

# Catalogue of the family Psychidae in China (Lepidoptera: Tineoidea)

Qian-Ju Jia & Chun-Sheng Wu

## Abstract

This catalogue of Psychidae in China is piled based on a literature research in multiple languages and on the study of Psychidae specimens in National Zoological Museum of China and Natural History Museum in London. Prior our research, less than 20 Psychidae species are listed in China, however we expand the list to 59 species, 35 genera and 7 subfamilies, among them, two species are newly recorded in China.

**Keywords:** Lepidoptera, Tineoidea, catalogue, China.

## Catálogo de la familia Psychidae en China (Lepidoptera: Tineoidea)

## Resumen

Este catálogo de Psychidae en China se basa en una investigación bibliográfica en varios idiomas y en el estudio de especímenes Psychidae en el Museo Zoológico Nacional de China y el Museo de Historia Natural de Londres. Antes de nuestra investigación, menos de 20 especies Psychidae se enumeran en China, sin embargo ampliamos la lista a 59 especies, 35 géneros y 7 subfamilias, entre ellos, dos especies son nuevos registros en China.

**Palabras clave:** Lepidoptera, Tineoidea, catálogo, China.

## Introduction

Psychidae belong to the Lepidoptera family, there are 1,324 species distributed on all continents except Antarctica (Sobczyk, 2011). Many members in this family are polyphagous, which means they are able to feed on a variety of different plants. All bagworms bear a self-made case, these cases can be made from different materials like moss, leaves, twigs, silk, or debris (Rhainds et al., 2009). The adult males usually have a fuscous appearance, their thoraxes can be furry, and their wings can have transparent areas that have no scales on it. Male adults nearly always rest in still, but when they take off, their flight pattern is similar to hummingbirds or clearwing moths. Most female bagworm adults are wingless or even legless, they pupae in the case, mate in the case, lay eggs in the case and even die in the case (Davis, 1964). Psychids caterpillars are quite difficult to rear, their larval stages are much longer than other moths and their cases make them susceptible to fungi infection in artificial environment. Add to the fact that the adult males are short lived and difficult to collect via light-trap, these situations made the Psychidae family poorly studied. In China, the Psychidae family is also poorly studied, most of the literatures on Chinese Psychidae are in other languages, systematic research on this family had never been conducted before, thus no catalogues on Chinese Psychidae have ever been made. In order to fill this gap, we conducted a literature survey and studied the Psychidae

collections in National Zoological Museum of China and Natural History Museum in London to generate this catalogue of 59 species in 35 genera of Psychidae in China, among them, *Metisa atra* Joannis, 1929 and *Pteroma pendula* (Joannis, 1929) are newly recorded to China. The valid taxa are all listed in an alphabetical order under their subfamilies. The references for each species and known synonyms are given. The distribution of each species is also provided.

Psychidae Boisduval, 1829

*Eur. Lepid. Index meth.*, 44

Psychoidae Agassiz, 1848, *Nomencl. zool.*, 905

Canephoridae Herrich-Schäffer, 1853, *Syst. Bearb. Schmett. Europ.*, 5, 17

Animulina Herrich-Schäffer, 1855, *Syst. Bearb. Schmett. Europ.*, 6, 83

Micropsychiniidae Gómez Bustillo, 1979, *SHILAP Revta. lepid.*, 8, 107

Oiketicinae Herrich-Schäffer, 1855

*Syst. Bearb. Schmett. Eur.*, 6, 83

Chaliinae Hampson, 1893, *Moths*, 1, 290, 300

Empedopsychinae Tutt, 1900, *Nat. Hist. Br. Lepid.*, 2, 274

Oreopsychinae Tutt, 1900, *Nat. Hist. Br. Lepid.*, 2, 274, 337, 414, 415, 417

Moffatiinae Strand, 1912, *Gross-Schmett. Erde*, 2, 369

Heccmeyerianae Hampson, 1918, *Novit. Zool.*, 25, 385

Heckmeyeriinae Hampson, 1918, *Novit. Zool.*, 25, 385

Leptopteriginae Hampson, 1918, *Novit. Zool.*, 25, 385

Oiketicoidinae Strand, 1929, *Lepid. cat.*, 34, 99

Megalophaninae Bourgogne, 1961, *Alexanor*, 2, 80

*Acanthoecia* Joannis, 1929

*Ann. Soc. ent. France*, 98, 540

*Acanthoecia larminati* (Heylaerts, 1904)

*Chalia larminati* Heylaerts, 1904, *Ann. Soc. ent. Belg.*, 48, 419

*Chalia larminati* Heylaerts, 1906, *Ann. Soc. ent. Belg.*, 50, 101

*Acanthoecia larminati* (Heylaerts): Joannis, 1929, *Ann. Soc. ent. Fr.*, 98, 540

Distribution: China (Guangdong, Guangxi, Yunnan), Vietnam, India, Myanmar, Thailand, Sumatra.

