



•生物编目• 2021年新物种专题

中国半翅目等29目昆虫新分类单元2021年年度报告

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摘要: 本文以2021年度中国半翅目等29目昆虫(除昆虫纲鞘翅目、双翅目、鳞翅目、膜翅目之外的其他昆虫类群)发表的新分类单元为研究对象, 系统编汇了新分类单元信息、模式标本名录与文献目录, 并分析了描述新种的热点地区、模式标本存放情况以及发表期刊的特点等。2021年度中国半翅目等29目昆虫描述了新属35个, 新物种386个以及1个新种下分类单元, 共计422个新分类单元; 基于对新物种在省级行政区分布的分析, 新物种发现的热点地区分布于中国西南(云南、贵州以及四川等)及其邻近地区(广西和西藏等), 而以200 km × 200 km栅格为操作单位, 新物种发现的热点地区主要集中在山地地区。395位研究者参与了本年度新分类单元命名和描述工作, 相关结果发表在28种期刊上, 共205篇文章。本研究及时更新了2021年度中国半翅目等29目昆虫的生物多样性基础数据, 对于加快建设数据共享平台、支撑生物多样性保护和管理, 以及保障国门生物安全等具有重要的作用。

关键词: 生物多样性编目; 半翅目; 新分类单元; 新物种分布

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Annual report of new insect taxa of Chinese Hemiptera and 28 other orders described in 2021

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ABSTRACT

Aims: This study aims to review and update information from 2021 about newly described taxa of Chinese Hemiptera and 28 other insect orders (all orders except Coleoptera, Diptera, Lepidoptera, and Hymenoptera).

Methods: We reviewed the literature on new taxa of Chinese Hemiptera and 28 other insect orders described in 2021 and compiled a list of type specimens and a bibliography. We characterized the hotspots for new species discovery by analyzing provincial administrative regions and at the spatial scale of 200 km × 200 km, respectively. We also examined the specimen preservation sites, the authorship of new species descriptions, and the journals where the work was published.

Results: In 2021, 422 new taxa—including 35 new genera, 386 new species, and 1 new subspecies—were described in Chinese Hemiptera and 28 other insect orders. The hotspots for new species discovery were mainly in Southwest China (Yunnan, Guizhou, Sichuan, etc.) and the adjacent areas (Guangxi, Xizang, etc.). And at the spatial scale of 200 km × 200 km, the hotspots are mainly located in mountainous regions. Three hundred ninety-five researchers participated in the naming and description of new taxa this year, and related works were published in 28 journals, with a total of 205 articles.

Conclusion: This timely study updates basic biodiversity data about Chinese insects in Hemiptera and 28 other insect orders. This work plays an essential role in accelerating the construction of a data-sharing platform, supporting biodiversity conservation and management, and ensuring national biosecurity.

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Key words: species catalogue; Hemiptera; new taxa; distribution

探讨生物多样性的起源、演化、维持与丧失机制一直以来是宏生态、宏进化以及保护生物学等众多研究领域的核心和热点问题。而回答和深入了解这一基本科学问题需要详实可靠的生物多样性基础数据,包括物种分类、分布以及分子数据等(张健, 2017)。然而,这些生物多样性基础数据往往缺乏编汇、归纳整理和分析,而零散地分布在博物馆、科研论文以及专著等载体中。近年来,随着生物多样性信息学的发展,涌现了多个全球性生物多样性数据库,如全球生物多样性信息网络(Global Biodiversity Information Facility, GBIF; <http://www.gbif.org/>),为探讨生物多样性的演化机制、保护与利用提供了便利。但是存储在大型开放数据库的数据往往来源不一、存在分类鉴定与地理分布信息错误等问题,限制了公共数据库的准确性和实用性(Maldonado et al, 2015)。而基于分类学研究成果的生物多样性编目信息可以弥补大型公共数据库中数据分辨率不足、质量不一等缺陷。

中国作为生物多样性最丰富的国家之一,不仅体现在物种数量上,还表现在具有大量特有种和稀有种。这得益于其复杂的地理地质条件和独特多样的气候条件,因此中国的生物多样性远高于同纬度的古北区西部和新北区(Qian & Ricklefs, 1999; Qian et al, 2017)。然而,与中国极为丰富的生物多样性不相匹配的是,相关研究相对缺乏,其中一个主要原因就是缺乏高质量、高分辨率的大型生物多样性基础信息平台。尽管伴随着生物多样性信息学和数据共享平台在国内的兴起,分散在图书馆与博物馆中的生物多样性信息被挖掘和整合起来(马克平, 2014),然而这些平台的数据仍在整合和完善中,如国家标本资源平台(National Specimen Information Infrastructure, NSII, <http://www.nsii.org.cn>)存在大量未公开的分布信息数据。因此,现有数据还不足以支撑深入探讨生物多样性的演化机制等相关科学问题。在整合原有生物多样性数据的同时,还应注意及时更新中国最新的生物多样性信息。

昆虫是地球上最多样化的动物类群。目前已记录和描述的昆虫已超过一百万种,占有已知动植物种类的50%以上,但地球上仍有约80%的昆虫有

待发现、描述和认知(Stork et al, 2015; Stork, 2018)。而人为活动加快了昆虫类群的灭绝(van der Sluijs, 2020; Wagner et al, 2021),但这一现象在科学研究、自然保护和环境政策制定时被极大地忽视(van der Sluijs, 2020)。由于昆虫类群物种多样性的基数庞大、分类基础薄弱、受关注度小等因素,其生物多样性基础数据比脊椎动物和植物等类群更加匮乏。相对于欧美国家,中国昆虫分类学研究起步较晚。而近年来,可能受到我国经典昆虫分类学研究队伍长期萎缩以及发展受限等因素影响,中国昆虫分类学的研究论文和每年发表新种数量均呈现出下降趋势(刘童祎等, 2021)。这一现象对生物资源极为丰富而本底调查资料存在大量空缺的中国而言具有重大影响。在这种背景下,我国的昆虫研究团队对不同昆虫类群开展了年度总结,如鞘翅目(李露露等, 2021)、双翅目(张冰等, 2021)、鳞翅目(戚慕杰等, 2021)、膜翅目(曹焕喜等, 2021)以及半翅目等29目(刘童祎等, 2021),促进了对我国昆虫类群生物多样性数据的更新与完善。此外,及时更新一个国家或地区的生物编目数据,对于加快建设数据共享平台、支撑生物多样性保护和管理,以及保障国门生物安全等具有重要的作用。因此,我们有必要及时更新中国与新分类单元描述相关研究的年度总结。

本研究基于2021年度发表的中国半翅目等29目昆虫类群(除鞘翅目、双翅目、鳞翅目和膜翅目外的类群)的原始文献和模式标本信息,总结并更新了中国半翅目等29目昆虫新分类单元的编目信息,以及时反映这些类群分类研究的发展趋势,积累中国这些类群的基础信息,为深入探讨生物多样性格局及其演化机制提供数据支撑。

1 材料与方法

基于在生物多样性和动物分类学等研究领域记录最为完善和全面的Zoological Record (ZR; <https://www.webofscience.com/wos/zoorec/basic-search>)数据库,以所关注的29目昆虫类群拉丁名为检索对象,以“sp nov or gen nov”为关键词,检索2021年度中国半翅目等29目昆虫新分类单元的基本信息,统计时间截止于2022年5月12日。此外,单独检

索《昆虫分类学报》《动物分类学报》等国内刊物中有关2021年新分类单元的记录,以避免由于ZR数据库收录滞后而遗漏数据。基于检索结果和原始描述文献,汇总编制2021年度中国半翅目等29目昆虫新种模式标本与文献名录(附录1),整理新分类单元的分类阶元、模式标本信息(采集地、经纬度以及保藏单位等)、发表期刊等基本信息,用于后续统计分析。所有数据统计分析均在R 4.2.0中完成(R Core Team, 2022)。对于原始描述文献中缺乏经纬度信息的采集数据,基于模式标本采集地点信息,使用GeoLocate (www.geo-locate.org)和Google Earth进行搜索;随后,分别以中国34个省级行政区和200 km × 200 km栅格为地理操作单元,使用ArcGIS 10.5 (ESRI, Redlands, CA, USA)对2021年度描述的新物种分布的热点地区进行量化和可视化。

2 结果与分析

2.1 2021年度发表新分类单元的基本状况

在所关注的29目昆虫类群中,2021年共描述新分类单元422个,涉及19目;包括新属35个,新种386个和1个新亚种(表1),总数量较2020年增加了73个。2021年度所描述的新分类单元主要集中在直翅目(134个)、半翅目(90个)、襀翅目(38个)、蛭目(26个)、毛翅目(23个)以及长翅目(23个),分别约占总数的32%、21%、9%、6%、5%和5%(表1)。有10个目的昆虫类群2021年度在中国地区未描述新的分类单元,如革翅目等。

2021年度所描述的35个新属隶属于6目16科,其中4属的描述不仅基于形态特征,还提供了分子证据。描述属级新分类单元最多的类群是直翅目,数目多达18个。其次是半翅目(8个)和蛭目(5个),而蜉蝣目描述了2个新属,双尾目和襀翅目各描述了1个新属(表1)。

2021年度发表5个及以上新种(新亚种)的科和属见表2。2021年度描述的387个新种和新亚种隶属于75科228属。发表新物种数目最多的为半翅目叶蝉科、直翅目螽斯科和长翅目蜉蝣科(表2)。其中叶蝉科发表新种多达39个,螽斯科也有29种,两科物种多为植食性昆虫,包含多种危害经济作物的农林害虫,获得国内多个研究团队共同关注,进而促进了该类群分类学研究。以属为统计单元,发表新

种最多的类群为蜉蝣属(*Panorpa*),共发表了18个新种(表2)。该属是蜉蝣科物种多样性最高的属(Wang & Gong, 2021),2021年该属描述的新种多集中在中国西南山地及其邻近地区,体现了中国西南山地生物区系的复杂性,同时其研究也为探讨该属在中国西南山地的演化历史奠定了基础。

2021年,中国半翅目等29目昆虫类群共有52个新物种在发表时应用了详尽的形态特征和分子系

表1 本研究所关注的类群(广义的昆虫纲,即六足总纲)以及各类群2021年度描述新分类单位数量

Table 1 The taxa (Insecta s.l., i.e. Hexapoda) involved in this study and the number of new taxa described for each group in 2021

目 Order	新属 New genus	新种及新亚种 New species	总计 Total
直翅目 Orthoptera	18	116	134
半翅目 Hemiptera	8	82	90
襀翅目 Plecoptera	1	37	38
蛭目 Phasmatodea	5	21	26
毛翅目 Trichoptera	0	23	23
长翅目 Mecoptera	0	23	23
脉翅目 Neuroptera	0	18	18
虱目 Phthiraptera	0	16	16
蜚蠊目 Blattodea	0	14	14
弹尾目 Collembola	0	8	8
螳螂目 Mantodea	0	8	8
缨翅目 Thysanoptera	0	6	6
蜉蝣目 Ephemeroptera	2	4	6
蚤目 Siphonaptera	0	3	3
广翅目 Megaloptera	0	3	3
双尾目 Diplura	1	2	3
蜻蜓目 Odonata	0	1	1
啮虫目 Psocoptera	0	1	1
蛇蛉目 Raphidioptera	0	1	1
原尾目 Protura	0	0	0
革翅目 Dermaptera	0	0	0
石蛎目 Archaeognatha	0	0	0
衣鱼目 Zygentoma	0	0	0
等翅目 Isoptera	0	0	0
蚤蠊目 Grylloblattodea	0	0	0
螳螂目 Mantophasmatodea	0	0	0
纺足目 Embioptera	0	0	0
缺翅目 Zoraptera	0	0	0
捻翅目 Strepsiptera	0	0	0
总计 Total	35	387	422

表2 2021年度发表5个及以上新种及新亚种的科和属
Table 2 Families and genera with 5 or more new species and subspecies published in 2021

科 Family	新属 New genus	新种及新亚种 New species and subspecies	总计 Total	属 Genus	新种及新亚种 New species and subspecies
叶蝉科 Cicadellidae	5	39	44	蛄蛄属 <i>Panorpa</i>	18
螽斯科 Tettigoniidae	7	29	36	蝶石蛾属 <i>Psychomyia</i>	16
蛄蛄科 Panorpidae	0	23	23	新蛄蛄属 <i>Neoperla</i>	10
蟋蟀科 Gryllacrididae	0	18	18	疾灶蟋属 <i>Tachycines</i>	9
蛄蛄科 Perlidae	0	18	18	拟刺蛄蛄属 <i>Cnipsomorpha</i>	8
蛉蟋科 Trigonidiidae	4	18	22	玛蛄蛄属 <i>Margattea</i>	7
长角鸟虱科 Philopteridae	0	16	16	窗翅叶蝉属 <i>Mileewa</i>	7
蝶石蛾科 Psychomyiidae	0	16	16	<i>Priceiella</i>	7
蛄蛄科 Phasmatidae	4	14	18	栉角蛉属 <i>Dilar</i>	6
蚱科 Tetrigidae	2	13	15	新蛄蛄属 <i>Neoteratura</i>	6
驼蟋科 Rhaphidophoridae	1	11	12	倍叉蛄蛄属 <i>Amphinemura</i>	5
蟋蟀科 Gryllidae	3	10	13	雅小叶蝉属 <i>Eurhadina</i>	5
栉角蛉科 Dilaridae	0	9	9		
叉蛄蛄科 Nemouridae	0	8	8		
姬蛄蛄科 Ectobiidae	0	7	7		
长角姚科 Entomobryidae	0	6	6		
纹石蛾科 Hydropsychidae	0	6	6		
粒脉蛄蛄科 Meenoplidae	0	6	6		
猎蛄蛄科 Reduviidae	0	6	6		
蚜科 Aphididae	1	5	6		
蓟马科 Thripidae	0	5	5		

统学证据, 占有新描述物种总数的13%, 主要集中在蜚蠊目、半翅目和直翅目。值得注意的是, 蜚蠊目所有新物种的发表全部提供了分子证据(e.g., He et al, 2021; Wang et al, 2021), 表明整合形态和分子证据已成为该类群物种厘定的重要依据。在分子厘定时, 最常用的分子标记是线粒体基因COI, 而线粒体基因Cytb, ND2, 12S rRNA和16S rRNA以及核基因18S rDNA, 28S rDNA和ITS在不同的类群中也得到了应用。其中, 4种直翅目昆虫新种还报道了线粒体基因组数据。最常用的分子厘定方法是遗传距离法; 而基于多物种溯祖理论且相对更加稳健的 STACEY (Species Tree and Classification Estimation, Yarely)和BPP (Bayesian Phylogenetics and Phylogeography program)等方法却很少使用。同时, 多个物种在描述时还提供了生态学证据, 如寄主、鸣声等, 体现了生态分化对物种形成的重要性。近年来, 仅仅依赖形态特征厘定物种受到了挑战, 分类学家可以整合多源证据(如形态、分子以及生态证据), 以整合分类的框架进行物种界定。此外, 共

有51个新种在描述时提供了中文名, 仅占13%。提倡学者在描述新分类单元时提供中文名, 以促进科学交流及对物种的认知。

2.2 中国新物种的地理分布

2021年度中国半翅目等29目昆虫新物种的地理分布如图1所示, 新种发现和记录呈现出由中国西南向东北地区逐渐减少的趋势。从省级行政区来看, 新种发现的热点地区主要分布于中国西南(云南、贵州以及四川等)及其邻近地区(广西和西藏等)(图1a)。其中, 云南新种的多样性最高, 共涉及145个, 占该年度29目昆虫新种总数量的37%; 贵州、广西和西藏分别描述和发表了43、39与38个新种, 3省发表新种总和约占总数的31%。而海南岛也是新物种记录的主要区域之一, 共发表了23个新种。以200 km × 200 km栅格为操作单元的结果则给出了更为明确的新物种发现的热点地区, 集中分布在山地和岛屿, 主要有中国西南山地(藏东南地区、滇西北地区、西双版纳地区、云贵高原)、天目山脉以及海南岛等(图1b)。

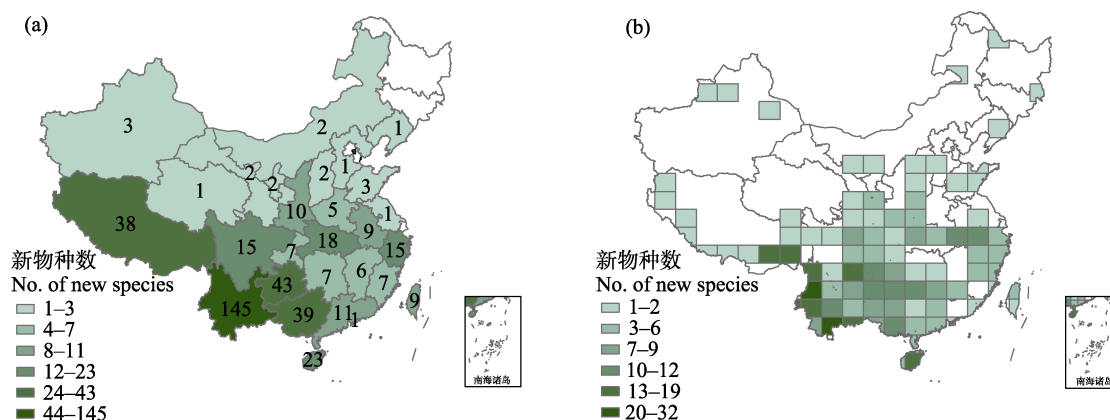


图1 2021年中国半翅目等29个目昆虫新物种的地理分布。(a)各省发现的物种数量;(b)在200 km × 200 km栅格下的分布格局。
Fig. 1 Geographical distribution of new taxa of Hemiptera and 28 other insect orders from China in 2021. (a) Numbers of species discovered in each province; (b) Distribution pattern of new species under the 200 km × 200 km grid cells.

