) 190; Okamura (1916) 18; Ihsiba (1929) 83, (1935) 202; Shin (1953) 147. f. 4-7; Wang (1960) 23; Shin (1967) 119; Ochi (1968b) 8. f. 3. 4. 14; Wang (1970) 445; Iwatsuki et Mizutani (1972) 101. Pl. 12; Chuang (1973) 479; Lai et Wang-Yang (1976) 189; Smith (1976) 71.

- Physcomitrium formosicum* Broth. Sasaoka (1928a) 132, (1928b) 191; Ihsiba (1935) 202. nom. nud.=*P. japonicum*.
- Physcomitrium japonicum* (Hedw.) Mitt. Ochi (1968b) 12. f. 5. 6. 15; Wang (1970) 445; Iwatsuki et Mizutani (1972) 101; Chuang (1973) 479; Lai et Wang-Yang (1976) 189; Lin (1981) 361; Chiang et Lin (1984) 34.
- Physcomitrium longifolium* Sakurai (1932b) 738; Ihsiba (1935) 202.=*P. japonicum*.
- Physcomitrium sphaericum* (Ludw.) Fuernr. Ihsiba (1929) 84, (1935) 207; Wang (1960) 23; Ochi (1968b) 7. f. 1. 2. 13; Wang (1970) 445; Chuang (1973) 479; Wang et Lin (1974) 7; Lai et Wang-Yang (1976) 190; Lin (1981) 360, (1984d) 60. f. 7, (1984a) 16. f. 7; 村越 (1934) 130. Pl. 26-248.
- Physcomitrium subeurystomum* Cardot (1905) 106. f. 10; Sawada (1914) 4; Broth. (1924-25) 323; Okamura (1916) 18; Sasaoka (1928b) 191; Ihsiba (1929) 84, (1935) 207; Sakurai (1932b) 739; Wang (1960) 24; Chen *et al.* (1963) 238; 村越 (1934) 130.=*P. japonicum*.
- Pilotrichopsis dentata* (Mitt.) Besch. Cardot (1905) 123; Sawada (1914) 6; Sasaoka (1915) 56; Okamura (1916) 25; Sasaoka (1928c) 250; Ihsiba (1929) 135, (1935) 207; Horikawa (1934a) 607, (1939b) 933. Pl. 449; Bartr. (1939) 190. Pl. 14. f. 236; Wang (1961) 4, (1964) 5, (1967b) 83; Noguchi (1967b) 135. f. 106; Iwatsuki et Mizutani (1972) 150. Pl. 21; Noguchi (1976) 155. f. 42; Lai (1977) 154; Lin (1981) 360; Chiang et Lin (1984) 35; Lin et Tsai (1984) 90; 村越 (1934) 111. Pl. 22-206.
- Pilotrichopsis dentata* var. *dentata* Noguchi (1947a) 31; Wang (1970) 472; Lai et Wang-Yang (1976) 190.
- Pilotrichopsis dentata* var. *hamulata* Noguchi (1947a) 31; Wang (1961) 4, (1970) 473; Lai et Wang-Yang (1976) 190.
- Pinnatella formosana* Okamura [Sasaoka (1915) 56, num. nud.] (1916) 45. f. 20; Ihsiba (1929) 161, (1935) 202; 村越 (1934) 106; Sasaoka (1928d) 362.=*P. makinoi*.
- Pinnatella makinoi* (Broth.) Broth. Broth. (1924-25) 196; Sasaoka (1928d) 362; Ihsiba (1929) 161, (1935) 202; Noguchi (1950a) 31; Wang (1961) 25, (1970) 490; Iwatsuki et Mizutani (1972) 172. Pl. 24; Lai et Wang-Yang (1976) 190; Lin (1984b) 346; 村越 (1934) 106.
- Pinnatella pusilla* Noguchi (1935a) 66. Pl. I. f. 10-11, (1950a) 31; Wang (1961) 25, (1970) 490; Lai et Wang-Yang (1976) 190; Chen *et al.* (1978) 99; Iwatsuki (1978) 558.
- Pinnatella robusta* Noguchi (1935a) 67. Pl. I. f. 12-14, (1950a) 30; Wang (1961) 25, (1970) 490; Lai et Wang-Yang (1976) 190; Chen *et al.* (1978) 99.
- Pinnatella taiwanensis* Noguchi (1939a) 218. Text-fig. 3, (1950a) 30; Wang (1961) 25, (1970) 490; Lai et Wang-Yang (1976) 190; Chen *et al.* (1978) 99.
- Pirella formosana* Broth. [Sasaoka (1920) 285. nom. nud.] (1921) 22, (1924-25) 152; Sasaoka (1921) 69, (1928c) 252; Ihsiba (1929) 145, (1935) 202; Noguchi (1937c) 41. Text-fig. 2, (1947a) 72; Wang (1961) 10, (1964) 5, (1967b) 99, (1970) 478; Lai et Wang-Yang (1976) 190; Chen *et al.* (1978) 64. f. 231; Lin (1981) 362.
- Plagiomnium acutum* (Lindb.) T. Koponen (1975) 57; Lai et Wang-Yang (1976) 190.
- Plagiomnium cuspidatum* (Hedw.) Kop.
- Plagiomnium integrum* (Bosch et Lac.) T. Kop. Koponen (1971a) 16. f. 30-41, (1972) 145. f. 4, (1972a) 16. f. 30-41, (1971b) 302; Chuang (1973) 490; Iwatsuki et Noguchi (1975) 302; Lai et Wang-Yang (1976) 190; Koponen (1982) 78. f. 2.
- Plagiomnium japonicum* (Lindb.) Kop. Lin (1981) 362.
- Plagiomnium maximoviczii* (Lindb.) Kop. Koponen (1971a) 10 f. 8-19, (1971b) 302, (1972) 145. f. 3; Chuang (1973) 490; Lai et Wang-Yang (1976) 190; Lai (1977) 155; Lin (1981) 361; Koponen (1982) 78. f. 2.

- Plagiomnium rhynchophorum* (Hook.) T. Kop. Koponen (1971a) 13. f. 20-29, (1971b) 302, (1972) 145. f. 4, (1972a) 13. f. 20-29; Chuang (1973) 490; Lai et Wang-Yang (1976) 190; Koponen (1981) 109. f. 14, (1982) 80. f. 4; Lin (1981) 360; Lin et Tsai (1984) 89.
- Plagiomnium rostratum* (Schrad.) Kop.
- Plagiomnium rostratum* (Schrad.) Kop. ssp. *rhynchophorum* (Hook.) Noguchi Iwatsuki et Noguchi (1975) 320; Noguchi (1975) 3. f. 3; Noguchi et Iwatsuki (1975) 265.=*P. rhynchophorum*.
- Plagiomnium succulentum* (Mitt.) T. Kop. Koponen (1971a) 22. f. 56-70, (1971b) 302, (1972) 145. f. 4, (1972a) 22. f. 56-70; Chuang (1973) 490; Iwatsuki et Noguchi (1975) 321; Lai et Wang-Yang (1976) 190; Smith (1976) 72; Lin (1981) 361; Takaki (1981) 81; Koponen (1982) 78. f. 2; Chiang et Lin (1984) 35; Noguchi et Iwatsuki (1975) 265.
- Plagiomnium tezukae* (Sak.) T. Kop. Koponen (1971b) 301. f. 25-27, (1972) 143. f. 1; Chuang (1973) 490; Lai et Wang-Yang (1976) 190; Koponen (1982a) 71; Koponen et Lou (1982) 71; Koponen *et al.* (1983) 225.
- Plagiomnium trichomanes* (Mitt.) Kop. Koponen (1971b) 301. f. 22-24; Chuang (1973) 490.=*P. acutum*.
- Plagiomnium vesicatum* (Besch.) T. Kop. Koponen (1971a) 18. f. 42-55; Iwatsuki et Mizutani (1972) 121. Pl. 16; Lai et Wang-Yang (1976) 190; Lin (1981) 360.
- Plagiothecium cavifolium* (Brid.) Iwatsuki var. *fallax* (Card. et Ther.) Iwatsuki (1970a) 364. f. XV.
- Plagiothecium delicatulum* Broth. Wang (1963) 226.=*Vesicularia flaccida*.
- Plagiothecium euryphyllum* (Card. et Ther.) Iwatsuki (1970a) 348. f. VII; Iwatsuki et Mizutani (1972) 231. Pl. 31; Noguchi (1972) 31. f. 207; Lai et Wang-Yang (1976) 190.
- Plagiothecium formosanum* Broth. et Yas. Ihsiba (1929) 240, (1935) 202.=*P. formosicum*.
- Plagiothecium formosicum* Broth. et Yas. Sasaoka (1928e) 416; Wang (1963) 226, (1970) 513; Sakurai (1949) 118; Iwatsuki (1970a) 356. f. XI; Lai et Wang-Yang (1976) 190; Chen *et al.* (1978) 232; Lin et Tsai (1984) 94.
- Plagiothecium kelungense* (Card.) Fleisch. Broth. (1909) 1087; Ihsiba (1929) 240, (1935) 202; Sakurai (1949) 118; Wang (1963) 226; Noguchi (1972a) 182.=*Ectropothecium zollingeri*.
- Plagiothecium neckeroideum* B. S. G. Sasaoka (1928a) 132, (1928e) 416; Nakanishi (1963) 324; Noguchi (1966) 589; Wang (1967a) 23, (1970) 513; Noguchi (1971a) 255; Iwatsuki (1970a) 352. f. IX; Noguchi et Iwatsuki (1975) 278; Lai et Wang-Yang (1976) 190; Inoue (1979) 112; Fritsch (1982) 174; Lin et Tsai (1984) 94.
- Plagiothecium neckeroideum* var. *niitakayamae* (Toy.) Iwatsuki (1970a) 354. f. X; Iwatsuki et Mizutani (1983) 195.=*P. niitakayamae*.
- Plagiothecium nemorale* (Mitt.) Jaeg. Iwatsuki (1970a) 366. f. XVI; Iwatsuki et Mizutani (1972) 233. Pl. 31; Noguchi et Iwatsuki (1975) 278; Lai et Wang-Yang (1976) 190.
- Plagiothecium niitakayamae* Toyama (1937b) 174. f. 4; Sakurai (1949) 119, (1941a) 209; Wang (1963) 226; Lai et Wang-Yang (1976) 190; Lin et Tsai (1984) 94; Lin (1985) 17.
- Plagiothecium obtusulum* (Card.) Broth. Ihsiba (1929) 241, (1935) 202; Broth. (1909) 1087; Wang (1963) 226.=*Ectropothecium obtusulum*.
- Plagiothecium ovalifolium* (Card.) Broth. Broth. (1909) 1087; Ihsiba (1929) 241, (1935) 202; Sakurai (1949) 119; Wang (1963) 226; 村越 (1934) 90.=*Ectropothecium obtusulum*.
- Plagiothecium pilosum* Broth. et Yas. Sasaoka (1928e) 416; Ihsiba (1929) 241, (1935) 202; Sakurai (1936) 312, (1949) 118; Wang (1963) 227; Chen *et al.* (1978) 232.=*Taxiphyllum pilosum*.
- Plagiothecium shinii* Sakurai (1941a) 209. f. 8, (1949) 118; Wang (1963) 227; Lai et Wang-Yang (1976) 190.