*Acanthopsyche* Heylaerts, 1881

*Ann. Soc. ent. Belg.*, 25, 66, 70

*Hemilipia* Hampson, 1897, *J. Bombay Nat. Hist. Soc.*, 11(2), 285

*Acanthopsyche bipars* (Walker, 1865)

*Perina bipars* Walker, 1865, *List Spec. Lep. Ins., Brit. Mus.*, 32(2), 406

*Acanthopsyche bipars* (Walker): Hampson, 1893, *Ill. typical Spec. Lep. Het. Colln Br. Mus.*, 9, 293

Distribution: China (Beijing, Hebei, Henan, Hunan, Liaoning, Shandong, Zhejiang), Nepal, Japan, India, Myanmar.

*Acanthopsyche iliensis* Wehrli, 1928

*Acanthopsyche iliensis* Wehrli, 1928, *Int. ent. Zs.*, 21, 455

Distribution: China (Xinjiang), Kazakhstan.

*Acanthopsyche muralis* Hättenschwiler, 2004

*Acanthopsyche muralis* Hättenschwiler, 2004, *Nota lepid.*, 27(1), 72

Distribution: China (Beijing, Hebei).

*Acanthopsyche nigraplaga* (Wileman, 1911)

*Oiketicoides nigraplaga* Wileman, 1911, *Trans. ent. Soc. Lond.*, 1911(2), 347

*Acanthopsyche nigraplaga* (Wileman): Strand, 1929, *Lepid. cat.*, 34, 160, 100

Distribution: China (Beijing, Hebei, Jiangxi, Liaoning, Shandong), Japan, India, South Korea.

*Amatissa* Walker, 1862

*J. Proc. Linn. Soc. Lond.*, 6, 138

*Lansdownia* Heylaerts, 1881, *Bull. Soc. ent. Belg.*, 25, 66

*Amatissa snelleni* (Heylaerts, 1890)

*Kophene snelleni* Heylaerts, 1890, *Bull. Soc. ent. Belg.*, 34, 12

*Amatissa snelleni* (Heylaerts): Gaede, 1932, *Gross-Schmett. Erde*, 10, 740

Distribution: China (Guangxi, Hunan, Yunnan), India.

*Aspinoides* Kozhanchikov, 1960

*Ent. Obozr.*, 39(3), 683

*Aspinoides luteiventris* (Kozhanchikov, 1960)

*Aspina luteiventris* Kozhanchikov, 1960, *Ent. Obozr.*, 39(3), 685

*Aspinoides luteiventris* (Kozhanchikov): Sobczyk, 2011, *World Cat. of Ins.*, 10, 61

Distribution: China (Yunnan).

*Canephora* Hübner, [1822]

*Syst.-alph. Verz.*, 68, 71, 72-76, 78-80

*Lepidopsycus* Newman, 1850. *Zoologist*, 8(App.), 101

*Canephora asiatica* (Staudinger, 1887)

*Psyche unicolor* var. *asiatica* Staudinger, 1887, *Stett. Ent. Ztg.*, 48(1-3), 94

*Canephora asiatica* (Staudinger): Strand, 1912, *Gross-Schmett. Erde*, 2, 356

Distribution: China (Fujian, Jiangxi, Taiwan), Turkey, Uzbekistan, Japan.

*Canephora hirsuta* (Poda, 1761)

*Tenthredo hirsuta* Poda, 1761, *Ins. Mus. Graecensis*, 102

*Phryganea dubia* Scopoli, 1763, *Ent. Carn.*, 268

*Phalaena (Bombyx) unicolor* Hufnagel, 1766, *Berlin. Magazin.*, 2(4), 418

*Phalaena xylophthorum* Pallas, 1767, *Nova Acta Acad. Nat. Curios.*, 430

*Tinea graminella* [Denis & Schiffermüller], 1775, *Ank. Syst. Schmett. Wien.*, 133

*Bombyx vestita* Fabricius, 1775, *Syst. Ent.*, 586

*Phalaena (Bombyx) atra* Goeze, 1780, *Ent. Beyträge*, 3(2), 341

*Tinea fasciculifera* Geoffroy, 1785, *Ent. parisiensis*, 2, 335

*Phalaena furva* Borkhausen, 1790, *Naturges. Eur. Schmett.*, 3, 282

*Psyche quercus* Schrank, 1802, *Fauna Boica*, 2(2), 93

*Psyche hieracii* Latreille, 1809, *Gen. Crust. Ins.*, 4, 219

*Tinea vestitella* Hübner, [1825], *Verz. bek. Schmett.*, (23-27), 399

*Psiche paleiferella* Bruand, 1850, *Mém. Soc. Doubs*, 3, 56

*Psyche graminella* var. *paleiferella* Bruand, 1853, *Mém. Soc. Doubs*, 3, 55

*Psyche unicolor* var. *asiatica* Staudinger, 1887, *Stett. Ent. Ztg.*, 48(1-3), 94

*Psyche unicolor* var. *asiatica* Grum-Grshimailo, 1890, *Mém. Lép.*, 4, 546

*Lepidopsyche unicolor* Kozhanchikov, 1956, *Fauna SSSR, Lep.*, 3(2), 384

*Canephora unicolor unicolor* de Freina, 1994, *Atalanta*, 25(1/2), 329

*Canephora hirsutella* Weidlich, 1997, *Mitt. Säch. Ent.*, 3

Distribution: China (Hubei, Sichuan, Hebei), Albania, Austria, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Slovakia, Spain, Sweden, Switzerland, Turkey, Macedonia, Russia, Armenia, Georgia, Kazakhstan, Uzbekistan, Slovenia, Ukraine.