之前基于31年时间尺度以及2020年中国半翅目等29目昆虫的数据同样揭示中国西南山地是中国新物种发现的热点地区(刘童祎等, 2021)。中国西南山地作为全球36个生物多样性热点地区之一, 具有较高的气候稳定性和生境异质性, 在生物演化过程中扮演着“物种泵”和/或“物种博物馆”的角色, 因此具有极高的生物多样性(Rahbek et al, 2019a, b; 雷富民等, 2021)。之前探讨该地区生物多样性形成和维持机制时主要以脊椎动物和高等植物数据为主, 而多样性极高的昆虫类群却很少涉及。因此, 这也提示对于分类基础良好且该地区物种多样性极高的昆虫类群, 可以基于不同类群、不同时空尺度以及不同分析角度(宏进化或宏生态角度)来探讨山地对维持生物多样性的重要性。而且, 连续多年均发现该地区是新物种发现的热点地区, 从另一侧面也反映出该地区生物多样性数据依旧薄弱(Mi et al, 2021), 因此很有必要加强该地区的生物多样性考察和监测, 以支撑生物多样性保护研究。

2.3 模式标本存放情况

2021年中国半翅目等29目昆虫类群新描述的387个新种和新亚种的模式标本保存在64个不同的保存机构(附录2)。其中, 369个新种的正模标本保存在国内的机构, 占有新种的95%; 而14家国外机构保存的模式标本以副模为主, 共保存了39个种的模式标本。从保存机构类型来看, 模式标本在高校保存的最多, 达38家; 其次是科研院所和博物馆, 分别涉及13家和6家单位; 保存地为个人和其他类型的各有4个。模式标本保存数量排名前三的单位

均为高校, 分别为贵州大学(41种)、中国农业大学(34种)和大理大学(28种)。其中, 贵州大学保存的模式标本以半翅目叶蝉科为主, 并保存有少量的直翅目和螳螂目模式标本; 中国农业大学保存的模式标本类群最为丰富, 包括半翅目、广翅目、脉翅目、蛇蛉目、襀翅目和啮虫目等6目, 体现了该高校分类学的水平以及对分类学科的重视程度; 而大理大学保存的模式标本以长翅目为主, 同时有少量直翅目和蜉蝣目的模式标本。模式标本保存数量较多的科研单位有中国科学院动物研究所国家动物标本资源库、广东省科学院动物研究所、中国科学院上海昆虫博物馆, 分别保存了14、13和6个物种的模式标本。私人保存的模式标本最少, 仅有8个种。

从类群角度分析, 82种半翅目模式标本保存单位共有21个, 以贵州大学保存的模式标本数量最多, 为35种; 其次是西北农林科技大学, 保存了13种。相对于半翅目, 直翅目模式标本保存地相对集中, 涉及16个单位, 以河北大学和陕西师范大学保存的模式标本最多, 分别有27种和24种。而河南科技学院是襀翅目模式标本的主要保存地, 共有22种。其余类群模式标本保存情况详见附录1。

2.4 发表新分类单元的学者和研究单位

2021年, 参与422个中国半翅目等29目昆虫新分类单元命名和描述工作的研究者有395位, 其中包括87位外籍学者。参与命名和描述15种及以上新物种的研究人员有10人(表3)。参与描述和发表新种最多的学者是河南科技学院的李卫海(Wei-hai Li), 共参与发表了16篇文章以及24个襀翅目新物种。参与

表3 2021年发表15个及以上新种和新亚种的学者

Table 3 Statistics of scholars who published 15 or more new species and subspecies in 2021

姓名 Name	单位 Institution	关注类群 Research group	发文量 No. of publication	新种及新亚种 No. of species and subspecies
李卫海 Weihai Li	河南科技学院 Henan Institute of Science and Technology	襀翅目 Plecoptera	16	24
石福明 Fuming Shi	河北大学 Hebei University	直翅目 Orthoptera	9	21
马丽滨 Libin Ma	陕西师范大学 Shaanxi Normal University	直翅目 Orthoptera	9	20
刘星月 Xingyue Liu	中国农业大学 China Agricultural University	啮虫目、广翅目、脉翅目、蛇蛉目 Psocoptera, Megaloptera, Neuroptera and Raphidioptera	10	19
边讯 Xun Bian	广西师范大学 Guangxi Normal University	直翅目 Orthoptera	12	17
何维俊 Waichun George Ho	香港昆虫学会 Hong Kong Entomological Society	蛸目 Phasmatodea	5	17
陈祥盛 Xiangsheng Chen	贵州大学 Guizhou University	半翅目、螳螂目 Hemiptera and Mantodea	9	16
杨琳 Lin Yang	贵州大学 Guizhou University	半翅目、螳螂目 Hemiptera and Mantodea	9	16
何祝清 Zhuqing He	华东师范大学 East China Normal University	直翅目 Orthoptera	11	15
何志新 Zhixin He	陕西师范大学 Shaanxi Normal University	直翅目 Orthoptera	6	15

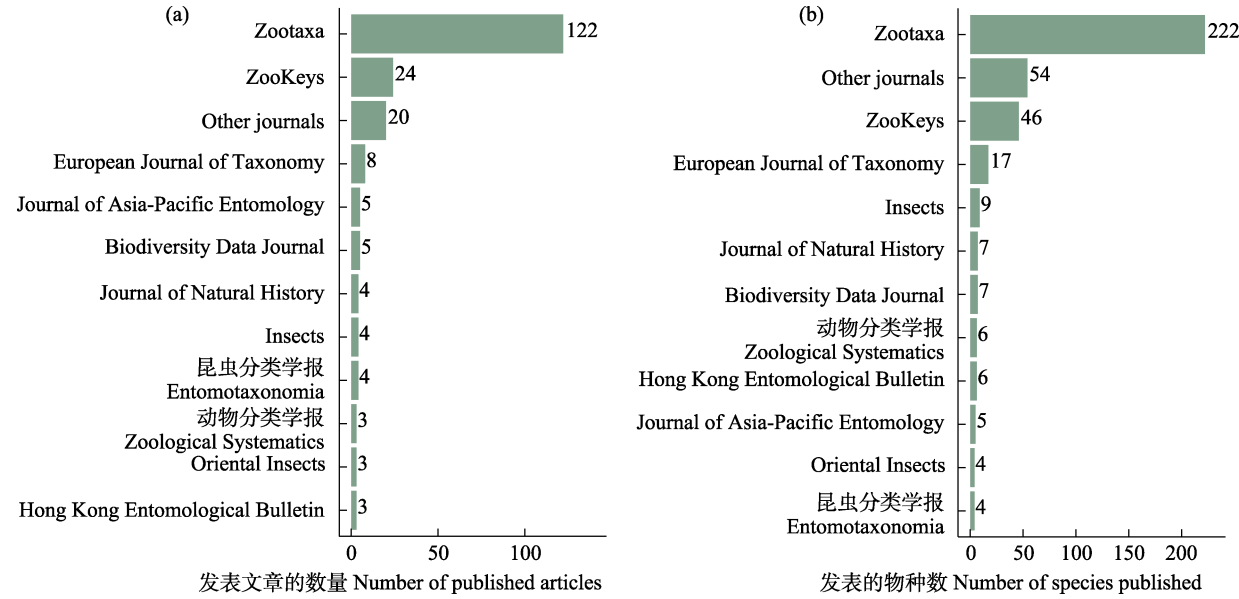


图2 2021年发表中国半翅目等29目昆虫新分类单元的期刊。(a)发表文章的数量; (b)发表的物种数。
Fig. 2 The journals that published new taxa of Hemiptera and 28 other Insecta orders from China in 2021. (a) The number of published articles; (b) The number of species published.

描述半翅目、直翅目、蛸目昆虫最多的学者分别来自贵州大学的陈祥盛(Xiangsheng Chen)团队、河北大学的石福明(Fuming Shi)团队以及香港昆虫学会的何维俊(Waichun George Ho)。

2.5 发表新分类单元的刊物

2021年中国半翅目等29目昆虫类群422个新分类单元发表在28种期刊的205篇文章中(图2a)。其中

中文论文3篇, 其余202篇文章均为英文; SCI收录刊物186篇(占91%), 而非SCI刊物仅发表了19篇(占9%)。在28种期刊中, 国际期刊Zootaxa、ZooKeys、European Journal of Taxonomy、Biodiversity Data Journal以及Journal of Asia-Pacific Entomology发表了80%的文章; 其中有14种期刊仅收录了1篇相关文献。

在涉及的28种刊物中, 专门针对动物分类学领域的经典期刊*Zootaxa*贡献了122篇文章和222个新种(图2)。*Zootaxa*可能由于可以选择不支付版面费而深受分类学家青睐, 以至于无论是发表研究论文总数量还是新种数量均处于领跑地位, 为物种多样性的发现和保护做出了突出贡献。而另一著名分类学期刊*ZooKeys*, 由于其文章发表周期相对较短, 同样在记录生物多样性方面发挥着重要作用。2021年度, *ZooKeys*刊物共涉及24篇论文和46个新种。在非SCI期刊中, 2021年发表新类群文章数量最多的是《昆虫分类学报》, 共发表4篇文章和4个新种; 而*Hong Kong Entomological Bulletin*和《动物分类学报》发表的新种数量最多, 各发表了6个新种。

3 小结

本研究系统地编汇了2021年度中国半翅目等29目昆虫新分类单元的模式标本信息和文献目录, 分析了隐藏在模式标本中的生物多样性信息(如采集地点、存放单位以及发表渠道等)。2021年度中国半翅目等29目昆虫类群共发表新分类单元422个。中国西南山地是发现新物种的热点地区, 未来要加强该地区的生物多样性考察和监测, 为深入探讨生物多样性的时空演化格局奠定基础, 支撑生物多样性保护研究并保障国门生物安全。

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附录 Supplementary Material

附录1 2021年度中国半翅目等29目昆虫新分类单元、模式标本与文献名录

Appendix 1 List of new taxa, type specimens and bibliography of new species of Chinese Hemiptera and 28 other insect orders in 2021

<https://www.biodiversity-science.net/fileup/PDF/2022300-1.pdf>

附录2 本研究所涉及模式标本保藏地点的中英文名称及缩写

Appendix 2 List of abbreviation, Chinese and English names of deposit sites of type specimens in this study

<https://www.biodiversity-science.net/fileup/PDF/2022300-2.pdf>

附录 1 2021 年度中国半翅目等 29 目昆虫新分类单元、模式标本与文献名录

Appendix 1 List of new taxa, type specimens and bibliography of new species of Chinese Hemiptera and 28 other insect orders in 2021

蜚蠊目 Blattaria

Blaberidae

Cyrtonotula epunctata Wang & Wang, 2021

Wang et al. 2021. Zookeys, 1021: 127–143

Type specimens. Holotype: ♂, China, Hainan, Lingshui County, Diaoluoshan Mountain (916 m), SWU (标本存放点缩写: SWU, 见附录 2, 下同). Paratypes: 1♂2♀♀, same collection data as holotype, SWU; 1♀, China, Hainan, Wuzhishan Nature Reserve (795 m), SWU; 1♀, China, Hainan, Diaoluoshan Mountain (275 m), SWU.

Cyrtonotula longialata Wang & Wang, 2021

Wang et al. 2021. Zookeys, 1021: 127–143

Type specimens. Holotype: ♂, China, Hainan, Limuling Mountain, SWU. Paratypes: 3♂♂, same collection data as holotype, SWU; 6♂♂2♀♀, China, Hainan, Baoting County, Maogan Township (549–776 m), SWU; 1♂, China, Hainan, Bawangling Mountain (600–800 m), SWU; 2♂♂, China, Hainan, Diaoluoshan Mountain (275 m), SWU.

Cyrtonotula maculosa Wang & Wang, 2021

Wang et al. 2021. Zookeys, 1021: 127–143

Type specimens. Holotype: ♂, China, Hainan, Yinggeling Nature Reserve, Nanfa Conservation Station (650 m), SWU. Paratypes: 11♂♂11♀♀, same collection data as holotype, SWU.

Blattidae

Homalosilpha alba Liao & Che, 2021

Liao et al. 2021. PeerJ, 9: e1018

Type specimens. Holotype: ♂, China, Hainan, Yajiang Scenery Spot, Mt Bawangling, Cangjiang County (1130 m), SWU. Paratypes: 1♀, China, Hainan, Maogan Township, Baoting County, SWU; 1♀, China, Hainan, Mt Diaoluoshan, Lingshui County, SWU; 1♀, China, Hainan, Ledong County, SWU.

Homalosilpha clavellata Liao & Che, 2021

Liao et al. 2021. PeerJ, 9: e1018

Type specimens. Holotype: ♂, China, Yunnan, Tongbiguan Township, Yingjiang County (1130 m), SWU. Paratype: 1♀, China, Yunnan, Tongbiguan Township, Yingjiang County (1130 m), SWU.

Homalosilpha obtusangula Liao & Che, 2021

Liao et al. 2021. PeerJ, 9: e1018

Type specimens. Holotype: ♂, China, Tibet, Beibeng Township, Mâdog County, SWU. Paratype: 1♀, China, Yunnan, Mt. Fenshuiling, Jinping County, SWU.

Homalosilpha recta Liao & Che, 2021

Liao et al. 2021. PeerJ, 9: e1018

Type specimens. Holotype: ♂, China, Yunnan, Banhong Township, Cangyuan County (1130 m), SWU.

Ectobiidae

Margattea bicruris He & Wang, 2021

He et al. 2021. Zookeys, 1036: 121–151

Type specimens. Holotype: ♂, China, Yunnan, Wangtianshu Scenery Spot, Mengla County, Xishuangbanna Prefecture, SWU. Paratypes: 2♂♂, same data as for holotype, SWU.

Margattea caudata He & Wang, 2021

He et al. 2021. Zookeys, 1036: 121–151

Type specimens. Holotype: ♂, China, Yunnan, Meizihu Reservoir, Pu'er City (1400 m), SWU. Paratypes: 6♂♂1 ♀, same data as holotype, SWU.

Margattea cuspidata He & Wang, 2021

He et al. 2021. Zookeys, 1036: 121–151

Type specimens. Holotype: ♂, China, Guangxi, Mt Daming, SWU. Paratype: 1♂, same data as for holotype, SWU.

Margattea deltodonta He & Wang, 2021

He et al. 2021. Zookeys, 1036: 121–151

Type specimens. Holotype: ♂, China, Yunnan, Hongqi Reservoir, Mt Dawei, Pingbian County (1550 m), SWU. Paratypes: 3♂♂, same data as holotype, SWU.

Margattea disparilis He & Wang, 2021

He et al. 2021. Zookeys, 1036: 121–151

Type specimens. Holotype: ♂, China, Yunnan, Wangtianshu Scenery Spot, Mengla County, Xishuangbanna Prefecture (720 m), SWU. Paratypes: ♂, China, Yunnan, Gougu Tropical Rainforest, Xishuangbanna Tropical Botanical Garden (CAS), Menglun Town, Jinghong City (570 m), SWU.

Margattea paratransversa He & Wang, 2021

He et al. 2021. Zookeys, 1036: 121–151

Type specimens. Holotype: ♂, China, Yunnan, Meizihu Reservoir, Pu'er City (1400 m), SWU. Paratypes: 6♂♂, same data as holotype, SWU.

Margattea transversa He & Wang, 2021

He et al. 2021. Zookeys, 1036: 121–151

Type specimens. Holotype: ♂, China, Yunnan, Meizihu Reservoir, Pu'er City, SWU. Paratypes: 2♂♂, same data as for holotype, SWU.

弹尾目 Collembola

Entomobryidae

Himalanura shanxiensis Ma, 2021

Zhou & Ma. 2021. Transactions of the American Entomological Society, 147: 57–66

Type specimens. Holotype: ♀, China, Shanxi, Lvliang City, Jiaokou County, Shuitou Town, Houyu Village, NTU. Paratypes: 5♀♀, China, Shanxi, same data as holotype, NTU.

Homidia hangzhouensis Pan & Ma, 2021

Pan & Ma. 2021. Zootaxa, 4995: 179–194

Type specimens. Holotype: ♀, China, Zhejiang, Hangzhou City, Xianghu Yuewangling (30°09'20"N, 120°13'35"E, 47 m), NTU. Paratypes: 5♀♀, China, Zhejiang, same data as holotype, NTU.