- Plagiothecium silvaticum* B. S. G. Ihsiba (1929) 242; Wang (1967) 8, (1970) 513; Lai et Wang-Yang (1976) 190.
- Plagiothecium splendens* Schimp. ex Cardot Wang (1967) 9, (1970) 513. = *P. euryphyllum*.
- Platyhynchium schottmuelleri* (Broth.) Fleisch. Sasaoka (1928e) 414; Ihsiba (1929) 211, (1935) 202; Noguchi (1939) 756; Wang (1963) 222, (1970) 505; Chen *et al.* (1978) 197. = *Platyhypnidium riparioides*.
- Platyhypnidium riparioides* (Hedw.) Dix.
- Pleuridium julaceum* Besch. Ihsiba (1929) 21, (1935) 202; Chuang (1973) 448; Wang (1960) 4, (1970) 420; Lai et Wang-Yang (1976) 190; 村越 (1934) 144. Pl. 29-278.
- Pleurochaete squarrosa* (Brid.) Lindb. Wang (1968) 3, (1970) 438.
- Pleurochaete squarrosa* (Brid.) Lindb. var. *crispifolia* Noguchi Chuang (1973) 472; Lai et Wang-Yang (1976) 190. = *Pseudosymblespharis angustata*.
- Pleurochaete squarrosa* var. *squarrosa* Chuang (1973) 471; Lai et Wang-Yang (1976) 190.
- Pleuropus fenestratus* Griff. Sasaoka (1928e) 415. = *Palamocladium nilgheriense*.
- Pleuropus luzonensis* Broth. Noguchi (1958) 3. = *Palamocladium nilgheriense* f. *luzonensis*.
- Pleuropus nilgheriensis* (Mont.) Toyama Iwatsuki (1958a) 333; Wang (1963) 247. = *Palamocladium nilgheriense*.
- Pleuropus nilgheriensis* f. *luzonensis* (Broth.) Toyama (1938) 103. f. 2; Takaki (1955) 17. f. 4. = *Palamocladium nilgheriense* f. *luzonensis*.
- Pleuropus nilgheriensis* var. *luzonensis* sensu Wang (1963) 248; Nakanishi (1963) 321. = *Palamocladium nilgheriense* f. *luzonensis*.
- Pleuropus sciureus* (Mitt.) Toy. Herz. et Noguchi (1955) 67; Toyama (1938) 104; Takaki (1955) 14. f. 4; Wang (1963) 248; Noguchi (1970) 125. = *Palamocladium macrostegium*.
- Pleurozium schreberi* (Willd.) Mitt. Noguchi (1936a) 146; Wang (1963) 243, (1964) 4; Horikawa (1971) 1; Chiang et Lin (1984) 35; Lin et Tsai (1984) 94
- Pogonatum akitense* Besch. Iwatsuki et Mizutani (1972) 46; Lai et Wang-Yang (1976) 190. = *P. neesi*.
- Pogonatum akitense* var. *akitense* auct. non Besch.: Wang (1967) 11, (1970) 531. = *P. junghuhnianum*.
- Pogonatum aloides* (Hedw.) P. Beauv. Sasaoka (1928a) 132, (1928e) 423. = *P. nipponicum*.
- Pogonatum alpinum* (Hedw.) Roehl. Osada (1965) 179. f. 3; Iwatsuki et Mizutani (1972) 48. f. 35; Wang (1967b) 93, (1970) 532; Chuang (1973) 432. = *Polytrichastrum alpinum*.
- Pogonatum alpinum* auct. non (Hedw.) Roehl.: Wang (1967) 11. = *P. urnigerum*.
- Pogonatum arisanense* Okamura (1916) 21; Broth. (1924-25) 508; Sasaoka (1928e) 423; Ihsiba (1929) 290, (1935) 202; Sakurai (1935) 131; Wang (1960) 3, (1970) 532; 村越 (1934) 116. = *P. sastigiatum*.
- Pogonatum camusii* (Ther.) Touw (1986) 9. f. 3. 26. f. 12.
- Pogonatum cirratum* (Sw.) Brid. Nakanishi (1963) 321; Iwatsuki (1969) 287; Wang (1970) 532; Chuang (1973) 432; Lai et Wang-Yang (1976) 190; Chen *et al.* (1978) 303; Iwatsuki et Mizutani (1983) 195.
- Pogonatum cirratum* auct. non (Sw.) Brid.: Wang (1967) 11. = *P. spurio-cirratum*.
- Pogonatum contortum* (Schwaegr.) Sull. Wang (1968) 9, (1970) 532, (1967b) 93.
- Pogonatum fastigiatum* Mitt. Sasaoka (1927) 241, (1928e) 423; Ihsiba (1932) 91, (1935) 202; Wang (1960) 3, (1967b) 94; Noguchi, Takaki et Inoue (1966) 360; Osada (1965a) 343; Wang (1970) 533; Noguchi (1971a) 241; Chuang (1973) 432; Lai et Wang-Yang (1976) 190.
- Pogonatum formosanum* Horikawa (1935) 59. f. 6; Hong et Kim (1960) 105; Wang (1968) 10, (1970) 533; Chuang (1973) 432; Lai et Wang-Yang (1976) 190.
- Pogonatum grandifolium* (Lindb.) Jaeg. Wang (1968) 6. = *P. contortum*.

- Pogonatum gymnophyllum* Mitt. Broth. (1924-25) 509; Sasaoka (1920a) 20, (1928e) 423; Ihsiba (1929) 291, (1935) 202; Sakurai (1935) 133; Bartr. (1939) 390. Pl. 29. f. 504; Wang (1960) 3, (1964) 3, (1967b) 98, (1970) 533; Horikawa et Ando (1964) 42; Chuang (1973) 433; Lai et Wang-Yang (1976) 190.
- Pogonatum hetero-contortum* Horikawa Horikawa (1936b) 561; Wang (1970) 533.=*P. spurio-cirratum*.
- Pogonatum heteroproliferum* Horikawa (1934) 461. f. 4, (1939) 983. Pl. 473; Ihsiba (1935) 203; Yang et Lee (1964) 182; Wang (1970) 533; Chuang (1973) 433; Lai et Wang-Yang (1976) 190.
- Pogonatum inflexum* (Lindb.) Jaeg. Cardot (1905) 113; Sawada (1914) 5; Okamura (1916) 24; Sasaoka (1928e) 423; Ihsiba (1929) 292, (1935) 203; Broth. (1924-25) 507; Horikawa (1939b) 985. Pl. 475; Reimers (1931) 72; Amakawa et Osada (1956) 50; Hong et Kim (1960) 105; Wang (1960) 3, (1967b) 93; Horikawa et Ando (1964) 42; Osada (1965) 192. f. 8. 9; Inoue (1969) 87. f. 1-9; Wang (1970) 533; Yang et Lee (1964) 182; Iwatsuki et Mizutani (1972) 46. Pl. 3; Chuang (1973) 433; Lai et Wang-Yang (1976) 190; 村越 (1934) 116. Pl. 24-221; Wang (1964) 3.
- Pogonatum japonicum* Sull. ex Lesq. Wang (1967b) 94, (1970) 533.=*P. contortum*.
- Pogonatum japonicum* auct. non Sull. ex Lesq.: Wang (1967) 11.=*P. cirratum*.
- Pogonatum junghuhnianum* (Doz. et Molk.) Doz. et Molk. Noguchi (1966) 543; Wang (1967) 12, (1970) 534; Iwatsuki (1969) 287; Noguchi (1971a) 241, (1972a) 169; Chuang (1973) 433; Wang et Lin (1974) 5. f. 6. a-e; Lai et Wang-Yang (1976) 190.=*P. neesii*
- Pogonatum microstomum* (Schwaegr.) Brid. Noguchi (1958) 1; Wang (1967) 12, (1967b) 99, (1970) 534; Noguchi, Takaki et Inoue (1966) 360; Noguchi (1971a) 241; Anonymous (1972) 104. f. 207; Chuang (1973) 433; Lai et Wang-Yang (1976) 190; Chen *et al.* (1978) 304; Lin (1981) 362; Chopra et Kumar (1981) 19. Pl. 20. 21; Iwatsuki et Mizutani (1983) 195; Lin et Tsai (1984) 83; Noguchi (1964c) 168.
- Pogonatum mirabile* Horikawa (1935c) 671. f. 26, (1939b) 987. Pl. 476.=*P. microstomum*.
- Pogonatum neesii* (C. Muell.) Doz.
- Pogonatum nipponicum* Nog. et Osada Wang (1970) 534.
- Pogonatum nudiusculum* Mitt. Yang et Lee (1964) 182; Wang (1967a) 27, (1970) 534; Chuang (1973) 434; Lai et Wang-Yang (1976) 190.
- Pogonatum oligotrichoides* Horikawa (1935d) 416. Text-fig. 2, (1939b) 981. Pl. 473; Wang (1970) 534; Chuang (1973) 434; Lai et Wang-Yang (1976) 190.
- Pogonatum spurio-cirratum* Broth. Sasaoka (1920a) 20, (1928e) 423; Horikawa (1936c) 26; Ihsiba (1929) 292, (1935) 202; Nakanishi (1963) 321; Osada (1965) 189. t. 6; Iwatsuki (1969) 287; Wang (1970) 534; Chuang (1973) 434; Noguchi (1972a) 169; Iwatsuki et Noguchi (1975) 319; Lai et Wang-Yang (1976) 190; Lin (1981) 360; Iwatsuki et Mizutani (1983) 195; Lin et Tsai (1984) 83.
- Pogonatum submacrophyllum* Broth. (1928) 27; Sasaoka (1928a) 132, (1928e) 423; Ihsiba (1935) 202; Wang (1970) 534.=*P. cirratum*.
- Pogonatum suzukii* Broth. (1928) 26; Sasaoka (1928e) 423; Ihsiba (1935) 202.=*Oligotrichum suzukii*.
- Pogonatum takao-montanum* Horik. Horikawa (1935e) 505. Text-fig. 7; Wang (1970) 534; Chuang (1973) 434; Lai et Wang-Yang (1976) 190; Chen *et al.* (1978) 304.
- Pogonatum thomsonii* (Mitt.) Jaeg. Chen *et al.* (1978) 305.
- Pogonatum urnigerum* (Hedw.) P. Beauv. Sasaoka (1928) 80, (1928e) 423; Wang (1964) 6, (1967b) 93, (1968) 10, (1970) 534; Nakanishi (1963) 321; Sakurai (1935) 134; Osada (1965) 181. f. 3; Iwatsuki (1969) 287; Chuang (1973) 432; Iwatsuki et Noguchi (1975) 319; Lai et Wang-Yang (1976) 190; Iwatsuki et Mizutani (1983) 195; Lin et Tsai (1984) 83.

- Pogonatum wallisi* (C. Muell.) Jaeg. Yang et Lee (1964) 182; Wang (1967a) 27, (1970) 535.
- Pohlia crudoides* (Sull. et Lesq.) Broth. var. *revolvens* (Card.) Ochi Nakanishi (1963) 325; Wang (1967a) 7; Ochi (1968a) 28; Wang (1970) 448; Iwatsuki et Mizutani (1972) 110. f. 56; Chuang (1973) 486; Noguchi et Iwatsuki (1975) 262; Lai et Wang-Yang (1976) 190; Lin et Tsai (1984) 88.
- Pohlia elongata* Hedw. Ochi (1959) 22, (1962b) 155; Nakanishi (1963) 324; Wang (1968) 3, (1970) 448; Chuang (1973) 486; Lai et Wang-Yang (1976) 190; Iwatsuki et Mizutani (1983) 195; Lin et Tsai (1984) 88.
- Pohlia flexuosa* Hook. Ochi (1959) 15, (1962b) 155; Shin (1962) 104; Noguchi (1965a) 167. f. 66, (1966) 559; Inoue (1969) 136. f. 1-6; Wang (1970) 449; Noguchi (1971a) 245; Chuang (1973) 486; Shin (1973) 54; Wang et Lin (1974) 7; Lai et Wang-Yang (1976) 191; Noguchi (1976) 117. f. 30; Lin (1981) 360.
- Pohlia gedeanum* (Bosch et Lac.) Gang.
- Pohlia longicolla* (Hedw.) Lindb. Ochi (1959) 17. Text-fig. 4; Nakanishi (1963) 324; Wang (1967a) 7, (1970) 449; Chuang (1973) 487; Lai et Wang-Yang (1976) 191; Iwatsuki et Mizutani (1983) 195; Lin et Tsai (1984) 88.
- Pohlia nutans* (Hedw.) Lindb. Wang (1970) 450; Chuang (1973) 487; Lai et Wang-Yang (1976) 191; Lin et Tsai (1984) 88.
- Pohlia scabridens* (Mitt.) Jaeg. Ihsiba (1929) 92, (1935) 203; Wang (1960) 27; 村越 (1934) 129.=*P. flexuosa*.
- Pohlia tozeri* (Grev.) Delile Wang (1970) 450.=*Epipterygium tozeri*.
- Pohlia tozeri* auct. non. (Grev.) Delile: Wang (1967) 5.=*Bryum cellulare*.
- Pohlia wahlenbergii* (Web. et Mohr.) Andrews. Ochi (1959) 42; Yang et Lee (1964) 183; Wang (1967a) 7, (1970) 450; Chuang (1973) 487; Lai et Wang-Yang (1976) 191.
- Polytrichastrum alpinum* (Hedw.) G. L. Smith Lai et Wang-Yang (1976) 191; Lin (1981) 361; Lin et Tsai (1984) 83.
- Polytrichastrum formosum* (Hedw.) G. L. Smith.
- Polytrichastrum formosum* var. *densifolium* (Mitt.) Iwatsuki et Noguchi Lai et Wang-Yang (1976) 191; Lin et Tsai (1984) 84.
- Polytrichum alpinum* Hedw. Nakanishi (1963) 326.=*Polytrichastrum alpinum*.
- Polytrichum attenuatum* Menzies Horikawa (1934) 462; Ihsiba (1935) 203; Sakurai (1935) 134; Horikawa (1935a) 221, (1939b) 987. Pl. 476.=*Polytrichastrum formosum*.
- Polytrichum commune* Hedw. Horikawa (1934a) 69, (1939b) 989. Pl. 477; Yang (1962) 29. Pl. I. f. 1-4; Wang (1967b) 94.
- Polytrichum commune* var. *commune* Wang (1970) 535; Lai et Wang-Yang (1976) 191.
- Polytrichum commune* var. *nigrescens* Warnst. Deguchi (1982) 9.
- Polytrichum commune* var. *swartzii* (Hartm.) Moenk. Wang (1967a) 27, (1970) 535; Chuang (1973) 435; Lai et Wang-Yang (1976) 191; Lai (1977) 155; Lin (1981) 362; Lin et Tsai (1984) 84.=*P. swartzii*.
- Polytrichum commune* var. *swartzii* auct. non (Hartm.) Moenk.: Osada (1966) 14. f. 7.=*P. commune* var. *nigrescens*.
- Polytrichum formosum* Hedw. var. *densifolium* (Mitt.) Osada in Osada et Yano (1966) 80. f. 1; Osada (1966) 19. f. 10; Wang (1967a) 27, (1970) 536; Chuang (1973) 435.=*Polytrichastrum formosum* var. *densifolium*.
- Polytrichum swartzii* Hartm.
- Polytrichum urnigerum* Hedw. Yang (1962) 30. Pl. I. f. 5-6.=*Pogonatum urnigerum*.
- Poro-trichum fruticosum* (Mitt.) Jaeg. Noguchi (1968) 315; Wang (1970) 490; Noguchi et Iwatsuki (1975) 272; Lai et Wang-Yang (1976) 191; Chen et al. (1978) 101.

