



Taxonomy & Inventories

Diversity pattern of insects from Macao based on an updated species checklist after 25 years

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Abstract

Background

Insects represent one of the most diverse groups in the organism world with extremely rich species and morphological diversity, playing important roles in natural and city ecosystems. Regional compilation of insect species lists helps to clarify the richness of insect species in a region, enhances our understanding the structure and function of a local ecosystem and promotes the protection and development of insect resources. Moreover, it also serves as a valuable reference for cities with small area, large population and high urbanisation like Macao. Macao (Macau) Special Administrative Region (SAR) is situated at the Pearl River *Delta* on the southeast coast of mainland China. With urban development accelerating at great rate in a quite restricted area, Macao still has rich fauna, within which the insect diversity is surprisingly high.

New information

In this study, we systematically sorted out major references items of manuals or handbooks, monographs, articles, dissertations, official websites and other publicly available information sources about the insects recorded in Macao and, thus, generated a checklist of 15 orders, 166 families, 868 genera, 1,339 species and 118 subspecies. During this process, the preliminarily summarised list was re-examined to eliminate synonyms and invalid species, based on many more extensive literature reviews. Besides, spelling errors of scientific names, authors and years were corrected. Meanwhile, the catalogue revealed a different composition pattern of species diversity between orders from those of the world and China. Even based on the most conservative estimates, the number of insect species in Macao should not be lower than 3,340 species, which hints at the necessity of deeper investigations with adequate collecting in the future to achieve more comprehensive recognition and understanding of Macao's insect biodiversity.

Keywords

biodiversity, insect, checklist, fauna Macao

Introduction

Insects are the most diverse organism groups with dominant number of species on Earth, involving vast ecological niches. They play crucial roles in various ecosystems, including pollination, seed dispersal, decomposition etc. Currently, there are roughly one million known insect species worldwide (Grimaldi and Engel 2005), accounting for around half of all known cellular organisms and about two-thirds of all animal species. Their common ancestor originated in the Middle Ordovician (Wang et al. 2023). Based on recent phylogenetic studies, extant insect orders are currently classified into 27–28 orders (McKenna and Farrell 2010, Ishiwata et al. 2011, Misof et al. 2014, Peters et al. 2014, Wang et al. 2016, Johnson et al. 2018, Wipfler et al. 2019, Wang et al. 2023). The six largest orders are Coleoptera (386,755 species), Diptera (157,971 species), Lepidoptera (157,761 species), Hymenoptera (154,067 species), Hemiptera (107,401 species) and Orthoptera (26,107 species) (Footit and Adler 2017). Based on the existing catalogues, monographs, articles etc., China had close to 100,000 insect species until 2006 and the six largest orders are Coleoptera (23,643 species), Lepidoptera (17,786 species), Diptera (15,404 species), Hymenoptera (12,517 species), Hemiptera (11,973 species) and Orthoptera (2,716 species), respectively (Shen 2015).

Macao Special Administrative Region (SAR) is located in the subtropical region of the southern Pearl River *Delta*, at the intersection of the Chinese mainland and the South China Sea. It falls within the South China entomogeographic region (Shen 2015). It has an area of 33.3 km² and one of the most densely populated places on the planet. The climate of Macao is classified as subtropical maritime monsoon with an average annual

temperature of 22.7°C, a relative humidity of around 82% and a mean annual precipitation of approximately 2030.8 mm (DSEC 2023). The hot and humid climate, combined with its geographical location where water and land meet, provide favourable natural conditions for plant growth and animal foraging in Macao. Despite its small area and highly urbanisation, Macao has a rich insect diversity due to its diverse habitats, including wetlands, shrublands, forests and urban areas (Li et al. 2018, Li 2023). The *Manual de insectos de Macao* authored by Pun and Batalha (1997) is the earliest integrative monograph on the insect fauna of Macao. The authors spent over a decade conducting surveys and compiling a checklist of the insect species in Macao. According to the taxonomy system at that time, it included a total of nine orders, 99 families and 450 species. Since 1996, different scholars have conducted different degrees of research on insect fauna of Macao based on morphology (Table 1), which totally contains 1,269 species names then (not 1,269 species) belonging to eight orders. Additionally, although such research provided a general understanding of the insect fauna in Macao, there still existed numerous fragmented species records, which consisted of considerably valuable information as a total and could not be neglected. Therefore, it is necessary to update the species catalogue of Macao's insect fauna. Apart from that, we hope to raise awareness amongst more experts about diversity patterns of insect in cities like Macao.

Table 1. Specific bibliography of Macao's insects in 1996–2023.		
Author (year)	Order	Species
Easton and Pun (1996)	Lepidoptera	145
Easton and Pun (1997a)	Hemiptera	59
Easton and Pun (1997b)	Lepidoptera	1
Ribeiro (1997)	Diptera	1
Ramos et al. (1997)	Diptera	35
Easton and Liang (2000)	Odonata	27
Qu (2001)	Diptera	37
Ke and Mai (2003)	Diptera	1
Mo et al. (2006)	Orthoptera, Hemiptera, Coleoptera, Lepidoptera, Diptera	62
Yu and Huang (2006)	Diptera	7
Wilson and Xu (2007)	Odonata	8
Mendes and Sousa (2007)	Lepidoptera	75
Sun et al. (2010)	Diptera	2
Xiao (2012)	Blattodea	9
Li et al. (2015)	Odonata	35
Huang et al. (2016)	Lepidoptera	65
Leong et al. (2017)	Hymenoptera	113
Leong (2017)	Hymenoptera	1

Author (year)	Order	Species
Leong et al. (2018)	Hymenoptera	1
Wong and Guénard (2020)	Hymenoptera	6
Brassard et al. (2020)	Hymenoptera	9
Brassard et al. (2021)	Hymenoptera	126
Perissinotto and Clennell (2021)	Coleoptera	11
Lin et al. (2021)	Coleoptera	52
Perissinotto and Lu (2022)	Coleoptera	12
Perissinotto et al. (2023)	Lepidoptera	1
Li (2023)	Lepidoptera	368

Materials and methods

The geographical scope of this work is Macao, which has an area of 33.3 km² and population density as 20,300 inhabitants per km² (DSEC 2023). This catalogue is primarily based on the publicly available literature and online resources. It does not include any information of museums and private collections other than those already present in literature, websites and other publicly available information sources. The specific steps for the compilation of this information are as follows:

1. Gathering all manuals or handbooks, monographs, articles, dissertations, official websites and other publicly available information sources about insects recorded in Macao, preliminarily summarising a list of species mentioned in these sources;
2. As usual, eliminated synonyms and unverifiable species names and supplemented missing information of the author and years in scientific names;
3. Discussing the pattern of insect diversity in Macao, based on the newly-compiled catalogue of insect species. The order names were arranged according to the account of species and the families, genera and species were arranged alphabetically.

Checklist of species from Macao

Order Lepidoptera

Family Arctiidae

Genus *Amata* Fabricius, 1807

Amata atkinsoni (Moore, 1878)

Notes: Li (2023)

Amata germana (Felder & Felder, 1862)

Amata germana subsp. *germana* (Felder & Felder, 1862)

Notes: Easton and Pun (1996)

Amata grotei (Moore, 1871)

Notes: Easton and Pun (1996)

Amata polymita (Sparrman, 1769)

Notes: MBD (2022)

Amata sperbius (Fabricius, 1787)

Notes: Easton (1992)

Genus *Amerila* Walker, 1855

Amerila astreus (Drury, 1773)

Notes: Easton and Pun (1996)

Genus *Argina* Hübner, 1819

Argina astrea (Drury, 1773)

Notes: Easton and Pun (1996)

Genus *Baroa* Moore, 1878

***Baroa vatala* Swinhoe, 1894**

Notes: Li (2023)

Genus *Cretonotos* Hübner, 1819

***Cretonotos gangis* (Linnaeus, 1763)**

Notes: Easton and Pun (1996)

***Cretonotos transiens* (Walker, 1855)**

Notes: Easton and Pun (1996)

Genus *Cyana* Walker, 1854

***Cyana alborosea* (Walker, 1864)**

Notes: Pun and Batalha (1997)

Genus *Eilema* Hübner, 1819

***Eilema hunanica* (Daniel, 1954)**

Notes: Pun and Batalha (1997)

***Eilema vicaria* (Walker, 1854)**

Notes: Pun and Batalha (1997)

Genus *Macrobrochis* Herrich-Schäffer, 1855

***Macrobrochis gigas* (Walker, 1854)**

Notes: Pun and Batalha (1997)

Genus *Miltochrista* Hübner, 1819***Miltochrista striata* (Bremer & Grey, 1853)**

Notes: Pun and Batalha (1997)

Genus *Nyctemera* Hübner, 1820***Nyctemera adversata* (Schaller, 1788)**

Notes: Pun and Batalha (1997)

***Nyctemera lactinia* (Cramer, 1777)**

Notes: Li (2023)

***Nyctemera tripunctaria* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

Genus *Spilarctia* Butler, 1875***Spilarctia bisecta* (Leech, 1888)**

Notes: Pun and Batalha (1997)

***Spilarctia robusta* (Leech, 1899)**

Notes: Pun and Batalha (1997)

Genus *Syntomoides* Hampson, 1893***Syntomoides imaon* (Cramer, 1780)**

Notes: Pun and Batalha (1997)

Genus *Utetheisa* Hübner, 1819***Utetheisa lotrix* (Cramer, 1779)**

Notes: Li (2023)

Family Attevidae

Genus *Atteva* Walker, 1854

Atteva fabriciella (Swederus, 1787)

Notes: Pun and Batalha (1997)

Family Bombycidae

Genus *Ernolatia* Walker, 1862

Ernolatia moorei (Hutton, 1865)

Notes: Pun and Batalha (1997)

Genus *Ocinara* Walker, 1856

Ocinara albicollis (Walker, 1862)

Notes: Pun and Batalha (1997)

Ocinara nitida Chu & Wang, 1993

Notes: DSPA (2022)

Family Cossidae

Genus *Zeuzera* Latreille, 1804

Zeuzera coffeae Nietner, 1861

Notes: Pun and Batalha (1997)

Family Crambidae

Genus *Aethaloessa* Lederer, 1863

Aethaloessa calidalis (Guenée, 1854)

Notes: Li (2023)

***Aethaloessa floridalis* (Zeller, 1852)**

Notes: DSPA (2022)

Genus *Agathodes* Guenée, 1854***Agathodes ostentalis* (Geyer, 1837)**

Notes: Pun and Batalha (1997)

Genus *Anania* Hübner, 1823***Anania coclesalis* (Walker, 1859)**

Notes: Pun and Batalha (1997)

Genus *Ategumia* Amsel, 1956***Ategumia adipalis* (Lederer, 1863)**

Notes: Li (2023)

Genus *Ancylolomia* Hübner, 1825***Ancylolomia japonica* Zeller, 1877**

Notes: Pun and Batalha (1997)

Genus *Bocchoris* Hübner, 1818***Bocchoris inspersalis* (Zeller, 1852)**

Notes: Pun and Batalha (1997)

Genus *Botyodes* Guenée, 1854***Botyodes asialis* Guenée, 1854**

Notes: DSPA (2022)

***Botyodes caldusalis* Walker, 1859**

Notes: DSPA (2022)

***Botyodes diniasalis* (Walker, 1859)**

Notes: Pun and Batalha (1997)

***Botyodes principalis* Leech, 1889**

Notes: Li (2023)

Genus *Bradina* Lederer, 1863***Bradina atopalisis* (Walker, 1858)**

Notes: Li (2023)

Genus *Camptomastix* Warren, 1892***Camptomastix hisbonalis* (Walker, 1859)**

Notes: Li (2023)

Genus *Chilo* Zincken, 1817***Chilo suppressalis* (Walker, 1863)**

Notes: Li (2023)

Genus *Cirrhochrista* Lederer, 1863***Cirrhochrista brizoalis* (Walker, 1859)**

Notes: Pun and Batalha (1997)

***Cirrhochrista kosemponialis* Strand, 1919**

Notes: Pun and Batalha (1997)

Genus *Cnaphalocrocis* Lederer, 1863***Cnaphalocrocis limbalis* (Wileman, 1911)**

Notes: Li (2023)

***Cnaphalocrocis medinalis* (Guenée, 1854)**

Notes: Pun and Batalha (1997)

Genus *Cotachena* Moore, 1885***Cotachena histricalis* (Walker, 1859)**

Notes: Pun and Batalha (1997)

Genus *Conogethes* Meyrick, 1884***Conogethes punctiferalis* (Guenée, 1854)**

Notes: Li (2023)

Genus *Crypsitya* Meyrick, 1934***Crypsitya coclesalis* (Walker, 1859)**

Notes: Pun and Batalha (1997)

Genus *Diaphania* Hübner, 1818***Diaphania annulata* (Fabricius, 1794)**

Notes: Pun and Batalha (1997)

***Diaphania bicolor* (Swainson, 1821)**

Notes: Pun and Batalha (1997)

***Diaphania bivitalis* Guenée, 1854**

Notes: Pun and Batalha (1997)

***Diaphania indica* (Saunders, 1851)**

Notes: Pun and Batalha (1997)

Genus *Diasemia* Hübner, 1825***Diasemia accalis* (Walker, 1859)**

Notes: Li (2023)

Genus *Epipagis* Hübner, 1825***Epipagis cancellalis* (Zeller, 1852)**

Notes: Easton and Pun (1996)

Genus *Euclasta* Lederer, 1855***Euclasta defamatalis* Walker, 1859**

Notes: Pun and Batalha (1997)

***Euclasta vitralis* Maes, 1997**

Notes: Li (2023)

Genus *Eurrhyarodes* Snellen, 1880***Eurrhyarodes bracteolalis* (Zeller, 1852)**

Notes: Li (2023)

Genus *Glyphodes* Guenée, 1854***Glyphodes bicolor* (Swainson, 1821)**

Notes: Li (2023)

***Glyphodes bivitalis* (Guenée, 1854)**

Notes: Li (2023)

***Glyphodes caesalis* Walker, 1859**

Notes: Li (2023)

***Glyphodes canthusalis* (Walker, 1859)**

Notes: Pun and Batalha (1997)

***Glyphodes onychinalis* (Guenée, 1854)**

Notes: Li (2023)

***Glyphodes strialis* (Wang, 1963)**

Notes: Li (2023)

Genus *Haritalodes* Warren, 1890***Haritalodes derogate* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Genus *Hemiscopis* Warren, 1890***Hemiscopis sanguinea* Bänziger, 1987**

Notes: Li (2023)

Genus *Heortia* Lederer, 1863***Heortia vitessoides* (Moore, 1885)**

Notes: Li (2023)

Genus *Herpetogramma* Lederer, 1863***Herpetogramma basalis* (Walker, 1866)**

Notes: Li (2023)

***Herpetogramma cynaralis* (Walker, 1859)**

Notes: Li (2023)

***Herpetogramma licarsialis* (Walker, 1859)**

Notes: Li (2023)

***Herpetogramma luctuosalis* (Guenée, 1854)**

Notes: Pun and Batalha (1997)

***Herpetogramma rudis* Warren, 1892**

Notes: DSPA (2022)

***Herpetogramma submarginalis* (Swinhoe, 1901)**

Notes: Li (2023)

Genus *Hyalobathra* Meyrick, 1885***Hyalobathra coenostolalis* (Snellen, 1890)**

Notes: Li (2023)

***Hyalobathra opheltesalis* (Walker, 1859)**

Notes: Li (2023)

Genus *Hydriris* Meyrick, 1885***Hydriris ornatalis* (Duponchel, 1832)**

Notes: Li (2023)

Genus *Hymenia* Hübner, 1825***Hymenia perspectalis* (Hübner, 1796)**

Notes: Pun and Batalha (1997)

***Hymenia recurvalis* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Genus *Ischnurges* Lederer, 1863***Ischnurges gratiosalis* (Walker, 1859)**

Notes: Li (2023)

Genus *Isocentris* Meyrick, 1887***Isocentris aequalis* (Lederer, 1863)**

Notes: Li (2023)

Genus *Lamprosema* Hübner, 1823***Lamprosema tampiusalis* Walker, 1859**

Notes: DSPA (2022)

Genus *Mabra* Moore, 1885***Mabra charonialis* (Walker, 1859)**

Notes: Li (2023)

***Mabra eryxalis* (Walker, 1859)**

Notes: Li (2023)

Genus *Maruca* Walker, 1859***Maruca testulalis* (Geyer, 1832)**

Notes: Pun and Batalha (1997)

***Maruca vitrata* (Fabricius, 1787)**

Notes: Easton and Pun (1996)

Genus *Nacoleia* Walker, 1859***Nacoleia charesalis* (Walker, 1859)**

Notes: Li (2023)

***Nacoleia commixta* (Butler, 1879)**

Notes: Li (2023)

***Nacoleia tampiusalis* (Walker, 1859)**

Notes: Li (2023)

Genus *Nausinoe* Hübner, 1825***Nausinoe geometralis* (Guenée, 1854)**

Notes: Easton and Pun (1996)

***Nausinoe perspectata* (Fabricius, 1775)**

Notes: Li (2023)

Genus *Nephelobotys* Munroe & Mutuura, 1970***Nephelobotys habisalis* (Walker, 1859)**

Notes: Li (2023)

Genus *Nomophila* Hübner, 1825***Nomophila nocteulla* (Denis & Schiffermüller, 1775)**

Notes: Li (2023)

Genus *Nosophora* Lederer, 1863***Nosophora semitritalis* (Lederer, 1863)**

Notes: Li (2023)

Genus *Notarcha* Meyrick, 1884***Notarcha quatemalis* (Zeller, 1852)**

Notes: Li (2023)

Genus *Nymphula* Schrank, 1802***Nymphula fluctuosalis* Zeller, 1852**

Notes: Pun and Batalha (1997)

Genus *Omiodes* Guenée, 1854***Omiodes indicata* (Fabricius, 1775)**

Notes: DSPA (2022)

Genus *Omphisa* Moore, 1886***Omphisa anastomosalis* Guenée, 1854**

Notes: DSPA (2022)

Genus *Parapoynx* Hübner, 1825***Parapoynx diminutalis* Snellen, 1880**

Notes: Li (2023)

***Parapoynx fluctuosalis* (Zeller, 1852)**

Notes: Li (2023)

Genus *Palpita* Hübner, 1808***Palpita munroei* Inoue, 1996**

Notes: Li (2023)

***Palpita nigropunctalis* (Bremer, 1864)**

Notes: Li (2023)

Genus *Parotis* Hübner, 1831***Parotis angustalis* (Snellen, 1875)**

Notes: Li (2023)

***Parotis suralis* (Lederer, 1863)**

Notes: Li (2023)

Genus *Patania* Moore, 1888***Patania chlorophanta* (Butler, 1878)**

Notes: Li (2023)

Genus *Pleuroptya* Meyrick, 1890***Pleuroptya balteata* (Fabricius, 1798)**

Notes: Li (2023)

Genus *Poliobotys* Shaffer & Munroe, 2007***Poliobotys ablactalis* (Walker, 1859)**

Notes: Li (2023)

Genus *Prophantis* Warren, 1896***Prophantis adusta* Inoue, 1986**

Notes: Li (2023)

Genus *Pseudocatharylla* Bleszynski, 1961***Pseudocatharylla duplicella* (Hampson, 1895)**

Notes: Mo et al. (2006)

***Pseudocatharylla simplex* (Zeller, 1877)**

Notes: DSPA (2022)

Genus *Pycnarmon* Lederer, 1863***Pycnarmon cribrata* (Fabricius, 1794)**

Notes: Li (2023)

Genus *Rehimena* Lederer, 1863***Rehimena phrynealis* (Walker, 1859)**

Notes: Li (2023)

***Rehimena surusalis* (Walker, 1859)**

Notes: Li (2023)

Genus *Sameodes* Snellen, 1880***Sameodes cancellalis* (Zeller, 1852)**

Notes: Pun and Batalha (1997)

Genus *Schoenobius* Duponchel, 1836***Schoenobius gigantellum* (Denis & Schiffermüller, 1775)**

Notes: DSPA (2022)

Genus *Scirpophaga* Treitschke, 1832

***Scirpophaga excerptalis* (Walker, 1863)**

Notes: Li (2023)

***Scirpophaga incertulas* (Walker, 1863)**

Notes: Li (2023)

Genus *Sclerocona* Meyrick, 1890

***Sclerocona acutellus* (Eversmann, 1842)**

Notes: Li (2023)

Genus *Spoladea* Guenée, 1854

***Spoladea recurvalis* (Fabricius, 1775)**

Notes: Li (2023)

Genus *Syllepte* Hübner, 1823

***Syllepte derogata* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Genus *Talanga* Moore, 1885

***Talanga sexpunctalis* (Moore, 1877)**

Notes: Li (2023)

Genus *Tatobotys* Butler, 1880

***Tatobotys biannulalis* (Walker, 1866)**

Notes: Li (2023)

Genus *Thliptoceras* Warren, 1890***Thliptoceras formosanum* Munroe & Mutuura, 1968**

Notes: Li (2023)

Genus *Trichophrsetis* Pagenstecher, 1909***Trichophrsetis cretacea* (Butler, 1879)**

Notes: Li (2023)

Genus *Tryporyza* Common, 1960***Tryporyza nivella* (Fabricius, 1794)**

Notes: Pun and Batalha (1997)

Genus *Tyspanodes* Warren, 1891***Tyspanodes linealis* (Moore, 1867)**

Notes: Li (2023)

Genus *Udea* Guenée, 1845***Udea ferrugalis* (Hübner, 1796)**

Notes: DSPA (2022)

Family Drepanidae**Genus *Drapetodes* Guenée, 1858*****Drapetodes mitaria* Guenee, 1857**

Notes: Li (2023)

Genus *Oreta* Walker, 1855

Oreta hoenei Watson, 1967

Notes: Li (2023)

Family Elachistidae

Genus *Ethmia* Hübner, 1819

Ethmia lineatonotella (Moore, 1867)

Notes: Li (2023)

Family Geometridae

Genus *Abraxas* Leach, 1815

Abraxas nanlingensis Inoue, 2005

Notes: Li (2023)

Abraxas neomartania Inoue, 1970

Notes: Li (2023)

Abraxas plumbeata Cockerell, 1906

Notes: Pun and Batalha (1997)

Genus *Agathia* Guenée, 1858

Agathia lycaenaria (Kollar, 1844)

Notes: Pun and Batalha (1997)

Genus *Antitrygodes* Warren, 1895***Antitrygodes divisaria* (Walker, 1861)*****Antitrygodes divisaria* subsp. *perturbatus* Prout, 1914**

Notes: Li (2023)

Genus *Ascotis* Hübner, 1825***Ascotis selenaria* (Denis & Schiffermüller, 1775)**

Notes: Pun and Batalha (1997)

Genus *Biston* Leach, 1815***Biston marginata* Shiraki, 1913**

Notes: DSPA (2022)

***Biston suppressaria* (Guenée, 1858)**

Notes: Pun and Batalha (1997)

Genus *Chiasmia* Hübner, 1823***Chiasmia emersaria* (Walker, 1861)**

Notes: Pun and Batalha (1997)

***Chiasmia pluviala* (Fabricius, 1798)**

Notes: Li (2023)

Genus *Cleora* Curtis, 1825***Cleora fraterna* (Moore, 1888)**

Notes: Li (2023)

Genus *Dysphania* Hübner, 1819***Dysphania militaris* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

Genus *Dasyboarmia* Prout, 1928***Dasyboarmia subpilosa* (Warren, 1894)**

Notes: DSPA (2022)

Genus *Ectropis* Hübner, 1825***Ectropis crepuscularia* (Denis & Schiffermiiller, 1775)**

Notes: Li (2023)

Genus *Eumelea* Duncan & Westwood, 1841***Eumelea biflavata* Warren, 1896**

Notes: Pun and Batalha (1997)

***Eumelea ludovicata* Guenée, 1857**

Notes: Li (2023)

Genus *Fascellina* Walker, 1860***Fascellina plagiata* (Walker, 1866)**

Notes: Li (2023)