Homidia wanensis Pan & Ma, 2021

Pan & Ma. 2021. Zootaxa, 4995: 179–194

Type specimens. Holotype: ♀, China, Anhui, Huangshan City, Tangkou Town (30°06'55"N, 118°13'04"E, 393 m), NTU. Paratypes: 1♀, China, Anhui, same data as holotype; 2♀♀, China, Anhui, Huangshan City, Tangkou Town, Monkey Valley (30°03'56"N, 118°09'24"E, 477 m), NTU.

Willowsia flava Zhou, Pan & Ma, 2021

Zhou et al. 2021. Zootaxa, 4991: 073–092

Type specimens. Holotype: ♀, China, Shaanxi, Taibai Mountain (34°05'12"N, 107°42'06"E), NTU. Paratypes: 5♀♀, China, Shaanxi, Zhouzhi County, Qing Mountain (34°05'39"N, 108°02'27"E), NTU.

Willowsia hainanensis Zhou, Pan & Ma, 2021

Zhou et al. 2021. Zootaxa, 4991: 073–092

Type specimens. Holotype: ♀, China, Hainan, Shangen Town, Lizhikan Village (18°58'8"N, 110°28'56"E), NTU. Paratypes: 3♀♀, China, Hainan, same data as holotype, NTU.

Willowsia pseudobartkei Zhou Pan & Ma, 2021

Zhou et al. 2021. Zootaxa, 4991: 073–092

Type specimens. Holotype: ♀, China, Yunnan, Chengjiang County, Xilu Street (24°40'37"N, 102°54'24"E), NTU. Paratypes: 6♀♀, China, Yunnan, same data as holotype, NTU.

Neanuridae

Crossodonthina clavata Jiang & Wang, 2021

Jiang & Wang. 2021. Zootaxa, 5071: 587–599

Type specimens. Holotype: ♀, China, Guangdong, Nanling National Forest Park (24°02'N, 112°08'E, 1645 m), HUAS. Paratypes: 1♂, China, Hunan, Yizhang County, Mangshan National Nature Reserve (24°05'N, 112°05'E, 1230 m), HUAS; 1♂1♀, China, Hunan, Tiantaishan (24°06'N, 112°05'E, 1069 m), HUAS; 3♀♀, China, Hunan, Xiangsikeng (24°05'N, 112°07'E, 1290 m), HUAS; 1♀, Houwangzhai (24°08'N, 112°08'E, 650 m), HUAS; 1♂, China, Hunan, Zeziping, (24°04'N, 112°08'E, 1506 m), HUAS.

Crossodonthina acuminata Jiang & Wang, 2021

Jiang & Wang. 2021. Zootaxa, 5071: 587–599

Type specimens. Holotype: ♀, China, Hunan, Yizhang County, Mangshan National Nature Reserve (24°06'N,

112°55'E, 1070 m), HUAS. Paratypes: 4♀♀, China, Hunan, Yizhang County, Jiangjunzhai (24°55'N, 112°52'E, 1121 m), HUAS; 1♀, China, Hunan, Mangshan National Nature Reserve, Jiangjunzhai (24°55'N, 112°55'E, 1230 m), HUAS; 1♀, China, Hunan, Mangshan National Nature Reserve, (24°57'N, 112°53'E, 930 m), HUAS.

双尾目Diplura

Campodeidae

Hubeicampa Sendra & Lips, 2021

Hubeicampa melissa Sendra & Lips, 2021

Sendra et al. 2021. European Journal of Taxonomy, 731: 1–46

Type specimens. Holotype: ♀, China, Hubei, Banqiao, MZB. Paratypes: 1♂, China, Hubei, same collection data as for holotype, MZB; 1♀, China, Hubei, same collection data as for holotype, MZB.

Pacificampa wudonghuii Sendra, 2021

Sendra et al. 2021. European Journal of Taxonomy, 731: 1–46

Type specimens. Holotype: ♀, China, Liaoning, Xianren Dong, NEIGA. Paratypes: 1♀, China, Liaoning, Xianren Dong, same collection data as for holotype, MZB; 1♀, China, Liaoning, Pylon cave, MZB.

蜉蝣目Ephemeroptera

Ameletidae

Ameletus daliensis Tong, 2021

Li et al. 2021. ZooKeys, 1021: 37–51

Type specimens. Holotype: ♂, China, Yunnan, Mt. Cangshan, Mocan Stream (2020 m), BMDU. Paratypes: 1♂ (in ethanol, one male imago reared from larva and one larva are deposited in BMDU, the remaining in SCAU): 14 larvae and two imagos reared from larvae with same data as holotype; 20 larvae, one female sub-imago and one male imago reared from larvae, China, Yunnan, Mt. Cangshan, Heilong Stream (2220 m), SCAU.

Heptageniidae

Afronurus drepanophyllus Zhang, Lei, Li & Zhou, 2021

Zhang et al. 2021. European Journal of Taxonomy, 767: 94–116

Type specimens. Holotype: ♂, China, Yunnan, Meng-La County, Meng-Lun town (21°56'7.12"N, 101°14'55.72"E, 683 m), NNU. Paratypes: 2♂♂1♀, China, Yunnan, same collection data as for holotype, NNU.

Epeorus (Proepeorus) gibbus Zhou, 2021

Ma et al. 2021. Journal of Natural History, 55: 1131–1159

Type specimens. Holotype: ♂, China, Zhejiang, West Tianmu Mountain, Chanyuan Temple (30°19'16.7"N, 119°26'55.7"E). Paratypes: 2♀♀10 nymphs, same as the holotype; 2♂♂, China, Zhejiang, West Tianmu Mountain, unnamed creek in front of Tian-Mu Hotel; 1♂10 nymphs, China, Zhejiang, West Tianmu Mountain, Three Mile Pavilion; 20 nymphs, China, Zhejiang, West Tianmu Mountain, One Mile Pavilion.

Epeorus (Proepeorus) falcatus Zhou, 2021

Ma et al. 2021. Journal of Natural History, 55: 1131–1159

Type specimens. Holotype: ♂, China, Guizhou, Leishan City, Wudong Village (26°22'55.4"N, 108°10'01.8"E). Paratypes: 3♂♂2♀♀10 nymphs, same as holotype; 5 nymphs, China, Guangxi, Huaping Nature Reserve; 30 nymphs, China, Hunan, Shaoyang City, Jintong Mountain.

Regulaneuria Zhou, 2021

Lei et al. 2021. Insects, 12: 1020

Neoephemeridae

Pulchephemera Zhou, 2021

Ma & Zhou. 2021. Insects, 12: 723

半翅目 Hemiptera

Aleyrodidae

Dialeurodes (Gigaleurodes) parakmeriae Wang, 2021

Wang et al. 2021. Zootaxa, 4915: 585–593

Type specimens. Holotype: China, Zhejiang, Shuangxikou village (28°23.12'N, 118°41.15'E), ZAFU. Paratypes: 25, China, Zhejiang, same data as holotype, NHM, NATAU, SHEM, ZAFU.

Aphididae

Aphis gnetuma Qiao, 2021

Xu et al. 2021. Journal of Asia-Pacific Entomology, 24: 167–175

Type specimens. Holotype: apterous viviparous female, China, Guangxi, Napo County (23.32°N, 105.80°E, 1320 m), IZCAS. Paratypes: four apterous viviparous females, the same collection data as holotype, IZCAS.

Ceratovacuna atrovirensa Qiao, 2021

Jiang et al. 2021. Journal of Asia-Pacific Entomology, 24 (2021) 564–572

Type specimens. Holotype: apterous viviparous female, China, Tibet, Motuo County (29.235°N, 95.156°E, 811 m), IZCAS. Paratypes: 4♀♀, China, Tibet, Motuo County (29.507°N, 95.450°E, 897 m), IZCAS; 2♀♀, China, Tibet, with the same collection data as holotype, BMNH.

Glyphochaitophorus Qiao, 2021

Glyphochaitophorus cristaphis Qiao, 2021

Chen et al. 2021. Zootaxa, 4975: 581–591

Type specimens. Holotype: apterous viviparous female, China, Tibet, Yadong County, Xiayadong Town, IZCAS. Paratypes: 7 apterous viviparous females, 1 alate viviparous female, 1 fourth instar nymph and 1 young nymph, China, Tibet, with the same collection data as holotype, IZCAS; 2 apterous viviparous females, China, Tibet, with the same collection data as holotype, BMNH.

Neothelaxes pileata Qiao, 2021

Jiang et al. 2021. ZooKeys, 1076: 1–8

Type specimens. Holotype: apterous viviparous female, China, Tibet, Linzhi City, Motuo County (29.697°N, 95.556°E, 2678 m), IZCAS. Paratypes: 2 apterous viviparous females and 3 first instar nymphs, and 2 fourth instar apterous nymphs, China, Tibet, with the same collection data as the holotype, IZCAS; 1 apterous viviparous female, China, Tibet, with the same collection data as the holotype, BMNH.

Nipponaphis hubeiensis Wang & Chen, 2021

Wang et al. 2021. *Zoologia*, 38: e60598

Type specimens. Holotype: apterous viviparous female, China, Hubei, Zhushan County, Tianjiaba Town (32°11'48"N, 110°4'1"E, 556 m), RIRICAF. Paratypes: 14 apterous viviparous female, China, Hubei, same data as holotype, RIRICAF.

Caliscelidae

Augilina tetraina Chen & Gong, 2021

Gong et al. 2021. *European Journal of Taxonomy*, 744: 38–48

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang County, Nabang Town (24°70'N, 97°90'E), GUGC. Paratypes: 2♂♂, China, Yunnan, same collection data as for holotype, GUGC.

Augilina triaina Chen & Gong, 2021

Gong et al. 2021. *European Journal of Taxonomy*, 744: 38–48

Type specimens. Holotype: ♂, China, Yunnan, Menglong Town (21°58'N, 100°68'E), GUGC. Paratypes: 15♂♂24♀♀, China, Yunnan, same collection data as for holotype, GUGC; 1♂2♀♀, China, Yunnan, Mengla County, Menglun Town (21°50'N, 101°00'E), GUGC.

Cicadellidae

Anufrievia anchoroides Lin & Zhang, 2021

Lin et al. 2021. *Zootaxa*, 5027: 438–444

Type specimens. Holotype: ♂, China, Yunnan, Jinghong, NWAUFU. Paratypes: 2♂♂, China, Yunnan, same data as holotype, NWAUFU.

Anufrievia confluensa Tan, Jiang & Song, 2021

Tan et al. 2021. *Biodiversity Data Journal*, 9: e68043

Type specimens. Holotype: ♂, China, Guizhou, Shibing County, GZNU.

Anufrievia crispata Tan, Jiang, Song, 2021

Tan et al. 2021. *Biodiversity Data Journal*, 9: e68043

Type specimens. Holotype: ♂, China, Guizhou, Bijie City, Salaxi Town, GZNU. Paratypes: 4♂♂, China, Guizhou, data same as holotype, GZNU.

Anufrievia drepanoides Lin & Zhang, 2021

Lin et al. 2021. *Zootaxa*, 5027: 438–444

Type specimens. Holotype: ♂, China, Yunnan, Jinghong, NWAFU.

Anuihuaqianga Zhang & Song, 2021

Anuihuaqianga pyramidalis Zhang & Song, 2021

Zhang et al. 2021. *Revista Brasileira de Entomologia*, 65: e20210041

Type specimens. Holotype: ♂, China, Guizhou, Huajiang, GZNU. Paratypes: 10♂♂17♀♀, same data as holotype, GZNU.

Anzihelus Yan, He, Yang & Webb, 2021

Anzihelus bistriatus Yan, He, Yang & Webb, 2021

Yan et al. 2021. *ZooKeys*, 1028: 61–67

Type specimens. Holotype: ♂, China, Sichuan, Anzihe Nature Reserve (1595 m), GUGC. Paratypes: 6♂♂4♀♀, China, Sichuan, same data as holotype, GUGC; 1♂, China, Sichuan, Anzihe Nature Reserve (1687 m), BMNH.

Arboridia (Arboridia) huajiangensis Jiang, Luo & Song, 2021

Jiang et al. 2021. *Zootaxa*, 5005: 349–357

Type specimens. Holotype: ♂, China, Guizhou, Huajiang, GZNU. Paratypes: 22♂♂27♀♀, China, Guizhou, same data as holotype, GZNU.

Arboridia (Arborifera) changlingensis, Jiang, Luo & Song, 2021

Jiang et al. 2021. *Zootaxa*, 5005: 349–357

Type specimens. Holotype: ♂, China, Guizhou, Changlingpo Forest Park, GZNU.

Calodia quadrimacula Wang, Li & Dai, 2021

Wang et al. 2021. *ZooKeys*, 1023: 49–60

Type specimens. Holotype: ♂, China, Guizhou, Weining County, Caohai Reserve, GUGC. Paratypes: 3♂♂6♀♀, China, Guizhou, same information as holotype, GUGC; 2♂♂, China, Yunnan, Xinning County, GUGC.

Calodia zuoae Wang, Li & Dai, 2021

Wang et al. 2021. *ZooKeys*, 1023: 49–60

Type specimens. Holotype: ♂, China, Yunnan, Mt. Gaoligong, GUGC. Paratype: 1♂, China, Yunnan, same information as holotype, GUGC.

Empoascanara dichotomus Yang, Luo & Song, 2021

Yang et al. 2021. *Biodiversity Data Journal*, 9: e70141

Type specimens. Holotype: ♂, China, Guizhou, Huajiang, Xiagu Village, GZNU. Paratypes: 11♀♀, China, Guizhou, same data as holotype, GZNU.

Eurhadina (Singhardina) dissimilis Zhang & Huang, 2021

Zhou et al. 2021. Zootaxa, 5061: 510–522

Type specimens. Holotype: ♂, China, Yunnan, Sanchahe, NWAFU. Paratypes: 2♂♂, China, Yunnan, same data as holotype, NWAFU; 1♂, China, Yunnan, Mengyang, NWAFU; 1♂, China, Yunnan, Yaoqu, NWAFU.

Eurhadina (Singhardina) flatilis Zhang & Huang, 2021

Zhou et al. 2021. Zootaxa, 5061: 510–522

Type specimens. Holotype: ♂, China, Yunnan, Sanchahe, NWAFU. Paratypes: 35♂♂, China, Yunnan, same data as holotype, NWAFU; 1♂, China, Yunnan, Mengyang, NWAFU.

Eurhadina (Singhardina) fumosa Zhang & Huang, 2021

Zhou et al. 2021. Zootaxa, 5061: 510–522

Type specimens. Holotype: ♂, China, Yunnan, Sanchahe, NWAFU. Paratypes: 13♂♂, China, Yunnan, same data as holotype, NWAFU; 1♂, China, Yunnan, Mengyang, NWAFU.

Eurhadina (Singhardina) furca Zhang & Huang, 2021

Zhou et al. 2021. Zootaxa, 5061: 510–522

Type specimens. Holotype: ♂, China, Yunnan, Yaoqu, NWAFU. Paratypes: 28♂♂, China, Yunnan, Yaoqu, NWAFU.

Eurhadina (Singhardina) immatura Zhang & Huang, 2021

Zhou et al. 2021. Zootaxa, 5061: 510–522

Type specimens. Holotype: ♂, China, Yunnan, Sanchahe, NWAFU. Paratypes: 8♂♂, China, Yunnan, same data as holotype, NWAFU; 1♂, China, Yunnan, Mengla, Mt. Nangong, NWAFU.

Fuscmacula Yao, Zhang & Xing, 2021

Fuscmacula biprocessa Yao, Zhang & Xing, 2021

Yao et al. 2021. Zootaxa, 4966: 245–250

Type specimens. Holotype: ♂, China, Guizhou, Weining County, Meihua, GUGC; paratypes: 23♂♂14♀♀, same data as holotype, GUGC.

Hatigoria longistylia Tang & Zhang, 2021

Tang et al. 2021. Zootaxa, 5005: 358–366

Type specimens. Holotype: ♂, Laos, Vientiane, BPBM (Bernice P. Bishop Museum, Honolulu). Paratype: 1♂, China, Yunnan, Daluo Town, NWAFU.

Idiocerus serratastylus Wang, Wang, Zhou & Dai, 2021

Wang et al. 2021. Zootaxa, 4995: 375–381

Type specimens. Holotype: ♂, China, Yunnan, Mt. Gaoligongshan (25°18'16"N, 98°48'03"E, 1581 m), GUGC. Paratypes: 5♂♂4♀♀, China, Yunnan, same information as holotype, GUGC.

Idioscopus furcaprocessus Wang, Wang, Zhou & Dai, 2021

Wang et al. 2021. Zootaxa, 4995: 375–381

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang County (24°37'04"N, 97°38'33"E, 1385 m), GUGC. Paratypes: 15♂♂6♀♀, China, Yunnan, same information as holotype, GUGC.

Idioscopus longiprocessus Wang, Wang, Zhou & Dai, 2021

Wang et al. 2021. Zootaxa, 4995: 375–381

Type specimens. Holotype: ♂, China, Yunnan, Pingbian County, Mt. Daweishan (22°59'12"N, 108°41'18"E, 1500 m), GUGC. Paratypes: 5♂♂3♀♀, China, Yunnan, Xiping County, Mt. Ailaoshan (23°58'06"N, 101°30'34"E, 2071 m), GUGC.