- Porotrichum gracilescens* Noguchi (1935a) 66. Pl. I. f. 3. 8-9, (1950) 31, (1956a) 127; Wang (1961) 25, (1970) 490; Nakanishi (1963) 320; Lai et Wang-Yang (1976) 191; Iwatsuki (1978) 558; Chen *et al.* (1978) 101. f. 254.
- Porotrichum makinoi* Broth. Salmon (1900) 467; Cardot (1905) 132; Sawada (1914) 7.= *Pinnatella makinoi*.
- Pottia recta* Mitt. Yang (1971) 186. Pl. V.
- Pottia truncata* (Hedw.) Fühnrohr Wang (1970) 440.
- Pseudisothecium myosuroides* (Linn.) Grout Takaki (1956) 1. f. 31; Wang (1963) 252, (1970) 509; Lai et Wang-Yang (1976) 191.
- Pseudobarbella ancistrodes* (Ren. et Card.) Manuel (1977) 596.
- Pseudobarbella angustifolia* Noguchi (1948b) 87. f. 37; Wang (1961) 16; Wang (1970) 482, (1975) 60; Lai et Wang-Yang (1976) 191; Noguchi (1976a) 348. f. 53.
- Pseudobarbella assimilis* (Card.) Nog. Noguchi (1948b) 82. f. 33; Herz. et Noguchi (1955) 64; Noguchi (1947) 81; Wang (1961) 16, (1970) 482; Nakanishi (1963) 320; Noguchi (1971b) 409, (1973b) 244; Noguchi et Iwatsuki (1972) 466; Wang et Lin (1974) 9; Lai et Wang-Yang (1976) 191.=*P. attenuata*.
- Pseudobarbella attenuata* (Thwait. et Mitt.) Nog. Noguchi (1976a) 342. f. 49-51, (1985a) 103; Lin (1981) 362.
- Pseudobarbella concavifolia* (Nog.) Noguchi (1948b) 83; Wang (1961) 17, (1970) 482; Lai et Wang-Yang (1976) 191; Chen *et al.* (1978) 77.=*P. attenuata*.
- Pseudobarbella formosica* (Broth.) Noguchi (1948b) 87; Wang (1961) 17; Nakanishi (1963) 321; Wang (1970) 483, (1975) 60; Lai et Wang-Yang (1976) 191; Chen *et al.* (1978) 78.
- Pseudobarbella kiushiuensis* (Broth.) Nog. Wang (1967) 7, (1970) 483; Iwatsuki et Mizutani (1972) 162. Pl. 23; Lai et Wang-Yang (1976) 191.=*P. attenuata*.
- Pseudobarbella laxifolia* Noguchi (1948b) 91. f. 39; Wang (1961) 17, (1964) 5, (1970) 483; Shin (1965) 268; Lai et Wang-Yang (1976) 191; Noguchi (1976a) 349.
- Pseudobarbella levieri* (Ren. et Card.) Noguchi (1948b) 86. f. 36; Shin (1951b) 270; Wang (1961) 17, (1964) 5, (1970) 483; Noguchi (1968b) 172. f. 121, (1976) 166. f. 47, (1976a) 347; Iwatsuki et Mizutani (1972) 163. f. 79; Lai et Wang-Yang (1976) 191; Takaki (1981) 81; Lin et Tsai (1984) 92.
- Pseudobarbella levieri* auct. non (Ren. et Card.) Noguchi: Noguchi (1972a) 176; Lin (1981) 361.=*Floribundaria pseudofloribunda*.
- Pseudobarbella niitakayamensis* Noguchi (1948b) 90. f. 38; Nakanishi (1963) 325, (1964a) 72; Wang (1961) 17, (1970) 483; Noguchi (1971a) 250; Lai et Wang-Yang (1976) 191; Lin (1985) 17.=*Floribundaria setschwanica*.
- Pseudobarbella ochracea* (Nog.) Noguchi (1948b) 87; Wang (1961) 17, (1970) 483; Lai et Wang-Yang (1976) 191; Chen *et al.* (1978) 78.=*Chrysocladium flammeum* ssp. *ochraceum*.
- Pseudobarbella propagulifera* Noguchi (1948b) 89. f. 38; Wang (1961) 17, (1970) 483; Lai et Wang-Yang (1976) 191; Noguchi (1976a) 349; Chen *et al.* (1978) 78.
- Pseudoleskea crispula* Bosch et Lac. Cardot (1905) 131; Sawada (1914) 7.=*Claopodium assurgens*.
- Pseudoleskea latifolia* Lac. Cardot (1905) 131; Sawada (1914) 7.=*Bryohaplocladium microphyllum*.
- Pseudoleskea lutescens* Card. Wang (1963) 215, (1970) 497.=*Bryohaplocladium angustifolium*.
- Pseudoleskeopsis japonica* (Sull. et Lesq.) Iwats. Wang (1967a) 20, (1970) 497; Iwatsuki et Mizutani (1972) 190. Pl. 26; Iwatsuki et Noguchi (1975) 331; Lai et Wang-Yang (1976) 191.=*P. zippelii*.

- Pseudoleskeopsis orbiculata* (Mitt.) Broth. Herz. et Noguchi (1955) 66; Wang (1963) 215; Chen *et al.* (1978) 158.=*P. zippelii*.
- Pseudoleskeopsis zippelii* (Doz. et Molk.) Broth. Iwatsuki (1976) 142. f. I. II.
- Pseudopleuropus morrisonensis* Takaki (1955) 18. f. 5; Nakanishi (1963) 325, (1964a) 72; Wang (1963) 249, (1970) 506; Lai et Wang-Yang (1976) 191; Chen *et al.* (1978) 207. f. 328; Lin (1984) 17.=*Lescuraea morrisonensis*.
- Pseudoscleropodium purum* (Hedw.) Fleisch. Ihsiba (1935) 203; Wang (1970) 528; Lai et Wang-Yang (1976) 191; Lin et Tsai (1984) 94.
- Pseudospiridentopsis horrida* (Card.) Fleisch. Broth. (1909) 1228, (1924-25) 120; Sasaoka (1928c) 250; Ihsiba (1929) 140, (1935) 203; Horikawa (1936a) 384, (1939b) 935. Pl. 450; Bartr. (1939) 195. Pl. 14. f. 242; Noguchi (1947a) 55, (1952) 124. f. 51; Zanten (1959) 548. Pl. VIII. VII, map 3; Wang (1961) 7, (1967b) 100; Iwatsuki et Mizutani (1972) 154. f. 76; Anonymous (1972) 93. f. 145; Lai (1977) 155; Lin (1981) 360.
- Pseudospiridentopsis horrida* f. *horrida* Wang (1970) 475; Lai et Wang-Yang (1976) 191.
- Pseudospiridentopsis horrida* f. *laxifolia* Noguchi (1947a) 56; Zanten (1959) 549; Wang (1961) 7, (1970) 475; Lai et Wang-Yang (1976) 191.
- Pseudosymblepharis angustata* (Mitt.) Chen Noguchi et Iwatsuki (1975) 256; Lin (1984) 347; Lin et Tsai (1984) 86.
- Pseudosymblepharis papillosula* (Card. et Ther.) Broth. Chuang (1973) 472; Wang (1975) 60; Lai et Wang-Yang (1976) 191.=*P. angustata*.
- Pterobryopsis acuminata* (Hook.) Fleisch. Noguchi et Iwatsuki (1975) 268; Noguchi (1980) 313. f. 2.
- Pterobryopsis angustifolia* Noguchi (1935a) 63. Pl. I. f. 1-4; Noguchi (1947a) 68; Wang (1961) 9, (1970) 477; Lai et Wang-Yang (1976) 191; Chen *et al.* (1978) 60.
- Pterobryopsis arcuata* Noguchi (1936) 35. f. 1, (1947a) 69; Wang (1961) 9, (1970) 477; Lai et Wang-Yang (1976) 191; Chen *et al.* (1978) 60.=*P. orientalis* ssp. *yunnanensis*.
- Pterobryopsis crassiuscula* (Card.) Broth. Broth. (1909) 803, (1924-25) 136; Sasaoka (1928c) 252; Ihsiba (1929) 144, (1935) 203; Noguchi (1947a) 68; Wang (1961) 9, (1970) 477; Lai et Wang-Yang (1976) 191; Chen *et al.* (1978) 60. f. 229.
- Pterobryopsis cucullatifolia* Okamura [Sasaoka (1915) 56, nom. nud.] (1916) 27. f. 11; Sasaoka (1928c) 252; Broth. (1924-25) 140; Ihsiba (1929) 144, (1935) 203; Noguchi (1947a) 68. f. 16; Wang (1961) 9, (1970) 477, (1975) 60; Lai et Wang-Yang (1976) 191; Chen *et al.* (1978) 60.
- Pterobryopsis foulkesiana* (Mitt.) Fleisch. Noguchi (1972a) 175.
- Pterobryopsis morrisonicola* Noguchi (1947a) 69. f. 16; Wang (1961) 10, (1970) 477; Lai et Wang-Yang (1976) 191; Chen *et al.* (1978) 60; Lin (1984) 17.=*P. acuminata*.
- Pterobryopsis orientalis* (C. Muell.) Fleish. ssp. *yunnanensis* (Broth.) Noguchi (1986) 150. f. 1. 2. g-1.
- Pterobryopsis subcrassiusculis* Broth. Sasaoka (1928c) 252; Ihsiba (1929) 144, (1935) 203; Horikawa (1936a) 384; Wang (1961) 10; Chen *et al.* (1978) 60.
- Pterobryum arbuscula* Mitt. Sasaoka (1928c) 252; Wang (1970) 478; Iwatsuki et Mizutani (1972) 157. Pl. 22; Lai et Wang-Yang (1976) 191.
- Pterobryum arbuscula* auct. non Mitt.: Wang (1967) 7.=*P. subarbuscula*.
- Pterobryum subarbuscula* Broth. Sasaoka (1920) 285; Broth. (1924-25) 154; Ihsiba (1929) 145, (1935) 203; Noguchi (1937c) 43. Text-fig. 3, (1947a) 74; Iwatsuki (1969) 288; 村越 (1934) 108.
- Pterobryum subarbuscula* var. *longissima* Noguchi (1937c) 46. Text-fig. 3: 17, (1947a) 74; Wang (1961) 10, (1970) 478; Lai et Wang-Yang (1976) 191; Chen *et al.* (1978) 66; Lin (1981) 361.

- Pterobryum subarbuscula* var. *subarbuscula* Broth. (1921) 22; Sasaoka (1921) 69; Wang (1970) 478; Lai et Wang-Yang (1976) 191; Chen *et al.* (1978) 66; Li (1981) 362.
- Ptilium crista-castrensis* (Hedw.) De Not. Horikawa (1934b) 293, (1935f) 765, (1935g) 1000, (1939a) 364, (1939b) 969. Pl. 467; Wang (1963) 241, (1964) 4; Iwatsuki et Mizutani (1972) 259. Pl. 34; Lai et Wang-Yang (1976) 191.
- Ptychodium perattenuata* Okamura (1916) 87. f. 39; Sasaoka (1928e) 422; Ihsiba (1929) 279, (1935) 203; 村越 (1934) 82.=*Palamocladium macrostegium*.
- Ptychodium plicatum* Cardot (1905) 132. f. 24; Sawada (1914) 6; Sasaoka (1928e) 422; Ihsiba (1929) 280, (1935) 203; 村越 (1934) 82.=*Palamocladium macrostegium*.
- Ptychomitrium formosicum* Broth. et Yas. in Broth. (1928) 19; Ihsiba (1935) 203; Sakurai (1939a) 249; Wang (1960) 17, (1964) 6, (1970) 445; Noguchi (1954a) 24. f. 2. 4. 15; Chen *et al.* (1963) 227; Nakanishi (1963) 325; Wang (1967b) 100; Chuang (1973) 475; Lai et Wang-Yang (1976) 191; Lin (1981) 361; Iwatsuki et Mizutani (1983) 195; Lin et Tsai (1984) 86.
- Ptychomitrium longipes* Broth. Sasaoka (1928a) 133, (1928c) 249.
- Pylaisia chrysophylla* Cardot (1905) 131. f. 23; Sawada (1914) 7; Broth. (1924-25) 450; Sasaoka (1928e) 421; Ihsiba (1929) 258, (1935) 203.=*Palisadula chrysophylla*.
- Pylaisiadelpha crassipes* (Sak.) Buck (1984) 11.
- Pylaisiadelpha falcata* (Doz. et Molk.) Buck (1984) 12.
- Pylaisiadelpha fauriei* (Card.) Buck (1984) 12.
- Pylaisiadelpha formosana* (Broth.) Buck (1984) 12.
- Pylaisiadelpha henoii* (Dub.) Buck (1984) 12.
- Pylaisiadelpha herbacea* (Sak.) Buck (1984) 12.
- Pylaisiadelpha integrifolia* (Broth.) Buck (1984) 12.
- Pylaisiadelpha recurvans* (Michx.) Buck (1984) 13.
- Pylaisiadelpha* sp.
- Pylaisiadelpha subintegra* (Broth.) Buck (1984) 13.
- Pylaisiadelpha yokohamae* (Broth.) Buck (1984) 13.
- Pyrrhobryum dozyanum* (Lac.) Manuel.
- Pyrrhobryum latifolium* (Bosch & Sande Lac.) Mitt.
- Pyrrhobryum spiniforme* (Hedw.) Mitt.
- Pyrrhobryum spiniforme* var. *ryukyuense* (Iwats.) Manuel.
- Racomitrium barbuloides* Card. Frisvoll (1983) 89. f. 9A. 13A. 17b, d. 19. a-b, h. 30. 32. 46c.
- Racomitrium canescens* (Hedw.) Brid.
- Racomitrium canescens* var. *ericoides* (Hedw.) Hampe Lin et Tsai (1984) 86.=*R. ericoides*.
- Racomitrium carinatum* Card.
- Racomitrium crispulum* (Hook. f. et Wils.) Hook. f. et Wils. Lin et Tsai (1984) 86.
- Racomitrium diminutum* Card.
- Racomitrium ericoides* ((Web.) ex Brid.) Brid.
- Racomitrium fasciculare* (Hedw.) Brid. var. *atroviride* Card. Noguchi (1974a) 354. f. 8. 9; Lin et Tsai (1984) 86.
- Racomitrium fasciculare* var. *brachyphyllum* Card. Lin et Tsai (1984) 87.
- Racomitrium fasciculare* var. *fasciculare* Lin et Tsai (1984) 87.
- Racomitrium heterostichum* (Hedw.) Brid. var. *diminutum* (Card.) Noguchi Noguchi (1974a) 366. f. 14; Lin et Tsai (1984) 87.=*R. diminutum*.
- Racomitrium heterostichum* var. *heterostichum* Noguchi (1974a) 363. f. 12; Lin et Tsai (1984) 87.
- Racomitrium lanuginosum* (Hedw.) Brid. Lin et Tsai (1984) 87.=*Trichostomum lanuginosum*.
- Racopilum aristatum* Mitt. Lin et Wang (1985) 8. f. 1.