Genus *Herochroma* Swinhoe, 1893***Herochroma cristata* (Warren, 1894)**

Notes: Li (2023)

Genus *Hydrelia* Hübner, 1825***Hydrelia rufigrisea* (Warren, 1893)**

Notes: DSPA (2022)

Genus *Hyposidra* Guenée, 1858***Hyposidra infixaria* (Walker, 1860)**

Notes: Li (2023)

***Hyposidra talaca* (Walker, 1860)**

Notes: Li (2023)

Genus *Idaea* Treitschke, 1825***Idaea impexa* Butler, 1879**

Notes: DSPA (2022)

Genus *Krananda* Moore, 1868***Krananda latimarginaria* Leech, 1891**

Notes: Easton and Pun (1996)

***Krananda straminearia* (Leech, 1897)**

Notes: Li (2023)

Genus *Menophra* Moore, 1887***Menophra tienmuensis* (Wehrli, 1941)**

Notes: Li (2023)

Genus *Nothomiza* Warren, 1894

***Nothomiza flavicosta* Prout, 1914**

Notes: Pun and Batalha (1997)

Genus *Obeidia* Walker, 1862

***Obeidia tigrata* (Guenée, 1857)**

***Obeidia tigrata* subsp. *neglecta* Thierry-Mieg, 1899**

Notes: Pun and Batalha (1997)

Genus *Ourapteryx* Leach, 1814

***Ourapteryx clara* (Butler, 1880)**

Notes: Pun and Batalha (1997)

Genus *Perixera* Meyrick, 1886

***Perixera minorata* (Warren, 1897)**

Notes: Li (2023)

Genus *Pingasa* Moore, 1887

***Pingasa chlora* (Stoll, 1782)**

***Pingasa chlora* subsp. *crenaria* Guenée, 1858**

Notes: Easton and Pun (1996)

***Pingasa chloroides* Galsworthy, 1998**

Notes: Pun and Batalha (1997)

Pingasa ruginaria* (Guenée, 1858)**Pingasa ruginaria* subsp. *pacifica* Inoue, 1964**

Notes: Li (2023)

Genus *Problepsis* Lederer, 1853***Problepsis paredra* Prout, 1917**

Notes: Pun and Batalha (1997)

Genus *Psilalcis* Warren, 1893***Psilalcis breta* (Swinhoe, 1890)**

Notes: Li (2023)

Genus *Pylargosceles* Prout, 1930***Pylargosceles steganioides* (Butler, 1878)**

Notes: Li (2023)

Genus *Ruttellerona* Swinhoe, 1894***Ruttellerona pseudocessaria* Holloway, 1994**

Notes: Li (2023)

Genus *Scopula* Schrank, 1802***Scopula personata* (Prout, 1913)**

Notes: DSPA (2022)

Genus *Thalassodes* Guenée, 1857***Thalassodes immissaria* Walker, 1861**

Notes: DSPA (2022)

Genus *Timandra* Duponchel, 1829

Timandra comptaria Walker, 1863

Notes: Pun and Batalha (1997)

Timandra recompta (Prout, 1930)

Notes: Li (2023)

Genus *Traminda* Saalmüller, 1891

Traminda aventiaria (Guenée, 1857)

Notes: Li (2023)

Family Hesperidae

Genus *Ampittia* Moore, 1881

Ampittia dioscorides (Fabricius, 1793)

Ampittia dioscorides subsp. *etura* (Mabille, 1891)

Notes: MBD (2022)

Genus *Astictopterus* Felder & Felder, 1860

Astictopterus jama Felder & Felder, 1860

Notes: Pun and Batalha (1997)

Genus *Baoris* Moore, 1881

Baoris farri Moore, 1878

Notes: DSPA (2022)

Genus *Borbo* Evans, 1949***Borbo bevani* Moore, 1878**

Notes: DSPA (2022)

***Borbo cinnara* (Wallace, 1866)**

Notes: MBD (2022)

Genus *Caltoris* Swinhoe, 1893***Caltoris bromus* Leech, 1844**

Notes: DSPA (2022)

Genus *Choaspes* Moore, 1881***Choaspes hemixantha* Rothschild & Jordan, 1903*****Choaspes hemixantha* subsp. *furcata* Evans, 1932**

Notes: Easton and Pun (1997b)

Genus *Erionota* Mabille, 1878***Erionota torus* Evans, 1941**

Notes: Pun and Batalha (1997)

Genus *Hasora* Moore, 1881***Hasora anura* De Nicéville, 1889**

Notes: DSPA (2022)

Hasora chromus* (Cramer, 1780)**Hasora chromus* subsp. *chromus* (Cramer, 1780)**

Notes: MBD (2022)

***Hasora vitta* (Butler, 1870)**

***Hasora vitta* subsp. *indica* Evans, 1932**

Notes: MBD (2022)

Genus *Hyarotis* Moore, 1881

***Hyarotis adrastus* (Moore, 1866)**

***Hyarotis adrastus* subsp. *prabus* (Moore, 1866)**

Notes: Pun and Batalha (1997)

Genus *Lotongus* Distant, 1886

***Lotongus saralus* (Nicéville, 1889)**

Notes: MBD (2022)

Genus *Parnara* Moore, 1881

***Parnara ganga* Evans, 1937**

Notes: MBD (2022)

***Parnara guttata* (Bremer & Grey, 1853)**

Notes: MBD (2022)

Genus *Pelopidas* Walker, 1870

***Pelopidas agna* (Moore, 1866)**

***Pelopidas agna* subsp. *agna* (Moore, 1866)**

Notes: MBD (2022)

***Pelopidas assamensis* De Nicéville, 1882**

Notes: DSPA (2022)

***Pelopidas conjuncta* (Herrich-Schäffer, 1869)**

***Pelopidas conjuncta* subsp. *conjuncta* (Herrich-Schäffer, 1869)**

Notes: Pun and Batalha (1997)

***Pelopidas mathias* (Fabricius, 1798)**

***Pelopidas mathias* subsp. *oberthueri* Evans, 1937**

Notes: Pun and Batalha (1997)

Genus *Polytremis* Mabille, 1904

***Polytremis lubricans* (Herrich-Schäffer, 1869)**

Notes: MBD (2022)

Genus *Potanthus* Scudder, 1872

***Potanthus confucius* (Felder & Felder, 1862)**

Notes: MBD (2022)

***Potanthus trachalus* (Mabille, 1878)**

Notes: MBD (2022)

Genus *Tagiades* Hübner, 1819

***Tagiades litigiosa* Möschler, 1878**

***Tagiades litigiosa* subsp. *litigiosa* Möschler, 1878**

Notes: MBD (2022)

Genus *Suastus* Moore, 1881

***Suastus gremius* (Fabricius, 1798)**

***Suastus gremius* subsp. *gremius* (Fabricius, 1798)**

Notes: Pun and Batalha (1997)

Genus *Telicota* Moore, 1881

***Telicota ancilla* (Herrich-Schäffer, 1869)**

***Telicota ancilla* subsp. *horisha* Evans, 1934**

Notes: MBD (2022)

***Telicota colon* (Fabricius, 1775)**

***Telicota colon* subsp. *stinga* Evans, 1949**

Notes: MBD (2022)

***Telicota formosana* Fruhstorfer, 1911**

Notes: Pun and Batalha (1997)

***Telicota ohara* Plötz, 1883**

***Telicota ohara* subsp. *formosana* Fruhstorfer, 1911**

Notes: Easton and Pun (1997b)

Genus *Udaspes* Moore, 1881

***Udaspes folus* (Cramer, 1775)**

Notes: Pun and Batalha (1997)

Family Lasiocampidae

Genus *Dendrolimus* Germar, 1812

Dendrolimus punctatus (Walker, 1855)

Notes: Pun and Batalha (1997)

Genus *Euthrix* Meigen, 1830

Euthrix laeta (Walker, 1855)

Notes: Li (2023)

Genus *Odenestis* Germar, 1812

Odenestis vita Moore, 1859

Notes: Pun and Batalha (1997)

Genus *Trabala* Walker, 1856

Trabala vishnou (Lefebvre, 1827)

Notes: Pun and Batalha (1997)

Family Limacodidae

Genus *Oxyplax* Hampson, 1893

Oxyplax pallivitta (Moore, 1877)

Notes: Li (2023)

Genus *Quasinarosa* Solovyev & Witt, 2009

Quasinarosa corusca (Wileman, 1911)

Notes: Li (2023)

Genus *Thosea* Walker, 1855***Thosea loesa* (Moore, 1860)**

Notes: Pun and Batalha (1997)

***Thosea sinensis* (Walker, 1855)**

Notes: Pun and Batalha (1997)

Family Lycaenidae**Genus *Acytolepis* Toxopeus, 1927*****Acytolepis puspa* (Horsfield, 1828)*****Acytolepis puspa* subsp. *gisca* (Fruhstorfer, 1910)**

Notes: Mendes and Sousa (2007)

***Acytolepis puspa* subsp. *myla* (Fruhstorfer, 1909)**

Notes: Pun and Batalha (1997)

Genus *Arhopala* Boisduval, 1832***Arhopala bazala* (Hewitson, 1862)*****Arhopala bazala* subsp. *teesta* (Nicéville, 1886)**

Notes: MBD (2022)

Genus *Artipe* Boisduval, 1870***Artipe eryx* (Linnaeus, 1771)**

Notes: MBD (2022)

Genus *Catochrysops* Boisduval, 1832***Catochrysops strabo* (Fabricius, 1793)**

Notes: MBD (2022)

Genus *Celastrina* Tutt, 1906***Celastrina lavendularis* (Moore, 1877)**

Notes: Huang et al. 2016

Genus *Chilades* Moore, 1881***Chilades lajus* (Stoll, 1780)**

Notes: MBD (2022)

***Chilades pandava* (Horsfield, 1829)**

Notes: MBD (2022)

Genus *Cigaritis* Donzel, 1847***Cigaritis lohita* (Horsfield, 1829)**

Notes: Pun and Batalha (1997)

Genus *Deudorix* Hewitson, 1863***Deudorix epijarbas* (Moore, 1857)*****Deudorix epijarbas* subsp. *menesicles* Fruhstorfer, 1912**

Notes: Pun and Batalha (1997)

Genus *Euchrysops* Butler, 1900***Euchrysops cnejus* (Fabricius, 1798)**

Notes: MBD (2022)

Genus *Everes* Hübner, 1819***Everes lacturnus* (Godart, 1824)**

Notes: MBD (2022)

Genus *Jamides* Hübner, 1819***Jamides alecto* (Felder, 1860)**

Notes: Huang et al. (2016)

***Jamides bochus* (Stoll, 1782)**

Notes: MBD (2022)

***Jamides celeno* (Cramer, 1775)**

Notes: MBD (2022)

Genus *Iraota* Moore, 1881***Iraota timoleon* (Stoll, 1783)*****Iraota timoleon* subsp. *timoleon* (Stoll, 1783)**

Notes: Pun and Batalha (1997)

Genus *Lampides* Hübner, 1819***Lampides boeticus* (Linnaeus, 1767)**

Notes: MBD (2022)

Genus *Nacaduba* Moore, 1881***Nacaduba kurava* (Moore, 1857)**

Notes: DSPA (2022)

Genus *Neopithecops* Distant, 1884***Neopithecops zalmora* (Butler, 1870)**

Notes: MBD (2022)

Genus *Pseudozizeeria* Beuret, 1955***Pseudozizeeria maha* (Kollar, 1844)*****Pseudozizeeria maha* subsp. *maha* (Kollar, 1844)**

Notes: Pun and Batalha (1997)

Genus *Rapala* Moore, 1881***Rapala manea* (Hewitson, 1863)**

Notes: MBD (2022)

Rapala nissa* (Kollar, 1844)**Rapala nissa* subsp. *nissa* (Kollar, 1844)**

Notes: Pun and Batalha (1997)

Genus *Spindasis* Wallengren, 1857***Spindasis lohita* (Horsfield, 1829)*****Spindasis lohita* subsp. *formosan* (Moore, 1877)**

Notes: Pun and Batalha (1997)

Genus *Tajuria* Moore, 1881***Tajuria cippus* (Fabricius, 1798)**

Notes: DSPA (2022)

Genus *Zeltus* Nicéville, 1889

***Zeltus amasa* (Hewitson, 1869)**

***Zeltus amasa* subsp. *amasa* (Hewitson, 1869)**

Notes: Perissinotto et al. (2023)

Genus *Zizeeria* Chapman, 1910

***Zizeeria karsandra* (Moore, 1865)**

Notes: Yang et al. (2011)

Genus *Zizina* Chapman, 1910

***Zizina otis* (Fabricius, 1787)**

***Zizina otis* subsp. *otis* (Fabricius, 1787)**

Notes: Mendes and Sousa (2007)

Family Lymantriidae

Genus *Aroa* Walker, 1855

***Aroa substrigosa* Walker, 1855**

Notes: Pun and Batalha (1997)

Genus *Dasychira* Hübner, 1809

***Dasychira chekiangensis* Collentte, 1938**

Notes: Li (2023)

Genus *Euproctis* Hübner, 1819

***Euproctis bipunctapex* (Hampson, 1891)**

Notes: Pun and Batalha (1997)

***Euproctis catapasta* Collenette, 1951**

Notes: DSPA (2022)

***Euproctis decussata* (Moore, 1877)**

Notes: Pun and Batalha (1997)

***Euproctis diploxutha* Collenette, 1939**

Notes: Pun and Batalha (1997)

***Euproctis fraterna* (Moore, [1883])**

Notes: Pun and Batalha (1997)

***Euproctis plana* Walker, 1856**

Notes: Li (2023)

***Euproctis scintillans* (Walker, 1856)**

Notes: Pun and Batalha (1997)

***Euproctis straminea* Leech, 1899**

Notes: DSPA (2022)

***Euproctis taiwana* Shiraki, 1913**

Notes: DSPA (2022)

Genus *Lymantria* Hübner, 1819***Lymantria dissoluta* Swinhoe, 1903**

Notes: Li (2023)

***Lymantria serva* (Fabricius, 1793)**

Notes: Pun and Batalha (1997)

Genus *Orgyia* Ochsenheimer, 1810

***Orgyia postica* (Walker, 1855)**

Notes: Pun and Batalha (1997)

Genus *Perina* Walker, 1854

***Perina nuda* (Fabricius, 1787)**

Notes: Pun and Batalha (1997)

Family Metarbelidae

Genus *Indarbela* Fletcher, 1922

***Indarbela dea* (Swinhoe, 1890)**

Notes: Pun and Batalha (1997)

Family Noctuidae

Genus *Adrapsa* Walker, 1859

***Adrapsa quadrilinealis* Wileman, 1914**

Notes: Li (2023)

Genus *Aedia* Hübner, 1823

***Aedia leucomelas* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

Genus *Achaea* Hübner, 1823

***Achaea janata* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

***Achaea serva* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Genus *Acronicta* Ochsenheimer, 1816***Acronicta pruinosa* (Guenée, 1852)**

Notes: Li (2023)

Genus *Agrapha* Hübner, 1821***Agrapha agnata* (Staudinger, 1892)**

Notes: Pun and Batalha (1997)

***Agrapha albostrata* (Bremer & Grey, 1853)**

Notes: Pun and Batalha (1997)

Genus *Agrotis* Ochsenheimer, 1816***Agrotis ipsilon* (Hüfnagel, 1766)**

Notes: Pun and Batalha (1997)

Genus *Athetis* Hübner, 1821***Athetis bipuncta* (Snellen, 1886)**

Notes: Li (2023)

***Athetis nonagricola* (Walker, 1863)**

Notes: Li (2023)

***Athetis reclusa* (Walker, 1862)**

Notes: Li (2023)

***Athetis stellata* (Moore, 1882)**

Notes: Li (2023)

Genus *Amyna* Guenée, 1852***Amyna axis* (Guenée, 1852)**

Notes: Li (2023)

***Amyna punctum* Fabricius, 1794**

Notes: DSPA (2022)

Genus *Analetia* Calora, 1966***Analetia micacea* (Hampson, 1891)**

Notes: Li (2023)

Genus *Anisoneura* Guenée, 1852***Anisoneura aluco* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Genus *Anomis* Hübner, 1821***Anomis flava* (Fabricius, 1775)**

Notes: Li (2023)

***Anomis fulvida* Guenée, 1852**

Notes: DSPA (2022)

***Anomis leucolopha* Prout, 1928**

Notes: Li (2023)

***Anomis mesogona* (Walker, 1858)**

Notes: Pun and Batalha (1997)

Genus *Anuga* Guenée, 1852***Anuga multiplicans* (Walker, 1858)**

Notes: Pun and Batalha (1997)

Genus *Arcte* Kollar, 1844***Arcte coerula* (Guenée, 1852)**

Notes: Li (2023)

Genus *Artena* Walker, 1858***Artena dotata* (Fabricius, 1794)**

Notes: Pun and Batalha (1997)

Genus *Avitta* Walker, 1858***Avitta fasciosa* (Moore, 1882)**

Notes: Li (2023)

Genus *Asota* Hübner, 1819***Asota caricae* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

***Asota plaginota* (Butler, 1857)**

Notes: Li (2023)

***Asota heliconia* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

Genus *Blasticorhinus* Butler, 1893

***Blasticorhinus rivulosa* (Walker, 1865)**

Notes: DSPA (2022)

Genus *Bocula* Guenée, 1852

***Bocula marginata* (Moore, 1882)**

Notes: Li (2023)

Genus *Brithys* Hübner, [1821]

***Brithys crini* (Fabricius, 1775)**

Notes: Li (2023)

Genus *Calloplistria* Hübner, 1821

***Calloplistria albistrigoides* Poole, 1989**

Notes: DSPA (2022)

***Calloplistria albomacula* Leech, 1900**

Notes: Pun and Batalha (1997)

Genus *Calyptra* Ochsenheimer, 1816

***Calyptra minuticornis* (Guenée, 1852)**

Notes: Pun and Batalha (1997)

Genus *Carea* Walker, 1857

***Carea angulata* (Fabricius, 1793)**

Notes: Pun and Batalha (1997)

Genus *Chalciope* Hübner, 1823***Chalciope mygdon* (Cramer, 1777)**

Notes: Pun and Batalha (1997)

Genus *Chasmina* Walker, 1856***Chasmina candida* (Walker, 1865)**

Notes: Li (2023)

Genus *Chlumetia* Walker, 1866***Chlumetia transversa* (Walker, 1863)**

Notes: Pun and Batalha (1997)

***Chlumetia guttiientris* Walker, 1866**

Notes: Li (2023)

Genus *Condica* Walker, 1856***Condica fuliginosa* Leech, 1900**

Notes: DSPA (2022)

Genus *Chrysodeixis* Hübner, 1821***Chrysodeixis eriosoma* (Doubleday, 1843)**

Notes: Li (2023)

Genus *Craniophora* Snellen, 1867***Craniophora fasciata* (Moore, 1884)**

Notes: Li (2023)

Genus *Crithote* Walker, 1864***Crithote pallivaaga* Holloway, 2005**

Notes: Li (2023)

Genus *Dyrzela* Walker, 1858***Dyrzela plagiata* Walker, 1858**

Notes: Li (2023)

Genus *Dysgonia* Hübner, 1823***Dysgonia arcuata* Moore, 1877**

Notes: Pun and Batalha (1997)

***Dysgonia crameri* Moore, 1885**

Notes: Pun and Batalha (1997)

***Dysgonia fulvotaenia* (Guenée, 1852)**

Notes: Pun and Batalha (1997)

***Dysgonia illibata* (Fabricius, 1775)**

Notes: Li (2023)

***Dysgonia joviana* (Stoll, [1782])**

Notes: Li (2023)

***Dysgonia maturata* (Walker, 1858)**

Notes: Pun and Batalha (1997)

***Dysgonia palumba* (Guenee, 1852)**

Notes: Li (2023)

***Dysgonia stuposa* (Fabricius, 1794)**

Notes: Pun and Batalha (1997)

***Dysgonia umbrosa* (Walker, 1865)**

Notes: Li (2023)

Genus *Ecpatia* Turner, 1902***Ecpatia longinquua* (Swinhoe, 1890)**

Notes: Li (2023)

Genus *Entomogramma* Guenée, 1852***Entomogramma faultrix* Guenée, 1852**

Notes: Pun and Batalha (1997)

Genus *Episteme* Hübner, 1820***Episteme lectrix* (Linnaeus, 1764)**

Notes: Pun and Batalha (1997)

Genus *Ercheia* Walker, 1857***Ercheia cyllaria* (Cramer, 1779)**

Notes: Li (2023)

Genus *Erebus* Latrille, 1810***Erebus crepuscularis* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

***Erebus ephesperis* (Hübner, 1823)**

Notes: Li (2023)

Genus *Erygia* Guenée, 1852***Erygia apicalis* Guenée, 1852**

Notes: Li (2023)

Genus *Ericeia* Walker, 1858***Ericeia fraterna* (Moore, 1887)**

Notes: Pun and Batalha (1997)

***Ericeia inangulata* (Guenée, 1852)**

Notes: Li (2023)

***Ericeia pertendens* (Walker, 1858)**

Notes: Li (2023)

***Ericeia subcinerea* (Snellen, 1880)**

Notes: Li (2023)

Genus *Eudocima* Billberg, 1820***Eudocima phalonia* (Linnaeus, 1763)**

Notes: Easton and Pun (1996)

***Eudocima salaminia* (Cramer, 1777)**

Notes: Pun and Batalha (1997)

***Eudocima fullonica* (Clerck, 1764)**

Notes: Pun and Batalha (1997)

***Eudocima homaena* (Hubner, [1823])**

Notes: Li (2023)

Genus *Euplocia* Hübner, 1819***Euplocia membliaria* (Cramer, 1780)**

Notes: Pun and Batalha (1997)

Genus *Eutelia* Hübner, 1823***Eutelia adulatricoides* (Mell, 1943)**

Notes: Li (2023)

Genus *Flammona* Walker, 1863***Flammona trilineata* Leech, 1900**

Notes: Pun and Batalha (1997)

Genus *Grammodes* Guenée, 1852***Grammodes geometrica* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Genus *Hulodes* Guenée, 1852***Hulodes caranea* (Cramer, 1780)**

Notes: Pun and Batalha (1997)

Genus *Hydrillodes* Guenée, 1854***Hydrillodes abavalis* (Walker, 1859)**

Notes: Li (2023)

***Hydrillodes repugnalis* (Walker, 1863)**

Notes: Li (2023)

Genus *Hypena* Schrank, 1802***Hypena albopunctalis* Leech, 1889**

Notes: Li (2023)

***Hypena sagitta* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Genus *Hypocala* Guenée, 1852***Hypocala deflorata* (Fabricius, 1794)**

Notes: Li (2023)

***Hypocala subsatura* Guenée, 1852**

Notes: Pun and Batalha (1997)

***Hypocala violacea* Butler, 1879**

Notes: Li (2023)

Genus *Hypopyra* Guenée, 1852***Hypopyra ossigera* Guenée, 1852**

Notes: Li (2023)

***Hypopyra vespertilio* (Fabricius, 1787)**

Notes: Easton and Pun (1996)

Genus *Hyospila* Guenée, 1852***Hyospila bolinoides* Guenée, 1852**

Notes: Li (2023)

Genus *Ischyja* Hübner, 1823***Ischyja manlia* (Cramer, 1766)**

Notes: Pun and Batalha (1997)

Genus *Lacera* Guenée, 1852***Lacera alope* (Cramer, 1780)**

Notes: Pun and Batalha (1997)

Genus *Laspeyria* Germar, 1810***Laspeyria ruficeps* (Walker, 1864)**

Notes: Li (2023)

Genus *Leucania* Ochsenheimer, 1816***Leucania insularis* Butler, 1880**

Notes: DSPA (2022)

***Leucania loreyi* (Duponchel, 1827)**

Notes: Pun and Batalha (1997)

***Leucania venalba* Moore, 1867**

Notes: Li (2023)

***Leucania yu* Guenee, 1852**

Notes: Li (2023)

Genus *Lopharthrum* Hampson, 1895***Lopharthrum comprimens* (Walker, 1858)**

Genus *Lophoptera* Guenée, 1852

***Lophoptera squammigera* (Guenée, 1852)**

Notes: Li (2023)