Kapsa ramosis Yang, Luo & Song, 2021

Yang et al. 2021. Biodiversity Data Journal, 9: e70141

Type specimens. Holotype: ♂, China, Guizhou, Huajiang, GZNU. Paratypes: 5♀♀, China, Guizhou, same data as holotype, GZNU.

Longiaedeagus Wang, Wang & Dai, 2021

Longiaedeagus flavofasciatus Wang, Wang & Dai, 2021

Wang et al. 2021. Zootaxa, 4942: 146–150

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang County (24°35'57"N, 97°39'56"E, 1385 m), GUGC. Paratypes: 2♂♂4♀♀, China, Yunnan, same information as holotype, GUGC; 2♀♀, China, Yunnan, Baoshan City, Mt. Gaoligong (25°18'16"N, 98°48'03"E, 1581 m), GUGC.

Mileewa clavata He & Yang, 2021

He et al. 2021. Zootaxa, 4949: 521–540

Type specimens. Holotype: ♂, China, Hainan, Yinggeling Mountain, GUGC.

Mileewa digitata Yu, He & Yang, 2021

Yu et al. 2021. Zootaxa, 4933: 435–443

Type specimens. Holotype: ♂, China, Tibet, Motuo, Beibeng, GUGC. Paratypes: 2♂♂18♀♀, China, Tibet, Beibeng, the same data as holotype, GUGC; 23♂♂56♀♀, China, Tibet, Motuo, GUGC; 10♂♂7♀♀, China, Tibet, Motuo, Beibeng, GUGC; 1♂4♀♀, China, Tibet, Motuo, Beibeng, GUGC; 3♂♂6♀♀, China, Tibet, Motuo, Dexing (1068 m), GUGC.

Mileewa furcata Yu, He & Yang, 2021

Yu et al. 2021. Zootaxa, 4933: 435–443

Type specimens. Holotype: ♂, China, Tibet, Motuo, GUGC. Paratypes: 1♀, China, Tibet, the same data as holotype, GUGC.

Mileewa nigricincta Yu, He & Yang, 2021

Yu et al. 2021. Zootaxa, 4933: 435–443

Type specimens. Holotype: ♂, China, Tibet, Motuo, Dexing (1068 m), GUGC. Paratypes: 1♀, China, Tibet, Motuo, GUGC; 2♀♀, China, Yunnan, Shangyun (1700–1900 m), GUGC.

Mileewa quinquemaculata He & Yang, 2021

He et al. 2021. Zootaxa, 4949: 521–540

Type specimens. Holotype: ♂, China, Hainan, Wuzhi Mountain, GUGC. Paratypes: 1♂1♀, China, Hainan, Yinggeling Mountain, GUGC; 1♀, China, Hainan, same data as holotype, GUGC.

Mileewa rubricosta He & Yang, 2021

He et al. 2021. Zootaxa, 4949: 521–540

Type specimens. Holotype: ♂, China, Gansu, Diebu County, Lazikou (2121 m), GUGC.

Mileewa triloba He, Yan & Yang, 2021

He et al. 2021. Zootaxa, 4933: 444–450

Type specimens. Holotype: ♂, China, Hainan, Diaoluo Mountain (784 m), GUGC.

Mitjaevia bifurcate Luo, Song & Song, 2021

Luo et al. 2021. Biodiversity Data Journal, 9: e72420

Type specimens. Holotype: ♂, China, Guizhou, Bijie City, Qixinguan District, Salaxi Town, GZNU. Paratypes: 4♂♂4♀♀, China, Guizhou, Bijie City, Qixinguan District, Salaxi Town, GZNU.

Mitjaevia ramosa Luo, Song & Song, 2021

Luo et al. 2021. Biodiversity Data Journal, 9: e72420

Type specimens. Holotype: ♂, China, Guizhou, Huajiang, GZNU. Paratypes: 1♂, China, Guizhou, Huajiang, GZNU.

Neurotettix spinas Wang, Yang & Chen, 2021

Wang et al. 2021. Zootaxa, 4908: 141–146

Type specimens. Holotype: ♂, China, Guizhou, Xishui County, Dongfeng Lake Nature Reserve (28°32'N, 106°23'E, 1204 m), GUGC. Paratypes: 4♂♂3♀♀, China, Guizhou, same as holotype, GUGC.

Nirvanguina bifurcatus Xu & Zhang, 2021

Xu et al. 2021. Zootaxa, 4966: 585–590

Type specimens. Holotype: ♂, China, Yunnan, Wild Elephant Valley (764m), NWAUFU. Paratypes: 2♂♂, China, Yunnan, same data as the holotype, NWAUFU; 1♂, China, Yunnan, Mengla County, Shangyong Town, Longmen Village, NWAUFU.

Protensus lii Zhang, Webb & Xing, 2021

Zhang et al. 2021. Zootaxa, 4964: 179–187

Type specimens. Holotype: ♂, China, Hubei, Dabie Mt., Taohuachong, GUGC. Paratypes: 2♂♂4♀♀, China, Hubei, same data as the holotype, GUGC.

Shibinga Song, Yuan & Jiang, 2021

Shibinga nigra Song, Yuan & Jiang, 2021

Song et al. 2021. ZooKeys, 1042: 35–40

Type specimens. Holotype: ♂, China, Guizhou, Shibing, Heichong, GZNU. Paratypes: 1♂, China, Guizhou, Shibing, same data as holotype, GZNU; 1♂, China, Guizhou, Heichong, GZNU; 2♂♂, China, Guizhou, Niejiayan, GZNU; 1♂, China, Guizhou, Wangjiazhuang, GZNU; 3♀♀, China, Guizhou, Lutianba, GZNU.

Thaioneura huajiangensis Jiang, Tam & Song, 2021

Jiang et al. 2021. Journal of Asia-Pacific Entomology, 24: 629–635

Type specimens. Holotype: ♂, China, Guizhou, Huajiang Town, GZNU. Paratypes: 3♂♂5♀♀, same data as holotype, GZNU.

Ujna cavipenis He, Yan & Yang, 2021

He et al. 2021. Zootaxa, 4933: 444–450

Type specimens. Holotype: ♂, China, Hainan, Wuzhi Mountain (693 m), GUGC. Paratypes: 1♂1♀, China, Hainan, data same as holotype, GUGC.

Ujna liboensis He & Yang, 2021

He et al. 2021. Zootaxa, 4949: 521–540

Type specimens. Holotype: ♂, China, Guizhou, Libo County (513 m), GUGC. Paratypes: 2♀♀, China, Guizhou, data same as holotype, GUGC.

Cicadidae

Haphsa acutipetala Wang, Peng & Wei, 2021

Wang et al. 2021. Zootaxa, 4991: 523–538

Type specimens. Holotype: ♂, China, Yunnan, Mengla County, NWAUFU. Paratypes: 3♂♂, China, Yunnan, same data as holotype, NWAUFU.

Maua squeala Wang, Duffels & Wei, 2021

Wang et al. 2021. Zootaxa, 4949: 582–588

Type specimens. Holotype: ♂, China, Fujian, Jiufeng Mountain, NWAUFU. Paratypes: 14♂♂1♀, China, Fujian, Jiufeng Mountain, NWAUFU; 1♂, China, Jiangxi, Damao Mountain, NWAUFU.

Cixiidae

Kirbyana aspina Zhi & Chen, 2021

Zhi et al. 2021. *ZooKeys*, 1037: 1–14

Type specimens. Holotype: ♂, China, Hunan, Yunshan National Forest Park (26°40'N, 110°37'E), GUGC.

Paratypes: 8♂♂7♀♀, China, Hunan, same data as holotype, GUGC.

Kirbyana furcata Zhi & Chen, 2021

Zhi et al. 2021. *ZooKeys*, 1037: 1–14

Type specimens. Holotype: ♂, China, Yunnan, Dulong Town, Jinzhuping Village (22°56'N, 104°30'E), GUGC.

Paratypes: 1♂1♀, China, Guangxi, Hechi City, Jinchengjiang Park (24°41'N, 108°3'E), GUGC.

Coccoidea

Newsteadia fanjingensis Zheng & Xing, 2021

Zheng et al. 2021. *Zootaxa*, 4981: 481–505

Type specimens. Holotype: ♀, China, Guizhou, Jiangkou County, Fanjingshan, GUGC. Paratypes: 6♂♂7♀♀, China, Guizhou, Jiangkou County, Fanjingshan, GUGC.

Corixidae

Cenocorixa yuanjiangensis Xie & Liu, 2021

Xie et al. 2021. *ZooKeys*, 1055: 89–94

Type specimens. Holotype: ♂, China, Yunnan, Yuanjiang Wangxiangtai Nature Reserve (23.38°N, 101.92°E, 2020 m), NKU. Paratypes: 3♂♂9♀♀, China, Yunnan, same date as holotype, NKU.

Cymatia shiae Xie & Zhao, 2021

Xie & Zhao. 2021. *Journal of Asia-Pacific Entomology*, 24: 1066–1069

Type specimens. Holotype: 1♂, China, Inner Mongolia Autonomous Region, Badain Jaran Desert of Alxa Right Banner [阿拉善右旗巴丹吉林沙漠天池] (39.33°N, 102.20°E), NKU. Paratypes: 3♂♂1♀, same date as holotype, NKU; 4♂♂3♀♀, Swan Lake of Tengger Desert of Alxa Left Banner [阿拉善左旗腾格里沙漠天鹅湖] (38.41°N, 105.16°E), NKU.

Diaspididae

Nikkoaspis brevispina Tian, Zheng & Xing, 2021

Tian et al. 2021. *Zootaxa*, 4949: 363–370

Type specimens. Holotype: ♀, China, Guizhou, Fanjing Mountain, GUGC. Paratypes: 9♀♀, China, Guizhou, same to holotype, GUGC.

Dictyopharidae

Doryphorina multifurcella Zheng, Yang, Chen, Luo & Luo, 2021

Zheng et al. 2021. Sichuan Journal of Zoology, 40: 71–74

Type specimens. Holotype: ♂, China, Yunnan, Lijiang, GUGC. Paratypes: 1♂, China, Henan, Luanchuan, Heyuzhen, GUGC.

Saigona baiseensis Zheng & Chen, 2021

Zheng et al. 2021. ZooKeys, 1054: 185–200

Type specimens. Holotype: ♂, China, Guangxi, Tianlangping Baise, GUGC. Paratypes: 8♂♂2♀♀, China, Guangxi, same to holotype, GUGC.

Saigona maculata Zheng & Chen, 2021

Zheng et al. 2021. ZooKeys, 1054: 185–200

Type specimens. Holotype: ♂, China, Guangxi, Tianlin County, Lang Ping town, GUGC. Paratypes: 1♂, China, Guangxi, same to holotype, GUGC.

Geocoridae

Geocoris xishaensis Zhou, Cai & Gao, 2021

Zhou et al. 2021. Entomotaxonomia, 43: 1–6

Type specimens. Holotype: ♂, China, Hainan, Yongxing Island, Xisha District, Sansha City, NJFU. Paratypes. 2♀♀, same as holotype, NJFU; 1♀, PQSTP; 1♂1♀, same as above, PQSTP; 1♀, same as above, PQSTP; 2♀♀, China, Hainan, Liangqin Village, Tianya District, Sanya City, NJFU; 1♂1♀, China, Hainan, Gangmen Village, Yazhou District, Sanya City, PQSTP.

Issidae

Euxaldar daweishanensis Yang, Chang, Yang & Chen, 2021

Yang et al. 2021. ZooKeys, 1021: 19–35

Type specimens. Holotype: ♂, China, Yunnan, Pingbian County, Mt: Daweishan National Nature Reserve (23°07'N, 103°20'E), GUGC. Paratypes: 7♂♂36♀♀, China, Yunnan, same data as holotype, GUGC.

Largidae

Physopelta (Neophysopelta) fusciscutellata Souma & Ishikawa, 2021

Souma & Ishikawa. 2021. Zootaxa, 4951: 461–491

Type specimens. Holotype: ♂, China, Taiwan, Hualien County (23°09'N, 121°17'E), TUA. Paratypes: 1♀, China, Taiwan, Hualien County (23°09'N, 121°17'E), TUA. 3♂♂3♀♀, China, Taiwan, Kaohsiung City, Taoyuan District (23°03'07.6"N, 120°44'42.7"E, 1350 m), TUA; 4♂♂5♀♀, China, Taiwan, Taoyuan District, Mt. Jianfu Shan (23°02'39.4"N, 120°44'42.7"E), TUA; 1♂1♀, China, Taiwan, “Kuraru” [= Shedding?], ELKU; 10♂♂10♀♀, China, Taiwan, New Taipei City, Wulai District, TUA; 1♀, China, Taiwan, Wulai District, Yeyao, TUA; 1♂, China, Taiwan, Wulai District, Yeyao, ELKU; 1♀, China, Taiwan, Taichung City, Dasyueshan logging Rd., NMNS; 2♂♂1♀, China, Taiwan, Basianshan Natl. For. Recr. Area, NMNS; 1♀, China, Taiwan, Heping District, Kukuan-Spa, TUA; 1♀, China, Taiwan, Heping District, Mt. Lishan, TUA; 1♂, China, Taiwan, Taitung County, Taiyan env. (23°08'N, 121°28'E, 240 m), NMP; 2♀♀, China, Taiwan, Taitung County, Taiyan env. (22°87'N, 121°16'E,

420 m), NMP; 2♂♂4♀♀, China, Taiwan, Dunghe Township, Taiyuan, TUA; 3♂♂1♀, China, Taiwan, Beinan Township, Longquan Road, Chihpen-Spa, TUA; 1♀, China, Taiwan, Taoyuan City: Mingehih env. (24°65'N, 121°42'E, 1,075 m), NMP; 2♂♂, China, Taiwan, Fuxing District, Paling, TUA; 2♀♀, China, Taiwan, Chiayi County, Zhuqi Township, Fenchihu Lake, TUA; 1♂, China, Taiwan, Nantou County, Highland Exp. Farm NTU, NMNS; 2♂♂, China, Taiwan, Nantou County, Section between Meifeng and Tsuifeng, NMNS; 1♀, China, Taiwan, Nantou County, Ren'ai Township (24°04'23.6"N, 121°09'32.4"E), TUA; 3♂♂7♀♀, China, Taiwan, Nantou County, Yushi Township, TUA; 1♀, China, Taiwan, "Hori" [= Puli Town Hall?], ELKU; 1♀, China, Taiwan, Pingtung County, Hengchun Township, Kenting National Park, TUA; 1♂1♀, China, Taiwan, Pingtung County, Hengchun Township, Kenting National Park, ELKU; 1♀, China, Taiwan, Yilan County, Fu-Shan Botanical Garden, NMNS; 2♂♂5♀♀, China, Taiwan, Yilan County, "Taiheizan (Taihoku-shû)" [= Datong Township, Mt. Taiping-shan?], ELKU; 16♂♂7♀♀, China, Taiwan, Yilan County, "Taiheizan (Taihoku-shû), Tamonkei" [= Datong Township, Mt. Taiping-shan, Towenchi?], ELKU; 1♂1♀, China, Taiwan, Yilan County, "Taiheizan (Taihoku-shû), Kamiyodani" [= Datong Township, Mt. Taiping-shan], ELKU; 6♂♂6♀♀, China, Taiwan, Yilan County, "Taiheizan (Taihoku-shû), Togano-Gerirosan-Tamonkei" [= Datong Township, Mt. Taiping-shan, , ELKU; (2♀♀, China, Taiwan, Yilan County, Yuanshan Township, TUA; 1♂1♀, China, Taiwan, Lanyu Island, Taitung County, Orchid island [= Lanyu], NMNS.

Physopelta (Neophysopelta) lutaspidata Souma & Ishikawa, 2021

Souma & Ishikawa. 2021. Zootaxa, 4951: 461–491

Type specimens. Holotype: macropterous ♂, China, Taiwan, Yilan County, "Taiheizan (Taihoku-shû), Tamonkei" [= Datong Township, Mt. Taiping-shan, Towenchi?], ELKU. Paratypes: (macropterous 7♂♂5♀♀), 1♂, China, Taiwan, Yilan County, "Taiheizan (Taihoku-shû), Kamiyodani" [=Datong Township, Mt. Taiping-shan, "神代谷"?], ELKU; 1♂, "Taiheizan (Taihoku-shû)" [= Datong Township, Mt. Taipingshan?], ELKU. 3♂♂3♀♀, Nantou County, Shanlinxi, NMNS; 2♂♂2♀♀, Nantou County, Shanlinxi, NCHU.

Lygaeidae

Cavelerius yunnanensis Cao & Zhou, 2021

Cao & Zhou, 2021. Acta Entomologica Musei Nationalis Pragae, 61: 113–132

Type specimens. Holotype: ♂, China, Yunnan, Yuanjiang county, Mili township, NKU. Paratypes: 9♂♂, same as holotype, NKU; 6♂♂1♀, China, Yunnan, Yuanjiang county, Mili township, NKU; 1♂, same data. 19♂♂, China, Yunnan, Hekou (80 m), IZCAS; 1♂, China, Yunnan, Xishuangbanna, Jinghong (910 m), IZCAS.