Racopilum ferriei Ther.

Racopilum formosicum Horik. Chen *et al.* (1978) 19.=*Reimersia inconspicua*.

Racopilum spectabile Reinw. et Hornsch. Koponen et Lai (1978) 81.

Regmatodon declinatus (Hook.) Brid. Iwatsuki et Sharp (1970) 167; Lai et Wang-Yang (1976) 191.

Regmatodon schwabei Herz. Chen *et al.* (1978) 149.=*R. declinatus*.

Reimersia inconspicua (Griff.) Chen Wang (1970) 437; Chuang (1973) 472; Lai et Wang-Yang (1976) 192.

Rhabdoweisia crenulata (Mitt.) Jam. Lawton (1961) 152, f. 29-34; Wang (1970) 425; Noguchi et Iwatsuki (1975) 252; Lai et Wang-Yang (1976) 192; Lin (1981) 361.

Rhabdoweisia crispata (With.) Lindb. Iwatsuki et Mizutani (1983) 195.

Rhabdoweisia denticulata Br. eur. Noguchi (1950) 83. f. 43, (1962b) 158.=*R. crispata*.

Rhacelopodopsis camusii Ther. Noguchi (1934b) 294; Toyama (1938) 102; Ihsiba (1935) 203; Wang (1960) 2, (1970) 531; Iwatsuki et Mizutani (1972) 49. f. 35; Chuang (1973) 435; Lai et Wang-Yang (1976) 192.=*Pogonatum camusii*.

Rhacomitrium anomodontoides Card. Wang (1967) 4, (1970) 442; Iwatsuki et Mizutani (1972) 92. f. 48; Chuang (1973) 476; Lai et Wang-Yang (1976) 192; Lin (1981) 362.=*Racomitrium fasciculare* var. *atroviride*.

Rhacomitrium canescens (Hedw.) Brid. Iwatsuki et Mizutani (1983) 195.=*Racomitrium canescens*.

Rhacomitrium canescens var. *ericoides* (Hedw.) Hampe Sasaoka (1928b) 189; Nakanishi (1963) 322; Wang (1967a) 6, (1970) 442; Chuang (1973) 476; Lai et Wang-Yang (1976) 192.=*Racomitrium ericoides*.

Rhacomitrium carinatum Card. Wang (1967) 4, (1970) 443; Iwatsuki et Mizutani (1972) 92; Chuang (1973) 476; Lai et Wang-Yang (1976) 192.=*Racomitrium carinatum*.

Rhacomitrium crispulum (Hook. f. et Wils.) Hook. f. et Wils. Wang (1970) 443; Chuang (1973) 477; Lai et Wang-Yang (1976) 192.=*Racomitrium crispulum*.

Rhacomitrium fasciculare (Hedw.) Brid. var. *atroviride* Card. Iwatsuki et Mizutani (1983) 195; Lin (1981) 362.=*Racomitrium fasciculare* var. *atroviride*.

Rhacomitrium fasciculare var. *fasciculare* Chuang (1973) 476; Lai et Wang-Yang (1976) 192.=*Racomitrium fasciculare* var. *fasciculare*.

Rhacomitrium fasciculare var. *orientale* Brid. Sasaoka (1920a) 20, (1928b) 190; Ihsiba (1929) 80, (1935) 203; Wang (1970) 444; Chuang (1973) 476; Lai et Wang-Yang (1976) 192.=*Racomitrium fasciculare* var. *fasciculare*.

Rhacomitrium formosicum Broth. Sasaoka (1928a) 133, (1928b) 190.=*Racomitrium fasciculare* var. *atroviride*.

Rhacomitrium formosicum Sakurai (1937a) 134. f. 9.=*Racomitrium fasciculare* var. *atroviride*.

Rhacomitrium heterostichum (Hedw.) Brid. Ihsiba (1929) 80; Shin (1951) 124; Wang (1960) 17, (1964) 4, (1967) 4, (1970) 444; Chuang (1973) 477; Lai et Wang-Yang (1976) 192; Iwatsuki et Mizutani (1983) 195; 村越 (1934) 133.=*Racomitrium heterostichum*.

Rhacomitrium heterostichum var. *diminutum* (Card.) Nog. Lin (1981) 361.=*Racomitrium diminutum*.

Rhacomitrium hypnoides (L.) Lindb. Sasaoka (1920a) 20, (1928b) 190; Horikawa (1939b) 899. Pl. 432. f. 8-14, (1950b) 94. nom. illeg.=*Racomitrium lanuginosum*.

Rhacomitrium javanicum Doz. et Molk. Cardot (1905) 103; Sawada (1914) 4; Sasaoka (1920a) 20, (1928b) 190; Ihsiba (1929) 80, (1935) 203; Sakurai (1937) 108; Wang (1960) 17.=*Racomitrium crispulum*.

- Rhacomitrium lanuginosum* (Hedw.) Brid. Nakanishi (1963) 325; Wang (1970) 444; Chuang (1973) 477; Lai et Wang-Yang (1976) 192; Lin (1981) 361. = *Trichostomum lanuginosum*.
- Rhacopilum aristatum* Mitt. Salmon (1902) 3; Cardot (1905) 148; Sawada (1914) 8; Broth. (1909) 977, (1924-25) 52; Okamura (1916) 54; Sasaoka (1928c) 250; Ihsiba (1929) 130, (1935) 203; Horikawa (1934a) 607; Noguchi (1937b) 784; Herz. et Noguchi (1955) 63; Wang (1961) 2, (1970) 472, (1975) 60; Noguchi (1967) 86. f. 89; Shin (1965) 267, (1973) 56; Iwatsuki et Mizutani (1972) 144. f. 7; Wang et Lin (1974) 10; Lai et Wang-Yang (1976) 192; Smith (1976) 74; Takaki (1981) 81; 村越 (1934) 112. = *Racopilum aristatum*.
- Rhacopilum ferriei* Ther. Wang (1967) 7, (1970) 472; Shin (1971) 51, (1973) 56; Noguchi (1972a) 174; Lai et Wang-Yang (1976) 192. = *Racopilum ferriei*.
- Rhacopilum formosicum* Horikawa (1934) 458. f. 2; Ihsiba (1935) 203. = *Reimersia inconspicua*.
- Rhacopilum spectabile* Reinw. et Horn. Wang (1969) 7, (1970) 472; Lai et Wang-Yang (1976) 192. = *Racopilum spectabile*.
- Rhaphidostegium demissum* (Wils.) De Not. Okamura (1916) 74. = *Sematophyllum demissum*.
- Rhaphidostegium japonicum* Broth. Okamura (1916) 74. f. 32; Sasaoka (1915) 56. = *Sematophyllum subhumile* ssp. *japonicum*.
- Rhaphidostegium robustulum* Cardot (1905) 135. f. 26; Broth. (1909) 1113; Sawada (1914) 7. = *Sematophyllum robustulum*.
- Rhaphidostichum boschii* (Doz. et Molk.) Seki ssp. *boschii* Lai et Wang-Yang (1976) 192.
- Rhaphidostichum boschii* ssp. *thelidictyon* (Sull. et Lesq.) Seki (1968) 55. f. 23. 24. 26; Lai et Wang-Yang (1976) 192.
- Rhaphidostichum piliferum* (Broth.) Broth. Herz. et Noguchi (1955) 69; Shin (1965) 270; Wang (1970) 517; Lai et Wang-Yang (1976) 192; Chen *et al.* (1978) 250.
- Rhegmato don declinatus* (Hook.) Brid. Noguchi (1937) 87, (1966) 578, (1973b) 248; Wang (1963) 214, (1970) 497; Lin (1984b) 348. = *Regmatodon declinatus*.
- Rhegmato don schwabei* Herz. in Herz. et Noguchi (1955) 66. f. 22; Wang (1963) 214, (1970) 497. = *Regmatodon declinatus*.
- Rhizogonium armatum* Sakurai (1941a) 207. f. 5, (1951) 197; Wang (1960) 32, (1970) 463. = *Pyrrhobryum latifolium*.
- Rhizogonium badakense* Fleisch. Horikawa (1935b) 392, (1935d) 415, (1939b) 917. Pl. 441. f. 11-15; Iwatsuki (1972) 131. f. 5. 6; Iwatsuki et Mizutani (1972) 126. Pl. 17; Chuang (1973) 491; Lai et Wang-Yang (1976) 192; Lai (1977) 155; Takaki (1981) 81. = *Pyrrhobryum latifolium*.
- Rhizogonium dozyanum* Lac. Noguchi (1938) 27; Shin (1951b) 270; Wang (1968) 6, (1970) 463; Noguchi (1967) 86; Inoue (1969) 70. f. 1-4; Iwatsuki et Mizutani (1972) 126. Pl. 17; Chuang (1973) 491; Lai et Wang-Yang (1976) 192; Inoue, S. et Iwatsuki (1976) 394; Noguchi (1976) 133. f. 36; Lai (1978) 67. Pl. I. = *Pyrrhobryum dozyanum*.
- Rhizogonium longiflorum* (Mitt.) Jaeg. Noguchi (1967) 86. f. 88. = *Pyrrhobryum latifolium*.
- Rhizogonium spiniforme* (Hedw.) Bruch Okamura (1916) 21; Sasaoka (1928c) 248; Ihsiba (1929) 112, (1935) 203; Horikawa (1935d) 415; Herz. et Noguchi (1955) 62; Wang (1960) 33, (1964) 5, (1967b) 94, (1970) 463; Iwatsuki (1972) 131. f. 5; Yang et Lee (1964) 183; Lai et Wang-Yang (1976) 192; 村越 (1934) 121. = *Pyrrhobryum spiniforme*.
- Rhizogonium spiniforme* var. *badakense* (Fleisch.) Iwatsuki in Inoue, S. et Iwatsuki (1976) 400, Lai (1978) 70. Pl. III; Lin (1980) 361; Iwatsuki et Mizutani (1983) 195. = *Pyrrhobryum latifolium*.