Genus *Lophoruza* Hampson, 1910

***Lophoruza lunifera* (Moore, 1885)**

Notes: Li (2023)

***Lophoruza kuehni* (Hollway, 2009)**

Notes: Li (2023)

Genus *Metaemene* Hampson, 1910

***Metaemene atrigutta* (Walker, 1862)**

Notes: Li (2023)

Genus *Mythimna* Ochsenheimer, 1816

***Mythimna formosana* (Butler, 1880)**

Notes: Li (2023)

***Mythimna snelleni* Hreblay, 1996**

Notes: Li (2023)

Genus *Mocis* Hübner, 1823

***Mocis frugalis* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

***Mocis proveri* Zilli, 2000**

Notes: DSPA (2022)

***Mocis undata* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Genus *Nodaria* Guenée, 1854***Nodaria externalis* Guenée, 1854**

Notes: Li (2023)

Genus *Ophiusa* Ochsenheimer, 1816***Ophiusa disjungens* (Walker, 1858)**

Notes: Li (2023)

***Ophiusa trapezium* (Guenée, 1852)**

Notes: Pun and Batalha (1997)

***Ophiusa tirhaca* (Cramer, 1777)**

Notes: Pun and Batalha (1997)

***Ophiusa triphaenoides* (Walker, 1858)**

Notes: Pun and Batalha (1997)

Genus *Ophisma* Guenée, 1852***Ophisma gramta* Guenée, 1852**

Notes: Li (2023)

Genus *Oraesia* Guenée, 1852***Oraesia emarginata* (Fabricius, 1794)**

Notes: Pun and Batalha (1997)

***Oraesia excavata* (Butler, 1878)**

Notes: Pun and Batalha (1997)

***Oraesia rectistria* Guenée, 1852**

Notes: DSPA (2022)

Genus *Oxyodes* Guenée, 1852***Oxyodes scrobiculata* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Genus *Pangrapta* Hübner, 1818***Pangrapta shivula* (Guenée, 1852)**

Notes: Li (2023)

Genus *Pantydia* Guenée, 1852***Pantydia metaspila* Walker, 1857**

Notes: DSPA (2022)

Genus *Pataeta* Walker, 1858***Pataeta carbo* (Guenée, 1852)**

Notes: Li (2023)

Genus *Pericyma* Herrich-Schäffer, 1851***Pericyma cruegeri* (Butler, 1886)**

Notes: Pun and Batalha (1997)

Genus *Penicillaria* Guenée, 1852***Penicillaria maculata* Butler, 1889**

Notes: Li (2023)

Genus *Polydesma* Boisduval, 1833***Polydesma otiosa* Guenée, 1852**

Notes: Pun and Batalha (1997)

Genus *Platyja* Hübner, 1823***Platyja umminia* (Cramer, 1780)**

Notes: Li (2023)

***Platyja torsilinea* (Guenée, 1852)**

Notes: Li (2023)

Genus *Plusiodonta* Guenée, 1852***Plusiodonta coelonota* (Kollar, 1844)**

Notes: Li (2023)

Genus *Prospalta* Walker, [1858]***Prospalta leucospila* Walker, 1858**

Notes: Li (2023)

Genus *Psimada* Walker, 1858***Psimada quadripennis* Walker, 1858**

Notes: Li (2023)

Genus *Sarbanissa* Walker, 1865***Sarbanissa albifascia* (Walker, 1865)**

Notes: Pun and Batalha (1997)

Genus *Saroba* Walker, 1865***Saroba pustulifera* Walker, 1865**

Notes: Li (2023)

Genus *Sasunaga* Moore, 1881***Sasunaga longiplaga* Warren, 1912**

Notes: Li (2023)

Genus *Serrodes* Guenée, 1852***Serrodes campana* Guenée, 1852**

Notes: Pun and Batalha (1997)

Genus *Simplicia* Guenée, 1854***Simplicia cornicalis* (Fabricius, 1794)**

Notes: Li (2023)

***Simplicia niphona* (Butler, 1878)**

Notes: Pun and Batalha (1997)

***Simplicia xanthoma* Prout, 1928**

Notes: DSPA (2022)

Genus *Singara* Walker, 1865***Singara diversalis* Walker, 1865**

Notes: Li (2023)

Genus *Spirama* Guenée, 1852***Spirama retorta* (Clerck, 1764)**

Notes: Pun and Batalha (1997)

***Spirama helicina* (Hübner, 1831)**

Notes: Li (2023)

Genus *Spodoptera* Guenée, 1852***Spodoptera cilium* Guenée, 1852**

Notes: Li (2023)

***Spodoptera exigua* (Hübner, 1808)**

Notes: DSPA (2022)

***Spodoptera litura* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

***Spodoptera mauritia* (Boisduval, 1833)**

Notes: Pun and Batalha (1997)

***Spodoptera pecten* Guenée, 1852**

Notes: Li (2023)

***Spodoptera picta* (Guérin-Méneville, 1838)**

Notes: Pun and Batalha (1997)

***Spodoptera festiva* (Donovan, 1805)**

Notes: Pun and Batalha (1997)

Genus *Sympis* Guenée, 1852***Sympis rufibasis* Guenee, 1852**

Notes: Li (2023)

Genus *Thyas* Hübner, 1824***Thyas coronala* (Fabricius, 1775)**

Notes: Li (2023)

***Thyas juno* (Dalman, 1823)**

Notes: Pun and Batalha (1997)

Genus *Trigonodes* Guenée, 1852***Trigonodes hyppasia* (Cramer, 1779)**

Notes: Pun and Batalha (1997)

Genus *Tycracona* Moore, 1882***Tycracona obliqua* Moore, 1882**

Notes: Li (2023)

Genus *Ugia* Walker, 1858***Ugia disjungens* Walker, 1858**

Notes: Li (2023)

Genus *Xanthodes* Guenée, 1852***Xanthodes transversa* Guenée, 1852**

Notes: Easton and Pun (1996)

Family Nolidae

Genus *Earias* Hübner, 1825

Earias flavida Felder, 1861

Notes: Li (2023)

Earias insulana (Boisduval, 1833)

Notes: DSPA (2022)

Genus *Eligma* Hübner, 1819

Eligma narcissus (Cramer, 1775)

Notes: Pun and Batalha (1997)

Genus *Iscadia* Walker, 1857

Iscadia fusca Pogue, 2014

Notes: Li (2023)

Iscadia inexacta (Walker, 1857)

Notes: Pun and Batalha (1997)

Genus *Melanographia* Hampson, 1900

Melanographia flexilineata (Hampson, 1898)

Notes: Pun and Batalha (1997)

Genus *Narangodes* Hampson, 1910

Narangodes confluens Sugi, 1990

Notes: Li (2023)

Genus *Nola* Leach, 1815***Nola taeniata* Snellen, 1875**

Notes: DSPA (2022)

Genus *Selepa* Moore, 1858***Selepa celtis* Moore, 1858**

Notes: Pun and Batalha (1997)

Family Notodontidae**Genus *Cerura* von Schrank, 1802*****Cerura priapus* Schintlmeister, 1997**

Notes: Li (2023)

***Cerura tattakana* Matsumura, 1927**

Notes: Pun and Batalha (1997)

Genus *Neocerura* Matsumura, 1929***Neocerura wisei* (Swinhoe, 1891)**

Notes: Li (2023)

Genus *Stauropus* Germar, 1812***Stauropus alternus* Walker, 1855**

Notes: Pun and Batalha (1997)

Genus *Syntypistis* Turner, 1907***Syntypistis melana* Wu & Fang, 2003**

Notes: Li (2023)

Family Nymphalidae

Genus *Argyreus* Scopoli, 1777

Argyreus hyperbius (Linnaeus, 1763)

Notes: MBD (2022)

Genus *Ariadne* Horsfield, 1829

Ariadne ariadne (Linnaeus, 1763)

Ariadne ariadne subsp. *pallidior* (Fruhstorfer, 1899)

Notes: MBD (2022)

Genus *Athyma* Westwood, 1850

Athyma cama Moore, 1858

Athyma cama subsp. *cama* Moore, 1858

Notes: Mo et al. (2006)

Athyma nefte (Cramer, 1780)

Athyma nefte subsp. *seitzi* (Fruhstorfer, 1906)

Notes: MBD (2022)

Athyma perius (Linnaeus, 1758)

Athyma perius subsp. *perius* (Linnaeus, 1758)

Notes: Pun and Batalha (1997)

Athyma selenophora (Kollar, 1844)

Athyma selenophora subsp. *leucophryne* (Fruhstorfer, 1912)

Notes: MBD (2022)

Genus *Charaxes* Ochsenheimer, 1816

Charaxes bernardus (Fabricius, 1793)

Notes: Pun and Batalha (1997)

Genus *Cupha* Billberg, 1820

Cupha erymanthis (Drury, 1773)

Cupha erymanthis subsp. *erymanthis* (Drury, 1773)

Notes: Easton and Pun (1997b)

Genus *Cyrestis* Boisduval, 1832

Cyrestis thyodamas Doyère, 1840

Notes: MBD (2022)

Genus *Danaus* Kluk, 1780

Danaus chrysippus (Linnaeus, 1758)

Danaus chrysippus subsp. *chrysippus* (Linnaeus, 1758)

Notes: Easton and Pun (1997b)

Danaus genutia (Cramer, 1779)

Danaus genutia subsp. *genutia* (Cramer, 1779)

Notes: Easton and Pun (1997b)

Genus *Discophora* Boisduval, 1836

Discophora sondaica Boisduval, 1836

Discophora sondaica subsp. *tulliana* Stichel, 1902

Notes: Pun and Batalha (1997)

Genus *Elymnias* Hübner, 1818***Elymnias hypermnestra* (Linnaeus, 1763)**

Notes: MBD (2022)

Genus *Euploea* Fabricius, 1807***Euploea core* (Cramer 1780)*****Euploea core* subsp. *amymone* (Godart, 1819)**

Notes: Pun and Batalha (1997)

***Euploea midamus* (Linnaeus, 1758)**

Notes: Easton and Pun (1997b)

Euploea mulciber* (Cramer, 1777)**Euploea mulciber* subsp. *mulciber* (Cramer, 1777)**

Notes: MBD (2022)

Genus *Euthalia* Hübner, 1819***Euthalia phemius* (Doubleday, 1848)**

Notes: MBD (2022)

Genus *Faunis* Hübner, 1819***Faunis eumeus* (Drury, 1773)*****Faunis eumeus* subsp. *eumeus* (Drury, 1773)**

Notes: Pun and Batalha (1997)

Genus *Hestina* Westwood, 1850

***Hestina assimilis* (Linnaeus, 1758)**

***Hestina assimilis* subsp. *assimilis* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

Genus *Hypolimnas* Hübner, 1819

***Hypolimnas bolina* (Linnaeus, 1758)**

Notes: MBD (2022)

***Hypolimnas missipus* (Linnaeus, 1764)**

Notes: Pun and Batalha (1997)

Genus *Ideopsis* Horsfield, 1857

***Ideopsis similis* (Linnaeus, 1758)**

Notes: Easton and Pun (1997b)

***Ideopsis vulgaris* (Butler, 1874)**

***Ideopsis vulgaris* subsp. *contigua* (Talbot, 1939)**

Notes: Mo et al. (2006)

Genus *Junonia* Hübner, 1819

***Junonia almana* (Linnaeus, 1758)**

***Junonia almana* subsp. *almana* (Linnaeus, 1758)**

Notes: MBD (2022)

***Junonia atlites* (Linnaeus, 1763)**

Notes: MBD (2022)

Junonia hierta* (Fabricius, 1798)**Junonia hierta* subsp. *hierta* (Fabricius, 1798)**

Notes: Mendes and Sousa (2007)

***Junonia lemonias* Linnaeus, 1758**

Notes: DSPA (2022)

Junonia orithya* (Linnaeus, 1758)**Junonia orithya* subsp. *orithya* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

Genus *Kaniska* Moore, 1899***Kaniska canace* (Linnaeus, 1763)*****Kaniska canace* subsp. *canace* (Linnaeus, 1763)**

Notes: Pun and Batalha (1997)

Genus *Lethe* Hübner, 1819***Lethe europa* (Fabricius, 1775)**

Notes: MBD (2022)

Genus *Lexias* Boisduval, 1832***Lexias pardalis* (Moore, 1878)**

Notes: MBD (2022)

Genus *Limenitis* Fabricius, 1807

Limenitis sulpitia (Cramer, 1779)

Limenitis sulpitia subsp. *sulpitia* (Cramer, 1779)

Notes: MBD (2022)

Genus *Melanitis* Fabricius, 1807

Melanitis leda (Linnaeus, 1758)

Melanitis leda subsp. *leda* (Linnaeus, 1758)

Notes: MBD (2022)

Melanitis phedima (Cramer, 1780)

Notes: Easton and Pun (1997b)

Genus *Mycalesis* Hübner, 1818

Mycalesis mineus (Linnaeus, 1758)

Mycalesis mineus subsp. *mineus* (Linnaeus, 1758)

Notes: MBD (2022)

Mycalesis sangaica Butler, 1877

Notes: DSPA (2022)

Mycalesis mucianus Fruhstorfer, 1908

Notes: Huang (2019)

Genus *Neptis* Fabricius, 1807

Neptis clinia Moore, 1872

Notes: DSPA (2022)

Neptis hylas* (Linnaeus, 1758)**Neptis hylas* subsp. *hylas* (Linnaeus, 1758)**

Notes: Mendes and Sousa (2007)

***Neptis mahendra* Moore, 1872**

Notes: Mo et al. (2006)

Genus *Parantica* Moore, 1880***Parantica aglea* (Stoll, 1782)*****Parantica aglea* subsp. *melanoides* Moore, 1883**

Notes: MBD (2022)

***Parantica melaneus* (Cramer, 1775)**

Notes: MBD (2022)

Genus *Phaedyman* Felder, 1861***Phaedyman columella* (Cramer, 1780)**

Notes: MBD (2022)

Genus *Phalanta* Horsfield, 1829***Phalanta phalantha* (Drury, 1773)**

Notes: Easton and Pun (1997b)

Genus *Polygonia* Hübner, [1819]***Polygonia c-aureum* Linnaeus, 1758**

Notes: Easton and Pun (1997b)

Genus *Polyura* Billberg, 1820***Polyura arja* (Felder & Felder, 1867)**

Notes: Pun and Batalha (1997)

***Polyura athamas* (Drury, 1773)**

Notes: MBD (2022)

Genus *Rohana* Moore, 1880***Rohana parisatis* (Westwood, 1850)*****Rohana parisatis* subsp. *staurakius* (Fruhstorfer, 1913)**

Notes: MBD (2022)

Genus *Symbrenthia* Hübner, 1819***Symbrenthia hippoclus* (Cramer, 1779)*****Symbrenthia hippoclus* subsp. *lucina* (Cramer, 1780)**

Notes: Easton and Pun (1997b)

***Symbrenthia lilaea* (Hewitson, 1864)**

Notes: Huang (2019)

Genus *Tirumala* Moore, 1880***Tirumala septentrionis* (Butler, 1874)**

Notes: MBD (2022)

Genus *Vanessa* Fabricius, 1807***Vanessa cardui* (Linnaeus, 1758)*****Vanessa cardui* subsp. *cardui* (Linnaeus, 1758)**

Notes: Easton and Pun (1997b)

Vanessa indica* (Herbst, 1794)**Vanessa indica* subsp. *indica* (Herbst, 1794)**

Notes: MBD (2022)

Genus *Ypthima* Hübner, 1818***Ypthima baldus* (Fabricius, 1775)**

Notes: Easton and Pun (1997b)

***Ypthima lisandra* (Cramer, 1780)**

Notes: MBD (2022)

Family Papilionidae**Genus *Chilasa* Moore, 1881*****Chilasa clytia* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

Genus *Graphium* Scopoli, 1777***Graphium agamemnon* (Linnaeus, 1758)*****Graphium agamemnon* subsp. *agamemnon* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

Graphium doson

***Graphium doson* subsp. *axion* (Felder & Felder, 1864)**

Notes: Pun and Batalha (1997)

***Graphium sarpedon* (Linnaeus, 1758)**

Notes: MBD (2022)

Genus *Papilio* Linnaeus, 1758

***Papilio bianor* Cramer, 1777**

***Papilio bianor* subsp. *bianor* Cramer, 1777**

Notes: Pun and Batalha (1997)

***Papilio demoleus* Linnaeus, 1758**

Notes: Pun and Batalha (1997)

***Papilio helenus* Linnaeus, 1758**

***Papilio helenus* subsp. *helenus* Linnaeus, 1758**

Notes: MBD (2022)

***Papilio memnon* Linnaeus, 1758**

***Papilio memnon* subsp. *agenor* Linnaeus, 1758**

Notes: MBD (2022)

***Papilio nephelus* Boisduval, 1836**

***Papilio nephelus* subsp. *chaonulus* Fruhstorfer, 1902**

Notes: MBD (2022)

Papilio paris* Linnaeus, 1758**Papilio paris* subsp. *paris* Linnaeus, 1758**

Notes: Pun and Batalha (1997)

Papilio polytes* Linnaeus, 1758**Papilio polytes* subsp. *polytes* Linnaeus, 1758**

Notes: MBD (2022)

Papilio protenor* Cramer, 1775**Papilio protenor* subsp. *protenor* Cramer, 1775**

Notes: MBD (2022)

Papilio xuthus* Linnaeus, 1767**Papilio xuthus* subsp. *xuthus* Linnaeus, 1767**

Notes: Pun and Batalha (1997)

Genus *Pathysa* Reakirt, 1865***Pathysa antiphates* (Cramer, 1775)**

Notes: Pun and Batalha (1997)

Family Phyllocnistidae**Genus *Phyllocnistis* Zeller, 1848*****Phyllocnistis citrella* Stainton, 1856**

Notes: Pun and Batalha (1997)

Family Pieridae

Genus *Appias* Hübner, 1819

Appias albina (Boisduval, 1836)

Appias albina subsp. *darada* (Felder & Felder, 1865)

Notes: MBD (2022)

Genus *Catopsilia* Hübner, 1819

Catopsilia pomona (Fabricius, 1775)

Notes: MBD (2022)

Catopsilia pyranthe (Linnaeus, 1758)

Notes: Mendes and Sousa (2007)

Genus *Cepora* Billberg, 1820

Cepora nephelus Fabricius, 1775

Notes: Huang (2019)

Cepora nerissa (Fabricius, 1775)

Notes: Easton and Pun (1997b)

Genus *Delias* Hübner, 1819

Delias aglaja (Linnaeus, 1758)

Notes: Easton (1992)

Delias hyparete (Linnaeus, 1758)

Delias hyparete subsp. *hierte* (Hübner, 1818)

Notes: Pun and Batalha (1997)

Delias pasithoe* (Linnaeus, 1767)**Delias pasithoe* subsp. *porsenna* (Cramer, 1776)**

Notes: Easton and Pun (1997b)

Genus *Eurema* Hübner, 1819***Eurema blanda* (Boisduval, 1836)**

Notes: Pun and Batalha (1997)

***Eurema brigitta* (Stoll, 1780)**

Notes: Pun and Batalha (1997)

***Eurema hecabe* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

***Eurema laeta* (Boisduval, 1836)**

Notes: Mendes and Sousa (2007)

Genus *Hebomoia* Hübner, 1819***Hebomoia glaucippe* (Linnaeus, 1758)**

Notes: Easton and Pun (1996)

Genus *Ixias* Hübner, 1819***Ixias pyrene* (Linnaeus, 1764)**

Notes: Easton and Pun (1997b)

Genus *Pieris* Schrank, 1801***Pieris canidia* (Sparrman, 1768)**

Notes: Easton and Pun (1997b)

***Pieris rapae* (Linnaeus, 1758)**

Notes: Easton and Pun (1997b)

Genus *Prioneris* Wallace, 1867***Prioneris thestylis* (Doubleday, 1842)**

Notes: Easton and Pun (1997b)

Family Plutellidae**Genus *Plutella* Schrank, 1802*****Plutella xylostella* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

Family Psychidae**Genus *Acanthopsyche* Heylaerts, 1881*****Acanthopsyche subteralbata* (Hampson, 1892)**

Notes: Pun and Batalha (1997)

Genus *Chalioides* Swinhoe, 1892***Chalioides kondonis* Kondo, 1922**

Notes: Pun and Batalha (1997)

Genus *Clania* Walker, 1855***Clania minuscula* Butler, 1881**

Notes: Pun and Batalha (1997)

***Clania variegata* (Snellen, 1879)**

Notes: Pun and Batalha (1997)

Family Pterophoridae

Genus *Adaina* Tutt, 1905

Adaina microdactyla (Hübne, 1813)

Notes: Li (2023)

Genus *Nippoptilia* Matsumura, 1931

Nippoptilia cinctipetalis (Walker, 1864)

Notes: Li (2023)

Family Pyralidae

Genus *Arctiolepis* Felder & Felder, 1862

Arctiolepis rubida Felder & Felder, 1862

Notes: Li (2023)

Genus *Arippara* Walker, 1863

Arippara indicator Walker, 1864

Notes: Li (2023)

Genus *Etiella* Zeller, 1839

Etiella zinckenella (Teritschke, 1891)

Notes: Li (2023)

Genus *Endotricha* Zeller, 1847

Endotricha costoemaculalis Christoph, 1881

Notes: DSPA (2022)

***Endotricha olivacealis* (Bremer, 1864)**

Notes: Li (2023)

***Endotricha ruminalis* (Walker, 1859)**

Notes: Li (2023)

Genus *Herculia* Walker, 1859***Herculia pelasgalis* (Walker, 1859)**

Notes: Li (2023)

Genus *Hypsopygia* Hübner, 1825***Hypsopygia nannodes* (Butler, 1879)**

Notes: DSPA (2022)

***Hypsopygia nonusalis* (Walker, 1859)**

Notes: Li (2023)

***Hypsopygia repetita* (Butler, 1887)**

Notes: Li (2023)

Genus *Locastra* Walker, 1858***Locastra muscosalis* (Walker, 1866)**

Notes: Li (2023)

Genus *Orthaga* Walker, 1859***Orthaga achatina* (Butler, 1878)**

Notes: Pun and Batalha (1997)

***Orthaga olivacea* (Warren, 1891)**

Notes: Li (2023)

Genus *Piesmopoda* Zeller, 1848***Piesmopoda semilutea* (Walker, 1863)**

Notes: Li (2023)

Genus *Pyralis* Linnaeus, 1758***Pyralis pictalis* (Curtis, 1834)**

Notes: Pun and Batalha (1997)

Family Riodinidae**Genus *Abisara* Felder & Felder, 1860*****Abisara echerius* (Stoll, 1790)**

Notes: MBD (2022)

Genus *Zemerus* Boisduval, 1836***Zemerus flegyas* (Cramer, 1780)*****Zemerus flegyas* subsp. *flegyas* (Cramer, 1780)**

Notes: Pun and Batalha (1997)

Family Saturniidae**Genus *Actias* Leach, 1815*****Actias selene* (Hübner, 1807)*****Actias selene* subsp. *ningpoana* Felder, 1862**

Notes: Pun and Batalha (1997)

Genus *Samia* Hübner, 1819***Samia cynthia* (Drury, 1773)**

Notes: Pun and Batalha (1997)

Family Sphingidae**Genus *Acherontia* Laspeyres, 1809*****Acherontia lachesis* (Fabricius, 1798)**

Notes: Pun and Batalha (1997)

***Acherontia styx* (Westwood, 1847)**

Notes: Pun and Batalha (1997)

Genus *Agrius* Hübner, 1819***Agrius convolvuli* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

Genus *Angonyx* Boisduval, 1875***Angonyx testacea* (Walker, 1856)**

Notes: Li (2023)

Genus *Cephonodes* Hübner, 1819***Cephonodes hylas* (Linnaeus, 1771)**

Notes: Pun and Batalha (1997)

Genus *Clanis* Hübner, 1819***Clanis bilineata* Walker , 1866**

Notes: Li (2023)