Margarodidae

Gompholopium Gavrilo-Zimin, 2021

Gompholopium quercicola Gavrilo-Zimin, 2021

Gavrilo-Zimin. 2021. European Journal of Taxonomy, 746: 50–61

Type specimens. Holotype: ♀, China, Yunnan, Jingdong, ZINRAS. Paratypes: 11♀♀, China, Yunnan, same collecting data as for holotype, ZINRAS.

Meenoplidae

Eponisiella dafangensis Lv, Yang & Chen, 2021

Lv et al. 2021. European Journal of Taxonomy, 767: 83–93

Type specimens. Holotype: ♂, China, Guizhou, Dafang County (27°19'N, 105°61'E), GUGC. Paratypes: 4♂♂2♀♀, China, Guizhou, same collection data as for holotype, GUGC.

Eponisiella shandongensis Lv, Yang & Chen, 2021

Lv et al. 2021. European Journal of Taxonomy, 767: 83–93

Type specimens. Holotype: ♂, China, Shandong, Yellow River Delta Nature Reserve (37°72'N, 118°95'E), GUGC. Paratypes: 2♀♀, China, Shandong, same collection data as for holotype, GUGC.

Metanigrus chromus Lv & Chen, 2021

Lv et al. 2021. ZooKeys, 1024: 197–213

Type specimens. Holotype: ♂, China, Hubei, Dabieshan National Natural Reserve (31°03'N, 115°40'E), GUGC. Paratypes: 17♂♂31♀♀, China, Hubei, Dabieshan National Natural Reserve, GUGC.

Metanigrus gremius Lv & Chen, 2021

Lv et al. 2021. ZooKeys, 1024: 197–213

Type specimens. Holotype: ♂, China, Yunnan, Daweishan National Natural Reserve (22°94'N, 103°70'E), GUGC. Paratypes: 3♂♂1♀, China, Yunnan, Daweishan National Natural Reserve, GUGC.

Metanigrus guttatus Lv & Chen, 2021

Lv et al. 2021. ZooKeys, 1024: 197–213

Type specimens. Holotype: ♂, China, Guizhou, Zhijin county (26°35'N, 105°53'E), GUGC. Paratypes: 12♂♂8♀♀, China, Guizhou, Zhijin county, GUGC.

Metanigrus spinatus Lv, Chen & Bourgoin, 2021

Lv et al. 2021. ZooKeys, 1024: 197–213

Type specimens. Holotype: ♂, China, Yunnan, Menglun (21°93'N, 101°26'E), GUGC. Paratypes: 17♂♂15♀♀, China, Yunnan, Menglun, GUGC.

Pentatomidae

Zhengica Rádei & Tsai, 2021

Zhengica cornuta Rádei & Tsai, 2021

Rádei & Tsai. 2021. Zootaxa, 5071: 271–282

Type specimens. Holotype: ♂, China, Shanxi, Xi'an, Huxian, Huashuping (approximately 33.68°N, 107.65°E, 2400 m), NMNS.

Plokiophilidae

Plokiophiloides bannaensis Luo, Peng & Xie, 2021

Luo et al. 2021. ZooKeys, 1021: 145–157

Type specimens. Holotype: ♂, China, Yunnan, Xishuangbanna, Mengla County, Menglun Town, XTBG (21°54.965'N, 101°16.293'E, 670 m), SYSBM. Paratypes: 5♂♂5♀♀, China, Yunnan, same data as holotype,

SYSBM.

Reduviidae

Abelocephala baliensis Forthman, 2021

Forthman. 2021. Zootaxa, 4920: 278–286

Type specimens. Holotype: ♂, China, Taiwan, New Taipei City, Bali District, farmer's pomelo fields (25.145°N, 121.427°E; 270m), NMNS.

Abelocephala yilanensis Forthman, 2021

Forthman. 2021. Zootaxa, 4920: 278–286

Type specimens. Holotype: ♂, China, Taiwan, Yilan County; Datong township, roadside drainage valley (24.648°N, 121.569°E; 250m), NMNS,

Proguithera caspersi Chen, Li & Cai, 2021

Chen et al. 2021. Zootaxa, 4963: 354–364

Type specimens. Holotype: ♂, China, Hainan, Baisha, Nankai (19°4'37"N, 109°25'6"E), CAU. Paratypes: 2♀♀, China, Hainan, same collection data as holotype, CAU.

Scloimina pallens P. Zhao and Cai, 2021

Zhao et al. 2021. Insect, 2021, 12: 251

Type specimens. Holotype: ♂, China, Guizhou, Anlong, Xianheping, CAU. Paratypes: 7♂♂15♀♀, China, Guizhou, Anlong, Xianheping, CAU; 10♂♂13♀♀, China, Guangxi, Tianlin, Langping, CAU.

Scloimina parva P. Zhao and Cai, 2021

Zhao et al. 2021. Insect, 2021, 12: 251

Type specimens. Holotype: ♂, China, Shannxi, Hanzhong, Hongjunlin, CAU. Paratypes: 2♂♂12♀♀, China, Shannxi, Hanzhong, Hongjunlin, CAU.

Scloimina xingrensis P. Zhao and Cai, 2021

Zhao et al. 2021. Insect, 2021, 12: 251

Type specimens. Holotype: ♂, China, Guizhou, Lishuping, CAU. Paratypes: 23♂♂21♀♀, China, Guizhou, Lishuping, CAU.

Ricaniidae

Ricanula curva Zhang, Wang, Stroinski & Qin, 2021

Zhang et al. 2021. Zootaxa, 5047: 353–369

Type specimens. Holotype: ♂, China, Guangxi, Tianlin, Langping, NWAUFU. Paratypes: 4♂♂2♀♀, China, Guangxi, Baise, Yangwei, NWAUFU; 1♂, China, Guangxi, Longzhou, Longhu, NWAUFU; 1♂, China, Guangxi, Longzhou, Nonggang (240m), NWAUFU; 2♂♂1♀, China, Guangxi, Tianlin, Langping, NWAUFU; 1♀, China, Guangxi, Longsheng, NWAUFU; 3♂♂15♀♀, China, Guangxi, Lingtian, NWAUFU; 2♂♂2♀♀, China, Guangxi, Longzhou, Daqing Mountain, NWAUFU.

Ricanula peronata Zhang, Wang, Stroinski & Qin, 2021

Zhang et al. 2021. Zootaxa, 5047: 353–369

Type specimens. Holotype: ♂, China, Yunnan, Menglun (650 m), NWAUFU. Paratypes: 1♂, China, Yunnan, Menglun (650–700 m), NWAUFU; 7♂♂17♀♀, China, Yunnan, Menglun, NWAUFU.

Tingidae

Stephanitis (Norba) syoitii Souma, 2021

Souma. 2021. Journal of Insect Biodiversity, 2021, 23: 17–22

Type specimens. Holotype: ♂, China, Taiwan, Pingtung County, Kuraru, Sheding, ELKU.

Tropiduchidae

Catullioides taishunensis Zhu, Wang & Song, 2021

Zhu et al. 2021. ZooKeys, 1037: 119–136

Type specimens. Holotype: ♂, China, Zhejiang, Taishun, Beikengdi (27°28'30"N, 119°54'28"E), JSSNU. Paratypes: 3♂♂, China, Zhejiang, same data as holotype, JSSNU; 3♂♂, China, Zhejiang, same data as holotype, IZCAS.

螳螂目 Mantodea

Amorphoscelidae

Amorphoscelis guaduna Wu and Liu, 2021

Wu et al. 2021. Journal of Natural History, 2021, 55:189–204

Type specimens. Holotype: ♂, China, Fujian, Guadun, Wuyishan Mt. (1200 m), IZCAS.

Amorphoscelis xueshani Wu and Liu, 2021

Wu et al. 2021. Journal of Natural History, 2021, 55:189–204

Type specimens. Holotype: ♂, China, Tibet, Medog (29.58323°N, 95.46829°E, 1396 m), IZCAS. Paratypes: 2♂♂, China, Tibet, Medog (29.58323°N, 95.46829°E, 1396 m), CWC; 1♂, China, Tibet, Medog, Dexing (29.33452°N, 95.31611°E, 818 m), IZCAS.

Haaniidae

Arria pura Wang & Chen, 2021

Wang et al. 2021. ZooKeys, 1025: 1–19

Type specimens. Holotype: ♂, China: China, Guizhou, Weining County, Jinzhong Town (26°42.34'N, 104°37.29'E, 2550 m), GUGC. Paratypes: 1♀, China, Guizhou, same data and locality as holotype, GUGC; 1♀, China, Guizhou, Weining County, Xueshan Town (27°04.04'N, 104°06.68'E, 2450 m), GUGC.

Hymenopodidae

Theopropus sinecus qiongae Wu & Liu, 2021

Wu et al. 2021. ZooKeys, 1049: 163–182

Type specimens. Holotype: ♂, China, Hainan, Jianfengling Mt., Mingfenggu (18°44'75"N, 108°50'28"E, 950 m), IZCAS. Paratypes: 2♀♀, China, Hainan, Jianfengling Mt., Tianchi (18°44'25"N, 108°51'37"E, 900 m), IZCAS; 1♀, China, Hainan, Jianfengling Mt., Tianchi, IZCAS; 1♀, China, Hainan, Wuzhishan Mt. (18°53'17"N, 109°40'01"E, 750 m), CWC; 1♀, China, Hainan, Ying'geling Mt. (600 m), CWC; 3♂♂, China, Hainan, same as before, IZCAS;

4♂♂, China, Hainan, Limushan Mt. (700 m), CWC; 1♂, China, Hainan, Jianfengling Mt., Mingfenggu (950 m), CWC; 1♀1♂, China, Hainan, Jianfengling Mt., Mingfenggu, CJZ.

Theopropus xishiae Wu & Liu, 2021

Wu et al. 2021. ZooKeys, 1049: 163–182

Type specimens. Holotype: ♂, China, Tibet, Beibeng (29°14'58.14"N, 95°10'31.55"E, 960 m), IZCAS. Paratypes: 1♀, China, Tibet, Beibeng (29°14'58.14"N, 95°10'31.55"E, 960 m), IZCAS; 2♂♂, China, Tibet, Dexing cun (29°19'36.48"N, 95°16'59.82"E, 770 m), IZCAS; 2♂♂, China, Tibet, Jiangxin cun (29°13'02.90"N, 95°08'05.61"E, 1200 m), CWC; 1♂, China, Tibet, Beibeng (29°14'21.52"N, 95°12'00.21"E, 1320 m), CJZ; 1♀, China, Tibet, Beibeng (1000 m), IZCAS.

Mantidae

Hierodula jianfenglingensis Liu, Liu, Chen, Yuan & Shi, 2021

Liu et al. 2021. Oriental Insects 0030-5316

Type specimens. Holotype: ♂, China, Hainan, Ledong, Jianfeng mountain (18°45'N, 109°10'E), QAU. Paratype: 1♂, same locality and data as holotype, QAU.

Rhombomantis longipennis Wang, Ehrmann & Borer, 2021

Wang et al. 2021. Faunitaxys, 9: 1–23.

Type specimens. Holotype: ♂, Thailand, Chiang Mai, Golden triangle, SMNK (Staatliches Museum für Naturkunde, Karlsruhe, Germany). Paratypes: China, Yunnan, Mengla, Wangtianshu (750m), IZCAS.

Titanodula menglaensis Liu, Liu, Wang & Yin, 2021

Liu et al. 2021. Zootaxa, 4951: 401–433

Type specimens. Holotype: 1♂, China, Yunnan, Menglun Town (101°11'E, 21°55'N, 700m), QAU. Paratypes: 2♀♀, China, Yunnan, same date and locality as holotype, QAU.

长翅目 Mecoptera

Panorpidae

Cerapanorpa alpina Gao & Hua, 2021

Gao et al. 2021. Biodiversity Data Journal, 9: e72451

Type specimens. Holotype: ♂, China, Chongqing, Huang'anba (31°50'43"N 109°11'23"E, 2380m), NWAU. Paratypes: 18♂♂23♀♀, China, Chongqing, Huang'anba (31°50'43"N 109°11'23"E, 2380m), NWAU; 17♂♂25♀♀, China, Shaanxi, Shentian (32°02'36"N 108°49'08"E, 2430m), NWAU; 12♂♂13♀♀, China, Shaanxi, Hualongshan (32°00'23"N 109°19'25"E, 2160m), NWAU; 9♂♂14♀♀, China, Hubei, Tianyan (31°42'58"N 110°21'35"E, 2250m), NWAU; 35♂♂46♀♀, China, Hubei, Dalongtan (31°29'39"N 110°18'10"E, 2180m), NWAU; 4♂♂2♀♀, China, Hubei, Jizi Valley (31°32'06"N 110°19'59"E, 1800m), NWAU.

Neopanorpa liuxingyuei Wang, 2021

Wang. 2021. Acta Entomologica Musei Nationalis Pragae, 61: 203–212

Type specimens. Holotype: ♂, China, Tibet, Shigatze Prefecture, Yadong County, Kambu Maqu (Yadong River) (27°19'47"N, 89°00'06"E, 2250 m), DALU. Paratype: 1♀, same data as the Holotype: (DALU).

Neopanorpa wuchaoi Wang, 2021

Wang. 2021. Acta Entomologica Musei Nationalis Pragae, 61: 203–212

Type specimens. Holotype: ♂, China, Tibet, Shannan Prefecture, Cona County (27°48'41"N, 91°45'06"E, 2438 m), DALU. Paratypes: 1♂ 2♀♀, same data as the holotype, DALU.

Neopanorpa zhengyucheni Wang, 2021

Wang. 2021. Acta Entomologica Musei Nationalis Pragae, 61: 203–212

Type specimens. Holotype: ♂, China, Tibet, Shigatze Prefecture, Yadong County, Kambu Maqu (Yadong River) (27°19'47"N, 89°00'06"E, 2250 m), DALU. Paratype: 1♀, same data as the holotype, DALU.

Panorpa caowei Wang, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Guangxi, Kitten Mountain, Huilong Temple, (25°54'44"N, 110°27'57"E, 1580 m), DALU. Paratype: 1♀, China, Guangxi, same data to holotype, DALU.

Panorpa dali Wang, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Yunnan, Dali, Mt. Cangshan (25°43'30"N, 100°06'25"E, 2550 m), DALU. Paratypes: 2♂♂3♀♀, China, Yunnan, same data to holotype, DALU.

Panorpa duanyu Wang & Gong, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Yunnan, Yunlong (25°51'5"N, 99°14'11"E, 2740 m), DALU. Paratypes: 2♂♂7♀♀, China, Yunnan, same data to holotype, DALU.

Panorpa gaokai Li, Wang & Hua, 2021

Li et al. 2021. Arthropod Systematics & Phylogeny, 79: 309–342

Type specimens. Holotype: ♂, China, Hubei, Shennongjia National Nature Reserve (1800 m), NWAU. Paratypes: 7♂♂10♀♀, China, Hubei, same data as holotype, NWAU.

Panorpa hani Wang, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Yunnan, Zhenyuan (24°02'33"N, 101°09'06"E, 1930 m), DALU. Paratypes: 1♂2♀♀, China, Yunnan, same data to holotype, DALU.

Panorpa hirundo Wang, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Sichuan, Mt. Emei (29°31'33"N, 103°20'03"E, 3000 m), DALU. Paratypes: 6♂♂3♀♀, China, Sichuan, same data to holotype, DALU.

Panorpa huangguiqiangi Wang, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Guizhou, Yushe National Forest Park (26°27'32"N, 104°48'08"E, 2260 m), DALU; Paratypes: 2♀♀, China, Guizhou, same data to holotype, DALU.

Panorpa huayuani Li, Wang & Hua, 2021

Li et al. 2021. Arthropod Systematics & Phylogeny, 79: 309–342

Type specimens. Holotype: ♂, China, Shaanxi, Hualongshan (2200 m), NWAU. Paratypes: 5♂♂5♀♀, China, Shaanxi, same data as holotype, NWAU; 2♂♂3♀♀, China, Chongqing, Huang'anba Alpine Shrub Meadow (2400 m), NWAU; 1♀, China, Hubei, Shennongjia, Jiuhuping, NWAU.

Panorpa jiangrixini Wang, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Chongqing, Mt. Jinfo, Wind Blowing Ridge (29°01'60''N, 107°11'30''E, 2220 m), DALU. Paratypes: 1♂2♀♀, China, Guizhou, Mt. Fanjing (27°54'10'' N, 108°41'16'' E, 2050 m), DALU.

Panorpa jinfoshana Wang, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Chongqing, Mt. Jinfo, Wind Blowing Ridge (29°01'60''N, 107°11'30''E, 2220 m), DALU. Paratypes: 5♂♂12♀♀, China, Chongqing, same data to holotype, DALU.

Panorpa latiloba Wang, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Guizhou, Yushe National Forest Park (26°27'32''N, 104°48'08''E, 2260 m), DALU. Paratypes: 6♂♂12♀♀, China, Guizhou, same data to holotype, DALU.

Panorpa nanzhao Wang, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Yunnan, Mt. Cangshan (25°43'30''N, 100°06'25''E, 2550 m), DALU. Paratypes: 9♂♂3♀♀, China, Yunnan, same data to holotype, DALU.