- Rhizogonium spiniforme* var. *ryukyuense* Iwatsuki (1972) 134. f. 7; Inoue, S. et Iwatsuki (1976) 398; Lai (1978) 71. Pl. IV=*Pyrrhobryum spiniforme* var. *ryukyuense*.
- Rhizogonium spiniforme* var. *spiniforme* Lai (1978) 67. Pl. II=*Pyrrhobryum spiniforme* var. *spiniforme*.
- Rhizomnium horikawae* (Nog.) T. Kop. Koponen (1971b) 300. f. 13-15, (1972) 144 f. 3, (1973a) 266. f. 7, (1973b) 25. f. 91; Chuang (1973) 490; Lai et Wang-Yang (1976) 192; Lai (1977) 155; Lin (1981) 360; Koponen (1981a) 14.
- Rhizomnium magnifolium* (Horik.) T. Kop. Lai et Wang-Yang (1976) 192; Koponen (1981a) 14.
- Rhizomnium parvulum* (Mitt.) T. Kop. Koponen (1977) 63; Lai et Wang-Yang (1976) 192; Lai (1977) 155; Koponen (1981a) 16.
- Rhizomnium perssonii* T. Kop. Koponen (1971b) 300. 19-21; Chuang (1973) 490.=*R. magnifolium*.
- Rhizomnium punctatum* (Hedw.) T. Kop.
- Rhizomnium punctatum* ssp. *horikawae* (Nog.) Nog. Lin et Tsai (1984) 89.=*R. horikawae*.
- Rhizomnium striatulum* (Mitt.) T. Kop. Koponen (1971b) 300, f. 16-18, (1971c) 373. f. 4-9, (1972) 144. f. 3, (1973b) 25. f. 91; Iwatsuki et Mizutani (1972) 124. f. 60; Chuang (1973) 491; Lai et Wang-Yang (1976) 192.
- Rhizomnium tuomikoskii* T. Kop. Lai et Wang-Yang (1976) 192; Koponen et Lai (1976) 497; Koponen (1977) 63; Lai (1977) 155; Koponen (1982a) 69; Koponen et Lou (1982) 69; Lin et Tsai (1984) 89.
- Rhodobryum giganteum* (Schwaegr.) Par. Sasaoka (1920a) 20, (1928b) 193; Ihsiba (1929) 104, (1935) 203; Horikawa (1934a) 604, (1939b) 909. Pl. 437; Wang (1960) 30; Nakanishi (1963) 320; Inoue (1969) 72. f. 1-4; Iwatsuki et Koponen (1972) 18; Noguchi (1972a) 173; Chuang (1973) 487; Lai et Wang-Yang (1976) 192; Noguchi (1976) 121. f. 32; Lai (1977) 155; Koponen, Li et Zang (1982) 76. f. 1; Lin et Tsai (1984) 88; Mohamed (1984) 282. f. 1. 2. 4.
- Rhodobryum roseum* (Hedw.) Limpr. Sasaoka (1928b) 193; Ihsiba (1935) 203; Wang (1960) 30; Yang et Lee (1964) 183; Chuang (1973) 487; Lai et Wang-Yang (1976) 192; Chiang et Lin (1984) 35.
- Rhodobryum wichurae* (Broth.) Broth. Okamura (1916) 18.=*Bryum billardieri*.
- Rhynchostegiella formosana* Sakurai (1932b) 744.=*R. leptoneura*.
- Rhynchostegiella leptoneura* Dix. et Ther. Ihsiba (1935) 203; Takaki (1956) 58. f. 47; Wang (1963) 257; Wang (1970) 511; Lai et Wang-Yang (1976) 192; Chen *et al.* (1978) 217. f. 334.
- Rhynchostegium fauriei* Card. Wang (1975) 60.
- Rhynchostegium inclinatum* (Mitt.) Jaeg. Herz. et Noguchi (1955) 68; Wang (1963) 246, (1970) 511; Lai et Wang-Yang (1976) 192; Chen *et al.* (1978) 215.
- Rhynchostegium plumosum* Ther. Wang (1975) 60.
- Rhynchostegium rubro-carinatum* Sak. Lin (1984b) 348.
- Rhynchostegium sasaokae* Broth.=*R. inclinatum*.
- Rhynchostegium schottmuelleri* (Broth.) Par. Cardot (1905) 134; Sawada (1914) 7.=*Eurhynchium riparioides*.
- Rhynchostegium suzukae* Broth. Sasaoka (1928a) 133, (1928e) 415.
- Rhynchostegium vagans* (Harv.) Jaeg. Cardot (1905) 134; Broth. (1924-25) 374; Sawada (1914) 7; Sasaoka (1928e) 416; Ihsiba (1929) 229, (1935) 203; Takaki (1956) 43. f. 43; Noguchi (1966) 581; Wang (1963) 257, (1969) 10, (1970) 511; Lai et Wang-Yang (1976) 192; Chen *et al.* (1978) 215.

- Rhytidiadelphus triquetrus* (Hedw.) Warnst., Lin et Chiang (1984) 22. f. 2; Lin et Tsai (1984) 95.
- Rhytidium rugosum* (Hedw.) Kindb. Noguchi (1936a) 146; Wang (1963) 242, (1967b) 94, (1970) 528; Iwatsuki et Mizutani (1972) 261. Pl. 35; Lai et Wang-Yang (1976) 192; Lin (1984b) 348; Lin et Tsai (1984) 95.
- Sanionia uncinata* (Hedw.) Loeske Lin et Tsai (1984) 93.
- Sasaokaea aomoriensis* (Par.) Kanda Koponen et Lai (1978) 82. f. 1-9.
- Schistidium apocarpum* (Hedw.) Bruch et Schimp. Deguchi (1978) 214. f. 43. 44; Cao et Vitt (1986) 209. f. 50-52.
- Schistidium gracile* (Roehl.) Limpr. Deguchi (1978) 220. f. 47-51; Lin et Tsai (1984) 87. = *S. apocarpum*.
- Schistidium strictum* (Turn.) Loeske ex Märt. Cao et Vitt (1986) 214. f. 53-56.
- Schistidium trichodon* (Brid.) Poelt Cao et Vitt (1986) 218. f. 55-58.
- Schizomitrium papillatum* (Mont.) Sull.
- Schizomitrium papillatum* var. *longifolium* (Fl.) H. Mill., H. Whitt., B. Whitt.
- Schlotheimia fauriei* Cardot (1905) 106. f. 9; Sawada (1914) 4; Broth. (1909) 1230; Sasaoka (1928c) 250; Ihsiba (1929) 129, (1935) 203; Wang (1961) 2, (1970) 571; Lai et Wang-Yang (1976) 192; Chen *et al.* (1978) 18.
- Schlotheimia japonica* Besch. et Card. Wang (1961) 2, (1970) 469; Iwatsuki (1969) 288; Iwatsuki et Mizutani (1972) 143. Pl. 19; Lai et Wang-Yang (1976) 192; Chen *et al.* (1978) 18; Lin et Tsai (1984) 90.
- Schlotheimia latifolia* Card. et Ther. Wang (1970) 469; Lai et Wang-Yang (1976) 192.
- Schlotheimia latifolia* auct. non Card. et Ther.: Wang (1967) 6. = *S. japonica*.
- Schlotheimia rugulosa* Noguchi (1936a) 140. f. 1. 7-10; Wang (1961) 2, (1970) 469; Lai et Wang-Yang (1976) 192; Chen *et al.* (1978) 18.
- Schwetschkea formosica* Cardot (1905) 125. f. 21; Sawada (1914) 6; Broth. (1909) 907, (1924-25) 193; Sasaoka (1928d) 363; Ihsiba (1929) 177, (1935) 205; Sakurai (1932a) 499, (1934) 419; Wang (1963) 213, (1970) 497; Lai et Wang-Yang (1976) 192; Taoda (1977) 53. f. 3; Chen *et al.* (1978) 145. = *Helicodontium formosicum*.
- Schwetschkea laxa* (Wils.) Jaeg. Cardot (1905) 126; Sawada (1914) 6; Broth. (1909) 908, (1924-25) 293; Sasaoka (1928d) 364; Ihsiba (1929) 177, (1935) 203; Sakurai (1932a) 499, (1934) 419; Herz. et Noguchi (1955) 65; Wang (1963) 213, (1970) 497; Lai et Wang-Yang (1976) 192.
- Schwetschkea matsumurae* Besch. Sasaoka (1915) 56, (1928d) 364; Okamura (1916) 54; Ihsiba (1929) 177, (1935) 203; Shin (1951a) 303; Wang (1970) 497; Iwatsuki et Mizutani (1972) 186. f. 93; Lai et Wang-Yang (1976) 192.
- Schwetschkeopsis formosana* Noguchi (1951) 41. f. 2, (1966) 578; Wang (1963) 214, (1970) 497; Noguchi, Takaki et Inoue (1966) 372; Lai et Wang-Yang (1976) 193; Lin (1981) 361; Lin et Tsai (1984) 93; Noguchi (1964c) 186.
- Scopelophila cataractae* (Mitt.) Broth. Chuang (1973) 472; Noguchi et Iwatsuki (1975) 256; Lai et Wang-Yang (1976) 193.
- Scopelophila ligulata* (Spruce) Spruce Zander (1967) 412. f. 10-28; Chuang (1973) 472; Noguchi et Iwatsuki (1975) 256; Lai et Wang-Yang (1976) 193.
- Sematophyllum demissum* (Wils.) Mitt. Sasaoka (1928) 83, (1928e) 418; Ihsiba (1929) 251, (1935) 203; Wang (1963) 229, (1970) 516; Lai et Wang-Yang (1976) 193.
- Sematophyllum extensum* Cardot (1905) 134. f. 25; Sawada (1914) 7; Broth. (1909) 1121; Sasaoka (1928e) 418; Ihsiba (1929) 251, (1935) 203; 村越 (1934) 85. = *Pylaisiadelpha falcata*.
- Sematophyllum japonicum* (Broth.) Broth. Sasaoka (1928e) 418; Ihsiba (1929) 215, (1935) 203; Wang (1963) 23, (1970) 516; 村越 (1934) 85. = *S. subhumile* ssp. *japonicum*.
- Sematophyllum pulchellum* (Card.) Broth. Wang (1963) 230, (1970) 516, (1975) 60; Seki (1968) 31. f. 10. 11; Iwatsuki et Mizutani (1972) 243. f. 128; Lai et Wang-Yang (1976) 193; Noguchi (1976) 247. f. 72.

- Sematophyllum robustulum* (Card.) Broth. Broth. (1924-25) 433; Sasaoka (1928e) 418; Ihsiba (1929) 252, (1935) 203; Wang (1963) 230, (1970) 516; Seki (1968) 34. f. 12. 13; Iwatsuki et Mizutani (1972) 243. f. 128; Reimers (1931) 59; Lai et Wang-Yang (1976) 193.
- Sematophyllum subhumile* (C. Muell.) Fl. Lin (1981) 361.
- Sematophyllum subhumile* ssp. *japonicum* (Broth.) Seki (1968) 38. f. 14. 15. 17; Iwatsuki et Mizutani (1972) 243. Pl. 33; Lai et Wang-Yang (1976) 193; Seki (1977) 141. f. 1. 2.
- Sematophyllum tristiculum* (Mitt.) Fleisch. Sasaoka (1927) 241, (1928e) 418; Ihsiba (1935) 203; Herz. et Noguchi (1955) 69; Wang (1963) 231, (1970) 517; Lai et Wang-Yang (1976) 193; Chen *et al.* (1978) 249.
- Sematophyllum tristiculum* auct. non (Mitt.) Fleisch.: Sakurai (1932a) 504.=*Acroporium flagelliferum*.
- Semibarbula indica* (Brid.) Herz. Chen (1941a) 229. Abb. 41.=*Barbula indica*.
- Semibarbula orientalis* (Web.) Wijk et Marg. Chuang (1973) 463; Lai et Wang-Yang (1976) 193.=*Barbula indica*.
- Sharpiella spinulosa* (Sull. et Lesq.) Iwatsuki Wang (1970) 526.=*Herzogiella perrobusta*.
- Sharpiella spinulosa* auct. non (Sull. et Lesq.) Iwats.: Wang (1967) 10.=*Ctenidium* sp.
- Solmsiella biseriata* (Austin) Steere Iwatsuki et Sharp (1967) 161. f. VII; Wang (1968) 7, (1970) 473; Lai et Wang-Yang (1976) 193; Pocs (1976) 193. map 6.=*Erpodium biseri-atum*.
- Sphagnum cuspidatum* C. Muell. Liu et Lai (1981) 99; Rosario (1973) 32. f. 20-24.
- Sphagnum cuspidatum* Ehrh. ex Hoffm. Lai (1976) 203; Liu et Lai (1981) 99. Pl. I.
- Sphagnum cymbifolium* Ehrh. Warnstorf (1911) 461; Reimers (1931) 40; Chen et Lee (1956) 173. Pl. XXVIII. XXXI.=*S. palustre* ssp. *pseudocymbifolium*.
- Sphagnum cymbifolium* (Hedw.) Warnst non Ehrh.: Cardot (1905) 89; Sawada (1914) 2. =*S. palustre* ssp. *pseudocymbifolium*.
- Sphagnum girgensohnii* Ruse. Noguchi (1966) 538; Suzuki (1966) 18; Chuang (1973) 426; Lai et Wang-Yang (1976) 193; Lai (1977) 155; Lin (1981) 362; Liu et Lai (1981) 99; Lin et Tsai (1984) 83.
- Sphagnum junghunianum* Doz. et Molk. Cardot (1905) 89; Sawada (1914) 2; Broth. (1924-25) 115; Sasaoka (1928b) 181; Ihsiba (1929) 7, (1935) 203; Dixon (1935) 66; Bartr. (1939) 12. Pl. 1. f. 6; Shin (1951b) 270; Chen et Lee (1956) 183. pl. XL; Wang (1967b) 92; Chuang (1973) 426; Eddy (1977) 426. Text-fig. 20 & 21; Liu et Lai (1981) 101; Iwatsuki et Mizutani (1983) 195; Lin et Tsai (1984) 83; Rosario (1973) 28. f. 16-19; Schofield et Crum (1972) 185. f. 15.
- Sphagnum junghuhnianum* Doz. et Molk. f. *compacta* War. Ihsiba (1929) 7, (1935) 203.=*S. junghuhnianum*.
- Sphagnum junghuhnianum* ssp. *junghuhnianum* Suzuki (1966) 18; Lai et Wang-Yang (1976) 193.=*S. junghuhnianum*.
- Sphagnum junghuhnianum* ssp. *pseudomolle* (Warnst.) Suzuki (1956) 194. f. 1. 5, (1966) 18; Noguchi (1966) 538; Chuang (1973) 426; Noguchi et Iwatsuki (1975) 243; Lai et Wang-Yang (1976) 193.=*S. junghuhnianum*.
- Sphagnum junghuhnianum* var. *pseudomolle* (Warnst.) Warnst. (1911) 117; Ihsiba (1929) 7, (1935) 203; Chen et Lee (1956) 184; Iwatsuki et Mizutani (1972) 34. f. 27. 29.=*S. junghuhnianum*.
- Sphagnum junghuhnianum* var. *typicum* Warnst. (1911) 116; Chen *et al.* (1956) 184.=*S. junghuhnianum*.
- Sphagnum junghuhnianum* var. *typicum* f. *compactum* Warnst. Warnst. (1911) 116.=*S. junghuhnianum*.