Genus *Daphnis* Hübner, 1819***Daphnis hypothous* (Cramer, 1780)**

Notes: Pun and Batalha (1997)

***Daphnis nerii* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

***Daphnis placida* (Walker, 1856)**

Notes: DSPA (2022)

Genus *Eupanacra* Cadiou & Holloway, 1989***Eupanacra mydon* (Walker, 1856)**

Notes: Easton and Pun (1996)

Genus *Hippotion* Hübner, 1819***Hippotion celerio* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

***Hippotion rafflesi* (Moore, 1858)**

Notes: Pun and Batalha (1997)

Genus *Macroglossum* Scopoli, 1777***Macroglossum belis* (Linnaeus, 1758)**

Notes: Easton and Pun (1996)

Macroglossum corythus* Walker, 1856**Macroglossum corythus* subsp. *luteata* Butler, 1875**

Notes: Pun and Batalha (1997)

***Macroglossum divergens* Walker, 1856**

***Macroglossum divergens* subsp. *heliophila* Boisduval, 1875**

Notes: Pun and Batalha (1997)

***Macroglossum fritzei* Rothschild & Jordan, 1903**

Notes: Li (2023)

***Macroglossum pyrrhosticta* Butler, 1875**

Notes: Pun and Batalha (1997)

***Macroglossum saga* Butler, 1878**

Notes: Li (2023)

***Macroglossum sitiene* Walker, 1856**

Notes: Easton and Pun (1996)

Genus *Marumba* Moore, 1882

***Marumba dyras* (Walker, 1856)**

Notes: Pun and Batalha (1997)

***Marumba gaschkewitschi* (Bremer & Grey, 1853)**

***Marumba gaschkewitschi* subsp. *complacens* (Walker, 1865)**

Notes: Pun and Batalha (1997)

***Marumba sperchius* (Ménétrières, 1857)**

Notes: Li (2023)

Genus *Neogurelca* Hogenes & Treadaway, 1993

***Neogurelca hyas* (Walker, 1856)**

Notes: Pun and Batalha (1997)

Genus *Pergesa* Walker, 1856***Pergesa acteus* (Cramer, 1779)**

Notes: DSPA (2022)

Genus *Psilogramma* Rothschild & Jordan, 1903***Psilogramma menephron* (Cramer, 1780)**

Notes: Pun and Batalha (1997)

Genus *Theretra* Hübner, 1819***Theretra alecto* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

Theretra clotho* (Drury, 1773)**Theretra clotho* subsp. *clotho* (Drury, 1773)**

Notes: Pun and Batalha (1997)

Theretra latreillii* (Macleay, 1826)**Theretra latreillii* subsp. *lucasii* (Walker, 1856)**

Notes: Pun and Batalha (1997)

***Theretra nessus* (Drury, 1773)**

Notes: Pun and Batalha (1997)

Theretra silhetensis* (Walker, 1856)**Theretra silhetensis* subsp. *silhetensis* (Walker, 1856)**

Notes: Pun and Batalha (1997)

***Theretra suffusa* (Walker, 1856)**

Notes: Pun and Batalha (1997)

Family Tortricidae**Genus *Archips* Hübner, 1822*****Archips sayonae* Kawabe, 1985**

Notes: Pun and Batalha (1997)

Genus *Cryptophlebia* Walsingham, 1899***Cryptophlebia ombrodelta* (Lower, 1898)**

Notes: Pun and Batalha (1997)

Genus *Diplocalyptis* Diakonoff, 1976***Diplocalyptis tenuicula* Razowski, 1984**

Notes: DSPA (2022)

Genus *Neoanathamna* Kawabe, 1978***Neoanathamna negligens* Kawabe, 1978**

Notes: DSPA (2022)

Genus *Rhadinocolops* Obraztsov, 1968***Rhadinocolops koenigana* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Family Uraniidae

Genus *Micronia* Guenée, 1857

Micronia aculeata Guenée, 1857

Notes: Pun and Batalha (1997)

Genus *Lyssa* Hübner, 1823

Lyssa zampa (Butler, 1869)

Notes: Pun and Batalha (1997)

Genus *Phazaca* Walker, 1863

Phazaca kosemponicola (Strand, 1916)

Notes: Li (2023)

Family Zygaenidae

Genus *Cyclosia* Hübner, 1820

Cyclosia papilionaris (Drury, 1773)

Notes: MBD (2022)

Genus *Gynautocera* Guérin-Méneville, 1831

Gynautocera papilionaria Guérin-Méneville, 1831

Notes: Easton and Pun (1996)

Genus *Histia* Hübner, 1820

Histia flabellicornis (Fabricius, 1775)

Notes: DSPA (2022)

Genus *Pidorus* Walker, 1854***Pidorus gemina* (Walker, 1854)**

Notes: Pun and Batalha (1997)

***Pidorus glaucopis* (Drury, 1773)**

Notes: Pun and Batalha (1997)

Genus *Thyrassia* Butler, 1876***Thyrassia penangae* (Moore, 1859)**

Notes: Li (2023)

Genus *Trypanophora* Kollar, 1844***Trypanophora semihyalina* Kollar, 1844**

Notes: Li (2023)

Order Coleoptera**Family Bostrychidae****Genus *Bostrychopsis* Lesne, 1899*****Bostrychopsis parallela* (Lesne, 1895)**

Notes: Easton (1992)

Genus *Dinoderus* Stephens, 1830***Dinoderus minutus* (Fabricius, 1775)**

Notes: Zhang (2006)

Genus *Heterobostrychus* Lesne, 1899***Heterobostrychus aequalis* (Waterhouse, 1884)**

Notes: Pun and Batalha (1997)

Family Bruchidae**Genus *Callosobruchus* Pic, 1902*****Callosobruchus chinensis* (Linnaeus, 1758)**

Notes: Mo et al. (2006)

Genus *Chalcophora* Dejean, 1833***Chalcophora japonica* (Gory, 1840)**

Notes: Pun and Batalha (1997)

Genus *Spermophagus* Schoenherr, 1833***Spermophagus albonotatus* Chûjô, 1937**

Notes: Pun and Batalha (1997)

Family Carabidae**Genus *Chlaenius******Chlaenius bioculatus* Chaudoir, 1856**

Notes: Pun and Batalha (1997)

Genus *Cicindela* Linnaeus, 1758***Cicindela anchoralis* Chevr, 1845**

Notes: Zhang (2006)

***Cicindela aurulenta* Fabricius 1801**

***Cicindela aurulenta* subsp. *juxtata* Acciavatti & Pearson, 1989**

Notes: Pun and Batalha (1997)

***Cicindela kaleea* Bates, 1866**

Notes: DSPA (2022)

***Cicindela separata* Fleutiaux, 1894**

Notes: Easton (1992)

Genus *Craspedophorus* Hope, 1838

***Craspedophorus mandarinus* (Schaum, 1854)**

Notes: Pun and Batalha (1997)

Genus *Odacantha* Paykull, 1798

***Odacantha metallica* (Fairmaire, 1889)**

Notes: DSPA (2022)

Genus *Pheropsophus* Solier, 1833

***Pheropsophus occipitalis* (Macleay, 1825)**

Notes: Pun and Batalha (1997)

Genus *Stenolophus* Dejean, 1821

***Stenolophus quinquepustulatus* (Wiedemann, 1823)**

Notes: DSPA (2022)

Family Cerambycidae

Genus *Aegolipton* Gressitt, 1940

Aegolipton marginale (Fabricius, 1775)

Notes: Lin et al. (2021)

Genus *Aeolesthes* Gahan, 1890

Aeolesthes induta (Newman, 1842)

Notes: Lin et al. (2021)

Genus *Anoplophora* Hope, 1839

Anoplophora chinensis (Forster, 1771)

Anoplophora chinensis subsp. *chinensis* (Forster, 1771)

Notes: Lin et al. (2021)

Genus *Apomecyna* Dejean, 1821

Apomecyna longicollis Pic, 1926

Apomecyna longicollis subsp. *longicollis* Pic, 1926

Notes: Lin et al. (2021)

Apomecyna saltator (Fabricius, 1787)

Notes: Lin et al. 2021

Genus *Apriona* Chevrolat, 1852

Apriona germari (Hope, 1831)

Notes: Lin et al. (2021)

Genus *Aristobia* Thomson, 1868

***Aristobia approximator* (Thomsonm, 1865)**

Notes: Lin et al. (2021)

Genus *Batocera* Castelnau, 1840

***Batocera horsfieldi* (Hope, 1839)**

Notes: Pun and Batalha (1997)

***Batocera rubus* (Linnaeus, 1758)**

***Batocera rubus* subsp. *rubus* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

Genus *Blepephaeus* Pascoe, 1866

***Blepephaeus subcruciatus* (White, 1858)**

Notes: Lin et al. (2021)

***Blepephaeus succinator* (Chevrolat, 1852)**

Notes: Lin et al. (2021)

Genus *Bumetopia* Pascoe, 1858

***Bumetopia oscitans* Pascoe, 1858**

Notes: Lin et al. (2021)

Genus *Cephalallus* Sharp, 1905

***Cephalallus unicolor* (Gahan, 1906)**

***Cephalallus unicolor* subsp. *unicolor* (Gahan, 1906)**

Notes: Lin et al. (2021)

Genus *Ceresium* Newman, 1842***Ceresium elongatum* Matsushita, 1933*****Ceresium elongatum* subsp. *elongatum* Matsushita, 1933**

Notes: Lin et al. (2021)

***Ceresium longicorne* Pic, 1926**

Notes: Lin et al. (2021)

Ceresium sinicum* White, 1855**Ceresium sinicum* subsp. *ornaticolle* Pic, 1907**

Notes: Lin et al. (2021)

***Ceresium zeylanicum* Yokoi, 2015**

Notes: Lin et al. (2021)

Genus *Chelidonium* Thomson, 1864***Chelidonium argentatum* (Dalman, 1817)**

Notes: Lin et al. (2021)

Genus *Chlorophorus* Chevrolat, 1863***Chlorophorus annularis* (Fabricius, 1787)*****Chlorophorus macaumensis* (Chevrolat, 1845)**

Notes: Lin et al. (2021)

***Chlorophorus macaumensis* subsp. *macaumensis* (Chevrolat, 1845)**

Notes: Lin et al. (2021)

Genus *Coptops* Audinet-Serville, 1835

***Coptops licheneus* Pascoe, 1865**

Notes: Lin et al. (2021)

***Coptops variegata* (Breuning, 1938)**

Notes: Pun and Batalha (1997)

Genus *Demonax* Thomson, 1861

***Demonax bimaculicollis* (Schwarzer, 1925)**

Notes: Lin et al. (2021)

Genus *Desisa* Pascoe, 1865

***Desisa subfasciata* (Pascoe, 1862)**

Notes: Lin et al. (2021)

Genus *Embrikstrandia* Plavilstshikov, 1931

***Embrikstrandia unifasciata* (Ritsema, 1896)**

Notes: Lin et al. (2021)

Genus *Exocentrus* Dejean, 1835

***Exocentrus alboguttatus* Fisher, 1925**

***Exocentrus alboguttatus* subsp. *subconjunctus* Gressitt, 1940**

Notes: Lin et al. (2021)

***Exocentrus formosofasciolatus* Kusama & Tahira, 1978**

Notes: Lin et al. (2021)

Genus *Glenea* Newman, 1842***Glenea cantor* (Fabricius, 1787)*****Glenea cantor* subsp. *cantor* (Fabricius, 1787)**

Notes: Lin et al. (2021)

Genus *Imantocera* Dejean, 1835***Imantocera penicillata* (Hope, 1831)**

Notes: Lin et al. (2021)

Genus *Kuegleria* Holzschuh, 2017***Kuegleria annulicornis* (Pic, 1935)**

Notes: Lin et al. (2021)

Genus *Megopis* Serville, 1832***Megopis marginalis* (Fairmaire, 1775)**

Notes: Lin et al. (2021)

Genus *Mispila* Pascoe, 1864***Mispila tholana* (Gressitt, 1940)**

Notes: Lin et al. (2021)

Genus *Monochamus* Dejean, 1821***Monochamus alternatus* Hope, 1842*****Monochamus alternatus* subsp. *alternatus* Hope, 1842**

Notes: Lin et al. (2021)

Genus *Nysina* Gahan, 1906

***Nysina rufescens* (Pic, 1923)**

***Nysina rufescens* subsp. *asiatica* (Schwarzer, 1925)**

Notes: Lin et al. (2021)

Genus *Oberea* Dejean, 1835

***Oberea ferruginea* (Thunberg, 1787)**

Notes: Lin et al. (2021)

***Oberea walkeri* Gahan, 1894**

Notes: Lin et al. (2021)

Genus *Olenecamptus* Chevrolat, 1835

***Olenecamptus bilobus* (Fabricius, 1801)**

Notes: Lin et al. (2021)

***Olenecamptus taiwanus* Dillon & Dillon, 1948**

Notes: Lin et al. (2021)

Genus *Perissus* Chevrolat, 1863

***Perissus indistinctus* Gressitt, 1940**

Notes: Lin et al. (2021)

Genus *Pothyne* Thomson, 1864

***Pothyne rugifrons* Gressitt, 1940**

Notes: Lin et al. (2021)

Genus *Polyzonus* Dejean, 1835***Polyzonus sinensis* (Hope, 1842)**

Notes: Lin et al. (2021)

Genus *Prosoplus* Blanchard, 1853***Prosoplus bankii* (Fabricius, 1775)**

Notes: Lin et al. (2021)

Genus *Pseudoterinaea* Breuning, 1940***Pseudoterinaea bicoloripes* (Pic, 1926)**

Notes: Lin et al. (2021)

Genus *Pterolophia* Newman, 1842***Pterolophia annulata* (Chevrolat, 1845)**

Notes: Lin et al. (2021)

***Pterolophia consularis* (Pascoe, 1866)**

Notes: Lin et al. (2021)

***Pterolophia crassipes* (Wiedemann, 1823)**

Notes: Lin et al. (2021)

Pterolophia kaleea* (Bates, 1866)**Pterolophia kaleea* subsp. *inflexa* Gressitt, 1940**

Notes: Lin et al. (2021)

Genus *Purpuricenus* Dejean, 1821

***Purpuricenus temminckii* (Guérin-Méneville, 1844)**

***Purpuricenus temminckii* subsp. *sinensis* White, 1853**

Notes: Lin et al. (2021)

Genus *Pyrestes* Pascoe, 1857

***Pyrestes haematicus* Pascoe, 1857**

Notes: Lin et al. (2021)

Genus *Rhytidodera* White, 1853

***Rhytidodera integra* Kolbe, 1886**

Notes: Lin et al. (2021)

Genus *Rondibilis* Thomson, 1857

***Rondibilis undulata* (Pic, 1922)**

Notes: Lin et al. (2021)

Genus *Ropica* Pascoe, 1858

***Ropica dorsalis* Schwarzer, 1925**

Notes: Lin et al. (2021)

Genus *Sophronica* Blanchard, 1845

***Sophronica apicalis* (Pic, 1922)**

Notes: Lin et al. (2021)

Genus *Stromatium* Audinet-Serville, 1834***Stromatium longicorne* (Newman, 1842)**

Notes: Lin et al. (2021)

Genus *Sybra* Pascoe, 1865***Sybra marmorea* Breuning, 1939**

Notes: Lin et al. (2021)

***Sybra posticalis* (Pascoe, 1858)**

Notes: Lin et al. (2021)

Genus *Trirachys* Hope, 1843***Trirachys indutus* (Newman, 1842)**

Notes: Lin et al. (2021)

Genus *Eutaenia* Thomson, 1857***Eutaenia tanoni* Breuning, 1962**

Notes: Lin et al. (2021)

Genus *Xystrocera* Audinet-Serville, 1834***Xystrocera globosa* (Olivier, 1795)**

Notes: Lin et al. (2021)

Genus *Zotalemimon* Pic, 1925***Zotalemimon ciliatum* (Gressitt, 1942)**

Notes: Lin et al. (2021)

Family Cetoniidae

Genus *Agestrata* Eschscholtz, 1829

Agestrata orichalca (Linnaeus, 1769)

Agestrata orichalca subsp. *orichalca* (Linnaeus, 1769)

Notes: Perissinotto and Clennell (2021)

Genus *Cosmiomorpha* Saunders, 1852

Cosmiomorpha setulosa Westwood, 1854

Notes: Zhang (2006)

Genus *Dicronocephalus* Hope, 1831

Dicronocephalus wallichii Hope, 1831

Notes: Zhang (2006)

Genus *Euselates* Thomson, 1880

Euselates magna Thomson, 1880

Notes: Perissinotto and Clennell (2021)

Genus *Gametis* Burmeister, 1842

Gametis bealiae (Gory & Percheron, 1833)

Notes: Perissinotto and Clennell (2021)

Gametis jucunda (Faldermann, 1835)

Notes: Perissinotto and Clennell (2021)

Genus *Glycyphana* Burmeister, 1842***Glycyphana horsfieldi* (Hope, 1831)**

Notes: Perissinotto and Clennell (2021)

***Glycyphana laotica* Mikšić, 1968**

Notes: Perissinotto and Clennell (2021)

***Glycyphana nicobarica* Janson, 1877**

Notes: DSPA (2022)

Genus *Protaetia* Burmeister, 1842***Protaetia cathaica* (Bates, 1890)**

Notes: DSPA (2022)

***Protaetia fusca* (Herbst, 1790)**

Notes: Perissinotto and Clennell (2021)

***Protaetia intricata* Saunders, 1852**

Notes: Perissinotto and Clennell (2021)

Protaetia orientalis* (Gory & Percheron, 1833)**Protaetia orientalis* subsp. *orientalis* (Gory & Percheron, 1833)**

Notes: Perissinotto and Clennell (2021)

***Protaetia speculifera* (Swartz, 1817)**

Notes: Perissinotto and Clennell (2021)

Genus *Thaumastopeus* Kraatz, 1885***Thaumastopeus shanghaicus* Poll, 1886**

Notes: Perissinotto and Clennell (2021)

***Thaumastopeus nigritus* (Fröhlich, 1792)**

Notes: Perissinotto and Clennell (2021)

Family Chrysomelidae**Genus *Aulacophora* Chevrolat, 1842*****Aulacophora indica* (Gmelin, 1790)**

Notes: Pun and Batalha (1997)

***Aulacophora lewisii* Baly, 1866**

Notes: Pun and Batalha (1997)

Genus *Aspidomorpha* Hope, 1840***Aspidomorpha furcata* (Thunberg, 1789)**

Notes: Pun and Batalha (1997)

***Aspidomorpha miliaris* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Genus *Brontispa* Sharp, 1904***Brontispa longissima* (Gestro, 1885)**

Notes: Mo et al. (2006)

Genus *Donacia* Fabricius, 1775***Donacia provost* (Fairmaire, 1885)**

Notes: DSPA (2022)

Genus *Haplosomoides* Duvivier, 1890***Haplosomoides costata* (Fairmaire, 1885)**

Notes: DSPA (2022)

Genus *Lema* Fabricius, 1798***Lema commelinae* Gressitt, 1942**

Notes: DSPA (2022)

***Lema infranigra* Pic, 1924**

Notes: DSPA (2022)

***Lema rufotestacea* Clark, 1866**

Notes: DSPA (2022)

Genus *Lilioceris* Reitter, 1913***Lilioceris egena* (Weise, 1922)**

Notes: Pun and Batalha (1997)

Genus *Monolepta* Chevrolat, 1837***Monolepta longitarsodies* Chujo, 1938**

Notes: DSPA (2022)

***Monolepta pallidula* (Baly, 1874)**

Notes: Mo et al. (2006)

***Monolepta signata* (Olivier, 1808)**

Notes: Pun and Batalha (1997)

Genus *Nisotra* Baly, 1864***Nisotra orbiculata* (Motschulsky, 1866)**

Notes: Pun and Batalha (1997)

Genus *Oides* Weber, 1801***Oides decempunctatus* (Billberg, 1808)**

Notes: Pun and Batalha (1997)

Genus *Ophrida* Chapuis, 1875***Ophrida scaphoides* (Baly, 1865)**

Notes: Pun and Batalha (1997)

Genus *Pachnephorus* Chevrolat, 1837***Pachnephorus bretteinghami* Baly, 1878**

Notes: DSPA (2022)

Genus *Paraluperodes* Ogloblin, 1936***Paraluperodes suturalis* (Motschulsky, 1858)**

Notes: DSPA (2022)

Genus *Phygasia* Baly, 1876***Phygasia ornate* Baly, 1876**

Notes: Pun and Batalha (1997)

Genus *Phyllotreta* Chevrolat, 1836***Phyllotreta striolata* (Fabricius, 1801)**

Notes: Pun and Batalha (1997)

Genus *Podagricomela* Heikertinger, 1924***Podagricomela apicipennis* (Jacoby, 1905)**

Notes: DSPA (2022)

Genus *Rhadinosa* Weise, 1905***Rhadinosa fleutiauxia* (Baly, 1890)**

Notes: DSPA (2022)

Genus *Sagra* Fabricius, 1792***Sagra femorata* (Drury, 1773)*****Sagra femorata* subsp. *purpurea* Lichtenstein, 1795**

Notes: Pun and Batalha (1997)

Genus *Sphenoraia* Clark, 1865***Sphenoraia nebulosa* (Gyllenhal, 1808)**

Notes: DSPA (2022)

Genus *Taiwania* Spaeth, 1913***Taiwania circumdata* (Herbst, 1799)**

Notes: Pun and Batalha (1997)

***Taiwania obtusata* (Boheman, 1854)**

Notes: Pun and Batalha (1997)

Family Coccinellidae

Genus *Afissula* Kapur, 1955

Afissula bisquadripunctata (Gyllenhal, 1808)

Notes: DSPA (2022)

Genus *Bothrocalvia* Crotch, 1874

Bothrocalvia albolineata (Gyllenhal, 1808)

Notes: Pun and Batalha (1997)

Genus *Coccinella* Linnaeus, 1758

Coccinella transversalis Fabricius, 1781

Notes: DSPA (2022)

Genus *Harmonia* Mulsant, 1850

Harmonia octomaculata (Fabricius, 1781)

Notes: DSPA (2022)

Harmonia sedecimnotata (Fabricius, 1801)

Notes: Pun and Batalha (1997)

Genus *Henosepilachna* Li & Cook, 1961

Henosepilachna vigintioctopunctata (Fabricius, 1775)

Notes: Pun and Batalha (1997)

Genus *Illeis* Mulsant, 1850

Illeis chinensis Iablokoff-Khnzorian, 1978

Notes: DSPA (2022)

***Illeis koebelei* Timberlake, 1943**

Notes: Pun and Batalha (1997)

Genus *Lemnia* Mulsant, 1850***Lemnia biplagiata* (Swartz, 1801)**

Notes: Pun and Batalha (1997)

Genus *Menochilus* Timberlake, 1943***Menochilus sexmaculata* (Fabricius, 1781)**

Notes: Pun and Batalha (1997)

Genus *Micraspis* Chevrolata, 1836***Micraspis discolor* (Fabricius, 1798)**

Notes: Mo et al. (2006)

Genus *Propylaea* Mulsant, 1846***Propylaea japonica* (Thunberg, 1781)**

Notes: Pun and Batalha (1997)

Genus *Rodolia* Mulsant, 1850***Rodolia pumila* Weise, 1892**

Notes: Pun and Batalha (1997)

Family Curculionidae**Genus *Cyrtotrachelus* Schöenherr, 1838*****Cyrtotrachelus longimanus* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Genus *Desmidophorus* Schöenherr, 1837***Desmidophorus hebes* (Fabricius, 1781)**

Notes: Pun and Batalha (1997)

Genus *Hypomeces* Schöenherr, 1823***Hypomeces squamosus* (Fabricius, 1792)**

Notes: Pun and Batalha (1997)

Genus *Odoiporus* Chev, 1885***Odoiporus longicollis* (Oliver, 1807)**

Notes: Pun and Batalha (1997)

Genus *Sipalinus* Marshall, 1943***Sipalinus gigas* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Genus *Sitophilus* Schöenherr, 1838***Sitophilus oryzae* (Linnaeus, 1767)**