Panorpa stella Wang, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Yunnan, Mt. Daxue (24°12'10''N, 99°37'18''E, 2200 m), DALU. Paratypes: 7♀♀, China, Yunan, same data to holotype, DALU; 1♂, China, Yunnan, Mt. Tangli, (24°02'56''N, 99°13'56''E, 2560 m), DALU; 1♂1♀, China, Yunnan, Gaoligong Mountains (25°18'00''N, 98°47'14''E, 2000 m), same data to holotype, DALU.

Panorpa substricta Wang, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Guizhou, Mt. Leigong (26°22'46''N, 108°11'38''E, 1700 m), DALU. Paratypes: 3♂♂1♀, China, Guizhou, same data to holotype, DALU.

Panorpa uncinata Li, Wang & Hua, 2021

Li et al. 2021. Arthropod Systematics & Phylogeny, 79: 309–342

Type specimens. Holotype: ♂, China, Shanxi, Shunwangping (2000 m), NWAU. Paratypes: 1♀, China, Shanxi, same data as for holotype, NWAU; 1♂2♀♀, China, Shanxi, Anziping Forest Farm (1800 m), NWAU; 2♂♂2♀♀,

China, Shanxi, Qiliyu, NWAU; 1♀, China, Shaanxi, Zhenping, NWAU; 2♂♂, China, Henan, Wangwushan (1700 m), NWAU; 1♂, China, Hubei, Yemahe (1600 m), NWAU; 1♂, China, Hubei, Tiechanghuang, NWAU.

Panorpa xiaofeng Wang & Gong, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Yunnan, Yunlong (25°51'1''N, 99°14'8''E, 2740 m), DALU. Paratypes: 2♂♂12♀♀, China, Yunnan, same data to holotype, DALU.

Panorpa xuzhu Wang & Gong, 2021

Wang et al. 2021. Zootaxa, 4981: 241–274

Type specimens. Holotype: ♂, China, Yunnan, Yunlong (25°51'7''N, 99°14'9''E, 2813 m), DALU. Paratypes: 1♂7♀♀, China, Yunnan, same data to holotype, DALU.

Panorpa yaoluopingensis Li, Wang & Hua, 2021

Li et al. 2021. Arthropod Systematics & Phylogeny, 79: 309–342

Type specimens. Holotype: ♂, China, Anhui, Yaoluoping National Nature Reserve, NWAU. Paratypes: 3♂♂5♀♀, China, Anhui, same data as holotype, NWAU.

Sinopanorpa baokangensis Wang, 2021

Wang. 2021. Faunitaxys, 9: 1–6.

Type specimens. Holotype: ♂, China, Hubei, Baokang County, Maping Village (31°37'53.43"N, 111°21'16.56"E, 1200 m), DALU. Paratypes: 5♂♂18♀♀, China, Hubei, same data, DALU.

广翅目 Megaloptera

Corydalidae

Protohermes trapezius Li & Liu, 2021

Li & Liu. 2021. Entomotaxonomia, 43: 256–263

Type specimens. Holotype: ♂, China, Yunnan, Tengchong, Xiaodifang, 2000 m, CAU. Paratypes. 4♂♂1♀, same data as holotype, CAU.

Protohermes wuyishanicus Li & Liu, 2021

Li & Liu. 2021. Entomotaxonomia, 43: 256–263

Type specimens. Holotype: ♂, China, Fujian, Wuyishan, Masu, 1250 m, CAU.

Neochauliodes triangulates Tu & Liu, 2021

Tu et al. 2021. Zootaxa, 5016: 196–204

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang, Xima, CAU. Paratype: 1♂, China, Yunnan, same data as holotype, CAU.

脉翅目 Neuroptera

Chrysopidae

Anachrysa lifashengi Ma & Liu, 2021

Ma et al. 2021. Zootaxa, 4941: 281–290

Type specimens. Holotype: ♂, China, Tibet, Zhamu (95°78'E, 29°86'N, 2700m), CAU.

Anachrysa luna Ma & Liu, 2021

Ma et al. 2021. Zootaxa, 4941: 281–290

Type specimens. Holotype: ♂, China, Tibet, Bome (95°77'E, 29°87'N, 2638 m), CAU.

Ankylopteryx (Ankylopteryx) diffluens Ma & Liu, 2021

Ma et al. 2021. Zootaxa, 4941: 425–433

Type specimens. Holotype: ♂, China, Yunnan, Menglun (101°25'E 21°41'N, 780m), CAU. Paratype: 1♀, China, Yunnan, same data as holotype, CAU.

Ankylopteryx (Ankylopteryx) rubrocincta Ma & Liu, 2021

Ma et al. 2021. Zootaxa, 4941: 425–433

Type specimens. Holotype: ♂, China, Yunnan, Longmen (101°57'E, 21°46'N, 993 m), CAU. Paratypes: 3♂♂1♀, China, Yunnan, same data as holotype, CAU; 1♀, China, Yunnan, Menglun (101°25'E, 21°41'N), CAU; 2♂♂, China, Yunnan, Menglun (101°25'E, 21°41'N, 630 m), CAU; 7♂♂12♀♀, China, Yunnan, Menglun (101°25'E, 21°41'N, 780 m), CAU.

Coniopterygidae

Coniopteryx (Coniopteryx) serrata Zhao, Badano & Liu, 2021

Zhao et al. 2021. ZooKeys, 1015: 129–144

Type specimens. Holotype: ♂, China, Yunnan, Meizihu Park (22.7551°N, 100.9845°E), CAU. Paratype: 1♂, China, Yunnan, same data as holotype, CAU.

Coniopteryx (Coniopteryx) tenuisetosa Zhao, Badano & Liu, 2021

Zhao et al. 2021. ZooKeys, 1015: 129–144

Type specimens. Holotype: ♂, China, Tibet, Linzhi (29.6019°N, 94.4168°E), CAU. Paratypes: 39♂♂54♀♀, China, Tibet, same data as holotype, CAU.

Semidalis procurva Zhao, Y. Li, M. Li & Liu, 2021

Zhao et al. 2021. ZooKeys, 1055: 43–54

Type specimens. Holotype: ♂, China, Yunnan, Ruili County, Nanjingli (24.0917°N, 97.8460°E), CAU. Paratypes: 37♂♂, China, Yunnan, same data as holotype, CAU.

Semidalis tibetana Zhao, Y. Li, M. Li & Liu, 2021

Zhao et al. 2021. ZooKeys, 1055: 43–54

Type specimens. Holotype: ♂, China, Tibet, Milin County (29.0428°N, 93.8898°E), CAU. Paratypes: 37♂♂, China, Tibet, Same data as holotype, CAU.

Dilaridae

Berothella falcata Zheng & Liu, 2021

Zheng & Liu. 2021. Insect Systematics & Evolution, 52: 575–591

Type specimens. Holotype: ♂, China, Zhejiang, Lishui City [丽水市], Longquan County [龙泉县], Mt. Longquanshan [龙泉山] (1280 m), CAU. Paratypes: 1♂1♀, same data as holotype, CAU.

Berothella wenii Zheng & Liu, 2021

Zheng & Liu. 2021. *Insect Systematics & Evolution*, 52: 575–591

Type specimens. Holotype: ♀: China, Taiwan, Taitung County [台东县], Haiduan Township [海端乡], Siangyang National Forest Recreation Area [向阳国家森林公园游乐区] (2300 m), CAU.

Dilar cangyuanensis Li, Aspöck, Aspöck & Liu, 2021

Li et al. 2021. *Insects*, 12: 451.

Type specimens. Holotype: ♂, China, Yunnan, Nangunhe National Nature Reserve (23°08'51"N, 99°14'42"E, 1800 m), CAU. Paratypes: 4♂♂4♀♀, China, Yunnan, same data as holotype, CAU.

Dilar dawuishanensis Li, Aspöck, Aspöck & Liu, 2021

Li et al. 2021. *Insects*, 12: 451.

Type specimens. Holotype: ♂, China, Yunnan, Dawuishan Forest Park (22°54'24"N, 103°25'48"E, 1962 m), CAU. Paratypes: 1♀, China, Yunnan, same data as holotype, CAU.

Dilar nujianganus Li, Aspöck, Aspöck & Liu, 2021

Li et al. 2021. *Insects*, 12: 451.

Type specimens. Holotype: ♂, China, Yunnan, Mt. Gaoligongshan, Nujiang Prefecture, Nujiang State Nature Reserve, No. 12 Bridge Camp area, 16.3 air km W of Gongshan (27.71503°N 98.50244°E [27°42'54"N 98°30'08"E], 2775 m), CASC.

Dilar weibaoshanensis Li, Aspöck, Aspöck & Liu, 2021

Li et al. 2021. *Insects*, 12: 451.

Type specimens. Holotype: ♂, China, Yunnan, Mt. Weibaoshan (25°04'N, 100°20'E, 2600–2900 m), CHRR. Paratypes: 2♀♀, China, Yunnan, same data as holotype, CHRR, NMW.

Dilar yucheni Li, Aspöck, Aspöck & Liu, 2021

Li et al. 2021. *Insects*, 12: 451.

Type specimens. Holotype: ♂, China, Tibet, Xia Zayü (1580 m), CAU.

Dilar zhangweiae Li, Aspöck, Aspöck & Liu, 2021

Li et al. 2021. *Insects*, 12: 451.

Type specimens. Holotype: ♂, China, Tibet, Zayü County (28°66'N, 97°47'E, 2362m), CAU. Paratypes: 2♂♂, China, Tibet, same data as holotype, CAU; 1♂, China, Tibet, Zayü County, Laochangbu, CAU; 1♂, China, Tibet, Zayü County, Gadui Village, CAU.

Neonallachius sinuolatus Li, Di & Liu, 2021

Li et al. 2021. *Annales Zoologici*, 71: 235–241

Type specimens. Holotype: ♂, China, Yunnan, Menglun Town, Experiment area (21.97°N, 101.21°E, 780 m), CAU. Paratype: 1♂, China, Yunnan, CAU.

Sisyridae

Sisyrina fashengi Yang & Liu, 2021

Yang et al. 2021. Zootaxa, 5052: 552–566

Type specimens. Holotype: ♂, China, Guangxi, Nonggang Wild Station of Nonggang National Nature Reserve (22°28'N, 106°57'E, 180 m), CAU. Paratypes: 2♂♂2♀♀, China, Guangxi, Nonggang National Nature Reserve (22°28'N, 106°57'E, 180 m), CAU; 1♂, China, Guangxi, Longrui Wild Station of Nonggang National Nature Reserve (22°15'N, 107°2'E, 110 m), CAU; 2♀♀, China, Guangxi, Longrui Wild Station of Nonggang National Nature Reserve (22°13'N, 107°2'E, 120 m), CAU; 1♂, China, Guangxi, Detian Waterfall (22°85'N, 106°72'E), CAU; 13♂10♀♀, China, Guangxi, Ningming (22°43'N, 106°64'E), CAU; 3♂♂7♀♀, China, Guangxi, Longrui Nature Reserve (22°14'N, 107°6'E), CAU; 1♂, Laos, Xaignabouri, (18°29'N, 101°28'E, 250 m), CAU.

蜻蜓目 Odonata

Coenagrionidae

Ischnura praematura Sanmartín-Villar & Zhang, 2021

Sanmartín-Villar et al. 2021. Zootaxa, 5087: 59–74

Type specimens. Holotype: ♂, China, Yunnan, Lijiang (26°31'03.54"N, 100°13'38.89"E, 2396 m), KIZCAS. Paratypes. 4♂♂4♀♀, Same collection data as the holotype, KIZCAS; 1♂, China, Yunnan, Xiaohexiang village, Kunming city; 1♀ China, Yunnan, Sanjiacun, Dali city, KIZCAS.

直翅目 Orthoptera

Acrididae

Assamacris splendida Mao, Niu & Huang, 2021

Mao et al. 2021. Zootaxa, 4985: 542–556

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang, Xima (24°47' N, 97°42' E, 1679 m), BMDU. Paratypes: 1♂, China, Yunnan, Mangshi (24°30' N, 98°36' E, 1063 m), BMDU; 1♀, same data as holotype, BMDU; 2♂♂2♀♀, China, Yunnan, Yingjiang, Xima, Menglai River (1400 m), SWFU.

Mongolotettix baohuashanensis Zhang, Wang, Dai & Yin, 2021

Zhang et al. 2021. Zootaxa, 5068: 448–450

Type specimens. Holotype: ♂, China, Jiangsu, Baohuashan (32°10'N, 119°16'E), SHEM. Paratypes: 1♂2♀♀, China, Jiangsu, Baohuashan (32°10' N, 119°16' E), SHEM.

Catantopidae

Conophyma lini Liu, Sun, Zhang & Yin, 2021

Liu et al. 2021. Zootaxa, 5061: 584–590

Type specimens. Holotype: ♂, China, Xinjiang, Tekeshi (43°16'N, 81°48'E), NPIBCAS. Paratypes: 1♂2♀♀, China, Xinjiang, Tekeshi (43°16' N, 81°48' E), NPIBCAS.

Conophymacris reni Ye, Shen, Jia & Yin, 2021

Ye et al. 2021. Zootaxa, 5047: 583–588

Type specimens. Holotype: ♂, China, Yunnan, Yulongxuanshan (27°10' N, 100°9' E), HBU. Paratypes: 1♀, China, Yunnan, Yulongxuanshan (27°10' N, 100°9' E), HBU.

Eumastacidae

Myrmeleomastax wideis Qiu, 2021

Qiu et al. 2021. Zootaxa, 4903: 296–300

Type specimens. Holotype: 1 ♂, China, Qinghai, Yushu (33°31'07"N, 96°29'94"E, 4390m), SNNU. Paratypes: 1♂2♀♀, China, Qinghai, Yushu (33°31'07"N, 96°29'94"E, 4390m), SNNU.

Pentaspinula unispinula Ge, 2021

Ge et al. 2021. Zootaxa, 5068: 419–427

Type specimens. Holotype: 1 ♂, China, Tibet, Jiangda (31°34'49"N, 98°05'52"E, 4345m), SNNU.

Phytomastax pentaspinula Ge, 2021

Ge et al. 2021. Zootaxa, 5068: 419–427

Type specimens. Holotype: 1 ♂, China, Tibet, Jiangda (31°63'94"N, 98°43'67"E, 3903m), SNNU.

Ptygomastax nihilsulcus Ge, 2021

Ge et al. 2021. Zootaxa, 5068: 419–427

Type specimens. Holotype: 1 ♂, China, Sichuan, Luhuo (31°73'89"N, 100°75'33"E, 4229 m), SNNU. Paratypes: 1♂2♀♀, China, Sichuan, Luhuo (31°73'89"N, 100°75'33"E, 4229 m), SNNU.

Gryllacrididae

Apterolarnaca huanglianensis Bian & Lu, 2021

Bian et al. 2021. Zootaxa, 4975: 198–200

Type specimens. Holotype: ♂, China, Yunnan, Lvchun, Huanglianshan, GXNU.

Capnogryllacris xichou Peng & Bian, 2021

Peng et al. 2021. Zootaxa, 5047: 391–400

Type specimens. Holotype: ♂, China, Yunnan, Xichou, Xiaoqiaogou, GXNU.

Eugryllacris tiga Yin & Shen, 2021

Yin et al. 2021. Zootaxa, 5026: 541–554

Type specimens. Holotype: ♀, China, Yunnan, Dahei Mountain (21°53'10"N, 100°41'15"E, 1580m), ECNU. Paratypes: 2♂♂2♀♀, China, Yunnan, same data as in holotype, ECNU; 2♂♂, China, Yunnan, Folian Mountain (22°46'40"N, 101°0'10"E, 1410m), ECNU.

Eugryllacris binotata Liu & Bian, 2021

Liu et al. 2021. Zootaxa, 5026: 586–594

Type specimens. Holotype: ♂, China, Yunnan, Cangyuan, Mangku (23.2 N, 99.0 E, 1563.07m), GXNU. Paratypes: 2♂♂1♀, China, Yunnan, Cangyuan, Xinya reservoir, GXNU; 2♂♂, China, Yunnan, Cangyuan, Mengjiao (23.3 N, 99.2 E, 1746.64 m), GXNU.

Eugryllacris hainanensis Bin & Bian, 2021

Bin et al. 2021. Zootaxa, 5048: 279–288

Type specimens. Holotype: ♂, China, Hainan, Jianfengling, GXNU. Paratypes: 1♂2♀♀, China, Hainan, other information as holotype, GXNU.

Eugryllacris nigriabdominis Bin & Bian, 2021

Bin et al. 2021. Zootaxa, 5048: 279–288

Type specimens. Holotype: ♂, China, Yunnan, Gulinjing, Maguan, GXNU.

Glolarnaca kunyui Yang, Lu & Bian, 2021

Yang et al. 2021. Zootaxa, 5048: 127–134

Type specimens. Holotype: ♂, China, Yunnan, Baishahe (22°41'31.1"N, 103°57'38.6"E, 275m), DALU.

Glolarnaca nigrimacula Yang, Lu & Bian, 2021

Yang et al. 2021. Zootaxa, 5048: 127–134

Type specimens. Holotype: ♂, China, Yunnan, Gulinjing, GXNU.

Homogryllacris hamitis Liu & Bian, 2021

Liu et al. 2021. Zootaxa, 5067: 285–295

Type specimens. Holotype: ♂, China, Guangxi, Shanglin, Damingshan, GXNU.