*Chaliodes* Swinhoe, 1892

*Cat. Het. Mus. Oxford* (1), 227

*Chaliodes ferevitrea* Joannis, 1929

*Chaliodes ferevitrea* Joannis, 1929, *Ann. Soc. ent. Fr.*, 98, 547

Distribution: China (Guangxi), Thailand, Vietnam, India.

*Chaliodes kondonis* Kondo, 1922

*Chaliodes kondonis* Kondo, 1922, *Byōchūgai Zasshi*, 9, 126-137, 178-188, 244-254, 309-317, 348-360

Distribution: China (Jiangxi), Japan.

*Chaliodes nakatomii* Seino, 1980

*Chaliodes nakatomii* Seino, 1980, *Tinea*, 10(31), 313

Distribution: China (Taiwan).

*Dappula* Moore, [1883]

*Lepid. Ceylon*, 2(2), 103

*Dappula tertius* (Templeton, 1847)

*Oiketicus tertius* Templeton, 1847, *Trans. Ent. Soc. Lond.*, 5, 39

*Oiketicus templetonii* Westwood, 1855, *Proc. Zool. Soc. Lond.*, 22, 234

*Oiketicus ulias* Lower, 1899, *Proc. Linn. Soc. New South Wales*, 24, 83

Distribution: China (Hong Kong), India, Sri Lanka, Malaysia, Indonesia (Sumatra, Java, Borneo, Sarawak), Sabah, Australia, Solomon Islands.

*Eucalyptipsyche* Yang, 1997

*Natural Enemies of Insecta*, 19(4), 152

*Eucalyptipsyche citriodora* Yang, 1997

*Eucalyptipsyche citriodora* Yang, 1997, *Natural Enemies of Insecta*, 19(4), 152-155

Distribution: China (Guangdong).

*Eumeta* Walker, 1855

*List Spec. Lepid. Insects Colln Br. Mus.*, 4, 927, 964

*Clania* Kozhanchikov, 1956, *Fauna SSSR, Lep.*, 3(2), 388

*Eumeta cramerii* (Westwood, 1854)

*Oiketicus cramerii* Westwood, 1854, *Proc. Zool. Soc. Lond.*, 22, 236, pl. 37, fig. 4

*Cryptothlea consorta* Walker, 1855, *List Spec. Lep. Ins., Brit. Mus.*, 4(2), 970

*Eumeta nietneri* Felder, 1874, *Reise Fregatte Novara*, 2 (Abth. 2) (4), pl. 83, fig. 21

*Eumeta cramerii* (Westwood): Swinhoe, 1892, *Cat. Het. Mus. Oxford*, 2, 225

Distribution: China (Jiangxi), Myanmar, India, Sri Lanka, Nepal.

*Eumeta minuscula* Butler, 1881

*Eumeta minuscula* Butler, 1881, *Trans. Ent. Soc. London*, 1881(1), 22

Distribution: China (E. China), Japan, Malaysia, Thailand, India.

*Eumeta variegatus* (Snellen, 1879)

*Oeceticus variegatus* Snellen, 1879, *Tijdschr. Ent.*, 22, 114, pl. 9, fig. 6, 6a-d

*Eumeta maxima* Butler, 1882, *Ann. Mag. Nat. Hist.* (5) 10(57), 228

*Eumeta layardii* Moore, [1883], *Lepid. Ceylon*, 2(2), 102, pl. 118, fig. 2

*Eumeta japonica* Heylaerts, 1884, *Bull. Soc. ent. Belg.*, 28, 40

*Eumeta variegatus* (Snellen): Heylaerts, 1884, *Notes Leyden Museum*, 6, 130

*Eumeta pryeri* Leech, [1889], *Proc. zool. Soc. Lond.*, 1888, 598

*Eumeta sikkima* Moore, 1891, *Indian Mus. Notes*, 2, 67

*Eumeta wallacei* Swinhoe, 1892, *Cat. Het. Mus. Oxford* (1), 226

*Eumeta javanica* Swinhoe, 1892, *Cat. Het. Mus. Oxford* (1), 226

*Clania sciogramma* Turner, 1914, *Trans. R. Soc. S. Austr.*, 38, 247

*Clania wallacei* var. *bougainvillea* Strand, 1914, *Lepid. Niepeliana* (1), 21, pl. 11, fig. 17

*Clania formosicola* Strand, 1915, *Suppl. Ent.*, 4, 12

Distribution: China (E. China, S. China), Nepal, India (Sikkim), Indonesia (Borneo, Java, Sumatra, Sulawesi), Papua New Guinea, Philippines, Sri Lanka, Vietnam, Solomon Islands, Australia.