Notes: Pun and Batalha (1997)

Family Dermestidae**Genus *Dermestes* Linnaeus, 1758*****Dermestes ater* Degeer, 1774**

Notes: Zhang (2006)

Family Dynastidae

Genus *Alissonotum* Arrow, 1908

Alissonotum pauperum (Burmeister, 1847)

Notes: Perissinotto and Lu (2022)

Genus *Allomyrina* Arrow, 1911

Allomyrina dichotoma (Linnaeus, 1771)

Notes: Zhang (2006)

Genus *Xylotrupes* Hope, 1837

Xylotrupes gideon (Linnaeus, 1767)

Notes: Pun and Batalha (1997)

Xylotrupes siamensis Minck, 1920

Notes: Perissinotto and Lu (2022)

Family Dytiscidae

Genus *Bidessus* Sharp, 1882

Bidessus japonicus (Sharp, 1873)

Notes: Zhang (2006)

Genus *Copelatus* Erichson, 1832

Copelatus bangalorensis Vazirani, 1970

Notes: DSPA (2022)

Copelatus oblitus Sharp, 1882

Notes: Jiang et al. (2022)

***Copelatus sociennus* Balfour-Browne, 1952**

Notes: Jäch and Easton (1998)

***Copelatus subfasciatus* Zimmermann, 1919**

Notes: Jäch and Easton (1998)

***Copelatus tenebrosus* Régimbart, 1880**

Notes: Jäch and Easton (1998)

Genus *Cybister* Curtis, 1827***Cybister suyiuatus* Erichson, 1834**

Notes: Zhang (2006)

Cybister tripunctatus* (Olivier, 1795)**Cybister tripunctatus* subsp. *lateralis* (Fabricius, 1798)**

Notes: Jäch and Easton (1998)

***Cybister ventralis* Sharp, 1882**

Notes: Jäch and Easton (1998)

Genus *Eretes* Laporte, 1833***Eretes sticticus* (Linnaeus, 1767)**

Notes: Zhang (2006)

Genus *Hydaticus* Leach, 1817***Hydaticus vittatus* (Fabricius, 1775)**

Notes: Jäch and Easton (1998)

Genus *Hydrovatus* Motschulsky, 1853***Hydrovatus rufoniger* (Clark, 1863)*****Hydrovatus rufoniger* subsp. *rufoniger* (Clark, 1863)**

Notes: Jäch and Easton (1998)

***Hydrovatus subtilis* Sharp, 1882**

Notes: Jäch and Easton (1998)

Genus *Hyphydrus* Illiger, 1802***Hyphydrus lyratus* Swartz, 1808*****Hyphydrus lyratus* subsp. *lyratus* Swartz, 1808**

Notes: Jäch and Easton (1998)

Genus *Laccophilus* Leach, 1815***Laccophilus difficilis* Sharp, 1873**

Notes: Zhang (2006)

***Laccophilus sharpi* (Régimbart, 1889)**

Notes: Zhang (2006)

Genus *Leiodytes* Guignot, 1936***Leiodytes nicobaricus* (Redtenbacher, 1867)**

Notes: Jäch and Easton (1998)

Genus *Platynectes* Régimbart, 1879***Platynectes gemellatus* Stastný, 2003**

Notes: Jiang et al. (2023)

***Platynectes dissimilis* (Sharp, 1873)**

Notes: Jäch and Easton (1998)

Genus *Rhantus* Dejean, 1833***Rhantus suturalis* (Macleay, 1825)**

Notes: Zhang (2006)

Family Elateridae**Genus *Agonischius* Candèze, 1863*****Agonischius obscuripes* (Gyllenhal, 1817)**

Notes: Pun and Batalha (1997)

Genus *Campsosternus* Latreille, 1834***Campsosternus auratus* (Drury, 1773)**

Notes: Pun and Batalha (1997)

Family Eumolpidae**Genus *Colasposoma* Castelnau, 1833*****Colasposoma dauricum* (Mannerheim, 1849)*****Colasposoma dauricum* subsp. *auripenne* (Motschulsky, 1860)**

Notes: Pun and Batalha (1997)

***Colasposoma pretiosum* Baly, 1860**

Notes: Pun and Batalha (1997)

Genus *Cryptocephalus* Geoffrey, 1762***Cryptocephalus suavis* Duvivier, 1892**

Notes: DSPA (2022)

***Cryptocephalus trifasciatus* Fabricius, 1787**

Notes: Pun and Batalha (1997)

Family Gyrinidae**Genus *Patrus* Aubé, 1838*****Patrus productus* (Régimbart, 1884)**

Notes: Jäch and Easton (1998)

Family Haliplidae**Genus *Peltodytes* Régimbart, 1879*****Peltodytes sinensis* (Hope, 1845)**

Notes: Zhang (2006)

Family Hydrophilidae**Genus *Chaetarthria* Stephens, 1835*****Chaetarthria saundersi* Orchymont, 1923**

Notes: Jia et al. (2018)

Genus *Amphiops* Erichson, 1843***Amphiops amplevatus* (Jia, 1995)**

Notes: DSPA (2022)

***Amphiops coomani* Orchymont, 1926**

Notes: Jia (2014)

***Amphiops globus* Erichson, 1843**

Notes: Jia (2014)

***Amphiops mater* Sharp, 1884**

Notes: Zhang (2006)

Genus *Berosus* Leach, 1817***Berosus elongatulus* Jordan, 1894**

Notes: DSPA (2022)

***Berosus incretus* Orchymont, 1937**

Notes: DSPA 2022

***Berosus lewsius* Sharp, 1873**

Notes: DSPA (2022)

Genus *Cercyon* Leach, 1817***Cercyon laminatus* Sharp, 1873**

Notes: DSPA (2022)

Genus *Coelostoma* Brulle, 1835***Coelostoma stultum* (Walker, 1858)**

Notes: Jia et al. (2014)

***Coelostoma sulcatum* Pu, 1963**

Notes: Mai et al. (2022a)

Genus *Dactylosternum* Wollaston, 1854***Dactylosternum abdominale* (Fabricius, 1792)**

Notes: Mai et al. (2022b)

***Dactylosternum corbeti* Balfour-Browne, 1942**

Notes: Mai et al. (2022b)

Genus *Enochrus* Thomson, 1859***Enochrus esuriens* (Walker, 1858)**

Notes: DSPA (2022)

***Enochrus flavicans* (Regimbart, 1903)**

Notes: DSPA (2022)

Genus *Helochares* Mulsant, 1844***Helochares atropiceus* Régimbart, 1903**

Notes: DSPA (2022)

***Helochares densus* Sharp, 1890**

Notes: Yang et al. (2021)

***Helochares fuliginosus* Orchymont, 1932**

Notes: DSPA (2022)

***Helochares neglectus* (Hope, 1854)**

Notes: DSPA (2022)

***Helochares pallens* (MacLeay, 1825)**

Notes: DSPA (2022)

Genus *Paracymus* Thomson, 1867***Paracymus orientalis* Orchymont, 1926**

Notes: DSPA (2022)

Genus *Sternolophus* Solier, 1834***Sternolophus inconspicuus* (Nietner, 1856)**

Notes: Przewoźny (2017)

***Sternolophus rufipes* (Fabricius, 1792)**

Notes: Liu et al. (2021)

Family Laemophloeidae**Genus *Cryptolestes* Ganglbauer, 1899*****Cryptolestes ferrugineus* (Stephens, 1831)**

Notes: Zhang (2006)

***Cryptolestes pusillus* (Schönherr, 1817)**

Notes: Zhang (2006)

Family Lampyridae**Genus *Pyrocoelia* Gorham, 1880*****Pyrocoelia analis* (Fabricius, 1801)**

Notes: Pun and Batalha (1997)

Family Lucanidae

Genus *Prosopocoilus* Westwood, 1845

Prosopocoilus biplagiatus (Westwood, 1855)

Notes: Pun and Batalha (1997)

Family Melolonthidae

Genus *Apogonia* Kirby, 1819

Apogonia cribricollis Burmeister, 1855

Notes: Pun and Batalha (1997)

Genus *Holotrichia* Hope, 1837

Holotrichia geilenkensei Brenske, 1902

Notes: Easton (1992)

Holotrichia sinensis Hope, 1842

Notes: DSPA (2022)

Family Meloidae

Genus *Epicauta* Dejean, 1834

Epicauta tibialis Waterhouse, 1871

Notes: Pun and Batalha (1997)

Genus *Mylabris* Fabricius, 1775

Mylabris phalerata (Pallas, 1782)

Notes: Pun and Batalha (1997)

Family Noteridae

Genus *Noterus* Clairville, 1806

Noterus japonicus Sharp, 1873

Notes: Zhang (2006)

Family Scarabaeidae

Genus *Adoretus* Dejean, 1833

Adoretus convexus Burmeister, 1855

Notes: Perissinotto and Lu (2022)

Adoretus sinicus Burmeister, 1855

Notes: Perissinotto and Lu (2022)

Genus *Anomala* Samouelle, 1819

Anomala antiqua (Gyllenhal, 1817)

Notes: Perissinotto and Lu (2022)

Anomala corpuleata Motschulsky, 1853

Notes: Zhang (2006)

Anomala cupripes (Hope, 1839)

Notes: Pun and Batalha (1997)

Anomala rubripes Lin, 1996

Anomala rubripes subsp. *rubripes* Lin, 1996

Notes: Perissinotto and Lu (2022)

***Anomala russiventris* Fairmaire, 1893**

Notes: Perissinotto and Lu (2022)

***Anomala sulcipennis* (Faldermann, 1835)**

Notes: Perissinotto and Lu (2022)

***Anomala virens* Linnaeus, 1996**

Notes: DSPA (2022)

Genus *Mimela* Kirby, 1823***Mimela chinensis* Kirby, 1823**

Notes: Perissinotto and Lu (2022)

Genus *Popillia* Dejean, 1821***Popillia dilutipennis* Fairmaire, 1888**

Notes: Perissinotto and Lu (2022)

***Popillia histeroidea* (Gyllenhal, 1817)**

Notes: Pun and Batalha (1997)

***Popillia indigonacea* Motschulsky, 1853**

Notes: Zhang (2006)

***Popillia livida* Linnaeus, 1988**

Notes: Pun and Batalha (1997)

***Popillia mutans* Newman, 1838**

Notes: Perissinotto and Lu (2022)

Genus *Pseudosinghala* Heller, 1891***Pseudosinghala dalmanni* (Gyllenhal, 1817)**

Notes: Perissinotto and Lu (2022)

Genus *Catharsius* Hope, 1837***Catharsius molossus* (Linnaeus, 1758)**

Notes: Zhang (2006)

Family Staphylinidae**Genus *Anotylus* Bulycheva, 1955*****Anotylus tetrocarinatus* (Block, 1799)**

Notes: Easton (1992)

Genus *Paederus* Fabricius, 1775***Paederus fuscipes* Curtis, 1826**

Notes: DSPA (2022)

Genus *Philonthus* Stephens, 1829***Philonthus donckieri* Bernhauer, 1915**

Notes: Ades and Kendrick (2004)

***Philonthus industanus* Fauvel, 1903**

Notes: Ades and Kendrick (2004)

***Philonthus longicornis* Stephens, 1832**

Notes: Ades and Kendrick (2004)

Genus *Phucobius* Sharp, 1874***Phucobius simulator* Sharp, 1874**

Notes: Easton (1991)

Family Tenebrionidae**Genus *Gonocephalum* Solier, 1834*****Gonocephalum subspinosum* (Fairmaire, 1894)**

Notes: DSPA (2022)

Genus *Strongylium* Kirby, 1819***Strongylium erythrocephalum* (Fabricius, 1801)**

Notes: Pun and Batalha (1997)

Genus *Tenebrio* Linnaeus, 1758***Tenebrio molitor* Linnaeus, 1758**

Notes: Pun and Batalha (1997)

Genus *Tribolium* Macleay, 1825***Tribolium castaneum* (Herbst, 1797)**

Notes: Pun and Batalha (1997)

Family Trogossitidae**Genus *Tenebroides* Piller & Mitterpacher, 1783*****Tenebroides mauritanicus* (Linnaeus, 1758)**

Notes: Zhang (2006)

Family Vesperidae

Genus *Philus* Saunders, 1853

Philus antennatus (Gyllenhal, 1817)

Notes: Lin et al. (2021)

Philus pallescens Bates, 1866

Philus pallescens subsp. *pallescens* Bates, 1866

Notes: Lin et al. (2021)

Order Hymenoptera

Family Aphelinidae

Genus *Encarsia* Förster, 1878

Encarsia smithi (Silvestri, 1926)

Notes: Heraty et al. (2007)

Encarsia strenua (Silvestri, 1927)

Notes: Heraty et al. (2007)

Family Apidae

Genus *Amegilla* Friese, 1897

Amegilla andresi (Friese, 1914)

Notes: Pun and Batalha (1997)

Genus *Apis* Linnaeus, 1758***Apis cerana* Fabricius, 1793**

Notes: DSPA (2022)

Family Argidae**Genus *Cimbex* Olivier, 1791*****Cimbex femoratus* (Linnaeus, 1758)**

Notes: DSPA (2022)

Family Braconidae**Genus *Euagathis* Szépligeti, 1900*****Euagathis forticarinata* (Cameron, 1899)**

Notes: Achterberg et al. (2014)

Family Chalcididae**Genus *Brachymeria* Westwood, 1829*****Brachymeria lasus* (Walker, 1841)**

Notes: Pun and Batalha (1997)

Family Cimbicidae**Genus *Agenocimbe* Rohwer, 1910*****Agenocimbe jucunda* (Mocsary, 1896)**

Notes: Pun and Batalha (1997)

***Agenocimbe maculatus* (Marlatt, 1898)**

Notes: Pun and Batalha (1997)

Family Dryinidae

Genus *Gonatopus* Ljungh, 1810

Gonatopus nearcticus (Fenton, 1927)

Notes: Barthélémy and Olmi (2019)

Family Eulophidae

Genus *Pediobius* Walker, 1846

Pediobius maximus (Girault, 1919)

Notes: Gumovsky (2001)

Family Eumenidae

Genus *Antepipona* Saussure, 1855

Antepipona biguttata (Fabricius, 1787)

Notes: DSPA (2022)

Genus *Phimenes* Giordani Soika, 1992

Phimenes flavopictus Blanchard, 1845

Notes: Pun and Batalha (1997)

Family Evaniidae

Genus *Evania* Fabricius, 1775

Evania appendigaster (Linnaeus, 1758)

Notes: Pun and Batalha (1997)

Family Formicidae

Genus *Acropyga* Roger, 1862

Acropyga acutiventris Roger, 1862

Notes: MBD (2022)

Acropyga sauteri Forel, 1912

Notes: ACC (2023)

Genus *Anochetus* Mayr, 1861

Anochetus risii Forel, 1900

Notes: MBD (2022)

Genus *Anoplolepis* Santschi, 1914

Anoplolepis gracilipes (Jerdon, 1851)

Notes: MBD (2022)

Genus *Brachyponera* Emery, 1900

Brachyponera obscurans (Walker, 1859)

Notes: MBD (2022)

Brachyponera luteipes (Mayr, 1862)

Notes: ACC (2023)

Brachyponera patagonicus Mayr, 1868

Notes: Brassard et al. (2021)

Genus *Buniapone* Schmidt & Shattuck, 2014

***Buniapone amblyops* (Emery, 1887)**

Notes: Brassard et al. (2020)

Genus *Bothroponera* Mayr, 1862

***Bothroponera rubiginosa* (Emery, 1889)**

Notes: ACC (2023)

Genus *Camponotus* Mayr, 1899

***Camponotus albosparsus* Bingham, 1903**

Notes: Leong et al. (2017)

***Camponotus carin* Emery, 1889**

Notes: Brassard et al. (2021)

***Camponotus irritans* (Smith, 1857)**

Notes: Brassard et al. (2021)

***Camponotus lighti* Wheeler, 1927**

Notes: MBD (2022)

***Camponotus mimus* Wang & Wu, 1994**

Notes: DSPA (2022)

***Camponotus mitis* (Smith, 1858)**

Notes: MBD (2022)

***Camponotus nicobarensis* (Mayr, 1865)**

Notes: MBD (2022)

***Camponotus parius* (Emery, 1889)**

Notes: MBD (2022)

***Camponotus tokioensis* Ito, 1912**

Notes: DSPA (2022)

Camponotus variegatus* (Smith, 1858)**Camponotus variegatus* subsp. *dulcis* Dalla Torre, 1893**

Notes: MBD (2022)

***Camponotus variegatus* subsp. *proles* Emery, 1925**

Notes: MBD (2022)

***Camponotus vitiosus* (Smith, 1874)**

Notes: MBD (2022)

Genus *Carebara* Westwood, 1840***Carebara affinis* (Jerdon, 1851)**

Notes: Brassard et al. (2021)

***Carebara capreola* (Wheeler, 1851)**

Notes: ACC (2023)

***Carebara diversa* (Jerdon, 1920)**

Notes: ACC (2023)

***Carebara laotina* (Santschi, 1920)**

Notes: MBD (2022)

***Carebara melasolena* Zhou & Zheng, 1997**

Notes: Leong et al. (2017)

***Carebara sangi* (Eguchi & Bui, 2007)**

Notes: Brassard et al. (2021)

***Carebara zengchengensis* (Zhou, Zhao & Jia, 2006)**

Notes: MBD (2022)

Genus *Cardiocondyla* Emery, 1869***Cardiocondyla minutior* Forel, 1899**

Notes: MBD (2022)

Genus *Chronoxenus* Santschi, 1919***Chronoxenus dalyi* (Forel, 1895)**

Notes: ACC (2023)

***Chronoxenus walshi* (Forel, 1895)**

Notes: ACC (2023)

Chronoxenus wroughtonil* (Forel, 1895)**Chronoxenus wroughtonil* subsp. *formosensis* (Forel, 1913)**

Notes: ACC (2023)

Genus *Crematogaster* Lund, 1831***Crematogaster binghamii* Forel, 1904**

Notes: Leong (2017)

***Crematogaster biroi* Mayr, 1897**

Notes: ACC (2023)

***Crematogaster dohrni* Mayr, 1879**

Notes: Leong et al. (2017)

***Crematogaster ferrarii* Emery, 1888**

Notes: MBD (2022)

***Crematogaster macaoensis* Wheeler, 1928**

Notes: Leong et al. (2017)

***Crematogaster matsumurai* Forel, 1901**

Notes: Leong et al. (2017)

***Crematogaster artifex* Mayr, 1879**

Notes: Huang and Zhou (2006)

***Crematogaster quadriruga* Forel, 1911**

Notes: MBD (2022)

***Crematogaster rogenhoferi* Mayr, 1879**

Notes: MBD (2022)

Genus *Diacamma* Mayr, 1862***Diacamma rugosum* (Le Guillou, 1841)*****Diacamma rugosum* subsp. *anceps* Emery, 1896**

Notes: ACC (2023)

Genus *Dilobocondyla* Santschi, 1910***Dilobocondyla propotriangulata* Bharti & Kumar, 2013**

Notes: Brassard et al. (2021)

Genus *Dolichoderus* Mayr, 1855***Dolichoderus sibiricus* Emery, 1889**

Notes: Brassard et al. (2021)

***Dolichoderus taprobanae* (Smith, 1858)**

Notes: ACC (2023)

Genus *Ectomomyrmex* Mayr, 1867***Ectomomyrmex annamitus* (André, 1892)**

Notes: Brassard et al. (2021)

***Ectomomyrmex astutus* (Forel, 1886)**

Notes: ACC (2023)

***Ectomomyrmex leeuwenhoekii* (Forel, 1886)**

Notes: MBD (2022)

Genus *Euponera* Forel, 1891***Euponera pilosior* Wheeler, 1928**

Notes: MBD (2022)

***Euponera sharpi* (Forel, 1901)**

Notes: ACC (2023)

Genus *Formica* Linnaeus, 1758***Formica exsecta* Nylander, 1846**

Notes: ACC (2023)

***Formica fusca* Linnaeus, 1758**

Notes: Wheeler (1930)

Genus *Gesomyrmex* Mayr, 1868***Gesomyrmex howardi* Wheeler, 1921**

Notes: Brassard et al. (2021)

Genus *Harpegnathos* Jerdon, 1851***Harpegnathos venator* (Smith, 1858)*****Harpegnathos venator* subsp. *rugosus* (Mayr, 1862)**

Notes: MBD (2022)

Genus *Hypoponera* Santschi, 1938***Hypoponera exoecata* (Wheeler, 1928)**

Notes: MBD (2022)

Genus *Leptanilla* Emery, 1870***Leptanilla macauensis* Leong, Yamane & Guénard, 2018**

Notes: MBD (2022)

Genus *Leptogenys* Roger, (1861)***Leptogenys chinensis* (Mayr, 1870)**

Notes: MBD (2022)

***Leptogenys peuqueti* (André, 1887)**

Notes: MBD (2022)

Genus *Lepisiota* (Mayr, 1861)***Lepisiota rothneyi* (Forel, 1894)*****Lepisiota rothneyi* subsp. *watsonii* (Forel, 1894)**

Notes: MBD (2022)

Genus *Mayriella* Forel, 1902***Mayriella granulata* Dlussky & Radchenko, 1990**

Notes: Brassard et al. (2021)

Genus *Meranoplus* Smith, 1853***Meranoplus bicolor* Guérin-Méneville, 1844**

Notes: Leong (2017)

Genus *Monomorium* Mayr, 1855***Monomorium chinense* Santschi, 1925**

Notes: DSPA (2022)

***Monomorium intrudens* Smith, 1874**

Notes: Brassard et al. (2021)

***Monomorium floricola* (Jerdon, 1851)**

Notes: MBD (2022)

***Monomorium pharaonis* (Linnaeus, 1758)**

Notes: MBD (2022)

Genus *Myrmecina* Curtis, 1829***Myrmecina nomurai* Okido, Ogata & Hosoishsi, 2020**

Notes: Brassard et al. (2021)

***Myrmecina sinensis* Wheeler, 1921**

Notes: MBD (2022)

Genus *Nylanderia* Emery, 1906***Nylanderia amia* (Forel, 1913)**

Notes: MBD (2022)

***Nylanderia bourbonica* (Forel, 1886)**

Notes: Leong et al. (2017)

***Nylanderia indica* (Forel, 1894)**

Notes: Leong et al. (2017)

***Nylanderia sharpii* (Forel, 1899)**

Notes: Brassard et al. (2021)

***Nylanderia taylori* (Forel, 1894)**

Notes: Brassard et al. (2021)

***Nylanderia vividula* (Nylander, 1846)**

Notes: ACC (2023)

***Nylanderia yerburyi* (Forel, 1894)**

Notes: MBD (2022)

Genus *Ochetellus* Shattuck, 1992***Ochetellus glaber* (Mayr, 1862)**

Notes: MBD (2022)

Genus *Odontoponera* Mayr, 1862***Odontoponera denticulate* (Smith, 1858)**

Notes: MBD (2022)

Genus *Ooceraea* Roger, 1862***Ooceraea biroï* (Forel, 1907)**

Notes: MBD (2022)

Genus *Pachycondyla* Smith, 1858***Pachycondyla luteipes* (Mayr, 1862)**

Notes: Yang et al. (2004)

Genus *Paratrechina* Motschulsky, 1863***Paratrechina bourbonica* (Forel, 1886)**

Notes: DSPA (2022)

***Paratrechina flavipes* (Smith, 1874)**

Notes: DSPA (2022)

***Paratrechina longicornis* (Latreille, 1802)**

Notes: MBD (2022)

***Paratrechina sharpi* (Forel, 1899)**

Notes: DSPA (2022)

Genus *Paraparatrechina* Donisthorpe, 1947***Paraparatrechina sauteri* (Forel, 1913)**

Notes: Leong et al. (2017)

Genus *Pheidole* Westwood, 1841***Pheidole elongicephala* Eguchi, 2008**

Notes: Brassard et al. (2021)

***Pheidole fervens* Smith, 1858**

Notes: MBD (2022)

***Pheidole hongkongensis* Wheeler, 1928**

Notes: MBD (2022)