Homogryllacris parcibrevipenna Liu, Lu & Bian, 2021

Liu et al. 2021. Zootaxa, 4985: 451–458

Type specimens. Holotype: ♂, China, Yunnan, Mensong, Banggang, GXNU. Paratypes: 10♂♂6♀♀, China, Yunnan, Mensong, Banggang, GXNU.

Homogryllacris platycis Liu & Bian, 2021

Liu et al. 2021. Zootaxa, 5067: 285–295

Type specimens. Holotype: ♂, China, Yunnan, Maguan, Gulinjing, GXNU. Paratypes: 2♀♀, China, Yunnan, other information as holotype, GXNU.

Larnaca (Larnaca) walle Yin & Meng, 2021

Yin et al. 2021. Zootaxa, 5027: 587–596

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang County, Xima Town (24°46'40"N, 97°40'40"E, 1470m), ECNU.

Metriogryllacris (Metriogryllacris) nigrilimbis Liu & Bian, 2021

Liu et al. 2021. Zootaxa, 5068: 142–148

Type specimens. Holotype: ♀, China, Yunnan, Malipo, Mengdong, GXNU.

Microlarnaca zhengi Lu & Bian, 2021

Lu et al. 2021. Zootaxa, 5061: 353–360

Type specimens. Holotype: ♂, China, Yunnan, Huazhuping, GXNU. Paratype: 1♀, China, Yunnan, other information as holotype, GXNU.

Ocellarnaca brachyptera Shi & Zhu, 2021

Shi et al. 2021. Zootaxa, 5068: 428–434

Type specimens. Holotype: ♂, China, Hunan, Tiantaishan, HBU.

Ocellarnaca nigra Shi & Zhu, 2021

Shi et al. 2021. Zootaxa, 5068: 428–434

Type specimens. Holotype: ♂, China, Guangxi, Nonggang, HBU. Paratypes: 1♂, China, Guangxi, Nonggang, HBU; 1♂, China, Guangxi, Chongzuo, HBU; 1♂1♀, China, Guangxi, Zhubu, HBU.

Ocellarnaca nigrofemora Shi & Zhu, 2021

Shi et al. 2021. Zootaxa, 5068: 428–434

Type specimens. Holotype: ♂, China, Yunnan, Bingxhongluo, HBU.

Phryganogryllacris laoshanica Yin, Wang & Shen, 2021

Yin et al. 2021. Zootaxa, 4915: 282–288

Type specimens. Holotype: ♂, China, Shandong, Mount Lao (36°16'55"N, 120°33'30"E, 330m), SHEM. Paratypes: 1♂, China, Shandong, same data as in holotype, SHEM.

Gryllidae

Duolandrevus (Eulandrevus) longlouensis Zheng & Ma, 2021

Zheng et al. 2021. Zootaxa, 4942: 252–268

Type specimens. Holotype: ♂, China, Hainan, Tongguling, SNNU. Paratypes: 2♂♂2♀♀, China, Hainan, Tongguling, SNNU.

Gryllodinus jijilacus Ma, Zheng & Qiao, 2021

Ma et al. 2021. Zootaxa, 4990: 227–252

Type specimens. Holotype: ♂, China, Xinjiang, Jijihu, SNNU. Paratype, ♂, data similar with holotype, SNNU.

Itara (Itara) acris He & Ma, 2021

He et al. 2021. Zootaxa, 4942: 382–408

Type specimens. Holotype: ♂, China, Yunnan, Jinghong, SNNU. Paratypes: 7♂♂9♀♀, China, Tibet, Motuo County, Beibeng Village, SNNU; 2♀♀, China, Yunnan, Jinghong, SNNU.

Loxoblemmus (Asonicogryllus) bronzus He, 2021

Xu et al. 2021. Zootaxa, 5040: 238–246

Type specimens. Holotype: ♂, China, Yunnan, Dehong, Ruili (24.02, 97.86), ECNU. Paratypes: 2♂♂3♀♀, same data as holotype, ECNU; 1♀, China, Yunnan, Dehong, Longchuan (24.18, 97.79, 1600 m), ECNU.

Majialandrevus He, 2021

Majialandrevus dingguo He, 2021

Liu et al. 2021. Zootaxa, 4985: 137–141

Type specimens. Holotype: ♂, China, Yunnan, Kongquegu Forest Park (24.54, 98.64), ECNU. Paratypes: 1♂, China, Yunnan, same data as holotype, ECNU; 1♀, China, Yunnan, Ruili, Moli Rainforest Park (24.06, 97.82 E), ECNU; 1♀, China, Yunnan, Yingjiang, Nabang (24.74, 97.56, 570-950m), ECNU.

Mitius eryuanensis Yuan, Xie & Liu, 2021

Yuan et al. 2021. Zootaxa, 4995: 492–504

Type specimens. Holotype: ♂, China, Yunnan, Eryuan, Xishan, HBU. Paratypes: 2♂♂3♀♀, China, Yunnan, same data as the holotype, HBU.

Parapentacentrus brevipennis He, 2021

Liu et al. 2021. Zootaxa, 5032: 143–146

Type specimens. Holotype: ♂, China, Yunnan, Jinping, Fenshuiling (22.86N, 103.23E, 2300m), ECNU. Paratypes: 4♂♂4♀♀, China, Yunnan, same data as holotype, ECNU.

Pluviam He, Ma & Zhang, 2021

Pluviam guangxiensis He, Ma & Zhang, 2021

He et al. 2021. Zootaxa, 4920: 445–450

Type specimens. Holotype: ♂, China, Guangxi, Daming Mountain, 1220 m, SNNU.

Progoniogrillus Ma, Jing & Zheng, 2021

Progoniogrillus directus Ma, Jing & Zheng, 2021

Ma et al. 2021. Zootaxa, 4995: 523–536

Type specimens. Holotype: ♂, China, Tibet, Chayu, Zhala village, SNNU. Paratypes: China: 2♂♂, China, Tibet, Chayu, Zhala village, SNNU; 1♂, China, Tibet, Chayu, Xiachayu, SNNU; 2♂♂, China, Tibet, Chayu, SNNU; 2♀♀, China, Tibet, Chayu, Zhala village, SNNU; 3♀♀, China, Tibet, Chayu, Xiachayu, SNNU.

Progoniogrillus rotundus Ma, Jing & Zheng, 2021

Ma et al. 2021. Zootaxa, 4995: 523–536

Type specimens. Holotype: ♂, China, Tibet, Motuo, Beibeng, SNNU. Paratypes: 2♂♂1♀, China, Tibet, Motuo, Beibeng, SNNU; 1♂, China, Tibet, Chayu, Cibagou, SNNU; 1♂1♀, China, Yunnan, Lushui, Pianma, SNNU.

Mogoplistidae

Ornebius aurumalas, He, Zhang & Ma, 2021

He et al. 2021. Zootaxa, 4942: 072–094

Type specimens. Holotype: ♂, China, Guangdong, Nanling National Nature Reserve, SNNU. Paratypes: 5♂♂2♀♀, China, Guangdong, Nanling National Nature Reserve, SNNU.

Ornebius carnificare He, Zhang & Ma, 2021

He et al. 2021. Zootaxa, 4942: 072–094

Type specimens. Holotype: ♂, China, Hainan, Baisha, Yinggeling National Natural Reserve, SNNU. Paratypes: 7♂♂1♀, China, Hainan, Baisha, Yinggeling National Natural Reserve, SNNU.

Ornebius lunam He, Zhang & Ma, 2021

He et al. 2021. Zootaxa, 4942: 072–094

Type specimens. Holotype: ♂, China, Guangxi, Chongzuo, SNNU. Paratypes: 8♂♂5♀♀, China, Guangxi, Chongzuo, SNNU.

Pamphagidae

Haplotropis yiyuanensis Cao, Liu & Yin, 2021

Cao et al. 2021. Zootaxa, 5026: 447–450

Type specimens. Holotype: ♂, China, Shandong, Yiyuan (36°11'N, 118°09'E, 400m), SAU. Paratypes 2♂♂2♀♀, China, Shandong, Yiyuan (36°11'N, 118°09'E, 400m), SAU.

Rhaphidophoridae

Arboramima Zong, Qin & He, 2021

Arboramima cattusis Zong, Qin & He, 2021

Zong et al. 2021. Zootaxa, 4981: 593–600

Type specimens. Holotype: ♂, China, Guangxi, Guilin, Maoershan (25.88 N, 110.49 E, 1144m), ECNU. Paratypes: 4♂♂5♀♀, China, Guangxi, same data as holotype, ECNU.

Rhaphidophora quadrispina Liu & Bian, 2021

Liu et al. 2021. Zootaxa, 5027: 597–599

Type specimens. Holotype: ♂, China, Yunnan, Cangyuan, Banhong, Mangku (99.05 E, 23.19 N, 1485.68 m), GXNU.

Tachycines (Gymnaeta) ater Li, Feng & Luo, 2021

Li et al. 2021. Zootaxa, 4991: 150–160

Type specimens. Holotype: ♂, China, Guizhou, Zunyi City, Fenggang County, Shui Cave, GUGC. Paratypes: 30♂♂26♀♀, same data as the holotype, GUGC.

Tachycines (Gymnaeta) dentatus Li, Feng & Luo, 2021

Li et al. 2021. Zootaxa, 4991: 150–160

Type specimens. Holotype: ♂, China, Guizhou, Zunyi City, Meitan County, Shirong Cave, GUGC. Paratypes: 6♂♂7♀♀, same data as the holotype, GUGC.

Tachycines (Gymnaeta) papiliosus Zhu & Shi, 2021

Zhu et al. 2021. European Journal of Taxonomy, 764: 1–17

Type specimens. Holotype: ♂, China, Hunan, Wanhuyan, HBU.

Tachycines (Gymnaeta) pentagona Li, Feng & Luo, 2021

Li et al. 2021. Zootaxa, 4991: 150–160

Type specimens. Holotype: ♂, China, Guizhou, Zunyi City, Fenggang County, Qinglong Cave, GUGC. Paratypes: 7♀♀, same data as the holotype, GUGC.

Tachycines (Gymnaeta) plumiopedella Li, Feng & Luo, 2021

Li et al. 2021. Zootaxa, 4991: 150–160

Type specimens. Holotype: ♂, China, Guizhou, Zunyi City, Fenggang County, Yinxing Cave, GUGC. Paratypes: 2♂♂1♀, same data as the holotype, GUGC.

Tachycines (Gymnaeta) quadratus Zhu & Shi, 2021

Zhu et al. 2021. European Journal of Taxonomy, 764: 1–17

Type specimens. Holotype: ♂, China, Hunan, Lanshan County, Dibao Cave, HBU. Paratypes: 1♂1♀, China, Hunan, same collection data as for holotype, HBU.

Tachycines (Gymnaeta) shiziensis Zhu & Shi, 2021

Zhu et al. 2021. European Journal of Taxonomy, 764: 1–17

Type specimens. Holotype: ♂, China, Jiangxi, Baoshan Village, Shiziyan, HBU.

Tachycines (Gymnaeta) sparsispinus Zhu & Shi, 2021

Zhu et al. 2021. European Journal of Taxonomy, 764: 1–17

Type specimens. Holotype: ♂, China, Guangxi, Langping Village, Shizikou Cave, HBU. Paratypes: 2♂♂1♀, China, Guangxi, same collection data as for holotype, HBU.

Tachycines (Tachycines) danpingensis Zhou, Ou, Shi, Long, Zhang & Zheng, 2021

Zhou et al. 2021. Zootaxa, 5039: 447–450

Type specimens. Holotype: ♂, China, Guizhou, Danping Village (998m), GZNU. Paratypes: 12♂♂13♀♀, China, Guizhou, Danping Village (998m), GZNU.

Scelimenidae

Criotettix jinningensis Zhang, Liu & Yin, 2021

Zhang et al. 2021. Zootaxa, 4975: 187–192

Type specimens. Holotype: ♀, China, Zhejiang, Jinning, HBU. Paratype: 1♂, China, Zhejiang, Jinning, HBU.

Criotettix pananensis Zhang, Liu & Yin, 2021

Zhang et al. 2021. Zootaxa, 4975: 187–192

Type specimens. Holotype: ♀, China, Zhejiang, Panan, HBU. Paratype: 1♂, China, Zhejiang, Panan, HBU.

Schizodactylidae

Schizodactylus jimo He, 2021

He et al. 2021. Zootaxa, 4999: 356–362

Type specimens. Holotype: ♂, China, Yunnan, Baoshan, ECNU. Paratypes: 1♀, China, Yunnan, same data as holotype, ECNU.

Tetrigidae

Aalatettix santanensis Wang, Lu & Luo, 2021

Wang et al. 2021. Zootaxa, 4974: 188–190

Type specimens. Holotype: ♂, China, Hubei, Santan scenic spot (31°51', 113°56', 225m), XNU. Paratypes: 14♂♂28♀♀, China, Hubei, Santan scenic spot (31°51', 113°56', 194–757m), XNU.

Concavetettix Deng, 2021

Concavetettix yunnanensis Deng, 2021

Lu et al. 2021. Zootaxa, 4964: 345–362

Type specimens. Holotype: ♀, China, Yunnan, Pingbian, Daweishan (22°56'24.82" N, 103°41'52.81" E, 1320m), EMHU. Paratypes: 2♀♀, China, Yunnan, same data to holotype, EMHU.

Criotettix tridentatus Deng, 2021

Deng 2021. Oriental Insects, 55: 447–474

Type specimens. Holotype: ♀, China, Guangxi, Wuming, Damingshan (23° 29'29" N, 108°26'10" E, 740 m), EMHU. Paratypes: 2♂♂2♀♀, same data, EMHU.

Eucriotettix curvinotus Deng, 2021

Deng 2021. *Oriental Insects*, 55: 447–474

Type specimens. Holotype: ♀, China, Guangxi, Beiliu, Darongshan (22° 51'23" N, 110°15'32" E, 1100 m), EMHU. Paratypes: 11♂♂15♀♀, same data, EMHU.

Deltonotusoides Deng, 2021

Deltonotusoides strictivertex Deng, 2021

Deng 2021. *Zootaxa*, 4995: 573–580

Type specimens. Holotype: ♀, China, Tibet, Motuo, Dexing (29°19'10.74" N, 95°18'12.76" E, 780m), GXNU. Paratypes: 6♂♂2♀♀, China, TibetChina, Tibet, same data to holotype, GXNU; 2♂♂2♀♀, China, Tibet, Motuo, Beibeng (29°14'38.59" N, 95°10'42.36" E, 890m), GXNU.

Macromotettix brachyptera Lu & Deng, 2021

Lu et al. 2021. *Zootaxa*, 4964: 345–362

Type specimens. Holotype: ♀, China, Guizhou, Dushan, Zilinshan (25°49'50.97" N, 107°29'34.81" E, 1100m), EMHU. Paratypes: 2♀♀, China, Guizhou, same data to holotype, EMHU; 1♀, China, Chongqing, Jiangjin, EMHU.

Macromotettix microptera Deng, 2021

Lu et al. 2021. *Zootaxa*, 4964: 345–362

Type specimens. Holotype: ♀, China, Sichuan, Chonzhou, Jiguanshan (30°46'23.16" N, 103°19'36.35" E, 1200m), EMHU. Paratypes: 2♂♂2♀♀, China, Sichuan, same data to holotype, EMHU.

Macromotettix zhengi Deng, 2021

Lu et al. 2021. *Zootaxa*, 4964: 345–362

Type specimens. Holotype: ♀, China, Guangxi, Fangcheng, Dongzhong (21°38'46.98" N, 107°31'10.14" E, 600m), EMHU. Paratypes: 2♂♂2♀♀, China, Guangxi, same data to holotype, EMHU.

Pseudepitettix convexa Deng, 2021

Huang et al. 2021. *Zootaxa*, 4990: 182–191

Type specimens. Holotype: ♀, China, Yunnan, Pingbian, Daweishan (22°56'33" N, 103°41'25" E, 1700m), GXNU. Paratypes: 1♂2♀♀, China, Yunnan, same data, GXNU; 2♂♂, China, Yunnan, Yuangyang, Niujiaozai (23°10'7" N, 102°38'9" E, 1850m), GXNU.

Tetradinodula gaoligongensis Li & Mao, 2021

Li et al. 2021. *Oriental Insects*, 55: 484–495

Type specimens. Holotype: 1♀, China, Yunnan, Gaoligongshan (24°56'N, 98°08'E, 1330 m), BMDU. Paratypes. 1♀, same data, BMDU.

Tetradinodula reticulata Li & Mao, 2021

Li et al. 2021. *Oriental Insects*, 55: 484–495

Type specimens. Holotype: 1♀, China, Yunnan, Zhanyi (the source of Zhujiang River) (25°54'N, 103°56'E, 2100 m), BMDU.

Tetrix cangshanensis Deng, Wang & Mao, 2021

Deng et al. 2021. *Entomotaxonomia*, 43: 163–167

Type specimens. Holotype: ♀, China, Yunnan, Dali, Cangshan Mountain (25°45'N, 100°06'E, 2096 m), BMDU. Paratypes: 12♀6♂♂, the same data as holotype; 16♀♀5♂♂, China, Yunnan, Dali, Yangbi (25°41'N, 99°59'E, 2028 m), DALU; 5♀♀10♂♂, China, Yunnan, Dali, Xiaguan (25°36'N, 100°14'E, 2000–2800 m), DALU.