*Kotochalia* Sonan, 1935

*Trans. Nat. Hist. Soc. Formosa*, 25, 449

*Kotochalia shirakii* Sonan, 1935

*Kotochalia shirakii* Sonan, 1935, *Trans. Nat. Hist. Soc. Formosa*, 25, 450

Distribution: China (Taiwan).

*Mahasena* Moore, 1877

*Proc. zool. Soc. Lond.*, 1877(3), 601

*Plateumeta* Butler, 1881, *Trans. Ent. Soc. London*, 1881(1), 23

*Mahasena andamana* Moore, 1877

*Mahasena andamana* Moore, 1877, *Proc. zool. Soc. Lond.*, 1877(3), 601

Distribution: China (Liaoning), India.

*Mahasena aurea* (Butler, 1881)

*Plateumeta aurea* Butler, 1881, *Trans. Ent. Soc. Lond.*, 1881(1), 23

*Mahasena nitobei* Matsumura, 1931, *6000 Illust. Insects Japan-Empire*, 1010, fig. 1835

Distribution: China (Tibet), Japan.

*Mahasena hockingi* Moore, 1888

*Mahasena hockingi* Moore, 1888, *Proc. zool. Soc. Lond.*, 1888, 397

Distribution: China (Tibet), India.

*Mahasena kotoensis* Sonan, 1935

*Mahasena kotoensis* Sonan, 1935, *Trans. Nat. Hist. Soc. Formosa*, 25, 451

Distribution: China (Taiwan).

*Mahasena oolona* Sonan, 1935

*Mahasena oolona* Sonan, 1935, *Trans. Nat. Hist. Soc. Formosa*, 25, 450, figs 6, 6a

Distribution: China (Taiwan).

*Mahasena theivora* (Dudgeon, 1905)

*Acanthopsyche (Metisa) theivora* Dudgeon, 1905, *J. Bombay nat. Hist. Soc.*, 16(3), 400

*Mahasena theivora* (Dudgeon): Gaede, 1932, *Gross-Schmett. Erde*, 10, 732

Distribution: China (Taiwan), India, Nepal.

*Mahasena yuna* Chao, 1982

*Mahasena yuna* Chao, 1982, *Acta Ent. Sinica*, 25(4), 439

Distribution: China (Beijing).

*Manatha* Moore, 1877

*Ann. Mag. nat. Hist.* (4) 20(118), 346.

*Eumetisa* Sonan, 1935, *Trans. Nat. Hist. Soc. Formosa*, 25, 454

*Manatha taiwana* (Sonan, 1935)

*Acanthopsyche (Eumetisa) taiwana* Sonan, 1935, *Trans. Nat. Hist. Soc. Formosa*, 25, 454

*Manatha taiwana* (Sonan): Sugimoto & Saigusa, 2001, *Ent. Sci.*, 4(4), 410, 407-430

Distribution: China (Taiwan), Japan.

*Nipponopsyche* Yazaki, 1926

*Bull. Kagoshima Imp. Coll. Agric. Forest.*, 6, 163-182

*Nipponopsyche fuscescens* Yazaki, 1926

*Nipponopsyche fuscescens* Yazaki, 1926, *Bull. Kagoshima Imp. Coll. Agric. Forest.*, 6, 163-182

Distribution: China (N. E. China), Japan, Korea.

*Oiketicoides* Heylaerts, 1881

*Ann. Soc. ent. Belg.*, 25, 66 (key), 70

*Amictoides* Gerasimov, 1937, *Zool. Anz.*, 120, 14

*Amictiodes* Bourgogne, 1949, *Bull. Soc. ent. Fr.*, 54(7), 100

*Paramictoides* Koçak, 1980, *Nota lepid.*, 2(4), 145

*Oiketicoides orophila* (Wehrli, 1928)

*Acanthopsyche orophila* Wehrli, 1928, *Int. Ent. Zs.*, 21, 455

*Oiketicoides orophila* (Wehrli): Sauter & Hättenschwiler, 1991, *Nota lepid.*, 14, 83

Distribution: China (Xinjiang).

*Eopsyche* Kozhanchikov, 1960

*Ent. Obozr.*, 39(3), 686

*Eopsyche vitripennis* Kozhanchikov, 1960

*Eopsyche vitripennis* Kozhanchikov, 1960, *Ent. Obozr.*, 39(3), 687, figs. 7-10

Distribution: China (Yunnan).

*Megalophanes* Heylaerts, 1881

*Ann. Soc. ent. Belg.*, 25, 67 (key), 71

*Megalophanes takahashii* (Sonan, 1935)

*Psyche (Eurycttarus) takahashii* Sonan, 1935, *Trans. Nat. Hist. Soc. Formosa*, 25, 454

*Megalophanes takahashii* (Sonan): Sauter & Hättenschwiler, 1991, *Nota lepid.*, 14, 87

Distribution: China (Taiwan).

*Oiketicus* Guilding, 1827

*Trans. linn. Soc. Lond.*, 15(2), 373

*Oeceticus* Harris, 1841, *Rep. Insects Mass. injurious to Vegen*, 298

*Paraoketicus* Davis, 1964, *Bull. U. S. natn. Mus.*, 244, 103

*Oiketicus immanis* Sobczyk, 2008

*Oiketicus immanis* Sobczyk, 2008, *Ent. Zeit.*, 118(5), 195, figs 1-3, 25

Distribution: China (Tibet), India (Sikkim, Assam, West Bengal).