***Pheidole megacephala* (Fabricius, 1793)**

Notes: MBD (2022)

***Pheidole indica* Mayr, 1879**

Notes: Leong et al. (2017)

***Pheidole nodus* Smith, 1874**

Notes: MBD (2022)

***Pheidole ochracea* Eguchi, 2008**

Notes: MBD (2022)

***Pheidole parva* Mayr, 1865**

Notes: MBD (2022)

***Pheidole pieli* Santschi, 1925**

Notes: Brassard et al. (2021)

***Pheidole taipoana* Wheeler, 1928**

Notes: Leong et al. (2017)

***Pheidole tumida* Eguchi, 2008**

Notes: MBD (2022)

***Pheidole vulgaris* Eguchi, 2006**

Notes: Brassard et al. (2021)

***Pheidole zoceana* Santschi, 1925**

Notes: Brassard et al. (2021)

Genus *Plagiolepis* Mayr, 1861***Plagiolepis alluaudi* Emery, 1894**

Notes: Brassard et al. (2021)

Genus *Polyrhachis* Smith, 1857***Polyrhachis confusa* Wong & Guénard, 2020**

Notes: Wong and Guénard (2020)

***Polyrhachis demangei* Santschi, 1910**

Notes: MBD (2022)

***Polyrhachis dives* Smith, 1857**

Notes: MBD (2022)

***Polyrhachis illaudata* Walker, 1859**

Notes: MBD (2022)

***Polyrhachis latona* Wheeler, 1909**

Notes: Wong and Guénard (2020)

***Polyrhachis tyrannica* Smith, 1858**

Notes: Wong and Guénard (2020)

Genus *Probolomyrmex* Mayr, 1901***Probolomyrmex dabermanii* Wheeler, 1928**

Notes: Brassard et al. (2021)

Genus *Pseudolasius* Emery, 1887***Pseudolasius risii* Forel, 1894**

Notes: Brassard et al. (2021)

Genus *Pseudoneoponera* Donisthorpe, 1943***Pseudoneoponera rufipes* (Jerdon, 1851)**

Notes: MBD (2022)

Genus *Recurvidris* Bolton, 1992***Recurvidris recurvispinosa* (Forel, 1890)**

Notes: MBD (2022)

Genus *Rotastruma* Bolton, 1991***Rotastruma stenoceps* Bolton, 1991**

Notes: Brassard et al. (2021)

Genus *Solenopsis* Westwood, 1841***Solenopsis geminata* (Fabricius, 1804)**

Notes: MBD (2022)

***Solenopsis invicta* Buren, 1972**

Notes: MBD (2022)

***Solenopsis jacoti* Wheeler, 1923**

Notes: MBD (2022)

Genus *Strumigenys* Smith, 1860***Strumigenys elegantula* Terayama & Kubota, 1989**

Notes: Brassard et al. (2020)

***Strumigenys emmae* (Emery, 1890)**

Notes: MBD (2022)

***Strumigenys exilirhina* Bolton, 2000**

Notes: MBD (2022)

***Strumigenys feae* Emery, 1895**

Notes: Brassard et al. (2020)

***Strumigenys membranifera* Emery, 1869**

Notes: Brassard et al. (2020)

***Strumigenys minutula* Terayama & Kubota, 1989**

Notes: MBD (2022)

***Strumigenys nepalensis* Baroni Urbani & De Andrade, 1994**

Notes: MBD (2022)

***Strumigenys sauteri* Forel, 1912**

Notes: Brassard et al. (2020)

***Strumigenys subterranea* Brassard, Leong & Guénard, 2020**

Notes: Brassard et al. (2020)

***Strumigenys silvestrii* Emery, 1906**

Notes: Wetterer et al. (2019)

Genus *Stigmatomma* Roger, 1859***Stigmatomma rothneyi* (Forel, 1900)**

Notes: Leong et al. (2017)

Genus *Syllophopsis* Santschi, 1915***Syllophopsis sechellensis* (Emery, 1894)**

Notes: Leong et al. (2017)

Genus *Tapinoma* Foerster, 1850***Tapinoma indicum* Forel, 1895**

Notes: MBD (2022)

***Tapinoma melanocephalum* (Fabricius, 1793)**

Notes: MBD (2022)

Genus *Technomyrmex* Mayr, 1872***Technomyrmex albipes* (Smith, 1861)**

Notes: Leong et al. (2017)

***Technomyrmex antennis* Zhou, 2001**

Notes: DSPA (2022)

***Technomyrmex brunneus* Forel, 1895**

Notes: MBD (2022)

***Technomyrmex horni* Forel, 1912**

Notes: Brassard et al. (2021)

Genus *Tetraponera* Smith, 1852***Tetraponera allaborans* (Walker, 1859)**

Notes: MBD (2022)

***Tetraponera binghami* (Forel, 1902)**

Notes: Brassard et al. (2021)

***Tetraponera nitida* (Smith, 1860)**

Notes: Brassard et al. (2021)

Genus *Tetramorium* Mayr, 1855***Tetramorium bicarinatum* (Nylander, 1846)**

Notes: MBD (2022)

***Tetramorium indicum* Forel, 1913**

Notes: MBD (2022)

***Tetramorium insolens* (Smith, 1861)**

Notes: Brassard et al. (2021)

***Tetramorium kraepelini* Forel, 1905**

Notes: MBD (2022)

***Tetramorium lanuginosum* Mayr, 1870**

Notes: MBD (2022)

***Tetramorium nipponense* Wheeler, 1928**

Notes: MBD (2022)

***Tetramorium parvispinum* (Emery, 1893)**

Notes: MBD (2022)

***Tetramorium simillimum* (Smith, 1851)**

Notes: MBD (2022)

***Tetramorium tonganum* Mayr, 1870**

Notes: Brassard et al. (2021)

***Tetramorium tsushimae* Emery, 1925**

Notes: Guenard (2011)

***Tetramorium wroughtonii* (Forel, 1902)**

Notes: Leong et al. (2017)

Family Ichneumonidae**Genus *Dicamptus* Szépligeti, 1905*****Dicamptus reticulatus* (Cameron, 1899)**

Notes: DSPA (2022)

Genus *Gotra* Cameron, 1902***Gotra octocinctus* (Ashmead, 1906)**

Notes: Pun and Batalha (1997)

Genus *Leptobatopsis* Ashmead, 1900***Leptobatopsis indica* (Cameron, 1897)**

Notes: Pun and Batalha (1997)

Genus *Xanthopimpla* Saussure, 1892***Xanthopimpla pedator* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

Family Pompilidae

Genus *Leptodialepis* Haupt, 1929

Leptodialepis bipartilus (Lepeletier, 1845)

Notes: Pun and Batalha (1997)

Family Scoliidae

Genus *Campsomeriella* Betrem, 1941

Campsomeriella annulata (Fabricius, 1793)

Notes: Pun and Batalha (1997)

Campsomeriella formosensis (Betrem, 1928)

Notes: Pun and Batalha (1997)

Campsomeriella prismatica (Smith, 1855)

Notes: Pun and Batalha (1997)

Genus *Megascolia* Betrem, 1964

Megascolia azurea (Christ, 1791)

Notes: Pun and Batalha (1997)

Genus *Scolia* Fabricius, 1775

Scolia quadripustulata Fabricius, 1782

Notes: DSPA (2022)

Scolia superciliaris Saussure, 1864

Notes: Pun and Batalha (1997)

Family Sphecidae

Genus *Ammophila* Kirby, 1798

Ammophila atripes Smith, 1852

Ammophila atripes subsp. *atripes* Smith, 1852

Notes: Pun and Batalha (1997)

Genus *Chalybion* Dahlbom, 1843

Chalybion japonicum (Gribodo, 1883)

Notes: Pun and Batalha (1997)

Family Vespidae

Genus *Delta* Saussure, 1855

Delta campaniforme (Fabricius, 1775)

Delta campaniforme subsp. *esuriens* (Saussure, 1852)

Notes: Pun and Batalha (1997)

Delta petiolata (Fabricius, 1781)

Notes: Pun and Batalha (1997)

Genus *Labus* Saussure, 1867

Labus lofuensis Giordani Soika, 1973

Notes: Nguyen and Carpenter (2020)

Genus *Parapolybia* Saussure, 1854

Parapolybia varia (Fabricius, 1787)

Notes: Pun and Batalha (1997)

Genus *Polistes* Latreille, 1802***Polistes gigas* (Kirby, 1826)**

Notes: Pun and Batalha (1997)

***Polistes macaensis* (Fabricius, 1793)**

Notes: Barthélémy et al. (2014)

***Polistes olivaceus* (Geer, 1773)**

Notes: Pun and Batalha (1997)

***Polistes sagittarius* Saussure, 1854**

Notes: Pun and Batalha (1997)

***Polistes stigma* (Fabricius, 1793)**

Notes: Pun and Batalha (1997)

Genus *Rhynchium* Spinola, 1806***Rhynchium brunneum* (Fabricius, 1793)**

Notes: Pun and Batalha (1997)

***Rhynchium quinquecinctum* (Fabricius, 1787)**

Notes: Pun and Batalha (1997)

Genus *Vespa* Linnaeus, 1758***Vespa affinis* (Linnaeus, 1764)**

Notes: Pun and Batalha (1997)

Vespa bicolor* Fabricius, 1787**Vespa bicolor* subsp. *bicolor* Fabricius, 1787**

Notes: Pun and Batalha (1997)

Vespa binghami* Buysson, 1905**Vespa binghami* subsp. *binghami* Buysson, 1905**

Notes: DSPA (2022)

***Vespa tropica* Linnaeus, 1758**

Notes: Pun and Batalha (1997)

Family Xylocopidae**Genus *Xylocopa* Latreille, 1802*****Xylocopa iridipennis* Lepeletier, 1841**

Notes: Pun and Batalha (1997)

***Xylocopa tranquabarorum* (Swederus, 1787)**

Notes: DSPA (2022)

Order Hemiptera**Family Acanthosomatidae****Genus *Elasmotethus* Fieber, 1860*****Elasmotethus nubilus* (Dallas, 1851)**

Notes: Pun and Batalha (1997)

Family Aleyrodidae**Genus *Aleurocanthus* Quaintance & Baker, 1914*****Aleurocanthus spiniferus* (Quaintance, 1903)**

Notes: Pun and Batalha (1997)

Genus *Bemisia* Quaintance & Baker, 1914***Bemisia tabaci* (Gennadius, 1889)**

Notes: Li et al. (2011)

Genus *Dialeurodes* Cockerell, 1902***Dialeurodes citri* (Ashmead, 1885)**

Notes: Shahbazvar et al. (2010)

Genus *Trialeurodes* Cockerell, 1902***Trialeurodes vaporariorum* (Westwood, 1856)**

Notes: Pun and Batalha (1997)

Family Alydidae**Genus *Leptocoris* Latreille, 1829*****Leptocoris acuta* (Thunberg, 1783)**

Notes: Pun and Batalha (1997)

Genus *Riptortus* Stål, 1860***Riptortus linearis* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

***Riptortus pedestris* (Fabricius, 1775)**

Notes: DSPA (2022)

Family Aphididae

Genus *Aphis* Linnaeus, 1758

Aphis gossypii Glover, 1877

Notes: Pun and Batalha (1997)

Aphis nerii Fonscolombe, 1841

Notes: Pun and Batalha (1997)

Genus *Formosaphis* Takahashi, 1925

Formosaphis micheliae Takahashi, 1925

Notes: Pun and Batalha (1997)

Genus *Myzus* Passerini, 1860

Myzus persicae (Sulzer, 1776)

Notes: Pun and Batalha (1997)

Genus *Neophyllaphis* Takahashi, 1920

*Neophyllaphis podocarp*i Takahashi, 1920

Notes: Pun and Batalha (1997)

Genus *Tinocallis* Matsumura, 1919

Tinocallis kahawaluokalai (Kirkaldy, 1907)

Notes: Pun and Batalha (1997)

Genus *Shivaphis* Das, 1918

Shivaphis celti Das, 1918

Notes: Pun and Batalha (1997)

Family Aphrophoridae**Genus *Clovio* Stål, 1866*****Clovio quadrangularis* Metcalf & Horton, 1934**

Notes: DSPA (2022)

Family Belostomatidae**Genus *Diplonychus* Laporte, 1833*****Diplonychus rusticus* (Fabricius, 1781)**

Notes: Easton and Pun (1997a)

Genus *Lethocerus* Mayr, 1853***Lethocerus indicus* (Lepeletier & Serville, 1825)**

Notes: Easton and Pun (1997a)

Family Carsidaridae**Genus *Carsidara* Walker, 1869*****Carsidara limbata* (Enderlein, 1926)**

Notes: Mo et al. (2006)

Family Cicadellidae**Genus *Cicadella* Latreille, 1817*****Cicadella viridis* (Linnaeus, 1758)**

Notes: Mo et al. (2006)

Genus *Cofana* Melichar, 1926***Cofana spectra* (Distant, 1908)**

Notes: Pun and Batalha (1997)

Genus *Lodiana* Nielson, 1982***Lodiana brevis* (Walker, 1851)**

Notes: Pun and Batalha (1997)

Genus *Nephotettix* Matsumura, 1902***Nephotettix virescens* (Distant, 1908)**

Notes: Pun and Batalha (1997)

Genus *Petalocephala* Stål, 1854***Petalocephala chlorocephala* (Walker, 1851)**

Notes: Pun and Batalha (1997)

Genus *Typhlocyba* Germar, 1833***Typhlocyba rosae* (Linnaeus, 1758)**

Notes: Mo et al. (2006)

Family Cicadidae**Genus *Balinta* Distant, 1905*****Balinta kershawi* Kirkaldy, 1909**

Notes: Kirkaldy (1909)

Genus *Chremistica* Stål, 1870***Chremistica ochracea* (Walker, 1850)**

Notes: DSPA (2022)

Genus *Cryptotympana* Stål, 1861***Cryptotympana atrata* (Fabricius, 1775)**

Notes: Pun and Batalha (1997)

***Cryptotympana mandarina* Distant, 1891**

Notes: Easton (1992)

***Cryptotympana pustulata* (Fabricius, 1775)**

Notes: Easton (1991)

Genus *Gaeana* Amyot & Audinet-Serville, 1843***Gaeana maculate* (Drury, 1773)**

Notes: Pun and Batalha (1997)

Genus *Huechys* Amyot & Serville, 1843***Huechys sanguinea* (Geer, 1773)**

Notes: Pun and Batalha (1997)

Genus *Platypleura* Amyot & Audinet-Serville, 1843***Platypleura hilpa* Walker, 1850**

Notes: Pun and Batalha (1997)

Family Coccidae

Genus *Ceroplastes* Gray, 1828

Ceroplastes ceriferus (Fabricius, 1798)

Notes: Pun and Batalha (1997)

Genus *Saissetia* Déplanche, 1859

Saissetia hemisphaerica (Targioni-Tozzetti, 1867)

Notes: Pun and Batalha (1997)

Family Coreidae

Genus *Acanthocoris* Amyot & Serville, 1843

Acanthocoris scaber (Linnaeus, 1763)

Notes: Pun and Batalha (1997)

Genus *Cletus* Stål, 1860

Cletus punctiger (Dallas, 1852)

Notes: DSPA (2022)

Cletus trigonus (Thunberg, 1783)

Notes: Pun and Batalha (1997)

Genus *Gralliclava* Dolling, 1978

Gralliclava horrens (Dohrn, 1860)

Notes: Pun and Batalha (1997)

Genus *Homoeocerus* Burmeister, 1835***Homoeocerus unipunctatus* (Thunberg, 1783)**

Notes: Pun and Batalha (1997)

Genus *Mictis* Leach, 1814***Mictis tenebrosa* (Fabricius, 1787)**

Notes: Pun and Batalha (1997)

Genus *Notobitus* Stål, 1860***Notobitus meleagris* (Fabricius, 1787)**

Notes: Pun and Batalha (1997)

Genus *Paradasynus* China, 1934***Paradasynus spinosus* Hsiao, 1963**

Notes: Pun and Batalha (1997)

Family Cydnidae**Genus *Adrisa* Amyot & Serville, 1843*****Adrisa magna* (Uhler, 1860)**

Notes: Pun and Batalha (1997)

Genus *Fromundus* Distant, 1901***Fromundus pygmaeus* (Dallas, 1851)**

Notes: DSPA (2022)

Family Delphacidae

Genus *Belocera* Hyatt, 1884

Belocera sinensis Muir, 1913

Notes: Brassard et al. (2020)

Genus *Cemus* Fennah, 1964

Cemus macaoensis (Muir, 1913)

Notes: Brassard et al. (2020)

Genus *Opiconsiva* Distant, 1917

Opiconsiva sameshimai (Matsumura & Ishihara, 1945)

Notes: DSPA (2022)

Genus *Pseudaraeopus* Kirkaldy, 1904

Pseudaraeopus sacchari (Muir, 1913)

Notes: Brassard et al. (2020)

Family Diaspididae

Genus *Aulacaspis* Cockerell 1893

Aulacaspis thoracia (Robinson, 1917)

Notes: Mo et al. (2006)

Aulacaspis rosarum Borchsenius, 1958

Notes: Pun and Batalha (1997)

Aulacaspis yabunikkei (Kuwana, 1926)

Notes: Pun and Batalha (1997)

Genus *Hemiberlesia* Cockerell, 1897***Hemiberlesia pitysophila* Takagi, 1969**

Notes: Pun and Batalha (1997)

Genus *Lepidosaphes* Shimer, 1868***Lepidosaphes laterochitinsa* Green, 1925**

Notes: Pun and Batalha (1997)

Genus *Parlatoria* Targioni-Tozzetti, 1868***Parlatoria pergandii* Comstock, 1881**

Notes: Pun and Batalha (1997)

***Parlatoria proteus* (Curtis, 1843)**

Notes: Mo et al. (2006)

Genus *Pseudaulacaspis* Mac Gillivray, 1921***Pseudaulacaspis cockerelli* (Cooley, 1897)**

Notes: Pun and Batalha (1997)

***Pseudaulacaspis pentagona* (Targioni-Tozzetti, 1886)**

Notes: Mo et al. (2006)

Family Dictyopharidae**Genus *Dictyophara* Germar, 1833*****Dictyophara patruelis* (Stål, 1859)**

Notes: Mo et al. (2006)

Family Dinidoridae

Genus *Cyclopelta* Amyot & Serville, 1843

Cyclopelta obscura (Lepeletier & Serville, 1828)

Notes: Pun and Batalha (1997)

Genus *Megymenum* Guérin-Méneville, 1831

Megymenum brevicorne (Fabricius, 1787)

Notes: Pun and Batalha (1997)

Megymenum inerme (Herrich-Schäffer, 1840)

Notes: Easton and Pun (1997a)

Family Flatidae

Genus *Lawana* Distant, 1906

Lawana imitata (Melichar, 1902)

Notes: Pun and Batalha (1997)

Genus *Salurnis* Stål, 1870

Salurnis marginella (Guérin-Méneville, 1829)

Notes: DSPA (2022)

Family Fulgoridae

Genus *Fulgora* Linnaeus, 1767

Fulgora candelaria (Linnaeus, 1758)

Notes: Pun and Batalha (1997)

Family Gerridae

Genus *Aquarius* Schellenberg, 1800

Aquarius paludum (Fabricius, 1794)

Notes: Easton and Pun (1997a)

Family Largidae

Genus *Physopelta* Amyot & Serville, 1843

Physopelta gutta (Burmeister, 1834)

Notes: Pun and Batalha (1997)

Family Lygaeidae

Genus *Geocoris* Fallen, 1814

Geocoris ochropterus (Fieber, 1844)

Notes: DSPA (2022)

Genus *Graptostethus* Stål, 1868

Graptostethus servus Fabricius, 1787

Notes: DSPA (2022)

Genus *Nysius* Dallas, 1852

Nysius inconspicus Distant, 1904

Notes: DSPA (2022)

Family Margarodidae

Genus *Lcerya* Signoret, 1875

Lcerya aegyptiaca (Douglas, 1890)

Notes: DSPA (2022)

Lcerya purchasi (Maskell, 1878)

Notes: Pun and Batalha (1997)

Family Membracidae

Genus *Tricentus* Stål, 1866

Tricentus albomaculatus Distant, 1908

Notes: DSPA (2022)

Family Miridae

Genus *Lygocoris* Reuter, 1875

Lygocoris lucorum Hoberlandt, 1956

Notes: DSPA (2022)

Genus *Stenodema* Laporte, 1832

Stenodema elegans Reuter, 1904

Notes: DSPA (2022)

Family Nabidae

Genus *Nabis* Latreille, 1802

Nabis stenoferus Hsiao, 1964

Notes: Pun and Batalha (1997)

Family Notonectidae

Genus *Enithares* Spinola, 1837

Enithares biimpressa (Uhler, 1860)

Notes: Easton and Pun (1997a)

Family Pentatomidae

Genus *Dalpada* Amyot & Serville, 1843

Dalpada nodifera Walker, 1867

Notes: Mo et al. (2006)

Dalpada oculata (Fabricius, 1775)

Notes: Pun and Batalha (1997)

Genus *Eocanthecona* Bergroth, 1915

Eocanthecona concinna (Walker, 1867)

Notes: Pun and Batalha (1997)

Eocanthecona furcellata (Wolff, 1801)

Notes: Easton and Pun (1997a)

Genus *Erthesina* Spinola, 1837

Erthesina fullo (Thunberg, 1783)

Notes: Pun and Batalha (1997)

Genus *Eysarcoris* Hahn, 1834

Eysarcoris guttigerus (Thunberg, 1783)

Notes: Easton and Pun (1997a)

Genus *Halyomorpha* Mayr, 1864***Halyomorpha halys* (Stål, 1855)**

Notes: Easton and Pun (1997a)

Genus *Melanophara* Stål, 1867***Melanophara dentata* Haglund, 1868**

Notes: Easton and Pun (1997a)

Genus *Megarrhamphus* Bergroth, 1891***Megarrhamphus hastatus* (Fabricius, 1803)**

Notes: Easton and Pun (1997a)

Genus *Nezara* Amyot & Serville, 1843***Nezara viridula* (Linnaeus, 1758)**

Notes: Pun and Batalha (1997)

Genus *Piezodorus* Fieber, 1860***Piezodorus hybneri* (Gmelin, 1790)**

Notes: Easton and Pun (1997a)

Genus *Plautia* Stål, 1865***Plautia crossota* (Dallas, 1851)**

Notes: Easton and Pun (1997a)

Genus *Rhynchocoris* Westwood, 1837***Rhynchocoris humeralis* (Thunberg, 1783)**

Notes: Pun and Batalha (1997)

Genus *Scotinophara* Stål, 1867***Scotinophara bispinosa* Fabricius, 1798**

Notes: DSPA (2022)

***Scotinophara scotti* Horváth, 1879**

Notes: DSPA (2022)

Genus *Tetroda* Amyot & Serville, 1843***Tetroda denticulifera* Bergr, 1915**

Notes: Easton and Pun (1997a)

***Tetroda histeroides* (Fabricius, 1798)**

Notes: Pun and Batalha (1997)

Genus *Tolumnia* Stål, 1868***Tolumnia latipes* (Dallas, 1851)**

Notes: Pun and Batalha (1997)

Genus *Eysarcoris* Hahn, 1834***Eysarcoris guttigerus* (Thunberg, 1783)**

Notes: Pun and Batalha (1997)

Genus *Udonga* Distant, 1921***Udonga spinidens* Distant, 1921**

Notes: Easton and Pun (1997a)

Genus *Zicrona* Amyot & Aerville, 1843***Zicrona caerulea* (Linnaeus, 1758)**

Notes: Easton and Pun (1997a)

Family Plataspidae**Genus *Brachyplatys* Boisduval, 1835*****Brachyplatys subaeneus* (Westwood, 1837)**

Notes: Pun and Batalha (1997)

Genus *Coptosoma* Laporte, 1833***Coptosoma variegatum* (Herrich-Schaeffer, 1838)**

Notes: Pun and Batalha (1997)