- Sphagnum magellanicum* Brid. Inoue (1972) Bryophyta Selected Exsiccata fasc. III. no. 148; Lai et Wang-Yang (1976) 193; Eddy (1977) 387. Text-fig. 5; Liu et Lai (1981) 98.
- Sphagnum ovatum* Hampe apud C. Muell. Liu et Lai (1981) 99.
- Sphagnum palustre* auct. non Linn.: Sasaoka (1928b) 181; Ihsiba (1935) 203; Suzuki (1956a) 166, (1966) 18; Noguchi (1966) 542; Chuang (1973) 427; Lai et Wang-Yang (1976) 193; Lai (1977) 155.=*S. palustre* ssp. *pseudocymbifolium*.
- Sphagnum palustre* L. ssp. *pseudocymbifolium* (C. Muell.) Eddy (1977) 376. Text-fig. 1-2. Pl. 37; Liu et Lai (1981) 98.
- Sphagnum pseudocymbifolium* C. Muell. Cardot (1905) 89; Warnstorf (1911) 469; Sawada (1914) 2; Broth. (1924-25) 123; Sasaoka (1928b) 182; Shin (1951b) 270; Chen *et al.* (1956) 175. Pl. XXXII; Suzuki (1956a) 166.=*S. palustre* ssp. *pseudocymbifolium*.
- Sphagnum pseudo-molle* Warnst. Cardot (1905) 89; Sawada (1914) 2.=*S. junghuhnianum*.
- Sphagnum septatum* Warnst. var. *macrophyllum* H. Paul. Sasaoka (1928b) 182.
- Sphagnum sericum* C. Muell. Chen *et al.* (1956) 188. Pl. XLIV, (1963) 91; Suzuki (1966) 18; Wang (1967b) 92; Chuang (1973) 427; Lai et Wang-Yang (1976) 193; Liu et Lai (1981) 103.
- Spiridens reinwardtii* Nees Horikawa (1934a) 606. f. 4-5, (1939b) 925. Pl. 445. f. 1-6; Sakurai (1943) 91; Chen *et al.* (1963) 302. f. 190; Wang (1967b) 99, (1970) 468; Anonymous (1972) 66. f. 132; Chuang (1973) 496; Iwatsuki et Noguchi (1975) 327; Lai et Wang-Yang (1976) 193; Smith (1976) 73.
- Stereodon deflexifolius* Broth. Sasaoka (1920a) 20, (1921a) 273. nom. illeg.
- Stereodon plumaeformis* (Wils.) Mitt. Broth. (1909) 1071; Okamura (1916) 65.=*Hypnum plumaeformis*.
- Stereodon plumaeformis* var. *alare* Par. Broth. (1909) 1071.=*Hypnum plumaeformis* var. *alare*.
- Stereodon rhynchothecium* (C. Muell.) Broth. Sasaoka (1920a) 20.=*Hyphnum tristoviride*.
- Stereophyllum formosanum* Iwatsuki in Wang (1963) 226. nom. nud.
- Stereophyllum ligulatum* (C. Muell.) Jaeg. Iwatsuki (1964) 180. f. 1; Wang (1967a) 23, (1970) 513; Lai et Wang-Yang (1976) 193; Chen *et al.* (1978) 230.=*Entodontopsis nitens*.
- Stokesiella arbuscula* (Broth.) Robins. Takaki (1981) 81.
- Stokesiella arbuscula* var. *acuminata* (Tak.) Tak.
- Stokesiella praelonga* (Hedw.) Robins.
- Streblotrichum convoluta* (Hedw.) P. Beauv. Lai et Wang-Yang (1976) 193.=*Barbula convoluta*.
- Symblepharis angustata* (Mitt.) Chen Lin (1981) 360.
- Symblepharis helicophylla* Mont. Sasaoka (1928b) 185, (1927) 242; Ihsiba (1929) 41, (1935) 203; Wang (1960) 8, (1970) 426; Noguchi (1971a) 243; Lai et Wang-Yang (1976) 193.
- Symblepharis reinwardtii* (Doz. et Molk.) Mitt. Sasaoka (1920a) 20, (1928b) 185; Ihsiba (1929) 42, (1935) 204; Wang (1960) 8, (1969) 4, (1970) 427; Noguchi (1966) 551; Chuang (1973) 460; Lai et Wang-Yang (1976) 193.
- Symblepharis vaginata* (Hook.) Wijk et Marg. Chuang (1973) 460; Lai et Wang-Yang (1976) 193.
- Symphyodon perrottetii* Mont. Sakurai (1941a) 208. f. 6; Wang (1967a) 20, (1970) 494; Ando et Seki (1962) 80. f. 1-3; Lai et Wang-Yang (1976) 193; Chen *et al.* (1978) 127. f. 270.
- Syrrhopodon fimbriatulus* C. Muell.
- Syrrhopodon gardneri* (Hook.) Schwaegr. Wang (1967) 3, (1970) 432; Chuang (1973) 465; Lai et Wang-Yang (1976) 193; Lin (1984b) 348; Lin, P. J. (1984) 269; Mohamed et Reese (1985) 227. f. 1-6.

- Syrrhopodon japonicus* (Besch.) Broth. Wang (1964) 6, (1967b) 100, (1967) 3, (1970) 432; Iwatsuki (1968) 473; Inoue (1969) 140. f. 1-7; Chuang (1973) 465; Lai et Wang-Yang (1976) 193; Lin, P. J. (1984) 269; Mohamed et Reese (1985) 227. f. 7-10.
- Syrrhopodon larminatii* Par. et Broth. Chuang (1973) 465; Wang et Lin (1974) 6; Lai et Wang-Yang (1976) 193; Iwatsuki (1977) 357; Tixier (1978) 982. f. 9; Lin, P. J. (1984) 269. = *S. fimbriatulus*.
- Syrrhopodon tosaensis* Card. Noguchi (1948a) 88, (1964a) 106. f. 40; Wang (1960) 11, (1970) 432; Iwatsuki et Mizutani (1972) 80. f. 45; Chuang (1973) 465; Lai et Wang-Yang (1976) 193; Iwatsuki (1977) 357; Lin, P. J. (1984) 268. = *S. trachyphyllus*.
- Syrrhopodon trachyphyllus* Mont.
- Syrrhopodon tsushima* Cardot. Wang (1970) 432.
- Taiwanobryum speciosum* Noguchi (1936a) 143. Pl. 1. f. 2, (1947a) 51, (1956a) 123, (1960) 307; Wang (1961) 5, (1970) 474; Chen *et al.* (1978) 41. f. 217; Lai et Wang-Yang (1976) 193; Lin (1981) 361; Lai et Koponen (1981) 117. f. 1. 4.
- Taxiphyllum cuspidifolium* (Card.) Iwatsuki Lai et Wang-Yang (1976) 193.
- Taxiphyllum eurhynchioides* Iwatsuki in Wang (1963) 238. nom. nud.
- Taxiphyllum eximium* (Sull. et Lesq.) Iwatsuki (1963a) 73; Smith (1976) 82.
- Taxiphyllum formosanum* Herz. et Noguchi (1955) 70. f. 23: 13-20; Wang (1963) 238, (1970) 540; Lai et Wang-Yang (1976) 193; Chen *et al.* (1978) 270. = *T. eximium*.
- Taxiphyllum giraldii* (C. Muell.) Fleisch. Broth. (1924-25) 462; Sasaoka (1928e) 421; Ihsiba (1929) 271, (1932) 94, (1935) 204; Wang (1963) 238, (1970) 525; Lai et Wang-Yang (1976) 193.
- Taxiphyllum pilosum* (Broth. et Yas.) Iwatsuki Wang (1967a) 25, (1970) 525; Lai et Wang-Yang (1976) 193.
- Taxiphyllum planifrons* (Broth. et Par.) Fleisch. Broth. (1924-25) 463; Sasaoka (1928e) 421; Ihsiba (1935) 204; Wang (1963) 239. = *Ectropothecium zollingeri*.
- Taxiphyllum planifrons* var. *formosicum* Card. Sasaoka (1928e) 421. = *Ectropothecium zollingeri*.
- Taxiphyllum subarcuatum* (Broth.) Iwatsuki Wang (1967a) 26, (1970) 525; Iwatsuki (1972) 238. f. 124; Noguchi (1973) 91. f. 245, (1976) 242. f. 71; Lai et Wang-Yang (1976) 193.
- Taxiphyllum taiwanense* Sakurai (1950) 200; Wang (1963) 239, (1970) 525; Lai et Wang-Yang (1976) 193.
- Taxiphyllum taxirameum* (Mitt.) Iwatsuki Broth. (1924-25) 463; Sasaoka (1928e) 421; Ihsiba (1935) 204; Bartr. (1939) 368. Pl. 28. f. 477; Hong et Kim (1960) 105; Nakanishi (1963) 321; Wang (1963) 239, (1964) 3, (1967b) 97, (1969) 11, (1970) 526; Iwatsuki et Mizutani (1972) 237, Pl. 32; Noguchi (1966) 589, (1972a) 182; Iwatsuki (1974) 660; Noguchi et Iwatsuki (1976) 278; Lai et Wang-Yang (1976) 193; Lin (1981) 360, (1984b) 348; Iwatsuki et Mizutani (1983) 195.
- Taxithelium batanense* Bartr. Herz. et Noguchi (1955) 69; Wang (1963) 232, (1970) 539; Shin (1973) 57; Lai et Wang-Yang (1976) 193; Chen *et al.* (1978) 254; Lin (1981) 360.
- Taxithelium instratum* (Brid.) Broth. Herz. et Noguchi (1955) 69; Wang (1963) 232, (1969) 11, (1970) 539; Lai et Wang-Yang (1976) 193; Smith (1976) 79; Chen *et al.* (1978) 254.
- Taxithelium lingulatum* Cardot (1905) 136. f. 27; Broth. (1909) 1093; Sawada (1914) 8 = *Glossadelphus lingulatus*.
- Taxithelium parvulum* (Broth. et Par.) Seki Lai et Wang-Yang (1976) 193.
- Tayloria indica* Mitt.
- Tayloria kwangsiensis* Reimers Iwatsuki (1959) 236. f. 1; Horikawa (1935) 54; Wang (1960) 23, (1970) 447; Iwatsuki et Mizutani (1972) 104. f. 54; Chuang (1973) 479; Noguchi (1974) 393. f. 5. = *T. indica*.

- Tayloria kwangsiensis* auct. non Reimers: Iwatsuki et Sharp (1970) 165.=*T. subglabra*.
Tayloria recurvi-marginata Noguchi (1944a) 145. f. 24; Wang (1970) 447; Chuang (1973) 480; Lai et Wang-Yang (1976) 194.
Tayloria subglabra (Griff.) Mitt. Noguchi (1972a) 173; Koponen et Koponen (1974) 216. f. 14-20; Lai et Wang-Yang (1976) 194.
Tetracladium cymbifolium Doz. et Molk. 村越 (1934) 98.=*Thuidium cymbifolium*.
Tetracladium glaucinoides Broth. 村越 (1934) 98.=*Thuidium glaucinum*.
Tetracladium japonicum Doz. et Molk. 村越 (1934) 98.=*Thuidium cymbifolium*.
Tetraxis pellucida Hedw. Hong et Kim (1960) 101; Chen *et al.* (1963) 250. f. 158; Wang (1970) 447; Chuang (1973) 429; Lai et Wang-Yang (1976) 194.
Thamnium alopecurum L. Schimp. Sasaoka (1928) 81.=*Thamnobryum alopecurum*.
Thamnium fauriei Broth. et Par. Cardot (1905) 132; Sawada (1914) 7; Broth. (1909) 863; Sasaoka (1915) 56; Okamura (1916) 47.=*Thamnobryum plicatulum*.
Thamnium flabellatum Noguchi (1936) 39. f. 3, (1950a) 38; Wang (1961) 25.=*Porotrichum fruticosum*.
Thamnium flabellatum var. *attenuatum* Noguchi (1950) 38, (1961) 25.=*Porotrichum fruticosum*.
Thamnium incurvum Noguchi (1937b) 786. f. 2, (1950a) 39; Wang (1961) 26, (1970) 538; Shin (1973) 56.=*Thamnobryum incurvum*.
Thamnium laetifolium (Bosch et Lac.) Par. Noguchi (1936) 39, (1950a) 39; Wang (1961) 26, (1970) 491.=*Thamnobryum pandum*.
Thamnium plicatulum Lac. Broth. (1924-25) 202; Sasaoka (1928d) 362; Ihsiba (1929) 163; Noguchi (1950a) 37. f. 54; Shin (1951b) 270; Hong et Kim (1960) 102; Wang (1961) 26, (1970) 491.=*Thamnobryum plicatulum*.
Thamnium sandei Besch. Herz. et Noguchi (1955) 65; Wang (1961) 26, (1970) 491.=*Thamnobryum sandei*.
Thamnium tumidum Noguchi (1936) 40. f. 3, (1950a) 36; Wang (1961) 26, (1970) 491.=*Thamnobryum tumidum*.
Thamnobryum alopecurum (Hedw.) Nieuwl.
Thamnobryum incurvum (Nog.) Noguchi et Iwats. Noguchi et Iwatsuki (1972) 470; Lai et Wang-Yang (1976) 194; Chen *et al.* (1978) 102.
Thamnobryum latifolium (Bosch et Lac.) Nieuwl. Lai et Wang-Yang (1976) 194; Lin (1981) 360.=*T. pandum*.
Thamnobryum pandum (Hook. f. et Wils.) Jaeg. Chen *et al.* (1978) 102.
Thamnobryum plicatulum (Lac.) Iwatsuki Iwatsuki et Mizutani (1972) 173. f. 86; Lai et Wang-Yang (1976) 194; Chen *et al.* (1978) 102; Takaki (1981) 82; Lin (1984b) 348.
Thamnobryum sandei (Besch.) Iwats. Iwatsuki et Mizutani (1972) 173. Pl. 24; Lai et Wang-Yang (1976) 194; Lin (1984) 361.
Thamnobryum tumidum (Nog.) Noguchi et Iwatsuki Lai et Wang-Yang (1976) 194; Chen *et al.* (1978) 102.
Thuidium bonianum Besch. Watanabe (1980) 155. f. 1.
Thuidium capillatum (Mitt.) Jaeg. Cardot (1905) 130; Sawada (1914) 8.=*Bryohaplocladium microphyllum*.
Thuidium contortulum (Mitt.) Jaeg. Watanabe (1980) 155.
Thuidium cymbifolium (Doz. et Molk.) Doz. et Molk. Cardot (1905) 129; Sawada (1914) 7; Broth. (1924-25) 326; Sasaoka (1928d) 365; Ihsiba (1929) 197, (1935) 204; Bartr. (1939) 295. Pl. 22. f. 376; Herz. et Noguchi (1955) 67; Nakanishi (1963) 320; Reimers (1931) 59; Shin (1951b) 270; Horikawa et Ando (1964) 29; Shin (1967) 114; Wang