*Metisinae* Dierl, 1971

*Ergebn. Forsch. Unterh. Nepal Himalaya*, 4(1), 58

*Brachycyrtarus* Hampson, [1893]

*Fauna Br. India (Moths)* 1, 295

*Brachycyrtarus* Hampson, 1893, *Ill. typical Spec. Lep. Het. Colln Br. Mus.*, 9, 64

*Brachycyrtarus fuscus* Dierl, 1971

*Brachycyrtarus fuscus* Dierl, 1971, *Ergebn. Forsch. Unterh. Nepal Himalaya*, 4(1), 64

Distribution: China (Hunan).

*Brachycyrtarus subteralbata* Hampson, 1893

*Acanthopsyche subteralbata* Hampson, 1893, *J. Bombay nat. Hist. Soc.*, 11(2), 295

Distribution: China (Guangdong, Guangxi), Sri Lanka, India, Bangladesh.

*Metisa* Walker, 1855

*List Spec. Lepid. Insects Colln Br. Mus.*, 4, 957

*Semimanatha* Janse, 1923, *Ann. Natal Mus.*, 4, 137

*Metisa atra* Joannis, 1929

*Metisa atra* Joannis, 1929, *Ann. Soc. ent. Fr.*, 98, 546, pl. 5 fig. 6

Distribution: China (Guangxi), Vietnam. **New record to China.**

*Metisa saccharivora* (Sonan, 1935)

*Acanthopsyche (Metisa) saccharivora* Sonan, 1935, *Trans. Nat. Hist. Soc. Formosa*, 25, 453

Distribution: China (Taiwan).

*Pteroma* Hampson, [1893]

*Fauna Br. India (Moths)*, 1, 296

*Cremastopsyche* Joannis, 1929, *Ann. Soc. ent. Fr.*, 98, 544

*Pteroma pendula* (Joannis, 1929)

*Cremastopsyche pendula* Joannis, 1929: *Ann. Soc. ent. Fr.*, 98, 545, pl. 3 fig. 7, pl. 6, fig. 8

*Pteroma pendula* (Joannis): Dierl, 1971, *Ergebn. Forsch. Unterh. Nepal Himalaya*, 4, 70

Distribution: China (Guangxi), Vietnam, Malaysia, Indonesia. **New record to China.**

*Pteroma nipae* (Bourgogne, 1937)

*Acanthopsyche (Cremastopsyche) nipae* Bourgogne, 1937, *Bull. Soc. ent. Fr.*, 42(4), 55

*Pteroma nipae* (Bourgogne): Dierl, 1971, *Ergebn. Forsch. Unterh. Nepal Himalaya*, 4, 71

Distribution: China (Guangdong), Vietnam.

*Pteroma postica* Sonan, 1935

*Acanthopsyche (Pteroma) postica* Sonan, 1935, *Trans. Nat. Hist. Soc. Formosa*, 25, 452

*Pteroma postica* (Sonan): Dierl, 1971, *Ergebn. Forsch. Unterh. Nepal Himalaya*, 4, 68  
Distribution: China (Taiwan).

*Pteroma dealbata* Dierl, 1971

*Pteroma dealbata* Dierl, 1971, *Ergebn. Forsch. Unterh. Nepal Himalaya*, 4, 68  
Distribution: China (Liaoning).

*Psychinae* Boisduval, 1829

*Eur. Lep. Index Method.*, 1829, 44

*Saccophorae* Guenée, 1875, *Lépidoptères*, 55

*Fumeinae* Tutt, 1900, *Nat. His. Br. Lepid.*, 2, 276, 299, 432

*Fumariinae* Hampson, 1918, *Novit. zool.*, 25, 385

*Bacotia* Tutt, 1899

*Ent. Rec. J. Var.*, 11, 207

*Bacotia claustrella* (Bruand, 1845)

*Psyche claustrella* Bruand, 1845, *Mém. Soc. Doubs*, 2 (1, livr. 1-2), 66

*Psyche sepium* Speyer & Speyer, 1846, *Isis*, 1846(1), 31

*Solenobia tabulella* Guenée, 1846, *Ann. Soc. ent. Fr.*, (2) 4, 11

*Epichnopteryx sepiella* Herrich-Schäffer, 1862, *Syst. Verzeich. Eur. Schmet.*, 26

*Bacotia claustrella* (Bruand): Leraut, 1984, *Entomol. gallica*, 1(2), 67

Distribution: China (Hainan), Austria, Belgium, Bulgaria, Czech Republic, Denmark, France, Germany, Hungary, Italy, Luxemburg, Netherlands, Poland, Romania, Russia, Slovakia, Sweden, Switzerland, United Kingdom, Slovenia.