Genus *Megacopta* Hsiao & Ren, 1977***Megacopta cribraria* (Fabricius, 1798)**

Notes: Pun and Batalha (1997)

Family Pseudococcidae**Genus *Dysmicoccus* Ferris, 1950*****Dysmicoccus neobrevipes* (Beardsley, 1959)**

Notes: Fu et al. (2012)

Genus *Eumnymococcus* Silvestri, 1926***Eumnymococcus smithii* Silvestri, 1926**

Notes: Fang et al. (2001)

Genus *Maconellicoccus* Ezzat, 1958***Maconellicoccus hirsutus* (Green, 1908)**

Notes: Pun and Batalha (1997)

Family Psyllidae**Genus *Diaphorina* Low, 1879*****Diaphorina citri* Kuwayama, 1908**

Notes: Kondo et al. (2015)

Genus *Macrohomotoma* Kuwayama, 1907***Macrohomotoma striatum* Crawford, 1925**

Notes: Pun and Batalha (1997)

Family Pyrrhocoridae**Genus *Dindymus* Stål, 1861*****Dindymus sanguineus* (Fabricius, 1787)**

Notes: MBD (2022)

***Dindymus rubiginosus* (Fabricius, 1787)**

Notes: Easton and Pun (1997a)

Genus *Dysdercus* Amyot & Setville, 1831***Dysdercus cingulatus* (Fabricius, 1775)**

Notes: Mo et al. (2006)

***Dysdercus poecilus* (Herrich-Schaefer, 1843)**

Notes: DSPA (2022)

Genus *Leptocoris* Hahn, 1833***Leptocoris augur* (Fabricius, 1781)**

Notes: DSPA (2022)

Family Reduviidae**Genus *Ectomocoris* Mayr, 1865*****Ectomocoris apicimaculatus* Distant, 1919**

Notes: Easton and Pun (1997a)

***Ectomocoris atrox* (Stål, 1855)**

Notes: Pun and Batalha (1997)

Genus *Ectrychotes* Burmeister, 1835***Ectrychotes andreae* (Thunberg, 1784)**

Notes: Pun and Batalha (1997)

Genus *Oncocephalus* Klug, 1830***Oncocephalus impudicus* Reuter, 1882**

Notes: Easton and Pun (1997a)

Genus *Opistolatys* Westwood, 1834***Opistolatys perakensis* Miller, 1940**

Notes: DSPA (2022)

Genus *Polididus* Stål, 1858***Polididus armatissimus* Stål, 1860**

Notes: Easton and Pun (1997a)

Genus *Sastrapada* Amyot & Serville, 1843***Sastrapada hsiao* Maldonado, 1987**

Notes: DSPA (2022)

Genus *Scadra* Stål, 1859***Scadra costalis* (Lethierry, 1888)**

Notes: Easton and Pun (1997a)

***Scadra wuchengfui* China, 1940**

Notes: DSPA (2022)

Genus *Sycanus* Amyot & Serville, 1843***Sycanus crocevittatus* Dohrn, 1859**

Notes: Easton and Pun (1997a)

Genus *Triatoma* Laporte, 1833***Triatoma rubrofasciata* (DeGeer, 1773)**

Notes: Easton and Pun (1997a)

Genus *Tribelocephala* Stål, 1854***Tribelocephala walkeri* China, 1940**

Notes: Pun and Batalha (1997)

Family Rhyparochromidae**Genus *Horridipamera* Malipatil, 1978*****Horridipamera nietneri* (Dohrn, 1860)**

Notes: Easton and Pun (1997a)

Genus *Metochus* Scott, 1874***Metochus abbreviatus* Scott, 1874**

Notes: Pun and Batalha (1997)

***Metochus hainanensis* Zheng & Zou, 1981**

Notes: Easton and Pun (1997a)

***Metochus uniguttatus* (Thunberg, 1822)**

Notes: Easton and Pun (1997a)

Genus *Pamerana* Distant, 1909***Pamerana scotti* (Distant, 1901)**

Notes: DSPA (2022)

Genus *Paromius* Fieber, 1860***Paromius exiguus* (Distant, 1883)**

Notes: Easton and Pun (1997a)

***Paromius piratodes* (Costa, 1864)**

Notes: DSPA (2022)

Family Ricaniidae**Genus *Ricania* Germar, 1818*****Ricania guttata* (Walker, 1851)**

Notes: MBD (2022)

Family Scutelleridae

Genus *Calliphara* Germar, 1839

Calliphara nobilis (Linnaeus, 1763)

Notes: Easton and Pun (1997a)

Genus *Cantao* Amyot & Serville, 1843

Cantao ocellatus (Thunberg, 1784)

Notes: Pun and Batalha (1997)

Genus *Chrysocoris* Hahn, 1834

Chrysocoris fascialis (White, 1842)

Notes: Tsai and Redei (2009)

Chrysocoris stollii (Wolff, 1801)

Notes: Pun and Batalha (1997)

Family Tessaratomidae

Genus *Tessaratoma* Berthold, 1827

Tessaratoma papillosa (Drury, 1773)

Notes: Pun and Batalha (1997)

Family Tingidae

Genus *Stephanitis* Stål, 1873

Stephanitis pyrioides (Scott, 1874)

Notes: Pun and Batalha (1997)

Family Tropiduchidae

Genus *Kallitaxila* Kirkaldy, 1901

Kallitaxila macaoana (Muir, 1913)

Notes: Brassard et al. (2020)

Genus *Trypetimorpha* Costa, 1862

Trypetimorpha biermani (Dammerman, 1910)

Notes: Brassard et al. (2020)

Order Diptera

Family Agromyzidae

Genus *Liriomyza* Mik, 1894

Liriomyza sativae Blanchard, 1938

Notes: Mo et al. (2006)

Family Anthomyiidae

Genus *Anthomyia* Meigen, 1803

Anthomyia illocata Walker, 1856

Notes: DSPA (2022)

Family Bombyliidae

Genus *Ligyra* Newman, 1841

Ligyra tantalus (Fabricius, 1794)

Notes: Pun and Batalha (1997)

Genus *Pterobates* Bezzi, 1921***Pterobates pennipes* (Wiedemann, 1821)**

Notes: Yang et al. (2018)

Family Calliphoridae**Genus *Chrysomya* Robineau-Desvoidy, 1830*****Chrysomya megacephala* (Fabricius, 1794)**

Notes: Easton (1992)

Genus *Hemipyrellia* Townsend, 1918***Hemipyrellia ligurriens* (Wiedemann, 1830)**

Notes: DSPA (2022)

Genus *Stomorphina* Rondani, 1861***Stomorphina obsoleta* Wiedemann, 1830**

Notes: DSPA (2022)

Genus *Tainanina* Villeneuve, 1926***Tainanina pilisquama* (Senior-White, 1925)**

Notes: Kurahashi and Chowanadisai (2001)

Family Ceratopogonidae**Genus *Dasyhelea* Kieffer, 1911*****Dasyhelea dixa* Yu, Wu & Gong, 2010**

Notes: Sun et al. (2010)

***Dasyhelea fornicatus* Yu & Liu, 2005**

Notes: Yu and Huang (2006)

***Dasyhelea gongylophoda* Yu, 2006**

Notes: Yu and Huang (2006)

***Dasyhelea hei* Yu, Sun & Gong, 2010**

Notes: Sun et al. (2010)

***Dasyhelea ludingensis* Zhang & Yu, 1996**

Notes: Yu and Huang (2006)

***Dasyhelea linlinigae* Yu, 2006**

Notes: Yu and Huang (2006)

***Dasyhelea occasus* Zhang & Yu, 1996**

Notes: Sun et al. (2010)

Genus *Forcipomyia* Meigen, 1818***Forcipomyia hydatus* Liu, Yan & Liu, 1996**

Notes: Yu and Huang (2006)

***Forcipomyia psilonota* (Kieffer, 1911)**

Notes: Yu and Huang (2006)

Genus *Lasiohelea* Keiffer, 1921***Lasiohelea taiwana* Shiraki, 1923**

Notes: Yu and Huang (2006)

Family Chironomidae

Genus *Ablabesmyia* Johannsen, 1905

Ablabesmyia alba Chaudhuri, Debnath & Nandi, 1983

Notes: Niitsuma and Tang (2019)

Ablabesmyia maculitibialis Chaudhuri, Debnath & Nandi, 1983

Notes: Niitsuma and Tang (2019)

Ablabesmyia pectinata Niitsuma & Tang, 2019

Notes: Niitsuma and Tang (2019)

Genus *Nilodosis* Kieffer, 1921

Nilodosis austrosinensis Tang & Cranston, 2017

Notes: Tang and Cranston (2017)

Genus *Paratanytarsus* Thienemann & Bause, 1913

Paratanytarsus nanyuensis Li & Tang, 2021

Notes: Li and Tang (2021)

Genus *Polypedilum* Kieffer, 1921

Polypedilum masudai (Tokunaga, 1938)

Notes: Tang et al. (2014)

Polypedilum nodosum (Johannsen, 1932)

Notes: Tang et al. (2014)

Family Culicidae

Genus *Aedes* Meigen, 1818

Aedes aegypti (Linnaeus, 1762)

Notes: Qu (2001)

Aedes albopictus (Skuse, 1895)

Notes: Qu (2001)

Aedes togoi (Theobald, 1907)

Notes: Qu (2001)

Aedes taeniorhynchus (Wiedemann, 1821)

Notes: Lázaro et al. (2017)

Aedes w-albus (Theobald, 1905)

Notes: Ribeiro (1997)

Genus *Anopheles* Meigen, 1818

Anopheles jeyporiensis James, 1902

Notes: Qu (2001)

Anopheles karwari (James, 1903)

Notes: Qu (2001)

Anopheles maculatus Theobald, 1901

Notes: Qu (2001)

Anopheles minimus Theobald, 1901

Notes: Qu (2001)

***Anopheles sinensis* Wiedemann, 1828**

Notes: Qu (2001)

***Anopheles tessellatus* Theobald, 1901**

Notes: Qu (2001)

Genus *Armigeres* Theobald, 1901***Armigeres magnus* (Theobald, 1908)**

Notes: Qu (2001)

***Armigeres subalbatus* (Coquillett, 1898)**

Notes: Qu (2001)

Genus *Culex* Linnaeus, 1758***Culex bitaeniorhynchus* Giles, 1901**

Notes: Qu (2001)

***Culex fuscocephala* Theobald, 1907**

Notes: Qu (2001)

***Culex jacksoni* Edwards, 1934**

Notes: Qu (2001)

***Culex pseudovishnui* Colless, 1957**

Notes: Qu (2001)

***Culex quinquefasciatus* Say, 1823**

Notes: Qu (2001)

***Culex sitiens* Wiedemann, 1828**

Notes: Qu (2001)

***Culex tritaeniorhynchus* Giles, 1901**

Notes: Qu (2001)

***Culex vagans* Wiedemann, 1828**

Notes: Qu (2001)

***Culex vishnui* Theobald, 1901**

Notes: Qu (2001)

***Culex pallidothorax* Theobald, 1905**

Notes: Qu (2001)

***Culex foliatus* Brug, 1932**

Notes: Qu (2001)

***Culex malayi* (Leicester, 1908)**

Notes: Qu (2001)

***Culex infantulus* Edwards, 1922**

Notes: Qu (2001)

***Culex rubithoracis* (Leicester, 1908)**

Notes: Qu (2001)

***Culex sumatranus* Brug, 1931**

Notes: Qu (2001)

***Culex fuscus* Wiedemann, 1820**

Notes: Qu (2001)

Genus *Lutzia* Theobald, 1903***Lutzia halifaxii* (Theobald, 1903)**

Notes: Qu (2001)

Genus *Mansonia* Blanchard, 1901***Mansonia uniformis* (Theobald, 1901)**

Notes: Qu (2001)

Genus *Mimomyia* Theobald, 1903***Mimomyia chamberlaini* Ludlow, 1904**

Notes: Qu (2001)

Genus *Toxorhynchites* Theobald, 1901***Toxorhynchites macaensis* Ribeiro, 1997**

Notes: Qu (2001)

Genus *Tripteroides* Giles, 1904***Tripteroides aranoides* (Theobald, 1901)**

Notes: Qu (2001)

Genus *Uranotaenia* Lynch Arribálzaga, 1891***Uranotaenia annandalei* Berraud, 1926**

Notes: Qu (2001)

***Uranotaenia macfarlanei* Edwards, 1914**

Notes: Qu (2001)

Family Dolichopodidae

Genus *Chrysosoma* Guérin-Ménéville, 1831

Chrysosoma globiferum (Wiedemann, 1830)

Notes: DSPA (2022)

Family Muscidae

Genus *Lispe* Latreille, 1796

Lispe assimilis Wiedemann, 1824

Notes: DSPA (2022)

Genus *Musca* Linnaeus, 1758

Musca domestica Linnaeus, 1758

Notes: DSPA (2022)

Musca sorbens Wiedemann, 1830

Notes: DSPA (2022)

Genus *Muscina* Robineau-Desvoidy, 1830

Muscina stabulans (Fallén, 1817)

Notes: DSPA (2022)

Genus *Ophyra* Robineau-Desvoidy, 1830

Ophyra chalcogaster (Wiedemann, 1824)

Notes: DSPA (2022)

Genus *Pygophora* Schiner, 1868

***Pygophora immaculipennis* Frey, 1917**

Notes: DSPA (2022)

Genus *Synthesiomyia* Brauer & Bergenstamm, 1893

***Synthesiomyia nudiseta* Wulp, 1883**

Notes: DSPA (2022)

Family Psychodidae

Genus *Sergentomyia* Franca & Parrot, 1920

***Sergentomyia barraudi* (Sinton, 1929)**

Notes: Qu (2001)

Family Sarcophagidae

Genus *Boettcherisca* Rohdendorf, 1937

***Boettcherisca peregrine* Robineau-Desvoidy, 1830**

Notes: DSPA (2022)

Genus *Sarcophaga* Meigen, 1826

***Sarcophaga kemp* (Senior-White, 1924)**

Notes: DSPA (2022)

***Sarcophaga albiceps* Meigen, 1826**

Notes: DSPA (2022)

***Sarcophaga princeps* (Wiedemann, 1830)**

Notes: DSPA (2022)

Family Simuliidae

Genus *Simulium* Latreille, 1802

Simulium aureohirtum Brunetti, 1911

Notes: Qu (2001)

Family Stratiomyiidae

Genus *Hermetia* Latreille, 1804

Hermetia illucens (Linnaeus, 1758)

Notes: DSPA (2022)

Family Streblidae

Genus *Raymondia* Frauenfeld, 1856

Raymondia pagodarum Speiser, 1900

Notes: Easton (1992)

Family Syrphidae

Genus *Allobaccha* Curran, 1928

Allobaccha apicalis (Loew, 1858)

Notes: DSPA (2022)

Genus *Asarkina* Macquart, 1842

Asarkina porcina (Coquillett, 1898)

Notes: DSPA (2022)

Genus *Episyrphus* Matsumura & Adachi, 1917***Episyrphus balteatus* (Geer, 1776)**

Notes: DSPA (2022)

Genus *Eristalis* Latreille, 1804***Eristalis tenax* (Linnaeus, 1758)**

Notes: Easton (1993)

Genus *Eristalinus* Rondani, 1845***Eristalinus megacephalus* (Rossi, 1794)**

Notes: Easton (1993)

Genus *Helophilus* Fabricius, 1805***Helophilus pendulus* (Linnaeus, 1758)**

Notes: DSPA (2022)

Genus *Ischiodon* Sack, 1913***Ischiodon scutellaris* (Fabricius, 1805)**

Notes: DSPA (2022)

Genus *Phytomia* Guérin-Ménéville, 1833***Phytomia errans* (Fabricius, 1787)**

Notes: DSPA (2022)

Genus *Scaeva* Fabricius, 1805***Scaeva selenitica* (Meigen, 1822)**

Notes: Pun and Batalha (1997)

Genus *Syritta* Lepeletier & Serville, 1828***Syritta orientalis* Macquart, 1842**

Notes: Pun and Batalha (1997)

Family Tabanidae**Genus *Chrysops* Meigen, 1803*****Chrysops vanderwulpi* Kröber, 1929**

Notes: Yang et al. (2018)

Family Tachinidae**Genus *Cuphocera* Macquart, 1845*****Cuphocera varia* (Fabricius, 1794)**

Notes: DSPA (2022)

Family Tephritidae**Genus *Bactrocera* Macquart, 1835*****Bactrocera cucurbitae* (Coquillett, 1899)**

Notes: Pun and Batalha (1997)

***Bactrocera dorsalis* (Hendel, 1912)**

Notes: Pun and Batalha (1997)

***Bactrocera latifrons* (Hendel, 1912)**

Notes: DSPA (2022)

***Bactrocera tau* (Walker, 1849)**

Notes: Pun and Batalha (1997)

Genus *Diarrhegma* Bezzi, 1913***Diarrhegma modestum* (Fabricius, 1805)**

Notes: Pun and Batalha (1997)

Order Odonata**Family Aeshnidae****Genus *Anaciaeschna* Selyss, 1878*****Anaciaeschna jaspidea* (Burmeister, 1839)**

Notes: Easton and Liang (2000)

Genus *Anax* Leach, 1815***Anax guttatus* (Burmeister, 1839)**

Notes: Li et al. (2015)

***Anax immaculifrons* Rambur, 1842**

Notes: Easton and Liang (2000)

Anax parthenope* (Selys, 1839)**Anax parthenope* subsp. *julius* (Brauer, 1865)**

Notes: Easton and Liang (2000)

Genus *Gynacantha* Rambur, 1842***Gynacantha subinterrupta* Rambur, 1842**

Notes: Li et al. (2015)

Family Coenagrionidae

Genus *Agriocnemis* Selys, 1869

Agriocnemis femina (Brauer, 1868)

Agriocnemis femina subsp. *oryzae* (Lieftinck, 1962)

Notes: Li et al. (2015)

Agriocnemis pygmaea (Rambur, 1842)

Notes: Li et al. (2015)

Genus *Ceriagrion* Selys, 1876

Ceriagrion aeruginosum (Brauer, 1869)

Notes: Li et al. (2015)

Ceriagrion auranticum Fraser, 1922

Ceriagrion auranticum subsp. *ryukyuanum* Asahina, 1967

Notes: MBD (2022)

Genus *Cercion* Navas, 1907

Cercion sexlineatum (Selxy, 1833)

Notes: Easton and Liang (2000)

Cercion melanotum (Selys, 1876)

Notes: Li et al. (2015)

Genus *Ischnura* Charpentier, 1840

Ischnura aurora Brauer, 1865

Notes: Wilson and Xu (2007)

***Ischnura senegalensis* (Rambur, 1842)**

Notes: MBD (2022)

Genus *Mortonagrion* Fraser, 1920

Notes: MBD (2022)

***Mortonagrion hirosei* Asahina, 1972**

Notes: Pun and Batalha (1997)

Genus *Paracercion* Weekers & Dumont, 2004***Paracercion calamorum* (Ris, 1916)*****Paracercion calamorum* subsp. *dyeri* (Fraser, 1920)**

Notes: Wilson and Xu (2007)

Family Gomphidae**Genus *Ictinogomphus* Cowley, 1934*****Ictinogomphus pertinax* (Selys, 1854)**

Notes: Li et al. (2015)

Genus *Sinictinogomphus* Frasers, 1939***Sinictinogomphus clavatus* (Fabricius, 1775)**

Notes: Li et al. (2015)

Family Libellulidae**Genus *Acisoma* Rambur, 1842*****Acisoma panorpoides* (Rambur, 1842)**

Notes: Li et al. (2015)

Genus *Brachydiplax* Brauer, 1868***Brachydiplax chalybea* Brauer, 1868*****Brachydiplax chalybea* subsp. *flavovittata* Ris, 1911**

Notes: Li et al. (2015)

Genus *Brachythemis* Brauer, 1868***Brachythemis contaminate* (Fabricius, 1793)**

Notes: Li et al. (2015)

Genus *Crocothemis* Brauer, 1868***Crocothemis servilia* (Drury, 1773)**

Notes: Li et al. (2015)

Genus *Diplacodes* Kirby, 1889***Diplacodes trivialis* (Rambur, 1842)**

Notes: Li et al. (2015)

Genus *Hydrobasileus* Kirby, 1889***Hydrobasileus croceus* (Fraser, 1927)**

Notes: Li et al. (2015)

Genus *Lyriothemis* Brauer, 1868***Lyriothemis elegantissima* Sely, 1883**

Notes: Li et al. (2015)

Genus *Macrodiplax* Brauer, 1868

***Macrodiplax cora* (Brauer, 1867)**

Notes: Li et al. (2015)

Genus *Neurothemis* Brauer, 1867

***Neurothemis tullia* (Drury, 1773)**

***Neurothemis tullia* subsp. *tullia* (Drury, 1773)**

Notes: Li et al. (2015)

Genus *Orthetrum* Hagen, 1861

***Orthetrum chrysis* (Selys, 1891)**

Notes: MBD (2022)

***Orthetrum glaucum* (Brauer, 1865)**

Notes: Li et al. (2015)

***Orthetrum luzonicum* (Brauer, 1868)**

Notes: Li et al. (2015)

***Orthetrum melania* (Selys, 1883)**

Notes: Easton and Liang (2000)

***Orthetrum pruinosum* (Burmeister, 1839)**

***Orthetrum pruinosum* subsp. *neglectum* (Rambur, 1842)**

Notes: Li et al. (2015)

***Orthetrum sabium* (Drury, 1770)**

Notes: Li et al. (2015)

Genus *Pantala* Hagen, 1861***Pantala flavescens* (Fabricius, 1798)**

Notes: MBD (2022)

Genus *Pseudothemis* Kirby, 1889***Pseudothemis zonata* (Burmeister, 1839)**

Notes: Li et al. (2015)

Genus *Rhyothemis* Hagen, 1867***Rhyothemis variegata* (Linnaeus & Johansson, 1763)**

Notes: Li et al. (2015)

***Rhyothemis fuliginosa* Selys, 1883**

Notes: Li et al. (2015)

***Rhyothemis triangularis* (Kirby, 1889)**

Notes: Li et al. (2015)

Genus *Tholymis* Hagen, 1867***Tholymis tillarga* Fabricius, 1798**

Notes: DSPA (2022)

Genus *Tramea* Hagen, 1886***Tramea virginia* (Rambur, 1842)**

Notes: Li et al. (2015)

Genus *Trithemis* Brauer, 1868***Trithemis aurora* (Burmeister, 1839)**

Notes: Li et al. (2015)

***Trithemis festiva* (Rambur, 1842)**

Notes: Li et al. (2015)

Genus *Urothemis* Brauer, 1868***Urothemis signata* (Rambur, 1842)**

Notes: Li et al. (2015)

Genus *Zyxomma* Rambur, 1842***Zyxomma petiolatum* Rambur, 1842**

Notes: Li et al. (2015)

Genus *Zygonyx* Hagen, 1867***Zygonyx iris* Selys, 1869*****Zygonyx iris* subsp. *insignis* (Kirby, 1900)**

Notes: Li et al. (2015)

Family Platycnemididae**Genus *Copera* Kirby, 1890*****Copera ciliate* (Selys, 1863)**

Notes: Li et al. (2015)

***Copera marginipes* (Rambur, 1842)**

Notes: MBD (2022)

Family Protoneuridae

Genus *Prodasineura* Cowley, 1934

Prodasineura autumnalis (Fraser, 1922)

Notes: Easton and Liang (2000)

Prodasineura nigra (Fraser, 1922)

Notes: Li et al. (2015)

Prodasineura verticalis (Selys, 1860)

Notes: Easton and Liang (2000)

Order Orthoptera

Family Acrididae

Genus *Acrida* Linnaeus, 1758

Acrida cinerea (Thunberg, 1815)

Notes: Pun and Batalha (1997)

Genus *Gelastorhinus* Brunner-Wattenbowl, 1893

Gelastorhinus chinensis Willenmse, 1932

Notes: Liang and Easton (1995)

Genus *Gonista* Bolivar, 1898

Gonista bicolor (Haan, 1842)

Notes: Liang and Easton (1995)