- (1963) 220, (1964) 3, (1967b) 97, (1970) 502; Wang et Lin (1974) 9; Watanabe (1964) 273, (1977) 137, (1978) 38. f. 1; Lai et Wang-Yang (1976) 194; Watanabe (1980) 155; Iwatsuki et Mizutani (1983) 195; Inoue (1984) 445; Lin et Tsai (1984) 93; Noguchi (1964c) 186.
- Thuidium glaucinoides* Broth. Broth. (1909) 1016, (1924-25) 326; Sasaoka (1927) 242, (1928d) 366; Ihsiba (1929) 197, (1935) 204; Bartr. (1939) 294. Pl. 22. f. 375; Shin (1967) 115; Wang (1963) 220, (1970) 502; Lai et Wang-Yang (1976) 194; Watanabe (1964) 273, (1972) 186. Pl. 9, (1980) 155.=*T. glaucinum*.
- Thuidium glaucinum* (Mitt.) Bosch et Lac. Cardot (1905) 130; Sawada (1914) 7; Ihsiba (1929) 197, (1935) 204; Shin (1951b) 270, (1967) 117; Herz. et Noguchi (1955) 67; Nakanishi (1963) 321; Horikawa et Ando (1964) 29; Wang (1963) 220, (1967b) 97, (1970) 502, (1975) 60; Yang et Lee (1964) 184; Lai et Wang-Yang (1976) 194; Iwatsuki et Mizutani (1983) 195; Watanabe (1964) 273, (1972) 187. Pl. 10. (1976a) 90. f. 1, (1978a) 371, (1980) 155; Lin (1984b) 348; Noguchi (1964c) 186.
- Thuidium gracile* (Br. et Sch.) Bryol. eur. Cardot (1905) 130; Sawada (1914) 7.=*Bryohaplodadium microphyllum*.
- Thuidium japonicum* Doz. et Molk. Cardot (1905) 129; Sawada (1914) 7; Okamura (1916) 58; Sasaoka (1928d) 366; Ihsiba (1929) 198, (1935) 204; Wang (1970) 502.=*T. cymbifolium*.
- Thuidium kanedae* Sak. Nakanishi (1963) 319; Iwatsuki et Mizutani (1972) 200. Pl. 28; Watanabe (1963) 222, (1964) 273, (1972) 191. Pl. 14, (1980) 156; Lai et Wang-Yang (1976) 194; Lai (1977) 155.
- Thuidium lejeuneoides* Noguchi (1937) 88. f. 2; Herz. et Noguchi (1955) 67; Wang (1963) 220, (1970) 503; Watanabe (1972) 180. Pl. 3; Shin (1973) 56; Lai et Wang-Yang (1976) 194; Iwatsuki, Smith et Suzuki (1976) 433. f. 3; Iwatsuki (1978) 558.=*T. bonianum*.
- Thuidium lepidoziaeum* Sak. Nakanishi (1963) 326; Wang (1963) 326, (1967a) 21, (1970) 503; Watanabe (1964) 273, (1972) 183. Pl. 6, (1975) 15, (1980) 156; Iwatsuki (1974) 662; Lai et Wang-Yang (1976) 194; Deguchi (1980) 42.
- Thuidium meyenianum* (Hampe) Bosch et Lac. Sasaoka (1928d) 366; Ihsiba (1935) 204; Watanabe (1962) 252. f. 1; Shin (1967) 118; Wang (1970) 503; Lai et Wang-Yang (1976) 194.=*T. plumulosum*.
- Thuidium minutulum* (Hedw.) Bruch et Schimp. Wang (1963) 221, (1969) 10, (1970) 503; Lai et Wang-Yang (1976) 194.
- Thuidium occultissimum* (C. Muell.) Par. Cardot (1905) 130; Sawada (1914) 7; Wang (1970) 503; Lai et Wang-Yang (1976) 194.
- Thuidium plumulosum* (Doz. et Molk.) Bosch et Lac.
- Thuidium recognitum* (Hedw.) Lindb. var. *delicatulum* (Hedw.) Warnst. Wang et Lin (1974) 9; Lai et Wang-Yang (1976) 194.
- Thuidium sparsifolium* (Mitt.) Jaeg. Watanabe (1980) 156.
- Thuidium subglaucinum* Card. Lin (1981) 361.
- Thuidium tamariscellum* (C. Muell.) Bosch et Lac. Herz. et Noguchi (1955) 67; Nakanishi (1963) 321; Wang (1963) 221, (1970) 503; Shin (1967) 118; Lai et Wang-Yang (1976) 194; Watanabe (1964) 272, (1972) 179. Pl. 2, (1980) 156.
- Thuidium toyamae* Nog. Wang (1963) 221.=*T. kanedae*.
- Thyridium flavum* (C. Muell.) Fleisch. Lai et Wang-Yang (1976) 194.=*Mitthyridium flavum*.
- Thysanomitrium blumii* (Doz. et Molk.) Broth. Broth. (1924-25) 189; Sasaoka (1928b) 185; Wang (1960) 8.=*Campylopus umbellatus*.

- Thysanomitrium richardii* Schwaegr. Ihsiba (1929) 34, (1935) 204; Shin (1951b) 270. = *Campylopus umbellatus*.
- Timmiella anomala* (B. S. G.) Limpr. Noguchi (1938a) 399; Chen (1941a) 172. Abb. 23; Noguchi (1956) 77; Nakanishi (1963) 326; Noguchi, Takaki et Inoue (1966) 365; Wang (1970) 437; Anonymous (1972) 48. f. 96; Chuang (1973) 472; Lai et Wang-Yang (1976) 194; Noguchi (1964d) 193.
- Tortella tortuosa* (Turn.) Limpr. sensu Wang (1967) 3, (1970) 437. = *Pseudosymblypharis angustata*.
- Tortula emarginata* (Dozy et Molk.) Mitt. Cardot (1905) 103; Sawada (1914) 4; Okamura (1916) 8; Sasaoka (1928b) 189; Ihsiba (1929) 73, (1935) 204; Horikawa (1954) 79; Wang (1960) 22; 村越 (1934) 134. = *T. muralis*.
- Tortula muralis* (L.) Hedw. Ihsiba (1929) 73, (1935) 204; Wang (1960) 22; 村越 (1934) 134.
- Tortula muralis* var. *muralis* Wang (1970) 441; Chuang (1973) 473; Lai et Wang-Yang (1976) 194. = *T. muralis*.
- Tortula muralis* var. *obcordata* (Schimp.) Limpr. Chen (1941a) 305. Abb. 75; Wang (1970) 441; Chuang (1973) 473; Lai et Wang-Yang (1976) 194. = *T. muralis*.
- Tortula nankomontana* Noguchi (1944) 257. f. 29; Wang (1970) 441; Chuang (1973) 473; Lai et Wang-Yang (1976) 194.
- Trachycystis immarginata* (Broth.) Lazarenko Iwatsuki et Mizutani (1972) 120. Pl. 15; Lai et Wang-Yang (1976) 194; Takaki (1981) 81. = *T. ussuriensis*.
- Trachycystis ussuriensis* (Maack et Regel) T. Kop. (1977a) 206; Koponen *et al.* (1983) 225; Chiang et Lin (1984) 35; Lin et Tsai (1984) 89.
- Trachyloma indicum* Mitt. Sasaoka (1929) 21; Ihsiba (1932) 97, (1935) 204; Horikawa (1939b) 941. Pl. 453, (1950) 48; Whittier (1976) 232. f. 64; Wang (1961) 11; Yang (1971) 186. Pl. II; Chen *et al.* (1978) 52. f. 224.
- Trachyloma indicum* var. *indicum* Wang (1970) 479; Miller et Manuel (1982) 302. f. 12. = *T. indicum*.
- Trachyloma indicum* var. *latifolium* Noguchi (1947a) 51. f. 19; Wang (1961) 11, (1970) 479; Lai et Wang-Yang (1976) 194; Lai (1977) 155; Lin (1981) 361. = *T. indicum*.
- Trachypodopsis auriculatus* (Mitt.) Fleisch. Sasaoka (1920a) 20, (1921a) 273, (1928c) 251; Broth. (1924-25) 122; Ihsiba (1929) 140, (1935) 204; Horikawa (1939b) 937. Pl. 451. f. 1-5; Noguchi (1947a) 57. f. 13; Zanten (1959) 529. Pl. IV. f. 3. Pl. V. map 2; Wang (1961) 7, (1970) 475; Noguchi (1966) 568; Lai et Wang-Yang (1976) 194; Chiang et Lin (1984) 35; Lin et Tsai (1984) 91; Noguchi (1964c) 182.
- Trachypodopsis crispatula* (Hook.) Fleisch. Ihsiba (1935) 204; Noguchi (1935a) 63, (1947a) 58; Nakanishi (1963) 321; Wang (1961) 8. = *T. serrulata* var. *crispatula*.
- Trachypodopsis crispatula* var. *longifolia* Noguchi (1939a) 214. Text-fig. 2, (1947a) 58; Wang (1961) 8. = *T. serrulata* var. *crispatula*.
- Trachypodopsis flaccida* Card. Fleisch. (1905-06) 67; Broth. (1909) 832. = *Duthiella flaccida*.
- Trachypodopsis formosana* Noguchi (1947a) 59. f. 13; Zanten (1959) 528. Pl. IV. f. 2. Pl. V. map 3; Wang (1961) 8, (1970) 475; Lai et Wang-Yang (1976) 194; Lin (1981) 362; Iwatsuki et Mizutani (1983) 195; Lin et Tsai (1984) 91.
- Trachypodopsis horrida* (Card.) Broth. Broth. (1909) 832. = *Pseudospiridentopsis horrida*.
- Trachypodopsis serrulata* Fleisch. var. *crispatula* (Hook.) Zanten (1959) 521. Pl. V. map 1; Horikawa et Ando (1964) 568; Noguchi, Takaki et Inoue (1966) 370; Noguchi (1966) 568, (1972a) 174; Wang (1969) 7, (1970) 475; Lai et Wang-Yang (1976) 194.
- Trachypus bicolor* Reinw. et Hornsch. Bartr. (1939) 194. Pl. 14. f. 241; Horikawa et Ando (1964) 13; Noguchi (1966) 569; Wang (1967a) 16; Lin et Tsai (1984) 91; Noguchi (1964c) 182.