*Proutia* Tutt, 1899

*Ent. Rec. J. Var.*, 11, 211

*Anaprotzia* Lewin, 1949, *Ent. Tidskr.*, 70, 159

*Proutia chinensis* Hättenschwiler & Chao, 1990

*Proutia chinensis* Hättenschwiler & Chao, 1990, *Nota lepid.*, 12(4), 263

Distribution: China (Zhejiang).

*Psyche* Schrank, 1801

*Fauna Boica*, 2(1), 156

*Fumaria* Haworth, 1811, *Lepid. Britannica* (3), 473

*Fumea* Haworth, 1812, *Trans. Ent. Soc. Lond.*, 1, 340

*Saccofera* Sodoffsky, 1837, *Bull. Soc. imp. Nat. Moscou*, 1837(6), 95

*Masonrya* Tutt, 1900, *Ent. Rec. J. Var.*, 12, 20

*Psyche hedini* (Caradja, 1935)

*Fumea hedini* Caradja, 1935, *Ark. Zool.*, 27A(8), 4

*Psyche hedini* (Caradja): Sauter & Hättenschwiler, 1991, *Nota lepid.*, 14, 79

Distribution: China (Xinjiang).

*Psyche semnodryas* (Meyrick, 1922)

*Fumea semnodryas* Meyrick, 1922, *Exotic Microlep.*, 2(19), 604

*Psyche semnodryas* (Meyrick): Sauter & Hättenschwiler, 1991, *Nota lepid.*, 14, 62

Distribution: China (Shanghai).

*Tayalopsyche* Sugimoto & Saigusa, 2002  
*Trans. lepid. Soc. Japan*, 53(4), 216

*Tayalopsyche spinidomifera* Sugimoto & Saigusa, 2002  
*Tayalopsyche spinidomifera* Sugimoto & Saigusa, 2002, *Trans. lepid. Soc. Japan*, 53(4), 218  
Distribution: China (Taiwan).

*Striglocyrbasia* Sugimoto & Saigusa, 2001  
*Tinea*, 16(5), 328

*Striglocyrbasia meguae* Sugimoto & Saigusa, 2001  
*Striglocyrbasia meguae* Sugimoto & Saigusa, 2001, *Tinea*, 16(5), 330  
Distribution: China (Taiwan), Japan.

*Ilygenes* Meyrick, 1938  
*Dt. ent. Z. Iris*, 52, 27

*Ilygenes intracacta* Meyrick, 1938  
*Ilygenes intracacta* Meyrick, 1938, *Dt. ent. Z. Iris*, 52, 27  
Distribution: China (Yunnan).

*Epichnopteroinginae* Tutt, 1900  
*Nat. Hist. Br. Lepid.*, 2, 102, 337, 338, 432, 433  
Bijugidi Tutt, 1900, *Nat. Hist. Br. Lepid.*, 2, 337, 432  
Stichobasinae Strand, 1927, *Ent. Jahrbuch*, 36, 130

*Bijugis* Heylaerts, 1879  
*Ann. Soc. ent. Belg.*, 22(Bull), 139  
*Bijugis* Heylaerts, 1881, *Ann. Soc. ent. Belg.*, 25, 68 (key), 72

*Bijugis proxima* (Lederer, 1853)  
*Fumea proxima* Lederer, 1853, *Verh. zool.-bot. Ver. Wien*, 3, 386  
*Psyche ledereriella* Bruand, 1853, *Mém. Soc. ent. Doubs* (2)3, 84  
*Bijugis proxima* (Lederer): Heylaerts, 1883, *Ann. Soc. ent. Belg.*, 25 (Bull), 72  
Distribution: China (Xinjiang), Kazakhstan, Russia.

*Psychidopsis* Kozhanchikov, 1956  
*Fauna SSSR, Lep.*, 3(2), 301

*Psychidopsis alpherakii* (Heylaerts, 1883)  
*Fumea rouasti* Alpheraky, 1882 nec Heylaerts, 1879, *Hor. Soc. Ent. Ros.*, 8, 34  
*Bijugis alpherakii* Heylaerts, 1883, *Ann. Soc. ent. Belg.*, 27 (Bull), 47  
*Psychidopsis alpherakii* (Heylaerts): Kozhanchikov, 1956, *Fauna SSSR, Lep.*, 3(2), 302  
Distribution: China (Xinjiang), Kazakhstan.

*Psychidopsis flavescens* (Heylaerts, 1879)  
*Epichnopteryx flavescens* Heylaerts, 1879, *Ann. Soc. ent. Belg.*, 22 (Bull), 138  
*Psychidopsis flavescens* (Heylaerts): Kozhanchikov, 1956, *Fauna SSSR, Lep.*, 3(2), 303  
Distribution: China (Xinjiang), Russia.

*Psychidopsis flavesiensis kuldchaensis* (Heylaerts, 1883)

*Epichnopteryx flavesiensis* var. *kuldchaensis* Heylaerts, 1883, *Ann. Soc. ent. Belg.*, 27 (Bull), 48  
Distribution: China (Xinjiang).

*Taleporiinae* Herrich-Schäffer, 1857

*Samml. Neuer oder wenigen bekannt. Aussereurop. Schmett.*, 1, 58

*Sapheneutis* Meyrick, 1907

*J. Bombay nat. Hist. Soc.*, 18(1), 155

*Sapheneutis cineracea* Meyrick, 1914

*Sapheneutis cineracea* Meyrick, 1914, *Suppl. Ent.*, 3, 59

Distribution: China (Taiwan).