Genus *Phlaeoba* Stål, 1860***Phlaeoba antennata* Brunner-Wattenbowl, 1893**

Notes: Liang and Easton (1995)

Family Arcypteridae**Genus *Ceracris* Walker, 1870*****Ceracris fasciata* (Brunner-Wattenbowl, 1893)**

Notes: Pun and Batalha (1997)

Family Catantopidae**Genus *Apalacris* Walker, 1870*****Apalacris nigrogeniculata* Bi, 1984**

Notes: Liang and Easton (1995)

Genus *Chondracris* Uvarov, 1923***Chondracris rosea* (Geer, 1773)**

Notes: Liang and Easton (1995)

Genus *Epistaurus* Bolivar, 1889***Epistaurus aberrans* Brunner-Wattenbowl, 1893**

Notes: Liang and Easton (1995)

Genus *Eucoptacra* Bolivar, 1902***Eucoptacra praemora* (Stål, 1860)**

Notes: Liang and Easton (1995)

Genus *Eyprepocnemis* Fieber, 1853***Eyprepocnemis hokutensis* Shiraki, 1910**

Notes: Liang and Easton (1995)

Genus *Gesonula* Uvarov, 1940***Gesonula punctifrons* (Stål, 1861)**

Notes: Liang and Easton (1995)

Genus *Hieroglyphus* Krauss, 1877***Hieroglyphus annulicornis* (Shiraki, 1910)**

Notes: Pun and Batalha (1997)

Genus *Oxya* Audinet-Serville, 1831***Oxya chinensis* (Thunberg, 1815)**

Notes: Liang and Easton (1995)

***Oxya intricate* (Stål, 1861)**

Notes: DSPA (2022)

Genus *Patanga* Uvarov, 1923***Patanga succincta* (Johansson, 1763)**

Notes: Pun and Batalha (1997)

Genus *Pseudoxya* Yin & Liu, 1975***Pseudoxya dimnuta* (Walker, 1871)**

Notes: Pun and Batalha (1997)

Genus *Stenocatantops* Dirsh, 1953***Stenocatantops splendens* (Thunberg, 1815)**

Notes: Liang and Easton (1995)

Genus *Traulia* Stål, 1873***Traulia lofaoshana* Tinkham, 1940**

Notes: Liang and Easton (1995)

Genus *Tristria* Stål, 1873***Tristria pisciforme* (Audinet-Serville, 1839)**

Notes: Liang and Easton (1995)

Family Gryllacridae**Genus *Phryganogryllacris* Karny, 1937*****Phryganogryllacris mellii* (Karny, 1926)**

Notes: Pun and Batalha (1997)

Family Gryllidae**Genus *Gryllodes* Saussure, 1874*****Gryllodes sigillatus* (Walker, 1869)**

Notes: DSPA (2022)

Genus *Tarbinskiellus* Gorochov, 1983***Tarbinskiellus portentosus* (Lichtenstein, 1796)**

Notes: Pun and Batalha (1997)

Genus *Teleogryllus* Chopard, 1961***Teleogryllus mitratus* (Burmeister, 1838)**

Notes: Pun and Batalha (1997)

Family Gryllotalpidae**Genus *Gryllotalpa* Latrille, 1802*****Gryllotalpa africana* (Palisot de Beauvois, 1805)**

Notes: Easton (1991)

***Gryllotalpa orientalis* Burmeister, 1839**

Notes: Pun and Batalha (1997)

Family Oedipodidae**Genus *Aiolopus* Fieber, 1853*****Aiolopus tamulus* (Fabricius, 1798)**

Notes: Pun and Batalha (1997)

Genus *Gastrimargus* Saussure, 1884***Gastrimargus marmoratus* (Thunberg, 1815)**

Notes: Pun and Batalha (1997)

Genus *Heteropternis* Stål, 1873***Heteropternis respondens* (Walker, 1859)**

Notes: Pun and Batalha (1997)

***Heteropternis rufipes* (Shiraki, 1910)**

Notes: Liang and Easton (1995)

Genus *Locusta* Linnaeus, 1758***Locusta migratoria* (Linnaeus, 1758)**

Notes: Mo et al. (2006)

Genus *Trilophidia* Stål, 1873***Trilophidia annulata* (Thunberg, 1815)**

Notes: Pun and Batalha (1997)

Family Pyrgomorphidae**Genus *Atractomorpha* Saussure, 1862*****Atractomorpha sinensis* Bolivar, 1905**

Notes: Pun and Batalha (1997)

Family Scelimenidae**Genus *Criotettix* Bolivar, 1887*****Criotettix japonicas* (Haan, 1842)**

Notes: Teng et al. (2022)

Family Tetrigidae**Genus *Euparatettix* Hancock, 1904*****Euparatettix variabilis* (Bolívar, 1887)**

Notes: DSPA (2022)

Genus *Hedotettix* Bolivar, 1887***Hedotettix gracilis* (Haan, 1843)**

Notes: DSPA (2022)

Genus *Hyboella* Hancock, 1915***Hyboella longinota* Zheng & Jiang, 2002**

Notes: DSPA (2022)

Genus *Tetrix* Latreille, 1802***Tetrix japonica* (Bolivar, 1887)**

Notes: DSPA (2022)

Genus *Thoradonta* Hancock, 1909***Thoradonta spiculoba* Hancock, 1912**

Notes: DSPA (2022)

Family Tettigoniidae**Genus *Conocephalus* Thunberg, 1815*****Conocephalus maculates* (Le Guillou, 1841)**

Notes: DSPA (2022)

Genus *Elimaea* Stål, 1874***Elimaea punctifera* (Walker, 1869)**

Notes: Pun and Batalha (1997)

Genus *Euconocephalus* Karny, 1907***Euconocephalus varius* (Walker, 1869)**

Notes: DSPA (2022)

Genus *Hexacentrus* Serville, 1831***Hexacentrus unicolor* Serville, 1831**

Notes: Pun and Batalha (1997)

Genus *Holochlora* Stål, 1873***Holochlora japonica* Brunner, 1878**

Notes: Pun and Batalha (1997)

Genus *Mecopoda* Audinet-Serville, 1831***Mecopoda elongate* (Linnaeus, 1758)**

Notes: MBD (2022)

Genus *Sinochlora* Tinkham, 1945***Sinochlora longifissa* (Matsumura & Shiraki, 1908)**

Notes: Mo et al. (2006)

Family Tridactylidae**Genus *Xya* Latreille, 1809*****Xya japonica* (Haan, 1844)**

Notes: DSPA (2022)

Order Blattodea

Family Blattidae

Genus *Opisthoplatia* Brunner-Wattenwyl, 1865

Opisthoplatia orientalis (Burmeister, 1838)

Notes: Pun and Batalha (1997)

Genus *Periplaneta* Burmeister, 1838

Periplaneta americana (Linnaeus, 1758)

Notes: Easton (1993)

Family Ectobiidae

Genus *Blattella* Caudell, 1903

Blattella bisignata (Brunner von Wattenwyl, 1893)

Notes: DSPA (2022)

Blattella germanica (Linnaeus, 1767)

Family Kalotermitidae

Genus *Cryptotetmes* Banks, 1906

Cryptotetmes declivis Tsai & Chen, 1963

Notes: MBD (2022)

Genus *Neotermes* Holmgren, 1911

Neotermes tuberogulus Xu & Han, 1985

Notes: MBD (2022)

Family Rhinotermitidae

Genus *Coptotermes* Wasmann, 1896

Coptotermes formosanus Shiraki, 1909

Notes: MBD (2022)

Family Termitidae

Genus *Macrotermes* Holmgren, 1912

Macrotermes barneyi Light, 1924

Notes: MBD (2022)

Genus *Odontotermes* Holmgren, 1912

Odontotermes formosanus (Shiraki, 1909)

Notes: MBD (2022)

Odontotermes hainanensis (Light, 1924)

Notes: MBD (2022)

Genus *Pericapritermes* Silvestri, 1914

Pericapritermes jangtsekiangensis (Kemner, 1925)

Notes: MBD (2022)

Pericapritermes nitobei (Shiraki, 1909)

Notes: Li et al. (2018)

Genus *Pseudocapritermes* Kemner, 1934

Pseudocapritermes sowerbyi (Light, 1924)

Notes: MBD (2022)

Genus *Sinocapritermes* Ping & Xu, 1986***Sinocapritermes mushae* (Oshima & Maki, 1919)**

Notes: MBD (2022)

Order Mantodea**Family Chaeteessidae****Genus *Chaeteessa* Burmeister, 1838*****Chaeteessa caudata* Saussure, 1871**

Notes: Heleodoro et al. (2016)

Family Mantidae**Genus *Statilia* Stål, 1877*****Statilia maculata* (Thunberg, 1784)**

Notes: Pun and Batalha (1997)

Genus *Tenodera* Burmeister, 1838***Tenodera sinensis* Saussure, 1871**

Notes: Pun and Batalha (1997)

Family Photinaidae**Genus *Photiomantis* Piza, 1968*****Photiomantis planicephala* (Rehn, 1916)**

Notes: Heleodoro et al. (2016)

Family Toxoderidae**Genus *Toxomantis* Giglio-Tos, 1914*****Toxomantis sinensis* Giglio-Tas, 1914**

Notes: Yang (1997)

Order Zygentoma**Family Lepismatidae****Genus *Lepisma* Linnaeus, 1758*****Lepisma saccharina* Linnaeus, 1758**

Notes: Easton (1991)

Family Nicoletiidae**Genus *Gastrotheus* Casey, 1890*****Gastrotheus nanus* (Escherich, 1903)**

Notes: Mendes (2002)

Genus *Proatelura* Silvestri, 1916***Proatelura jacobsoni* (Silvestri, 1911)**

Notes: Mendes (2002)

Order Neuroptera

Family Ascalaphidae

Genus *Ascalohybris* Sziraki G, 1998

Ascalohybris subjacens (Walker, 1853)

Notes: Easton (1992)

Family Chrysopidae

Genus *Chrysoperla* Steinmann, 1964

Chrysoperla carnea (Stephens, 1836)

Notes: DSPA (2022)

Order Phasmatodea

Family Diapheromeridae

Genus *Macellina* Uvarov, 1940

Macellina souchongia (Westwood, 1859)

Notes: Chen and He (2008)

Order Dermaptera

Family Labiduridae

Genus *Labidura* Leach, 1815

Notes: DSPA (2022)

Labidura riparia (Pallas, 1773)

Notes: DSPA (2022)

Order Siphonaptera

Family Pulicidae

Genus *Ctenocephalides* Stiles & Collins, 1930

Ctenocephalides felis (Bouché, 1835)

Notes: Easton (1991)

Order Thysanoptera

Family Phlaeothripidae

Genus *Gynaikothrips* Zimmermann, 1900

Gynaikothrips ficorum (Marchal, 1908)

Notes: DSPA (2022)

Analysis

Twenty-six years after the initial catalogue compiled by Pun and Batalha (1997), here we provided an updated catalogue of insect species of Macao, which contains a sum of 15 orders, 166 families, 868 genera, 1,339 species and 118 subspecies (Table 2), including some endemic species, such as *Toxorhynchites macaensis* Ribeiro, 1997 and *Leptanilla macauensis* Leong, Yamane & Guénard, 2018. The exact number of endemic species is uncertain due to the lack of comprehensive distribution records for each species from Macao and surrounding areas.

Table 2. Statistics of insect species in Macao.				
Order	Family	Genus	Species	Subspecies
Lepidoptera	31	364	565	76
Coleoptera	27	157	233	23
Hymenoptera	17	79	185	11
Hemiptera	38	116	139	0
Diptera	18	52	94	0
Odonata	6	32	49	8

Order	Family	Genus	Species	Subspecies
Orthoptera	12	43	46	0
Blattodea	5	11	14	0
Mantodea	4	5	5	0
Zygentoma	2	3	3	0
Neuroptera	2	2	2	0
Phasmatodea	1	1	1	0
Dermaptera	1	1	1	0
Siphonaptera	1	1	1	0
Thysanoptera	1	1	1	0
Total : 15	166	868	1,339	118

Conclusion

In summary, we collated all the insect species distributed in Macao and generated a list and carried out statistical analysis. (1) According to the new catalogue, Macao has 1,339 recorded insect species, which represents an increase of 888 species compared to those reported by Pun and Batalha in 1997; (2) The most conservative estimation of insect species in Macao, based on the list and the urban characteristics of Macao, is no fewer than 3,340, which is about 2.5 times of the currently known amount; (3) The current pattern is characterised by a relatively full investigation of ornamental insects and inadequate investigation of aquatic, parasitic and other cryptic insects.

Discussion

According to the new catalogue, the most abundant species distributed in Macao are Lepidoptera (565 species, 76 subspecies), followed successively by Coleoptera (233 species, 23 subspecies), Hymenoptera (185 species, 11 subspecies), Hemiptera (139 species), Diptera (94 species), Odonata (49 species) and Orthoptera (46 species) (Table 2; Fig. 1A). In comparison, the six orders with the largest species composition in the world or China are Coleoptera, Diptera, Lepidoptera, Hymenoptera, Hemiptera and Orthoptera (Fig. 1B, C).

Lepidopterans include moths and butterflies, the third largest order after Coleoptera and Diptera worldwide. Within Lepidoptera, the family Noctuidae was the most speciose in the world or China, which is the same case in Macao (Fig. 2A). According to the current statistical results (Tables 2, 3), Lepidoptera is seemingly the most comprehensively investigated order in Macao (565 species).

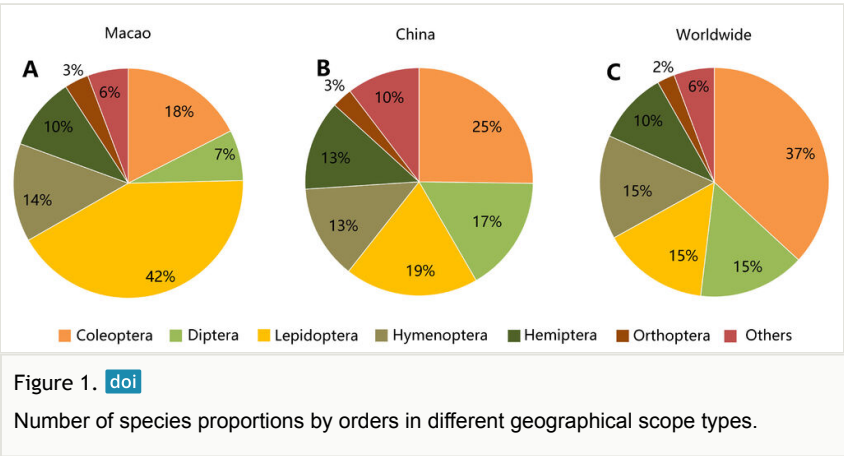
As the largest insect order in the world and China, the currently recognised species number of beetles is the second in the fauna of Macao. The first four families with most recorded species in the world are Curculionidae, Carabidae, Cerambycidae, Tenebrionidae

and are Curculionidae, Carabidae, Cerambycidae and Chrysomelidae in China (Shen 2015), whereas, the first four families with most recorded species in Macao are Cerambycidae, Chrysomelidae, Hydrophilidae and Dytiscidae (Table 4; Fig. 2B). The relatively abundant knowledge about the aquatic beetles is very likely due to the accumulated contribution made by Prof. Feng-long Jia, the fourth author of this work. Therefore, the species diversity of beetles in Macao is still inadequately understood. Considering the particularity of the local in Macao, the minimum species of Coleoptera in Macao should not be less than that of Lepidoptera, i.e. 565 species.

Table 3.

Statistics of Lepidoptera in Macao.

Family	Genus	Species	Subspecies
Noctuidae	88	144	0
Crambidae	65	98	0
Nymphalidae	33	55	27
Geometridae	31	41	4
Sphingidae	14	31	6
Hesperiidae	18	29	13
Lycaenidae	22	26	10
Arctiidae	13	22	1
Pieridae	9	17	3
Lymantriidae	6	15	0
Others	65	87	12
Total :	364	565	76



Hymenopterans include bees and ants and are one of the largest orders of insects in the world in terms of species diversity. Ichneumonidae and Braconidae have the most

recorded species in the world or China (Shen 2015). In comparison, Formicidae has the most recorded species amongst all known insect families in Macao (Table 5; Fig. 2C) and accounts for 76% of the species number of Hymenoptera. The relatively abundant knowledge about the ants of Macao is very likely due to the accumulated contribution made by Dr. Chi Man Leong, the second author of this work. As for the parasitic wasps, only eight species have been recorded so far in Macao. Generally, considering that large quantity species of Coleoptera, Lepidoptera and Hemiptera can be parasitised by parasitic wasps, the species number of parasitic wasps in Macao is very likely underestimated. Using Lepidoptera as a reference, according to the ratio of Lepidoptera to Hymenoptera in China, it is estimated that there should be no less than 390 species of Hymenoptera in Macao.

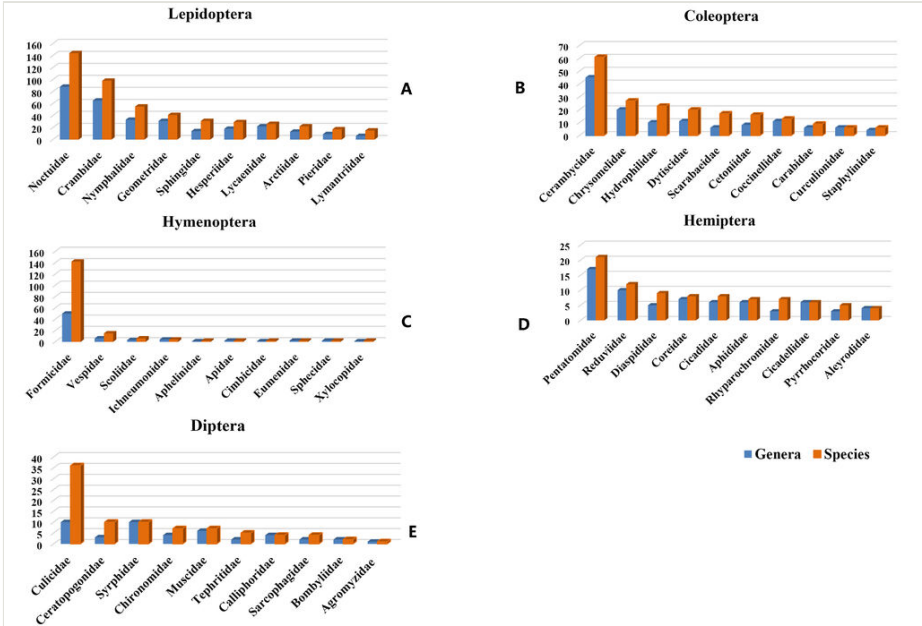


Figure 2. [doi](#)
Dominant families with corresponding number of species and genera in Macao.

Table 4.
Statistics of Coleoptera in Macao.

Family	Genus	Species	Subspecies
Cerambycidae	45	61	13
Chrysomelidae	20	27	1
Hydrophilidae	10	23	0
Dytiscidae	11	20	3
Scarabaeidae	6	17	1

Family	Genus	Species	Subspecies
Cetoniidae	8	16	2
Coccinellidae	11	13	0
Carabidae	6	9	1
Curculionidae	6	6	0
Staphylinidae	4	6	0
Others	31	36	2
Total :	158	234	23

Table 5.
Statistics of Hymenoptera in Macao.

Family	Genus	Species	Subspecies
Formicidae	50	142	6
Vespidae	6	15	3
Scoliidae	3	6	0
Ichneumonidae	4	4	0
Aphelinidae	1	2	0
Apidae	2	2	0
Cimbicidae	1	2	0
Eumenidae	2	2	0
Sphecidae	2	2	1
Xylocopidae	1	2	0
Others	7	6	1
Total :	79	158	11

Table 6.
Statistics of Hemiptera in Macao.

Family	Genus	Species	Subspecies
Pentatomidae	17	21	0
Reduviidae	10	12	0
Diaspididae	5	9	0
Coreidae	7	8	0
Cicadidae	6	8	0
Aphididae	6	7	0
Rhyparochromidae	3	7	0
Cicadellidae	6	6	0
Pyrrhocoridae	3	5	0

Family	Genus	Species	Subspecies
Aleyrodidae	4	4	0
Others	49	52	0
Total :	116	139	0

As one of the most common insects, dipterans are the second largest order in the world, while it ranks as the fifth in Macao. The species number of Diptera is higher than that of Hymenoptera or Hemiptera in the world or China, but lower than that of Hymenoptera or Hemiptera in Macao. The known species of Diptera is approximately 1/6 of that of Lepidoptera in Macao. Within Diptera, Tachinidae and Tipulidae are the most recorded species in the world and Tachinidae and Culicidae are the most recorded species in China. The two families with most recorded species in Macao are Culicidae and Ceratopogonidae (Table 7; Fig. 2E). It seems that the investigation of dipteran in Macao is extremely inadequate. Additionally, the species number of dipterans in Macao is estimated to be no lower than 490 (the estimation method is the same as that of Hymenoptera).

Table 7. Statistics of Diptera in Macao.			
Family	Genus	Species	Subspecies
Culicidae	10	36	0
Ceratopogonidae	3	10	0
Syrphidae	10	10	0
Chironomidae	4	7	0
Muscidae	6	7	0
Tephritidae	2	5	0
Calliphoridae	4	4	0
Sarcophagidae	2	4	0
Bombyliidae	2	2	0
Agromyzidae	1	1	0
Others	8	10	0
Total :	52	96	0

Hemipterans are one of the largest insect orders in the world and China, the currently recognised species number of Hemiptera ranking as the fourth in the fauna of Macao. The largest family in the world or China are Cicadellidae and Miridae (Shen 2015). Amongst the current records in Macao, the most records for the family of Hemiptera is the family Pentatomidae with 20 species (Table 6; Fig. 2D). Besides, according to the collection of heteropterans in Guangdong and its surrounding areas, it is speculated that there are still some unrecorded families and many unrecorded species in Macao. Hence, the studies on this order in Macao is far from sufficient and there should be no less than 380 Hemiptera species in Macao (The estimation method is the same as that of Hymenoptera.).

Orthoptera, as the sixth largest order in the world, has approximately 26,107 species globally (Foottit and Adler 2017), with 2,716 species found in China (Shen 2015). However, Macao has only recorded a mere 46 species thus far (Table 8). Besides, Trichoptera (14,548) and Psocodea s. lat. (= Psocodea s. str. + Phthiraptera 10,879) also possess over 10,000 species worldwide and their species in China is also considerable, namely Trichoptera (927), Psocoptera (1, 648) and Phthiraptera (97), but none of these groups has been recorded in Macao. This further highlights the inadequacy of insect fauna surveys conducted in Macao. Reflected by the knowledge about aquatic beetles and dragonflies, the diversity of aquatic insects in Macao is relatively rich. Therefore, it is somewhat surprising that Trichoptera have not been reported in Macao. According to the ratio mentioned above, we estimate that there should be no fewer than 80 species of Orthoptera recorded in Macao, no fewer than 460 species of Trichoptera and no fewer than 340 species of Psocodea s. lat.

Table 8. Statistics of Orthoptera in Macao.			
Family	Genus	Species	Subspecies
Catantopidae	13	14	0
Tettigoniidae	7	7	0
Oedipodidae	5	6	0
Tetrigidae	5	5	0
Acrididae	4	4	0
Gryllidae	3	3	0
Gryllotalpidae	1	2	0
Arcypteridae	1	1	0
Gryllacridae	1	1	0
Pyrgomorphidae	1	1	0
Others	2	2	0
Total :	43	46	0

It is strange that there is no record of Ephemeroptera in Macao, while Ephemeroptera is also a widespread insect order, ranging from small streams to large lakes. Moreover, Megaloptera and Dermaptera are confronted with the same situation. Thus, Macao's biodiversity may be underestimated. At present, the fauna of Macao has the following characteristics: (1) only Lepidoptera is relatively well studied; (2) there are few known aquatic insects, except aquatic beetles and dragonflies; (3) there are few records of parasitic insects. According to the above conservative speculations, even considering the special characteristics of the local fauna of Macao, the insect species in Macao should not be less than 3,340 species.

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