- Trachypus bicolor* var. *bicolor* Wang (1970) 474; Lai et Wang-Yang (1976) 194.
- Trachypus bicolor* var. *hispidus* (C. Muell.) Cardot (1905) 116; Sawada (1914) 6; Broth. (1924-25) 119; Sasaoka (1928c) 25; Ihsiba (1935) 204; Noguchi (1947a) 53; Wang (1961) 6.
- Trachypus bicolor* var. *rigidus* (Broth. et Par.) Cardot (1905) 116; Sawada (1914) 6; Sasaoka (1928c) 251; Ihsiba (1929) 140, (1935) 204; Noguchi (1947a) 52; Wang (1961) 6.=*T. bicolor* var. *hispidus*.
- Trachypus bicolor* var. *scindifolius* (Sak.) Wijk et Marg. Zanten (1959) 501. Pl. I. map 2; Wang (1970) 474; Lai et Wang-Yang (1976) 194.
- Trachypus bicolor* var. *viridulus* (Mitt.) Zanten Zanten (1959) 499. Pl. I. map 3; Wang (1970) 474; Lai et Wang-Yang (1976) 194.
- Trachypus cuspidatus* Fleisch. var. *scindifolius* (Sak.) Noguchi (1947a) 53, (1961) 6.=*T. bicolor* var. *scindifolius*.
- Trachypus flaccidus* Cardot (1905) 117. f. 16; Sawada (1914) 6.=*Duthiella flaccida*.
- Trachypus hispidus* (C. Muell.) Sasaoka (1921a) 273.=*T. bicolor* var. *hispidus*.
- Trachypus humilis* Lindb. Okamura (1916) 37; Broth. (1924-25) 119; Sasaoka (1928c) 251; Ihsiba (1935) 204; Bartr. (1939) 194. Pl. 14. f. 240; Horikawa et Ando (1964) 13; Wang (1961) 6, (1970) 474; Iwatsuki et Mizutani (1972) 154. Pl. 21; Lai et Wang-Yang (1976) 194.
- Trachypus humilis* var. *brevifolius* Card. Noguchi (1947a) 54; Wang (1961) 6.=*T. humilis*.
- Trachypus humilis* Lindb. var. *humilis* Zanten (1959) 506. Pl. III. map 2; Manuel (1981a) 220.
- Trachypus humilis* f. *secundus* Noguchi (1947a) 54; Wang (1961) 6.=*T. humilis*.
- Trachypus longifolius* Noguchi (1947a) 55. f. 12; Zanten (1959) 510. Pl. II. f. 5. Pl. III. map 3; Wang (1961) 6, (1970) 475; Lai et Wang-Yang (1976) 194; Chen *et al.* (1978) 45.
- Trachypus scindifolius* Sakurai (1941a) 208. f. 7.=*T. bicolor* var. *scindifolius*.
- Trachythecium micropyxis* (Broth.) Bartr. Herz. et Noguchi (1955) 70; Wang (1970) 539; Lai et Wang-Yang (1976) 194; Chen *et al.* (1978) 268.
- Trachythecium verrucosum* (Hampe) Herz. var. *binervulum* Herz. in Herz. et Noguchi (1955) 70; Wang (1970) 540; Lai et Wang-Yang (1976) 194; Chen *et al.* (1978) 267. f. 369.
- Trematodon drepanellus* Besch. Cardot (1905) 91; Sawada (1914) 2; Okamura (1916) 5; Broth. (1924-25) 176; Sasaoka (1928b) 185; Ihsiba (1929) 26, (1935) 204; Horikawa (1934a) 603, (1934b) 711, (1936d) 669; Herz. et Noguchi (1955) 58; Wang (1960) 5; 村越 (1934) 140.=*T. longicollis*.
- Trematodon drepanellus* var. *flaccidisetus* (Card.) Dix. Horikawa (1939b) 885. Pl. 425. f. 1-6; Wang (1960) 5.=*T. longicollis*.
- Trematodon flaccidisetus* Card. Ihsiba (1929) 27, (1935) 204; Herz. et Noguchi (1955) 59; 村越 (1934) 143.=*T. longicollis*.
- Trematodon longicollis* Michx. Okamura (1916) 5; Sasaoka (1928b) 186; Ihsiba (1929) 27, (1935) 204; Wang (1960) 6, (1964) 3, (1967b) 89; Takaki (1962a) 266. f. 1. 2; Wang (1970) 422; Chuang (1973) 448; Shin (1973) 53; Yang et Lee (1964) 182; Yang (1971) 186. Pl. III; Wang et Lin (1974) 5; Lai et Wang-Yang (1976) 195; Hirohama (1976) 62; Lin (1981) 362; Chiang et Lin (1984) 35; 村越 (1934) 143. Pl. 28-273.
- Trematodon paucifolius* C. Muell. Herz. et Noguchi (1955) 59; Wang (1960) 6, (1970) 537.=*T. longicollis*.
- Trichosteleum aculeatum* Broth. et Par. Cardot (1905) 135; Broth. (1909) 1118; Sawada (1914) 7; Sasaoka (1928e) 418; Ihsiba (1929) 253, (1935) 204; Sakurai (1932a) 504; Wang (1963) 231, (1970) 517; Chen *et al.* (1978) 253.=*Rhaphidostichum boschii* ssp. *thelidictyon*.

- Trichosteleum batanense* Bartr. Shin (1973) 57.=*Taxithelium batanense*.
Trichosteleum boschii (Doz. et Molk.) Jaeg. Wang (1970) 517, (1969) 10; Shin (1973) 57.=*Rhaphidostichum boschii*.
Trichosteleum boschii auct. non (Doz. et Molk.) Jaeg.: Noguchi (1948a) 87.=*Rhaphidostichum boschii* ssp. *thelidictyon*.
Trichosteleum hamatum (Doz. et Molk.) Jaeg. et Sauerb. Sasaoka (1928e) 418; Herz. et Noguchi (1955) 69; Wang (1963) 231, (1970) 517; Shin (1965) 270; Lai et Wang- (1976) 195; Smith (1976) 80; Chen *et al.* (1978) 254; Lin (1981) 362.
Trichosteleum parvulum Broth. et Par. Cardot (1905) 136; Sawada (1914) 8; Sasaoka (1928e) 418; Ihsiba (1929) 253, (1935) 204; Wang (1963) 232, (1970) 518.=*Taxithelium parvulum*.
Trichostomum cylindricum (Brid.) C. Muell. Sasaoka (1928a) 133, (1928b) 189.=*Oxystegus cylindricus*.
Trichostomum cylindricum var. *brotheri* Ihsiba Ihsiba (1935) 204. nom. nud.
Trichostomum lanuginosum (Hedw.) Brid.
Trichostomum orientale Willd. Salmon (1900) 455; Cardot (1905) 102; Sawada (1914) 4. =*Barbula indica*.
Trichostomum platyphyllum (Broth. ex Ihsiba) Chen Saito (1975) 434. f. 27; Lai et Wang- Yang (1976) 195; Lin et Wang (1985) 7. f. 1.
Trichostomum tenuirostre (Hook. et Tay.) Lindb. Wang (1970) 438.=*Oxystegus cylindricus*.
Trismegistia undulata Broth. et Yasuda Sasaoka (1928e) 418; Ihsiba (1929) 248, (1935) 204; Wang (1963) 228; Chen *et al.* (1978) 243; 村越 (1934) 85.=*Mastopoma perundulatum*.
Tristichella glabrescens Iwatsuki (1977a) 17. f. 2. 3; Crosby (1979) 264.
Tuerckheimia angustifolia (Saito) Zander (1978) 27.
Ulotia crispa (Hedw.) Brid. Nakanishi (1964a) 72; Iwatsuki et Mizutani (1972) 139. Pl. 19; Lin (1977) 155; Lin et Tsai (1984) 90.
Ulotia crispa var. *crispa* Iwatsuki (1959a) 143. f. 1; Nakanishi (1963) 322; Wang (1970) 468; Lai et Wang-Yang (1976) 195.
Ulotia crispa var. *longifolia* (Dix. et Sak.) Iwatsuki Wang (1961) 1, (1970) 469; Nakanishi (1963) 325, (1964a) 71; Iwatsuki et Mizutani (1972) 139. f. 67; Lai et Wang-Yang (1976) 195.
Ulotia morrisonensis Horikawa et Noguchi in Noguchi (1937c) 37. Text-fig. 1; Wang (1961) 1, (1970) 469; Nakanishi (1963) 325, (1964a) 72; Lai et Wang-Yang (1976) 195; Chen *et al.* (1978) 13; Lin et Tsai (1984) 90; Lin (1985) 17.
Venturiella sinensis (Vent.) C. Muell. Crum (1972) 221; Noguchi (1968b) 9. f. 4; Iwatsuki et Sharp (1970) 164; Iwatsuki et Mizutani (1972) 98. Pl. 12; Lai et Wang-Yang (1976) 195.
Vesicularia flaccida (Sull. et Lesq.) Iwatsuki Wang (1967) 9, (1970) 526; Iwatsuki et Mizutani (1972) 236. f. 123; Lai et Wang-Yang (1976) 195.
Vesicularia montagnei (Belang.) Broth. Herz. et Noguchi (1955) 70; Wang (1963) 240, (1970) 526; Lai et Wang-Yang (1976) 195; Smith (1976) 82; Chen *et al.* (1978) 271.
Vesicularia pereticulata Broth. Sasaoka (1928e) 421.
Vesicularia reticulata (Doz. et Molk.) Broth. Sakurai (1932b) 749, (1933) 345; Ihsiba (1935) 204; Shin (1965) 271; Wang (1963) 240, (1970) 526; Zanten (1968) 147; Noguchi (1972a) 50; Lai et Wang-Yang (1976) 195.
Vesicularia sasaokae Okamura [Sasaoka (1915) 56. nom. nud.] (1916) 67. f. 29; Sasaoka (1928e) 421; Ihsiba (1929) 273, (1935) 204; Wang (1963) 240, (1970) 526; Lai et Wang-Yang (1976) 195; 村越 (1934) 88.=*V. reticulata*.

- Vesicularia shimadae* Okamura (1916) 69. f. 30; Sasaoka (1928e) 421; Ihsiba (1929) 273, (1935) 204; Herz. et Noguchi (1955) 70; Wang (1963) 240, (1970) 526; Lai et Wang-Yang (1976) 195; Chen *et al.* (1978) 271; Lin (1984a) 17. f. 11, (1984d) 62. f. 11; 村越 (1934) 88.=*V. reticulata*.
- Webera elongata* (Hedw.) Schwaegr. Sasaoka (1928a) 133, (1928d) 193.=*Pohlia elongata*.
- Webera nutans* auct. non (Schreber) Hedw.: Horikawa (1939b) 905. Pl. 435. f. 1-5.=*Pohlia flexuosa*.
- Webera scabridens* (Mitt.) Jaeg. Cardot (1905) 108; Sasaoka (1928b) 192; Sawada (1914) 5.=*Pohlia flexuosa*.
- Weisia controversa* Hedw. Wang (1970) 435.=*Weissia controversa*.
- Weisia edentula* Mitt. Chen (1941a) 161.=*Weissia edentula*.
- Weisia longidens* Card. Chen (1941a) 162. Abb. 19. f. 7; Iwatsuki (1958a) 320; Wang (1968) 3, (1970) 436.=*Weissia longidens*.
- Weisia longiseta* Lesq. et Jam. Cardot (1905) 91; Sawada (1914) 2; Broth. (1924-25) 255; Sasaoka (1927) 242, (1928b) 189; Ihsiba (1929) 60, (1935) 204; Wang (1960) 18, (1970) 436; Chen *et al.* (1963) 192.=*Weissia controversa*.
- Weisia platyphylla* Broth. Sasaoka (1928) 79; Herz. et Noguchi (1955) 60; Wang (1960) 19, (1970) 436.=*Weissia planifolia*.
- Weisia platyphylloides* Cardot (1905) 90. f. 2; Sawada (1914) 2; Broth. (1909) 1190, (1924-25) 255; Sasaoka (1928b) 189; Ihsiba (1929) 61, (1935) 204; Chen (1941a) 164; Wang (1960) 19, (1970) 436.=*Weissia edentula*.
- Weisia viridula* (L.) Hedw. Sasaoka (1915) 56, (1928b) 189; Okamura (1916) 8; Ihsiba (1929) 61; Wang (1960) 19; 村越 (1934) 137. Pl. 27-262.=*Weissia controversa*.
- Weisiopsis hyophiloides* Dix. et Ther. Noguchi (1954) 84. f. 65; Chuang (1973) 474; Lai et Wang-Yang (1976) 195.=*Trichostomum platyphyllum*.
- Weissia controversa* Hedw. Iwatsuki et Mizutani (1972) 85. Pl. 9; Chuang (1973) 469; Lai et Wang-Yang (1976) 195; Lin et Wang (1985) 7. f. 1.
- Weissia crispa* (Hedw.) Mitt.
- Weissia edentula* Mitt. Saito (1975) 422. f. 22.
- Weissia longidens* Card. Iwatsuki et Mizutani (1972) 85.
- Weissia newcomeri* (Bartr.) Saito.
- Weissia planifolia* Dix. Chuang (1973) 473; Lai et Wang-Yang (1976) 195.
- Weissia semipallida* C. Muell. Chuang (1973) 473; Lai et Wang-Yang (1976) 195.=*W. edentula*.
- Wijkia deflexifolia* (Ren. et Card.) Crum (1971) 171; Lin (1984) 55.
- Wijkia semitortipila* (Fleisch.) Lin (1984) 55.
- Wilsoniella decipiens* (Mitt.) Alston Chuang (1973) 448; Lai et Wang-Yang (1976) 195.
- Zygodon viridissimus* (Dicks.) Brid. Wang (1967) 6, (1970) 469; Iwatsuki et Mizutani (1972) 136; Lai et Wang-Yang (1976) 195.

ACKNOWLEDGEMENTS

The authors are indebted to Dr. A. Noguchi, Kumamoto University, Kumamotoshi, Dr. R. H. Zander, Buffalo Museum of Science, Buffalo, Dr. W. C. Steere, the New York Botanical Garden, Bronx, Prof. Dr. W. Schultze-Motel, Botanischer Garten und Botanischer Museum, Berlin-Dahlem, Dr. E. Urmi, Universität Zürich, Dr. H. P. Ramsay, University of New South Wales, Dr. D. H. Vitt, University of Alberta, Edmonton, Canada and Dr. R. D. Seppelt, Antarctic Division, Department of Science and Technology, Tasmania, for supplying us the literatures they issued. Especial thanks to Prof. H. Tagawa, Kagoshima

University, for sending us the literatures of Dr. T. Shin, even in illness. The authors thank Dr. D. Doty, Tamkang University, for checking our manuscript.

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臺灣苔類植物名錄

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摘 要

臺灣苔類植物的採集及研究，迄今約有 120 年左右。其分類歷史約可分為歐洲學者、日本學者及本土學者三個階段。

為便利本島苔類分類的研究，作者着手收集有關臺灣苔類分類、植物地理及細胞學等文獻，完成此名錄，並列出文獻出處及同異名處理。

臺灣苔類凡計 258 屬，817 個種、亞種、變種及型。