*Struthisca* Meyrick, 1905

*J. Bombay nat. Hist. Soc.*, 16(4), 614

*Struthisca megophthalma* (Meyrick, 1932)

*Ctenocompa megophthalma* Meyrick, 1932, *Exotic Microlep.*, 4(7), 212

*Struthisca megophthalma* (Meyrick): Sobczyk, 2011, *World Cat. of Ins.*, 10, 307

Distribution: China (Sichuan).

*Struthisca ptochodoxa* (Meyrick, 1934)

*Ctenocompa ptochodoxa* Meyrick, 1934, *Dt. Ent. Z. Iris*, 48, 43

*Struthisca ptochodoxa* (Meyrick): Sobczyk, 2011, *World Cat. of Ins.*, 10, 308

Distribution: China (Guangdong).

*Struthisca tumescens* (Meyrick, 1935)

*Ctenocompa tumescens* Meyrick, 1935, *Mat. Microlep. Fauna chin. Prov.*, 93

*Struthisca tumescens* (Meyrick): Sobczyk, 2011, *World Cat. of Ins.*, 10, 308

Distribution: China (Taiwan).

*Taleporia* Hübner, [1825]

*Verz. bek. Schmett.* (23-27), 400.

*Capillaria* Haworth, 1828, *Lepid. Britannica* (4), 522

*Cochleophasia* Curtis, 1834, *British Entomology*, 11, pl. 487

*Solenobia* Duponchel, 1843, in Godart, *Hist. Nat. Lépid. Fr.* (Suppl.) 4, 197

*Taleporia isozopha* Meyrick, 1936

*Taleporia isozopha* Meyrick, 1936, *Dt. ent. Z. Iris*, 50, 159

Distribution: China (Jiangxi).

*Typhoniinae* Herrich-Schäffer, 1857

*Samml. Neuer oder wenigen bekannt. Aussereurop. Schmett.*, 1, 58

*Degia* Walker, 1862

*J. Proc. Linn. Soc. (Zool.)* 6, 177

*Mekla* Swinhoe, 1892, *Cat. Het. Mus. Oxford* (1), 283

*Eusceleta* Meyrick, 1936, *Exotic Microlep.*, 5(2), 56

*Degia imparata* Walker, 1862

*Degia imparata* Walker, 1862, *J. Proc. Linn. Soc. (Zool.)*, 6, 178

*Cossus lepta* West, 1932, *Novit. zool.*, 37, 220

*Eusceletaula immodica* Meyrick, 1936, *Exotic Microlep.*, 5(1), 56  
Distribution: China (Yunnan), Vietnam, Thailand, Malaysia, Indonesia.

*Typhonia* Boisduval, 1834  
*Icon. hist. Lépid. Europ.*, 2, 88  
*Coracia* Hübner, [1819] nec Brisso, 1760, *Verz. bek. Schmett.* (11), 168  
*Melasina* Boisduval, 1840, *Genera Index Eur. Lepid.*, 57

*Typhonia kuldjaensis* (Caradja, 1921)  
*Melasina punctata* var. *kuldjaënsis* Caradja, 1920, *Dt. ent. Z. Iris*, 34(1/2), 165  
*Melasina kuldjaensis* Kozhanchikov, 1956, *Fauna SSSR, Lep.*, 3(2), 169  
*Typhonia kuldjaensis* (Caradja): Hättenschwiler, 2000, *Mitt. Ent. Gesell. Basel*, 50(1), 4  
Distribution: China (Xinjiang), Kyrgyzstan, Kazakhstan.

*Naryciinae* Tutt, 1900  
*Nat. Hist. Br. Lepid.*, 2, 135, 432  
Solenobiidae Tutt, 1900, *Nat. Hist. Br. Lepid.*, 2, 154, 155, 432  
Solenobiidae Tutt, 1900, *Nat. Hist. Br. Lepid.*, 2, 154  
Xysmatodominae Eyer, 1924, *Ann. ent. Soc. Amer.*, 17, 312

*Eosolenobia* Filipjev, 1924  
*Jahrb. Martj. Staatsmus. Minussinsk*, 2(3), 31

*Eosolenobia zouhari* Dierl, 1984  
*Eosolenobia zouhari* Dierl, 1984, *Spixiana*, 7, 65  
Distribution: China (Beijing), Japan, Malaysia, India.

*Narycia* Stephens, 1836  
*Ill. Br. Ent. (Mandibulata)*, 6, 154  
*Narycia* Stephens, 1833, *Nom. Br. Insects* (Edn 2), 118  
Xysmatodoma Zeller, 1852, *Linn. Ent.*, 7, 332, 362  
*Cophosopha* Meyrick, 1937, *Exotic Microlep.*, 5(4-5), 117

*Narycia ranularis* Meyrick, 1922  
*Narycia ranularis* Meyrick, 1922, *Exotic Microlep.*, 2(19), 605  
Distribution: China (Shanghai).

## Acknowledgements

We would like to thank to Dr. Alfried P. Vogler (Natural History Museum, London) and Dr. Donald R. Davis (National Museum of Natural History, Smithsonian Institution) for their kind support. This paper was supported by the National Natural Science Foundation of China (NSFC program No. 3177120040).

## References

- Arnscheid, W. R., & Weidlich, M. (2017). Checklist of European Psychidae. In *Psychidae* (pp. 11-20). Brill.  
Beccaloni, G., Scoble, M., Kitching, I., Simonsen, T., Robinson, G., Pitkin, B., & Hine, A. (2003). *The Global Lepidoptera Names Index (LepIndex)* <https://www.nhm.ac.uk/our-science/data/lepinde/lepinde/>  
Chao, C. L. (1982a). Bagworm Moths, Feeding Habits of Larvae and description of a new Species (Lepidoptera, Psychidae). *Acta Entomologica Sinica*, 25(4), 436-440.  
Chao, C. L. (1982b). Psychidae. In *Iconographia Heterocerorum Sinicorum* (Vol. II, pp. 90-91). Science Press.

- Chao, C. L. (1987). Psychidae. In F. S. Huang (Ed.), *Forest insects of Yunnan* (pp. 859-860). Yunnan Science and Technology Press.
- Chao, C. L., & Zeng, R. (2002). Lepidoptera: Psychidae. In F. S. Huang (Ed.), *Forest Insects of Hainan* (pp. 503-504). Science Press.
- Davis, D. R. (1964). Bagworm moths of the western hemisphere (Lepidoptera: Psychidae). *Bulletin of the United States National Museum*, 244, 1-233.
- Davis, D. R. (1975). A review of the West Indian moths of the family Psychidae with descriptions of new taxa and immature stages. *Smithsonian Contributions to Zoology*, 188, 1-66.
- Hättenschwiler, P. (1997). Die Sackträger der Schweiz (Lepidoptera, Psychidae). *Schmetterlinge und ihre Lebensräume: Arten, Gefährdung, Schutz*, 2, 165-308.
- Hättenschwiler, P. (2004). *Acanthopsyche muralis* sp. n., ein parthenogenetischer Sackträger, aus China und Überblick über die bekannten parthenogenetischen Arten der Psychidae. *Nota lepidopterologica*, 27(1), 71-78.
- Hättenschwiler, P., & Chao, C. L. (1990). A new *Proutia* species from China. *Nota lepidopterologica*, 12(4), 262-268.
- Hua, L. Z. (2005). Lepidoptera. In *List of Chinese Insects* (Vol. 3). Sun Yat-Sen University Press.
- Jiang, C. L., & Zhong, J. M. (1995). Classification of eleven species of Psychidae larvae (Lepidoptera: Psychidae). *Journal of Nanjing Agricultural University*, 18(3), 34-42.
- Kozhanchikov, I. V. (1956). Psychidae. In *Nasekomye tscheschuelrylye, Fauna of the USSR, Lepidoptera, Psychidae*, 2(2), 1-517.
- Rhainds, M., Davis, D. R., & Price, P. W. (2009). Bionomics of bagworms (Lepidoptera: Psychidae). *Annual Review of Entomology*, 54, 209-226.
- Sobczyk, T. (2011). Psychidae (Lepidoptera). In *World Catalogue of Insects*, 10: 1-467. UWA Publishing.
- Sonan, J. (1935). Psychidae of Formosa. *Transactions of the Natural History Society of Formosa*, 25, 448-455.
- Strand, E. (1929). Psychidae. In K. W. v. Dalla Torre & E. Strand (Eds.), *Lepidopterorum Catalogus* (Vol. 34). W. Junk.

Qian-Ju Jia  
Key Laboratory of Zoological Systematics and Evolution  
Institute of Zoology  
Chinese Academy of Sciences  
University of Chinese Academy of Sciences  
Beijing  
R. P. CHINA / P. R. CHINA  
E-mail: qianjujia@gmail.com  
<https://orcid.org/0009-0009-4347-3610>

\*Chun-Sheng Wu  
Key Laboratory of Zoological Systematics and Evolution  
Institute of Zoology  
Chinese Academy of Sciences  
University of Chinese Academy of Sciences  
Beijing  
R. P. CHINA / P. R. CHINA  
E-mail: wucs@ioz.ac.cn  
<https://orcid.org/0000-0002-5689-0220>

\*Autor para la correspondencia / Corresponding author

(Recibido para publicación / Received for publication 14-III-2023)

(Revisado y aceptado / Revised and accepted 13-IV-2023)

(Publicado / Published 30-IX-2023)

**Derechos de autor:** El autor(es). Este es un artículo de acceso abierto distribuido bajo los términos de la Licencia de Reconocimiento 4.0 Internacional de Creative Commons (CC BY 4.0), que permite el uso, distribución y reproducción sin restricciones en cualquier medio, siempre que se cite al autor original y la fuente. / **Copyright:** The author(s). This is an open access article distributed under the terms of the Creative Commons Attribution 4.0 International License (CC BY 4.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.