Tuberfemurus viridulus Wang, Deng, Guan, Mao & Li, 2021

Wang et al. 2021. *Zootaxa*, 5071: 437–446

Type specimens. Holotype: ♀, China, Yunnan, Pingbian (22°55' N, 103°41' E, 2090 m), BMDU. Paratypes: 1♂, same as holotype, BMDU.

Tettigoniidae

Acosmetides Chang, Wang & Shi, 2021

Acosmetides dilobosa Chang, Wang & Shi, 2021

Chang et al. 2021. *European Journal of Taxonomy*, 751: 140–158

Type specimens. Holotype: ♂, China, Guangxi, Rongshui, Yangmeiao, HBU.

Acosmetides peltates Chang, Wang & Shi, 2021

Chang et al. 2021. *European Journal of Taxonomy*, 751: 140–158

Type specimens. Holotype: ♂, China, Yunnan, Weixin, Daxueshan, HBU. Paratypes: 1♂1♀, same collection data as for holotype, HBU; 8♂♂2♀♀, same collection data as for holotype, HBU; 3♂♂3♀♀, same collection data as for holotype, HBU; 1♂3♀♀, same collection data as for holotype, HBU; 1♀, China, Yunnan, Daguan, Mugan, HBU; 1♀, China, Yunnan, Yiliang, Xiaocaoba, HBU; 2♂♂1♀, China, Yunnan, Weixin, Longtang, HBU.

Acosmetides platycerca Chang, Wang & Shi, 2021

Chang et al. 2021. *European Journal of Taxonomy*, 751: 140–158

Type specimens. Holotype: ♂, China, Yunnan, Weixin, Daxueshan, HBU. Paratypes: 1♂, China, same collection data as for holotype, HBU.

Anelytra (Anelytra) medicavia Yang & Bian, 2021

Liu et al. 2021. *Zootaxa*, 5032: 379–394

Type specimens. Holotype: ♂, China, Yunnan, Longling, Sanjiangkou (24.41N, 99.02E, 615m), DALU.

Anelytra (Anelytra) obtusa Liu & Bian, 2021

Liu et al. 2021. *Zootaxa*, 5032: 379–394

Type specimens. Holotype: ♀, China, Yunnan, Lvchun, DALU.

Anelytra (Euanelytra) fovea Yang & Bian, 2021

Liu et al. 2021. *Zootaxa*, 5032: 379–394

Type specimens. Holotype: ♀, Lvchun, China, Yunnan, DALU.

Chuanicosmetura Guo, Wang & Shi, 2021

Guo et al. 2021. *Zootaxa*, 4981: 393–397

Dolicholobosa bisofurcula Li, Mao & Shi, 2021

Li et al. 2021. Zootaxa, 4990: 354–360

Type specimens. Holotype: ♂, China, Guizhou, Leigongshan, HBU. Paratypes: 5♂♂1♀, China, Guizhou, Leigongshan, HBU.

Kuzicus multispinus Li, Chen & Chang, 2021

Li et al. 2021. Zootaxa, 5067: 273–278

Type specimens. Holotype: ♂, China, Guizhou, Longchang, HBU.

Liara (Liara) shii Liu & Bian, 2021

Liu et al. 2021. Zootaxa, 5072: 238–254

Type specimens. Holotype: ♂, China, Yunnan, Maguan, Gulinjing, GXNU. Paratypes: 3♂♂4♀♀, other information as holotype, GXNU.

Macrocosmetura Chang, Wang & Shi, 2021

Macrocosmetura truncata Chang, Wang & Shi, 2021

Chang et al. 2021. European Journal of Taxonomy, 751: 140–158

Type specimens. Holotype: ♂, China, Guizhou, Suiyang, Chachang, HBU. Paratypes: 1 ♀, China, same collection data as for holotype, HBU; 1♀, China, Guizhou, Suiyang, Rangshui, HBU.

Neocyrtopsides Chang, Wang & Shi, 2021

Neocyrtopsides bispina Chang, Wang & Shi, 2021

Chang et al. 2021. European Journal of Taxonomy, 751: 140–158

Type specimens. Holotype: ♂, China, Guizhou, Leishan, Leigongshan, Lianhuaping; 15 Sep. 2005; Fu-Ming Shi leg.; HBU. Paratype: 1 ♀, same collection data as for holotype, HBU.

Neoteratura Shi & Zhang, 2021

Neoteratura arrowa Shi & Zhang, 2021

Shi et al. 2021. Zootaxa, 5027: 576–586

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang, Neibang, HBU. Paratypes: 1♀, China, Yunnan, Yingjiang, Neibang, HBU.

Neoteratura conica Shi & Zhang, 2021

Shi et al. 2021. Zootaxa, 5027: 576–586

Type specimens. Holotype: ♂, China, Yunnan, Baoshan, Baihualing, HBU. Paratypes: 4♂♂3♀♀, China, Yunnan, Baoshan, Baihualing, HBU.

Neoteratura gracila Shi & Zhang, 2021

Shi et al. 2021. Zootaxa, 5027: 576–586

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang, Tongbiguan, HBU. Paratypes: 4♂♂, China, Yunnan, Yingjiang, Tongbiguan, HBU.

Neoteratura longigenitala Shi & Zhang, 2021

Shi et al. 2021. Zootaxa, 5027: 576–586

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang, Tongbiguan, HBU. Paratypes: 2♂♂1♀, China, Yunnan,

Yingjiang, Tongbiguan, HBU; 4♂♂1♀, China, Yunnan, Tengchong, Qushi, HBU; 2♂♂1♀, China, Yunnan, Yingjiang, Songke, HBU; 1♂, China, Yunnan, Yingjiang, Xincun, HBU.

Neoteratura ovata Shi & Zhang, 2021

Shi et al. 2021. *Zootaxa*, 5027: 576–586

Type specimens. Holotype: ♂, China, Yunnan, Lushui, Pianma, HBU. Paratypes: 3♂♂3♀♀, China, Yunnan, other data same as holotype, HBU.

Neoteratura quadrata Shi & Zhang, 2021

Shi et al. 2021. *Zootaxa*, 5027: 576–586

Type specimens. Holotype: ♂, China, Yunnan, Ruili, Longdao, HBU. Paratypes: 4♀♀, China, Yunnan, other data same as holotype, HBU.

Nigrimacula inlobata Cui, Liu & Shi, 2021

Cui et al. 2021. *Journal of Natural History* (55): 15–16, 969–977

Type specimens. Holotype: ♂, China, Yunnan, Eryuan, Qiaohou (26°5'12"N, 99°43'–44'E, 2152–2384 m), HBU. Paratypes: 3♂♂4♀♀, same data as holotype, HBU.

Nigrimacula laminata Cui, Liu & Shi, 2021

Cui et al. 2021. *Journal of Natural History* (55): 15–16, 969–977

Type specimens. Holotype: ♂, China, Yunnan, Yangbi, Maidi (25°46'N, 99°56'E, 1886 m), HBU. Paratype: 1♀, same data as holotype, HBU.

Orophyllus grandivalvatus Xie, Wang & He, 2021

Xie et al. 2021. *Zootaxa*, 4990: 147–159

Type specimens. Holotype: ♂, China, Zhejiang, Tiantongshan (121.79°E, 29.79°N, 92m), ECNU. Paratypes: 2♂♂, China, Guangxi (500–1100m), SHEM; 3♀♀, China, Guangxi, Maoershan (110.48°E, 25.88°N), SHEM; 2♀♀, China, Guangxi, Maoershan (110.48°E, 25.88°N, 500–1100m), SHEM; 2♂♂, China, Guangxi, Maoershan (110.48°E, 25.88°N), ECNU; 1♀, China, Sichuan, Qingchengshan (103.55°E, 30.90°N), SHEM; 2♀♀, China, Zhejiang, Tiantongshan (121.79°E, 29.79°N), SHEM; 1♂, China, Zhejiang, Qingyuan (119.18°E, 27.73°N), SHEM; 8♂♂, China, Zhejiang, Tiantongshan (121.79°E, 29.79°N), SHEM; 2♀♀, China, Zhejiang, Tiantongshan (121.79°E, 29.79°N), ECNU; 1♂, China, Zhejiang, Tiantongshan (121.79°E, 29.79°N), ECNU.

Orophyllus guttatus Xie, Wang & He, 2021

Xie et al. 2021. *Zootaxa*, 4990: 147–159

Type specimens. Holotype: ♂, China, Guangxi, Maoershan (110.48°E, 25.88°N), ECNU.

Orophyllus nigrisartorius Xie, Wang & He, 2021

Xie et al. 2021. *Zootaxa*, 4990: 147–159

Type specimens. Holotype: ♂, China, Guizhou, Leigongshan (26.37°N, 108.18°E, 1500m), ECNU. Paratypes: 2♀♀, China, Guizhou, Leigongshan (26.37°N, 108.18°E, 1500m), ECNU; 4♂♂, China, Sichuan, Mount Emei (29.57°N, 103.40°E, 700m), SHEM; 1♂, China, Sichuan, Qingchengshan (30.90°N, 103.55°E), SHEM.

Orophyllus supeciliarilamellatus Xie, Wang & He, 2021

Xie et al. 2021. Zootaxa, 4990: 147–159

Type specimens. Holotype: ♂, China, Guangxi, Maoershan (110.48°E, 25.88°N, 1200m), ECNU. Paratypes: 2♂♂, China, Guangxi, Jinxiu (110.25°E, 24.16°N), ECNU; 2♂♂3♀♀, China, Guangxi, Yangmeiao (108.64°E, 25.19°N, 1200m), SHEM; 6♂♂1♀, China, Guangxi, Yangmeiao (108.64°E, 25.19°N, 1200m), SHEM; 2♀♀, China, Guangxi, Damingshan (1250m), SHEM; 3♂♂, China, Guangxi, Yangmeiao (108.64°E, 25.19°N), ECNU; 3♂♂, China, Sichuan, Mengdingshan (103.03°E, 30.06°N, 1456m), SHEM; 1♀, China, Guizhou, Fanjingshan (1000–1800m), SHEM.

Paraxantia hakka Wu & Liu, 2021

Wu et al. 2021. Zootaxa, 5026: 440–446

Type specimens. Holotype: ♂, China, Guangdong, Nan’Ling Mt. (N 24°55’38”, E 113°00’53”, 1310m), IZCAS. Paratypes: 8♂♂, China, Guangdong, same data as in holotype, IZCAS.

Paraxantia kaquewa Wu & Liu, 2021

Wu et al. 2021. Zootaxa, 5016: 117–126

Type specimens. Holotype: ♂, China, Yunnan, Gongshan County, Qinlangdang (27.6887°, 98.2775°, 1248m), IZCAS. Paratypes: 2♂♂1♀, China, Yunnan, same as holotype, IZCAS.

Paraxantia rubripes Wu & Liu, 2021

Wu et al. 2021. Zootaxa, 5016: 117–126

Type specimens. Holotype: ♂, China, Tibet, Medog County, Bo’nong’gong (N 29.6547°, E 95.4861°, 2149m), IZCAS. Paratypes: 6♂♂, China, Tibet, Medog County, Hanmi (N 29.3647°, E 95.1284°, 2130m), IZCAS.

Ptosoproctus Shen, Yin & He, 2021

Ptosoproctus baishishanicus Shen, Yin, Lee & He, 2021

Shen et al. 2021. Zootaxa, 5067: 548–568

Type specimens. Holotype: ♂, China, Hebei, Inside crevices on rock cliff of Baishi Mountain (39°12’16.94” N, 114°41’41.56” E, 1600m), ECNU. Paratype: 1♀, China, Hebei, same data as in holotype, ECNU.

Ptosoproctus lanzhouensis Shen, Yin & He, 2021

Shen et al. 2021. Zootaxa, 5067: 548–568

Type specimens. Holotype: ♂, China, Gansu, Lanzhou University, Yuzhong Campu (35°56’40.10”N, 104°8’8.00”E, 1800m), ECNU. Paratypes: 2♂♂, China, Gansu, same data as in holotype, ECNU; 2♂♂1♀, China, Gansu, Lanzhou University Yuzhong Campu (35°57’2.75”N, 104°8’50.97”E, 1850m), ECNU.

Sinocosmetura Guo, Shi & Chang, 2021

Sinocosmetura sanjiangkouensis Guo, Shi & Chang, 2021

Guo et al. 2021. Zootaxa, 5020: 397–400

Type specimens. Holotype: ♂, China, Yunnan, Sanjiangkou, HBU. Paratypes: 3♂♂5♀♀, the other data as holotype, HBU; 1♂, China, Yunnan, Yiliang, China, Yunnan, HBU; 1♂7♀♀, China, Yunnan, Muga, HBU; 1♂, China, Yunnan, Xisha, HBU.

Shoveliteratura pentaloba Lu, Peng & Shi, 2021

Lu et al. 2021. Zootaxa, 5072: 396–398

Type specimens.— Holotype: ♂, China, Guangxi, Cujiang, Longsheng. Paratypes: 2♂♂, China, Guangxi, Shengtangshan, Jinxiu, HBU; 2♂♂, China, Guangxi, Shengtangshan, Jinxiu, HUB; 2♂♂1♀, China, Guangxi, Shengtangshan, Jinxiu, HUB.

Tridactylidae

Tibetxya Cao, Yang, Shen & Yin, 2021

Tibetxya motuoensis Cao, Yang, Shen & Yin, 2021

Cao et al. 2021. Zootaxa, 5005: 091–094

Type specimens. Holotype: ♂, China, Tibet, Motuo Town (29°34'N, 95°35'E), LNU. Paratype: 1♀, China, Tibet, same to holotype, LNU.

Trigonidiidae

Anaxiphomorpha manereserratus He & Ma, 2021

He & Ma. 20210 Zookeys, 1073: 13–20

Type specimens. Holotype: ♂, China, Guangxi, Jingxi, Longbang (22.87°N, 106.32°E), SNNU. Paratypes: 10♂♂2♀♀, same information as holotype, SNNU.

Anaxiphomorpha nonggangensis He & Ma, 2021

He & Ma. 20210 Zookeys, 1073: 13–20

Type specimens. Holotype: ♂, China, Guangxi, Longzhou, Nonggang National Natural Reserve (22.46°N, 106.96°E), SNNU. Paratypes: 7♂♂4♀♀, same information as holotype, SNNU.

Claranemobius He & Ma, 2021

Claranemobius yaoquensis He & Ma, 2021

He et al. 2021. Zootaxa, 5011: 001–070

Type specimens. Holotype: ♂, China, Yunnan, Mengla, Yaoqu, SNNU. Paratypes: 5♂♂5♀♀, China, Yunnan, same information as holotype, SNNU.

Erexitonemobius He & Ma, 2021

Erexitonemobius bellus He & Ma, 2021

He et al. 2021. Zootaxa, 5011: 001–070

Type specimens. Holotype: ♂, China, Tibet, Motuo, Beibeng, SNNU. Paratypes: 2♀♀, China, Tibet, same information as holotype, SNNU.

Fibunemobius He & Ma, 2021

Fibunemobius tamquam He & Ma, 2021

He et al. 2021. Zootaxa, 5011: 001–070

Type specimens. Holotype: ♂, China, Tibet, Motuo, Beibeng, SNNU. Paratypes: 2♂♂2♀♀, China, Tibet, same information as holotype, SNNU.

Homoeoxipha oscillantenna He, 2021

Li et al. 2021. Zootaxa, 4942: 428–438

Type specimens. Holotype: ♂, China, Fujian, Wuyishan (E 117.96, N 27.67), ECNU. Paratypes: 2♂♂2♀♀, China, Fujian, other data same as holotype, ECNU; 1♀, China, Guangdong, Yingde (E113.42, N 24.21), ECNU; 2♂♂6♀♀,

China, Guangxi, Mao'er Mt., Gaozhai (E 110.48, N 25.84), ECNU.

Homonemobius amare He & Ma, 2021

He et al. 2021. Zootaxa, 5011: 001–070

Type specimens. Holotype: ♂, China, Yunnan, Dali, Cangshan Mountain (2300m), SNNU.

Impetunemobius He & Ma, 2021

Impetunemobius brunneis He & Ma, 2021

He et al. 2021. Zootaxa, 5011: 001–070

Type specimens. Holotype: ♂, China, Guangxi, Napo, Defu, SNNU. Paratypes: 1♀, China, Guangxi, same information as holotype, SNNU; 7♂♂2♀♀, China, Guizhou, Maolan National Natural Reserve, SNNU.

Parapteronemobius chenggong He, 2021

Ding et al. 2021. Zootaxa, 4985: 294–300

Type specimens. Holotype: ♂, China, Zhejiang, Ningbo, Miaoxiakeng (121.96 E, 29.09 N), ECNU. Paratypes: 2♂♂25♀♀, China, Zhejiang, same data as holotype, ECNU.

Polionemobius chayuensis He & Ma, 2021

He et al. 2021. Zootaxa, 5011: 001–070

Type specimens. Holotype: ♂, China, Tibet, Chayu, Xiachayu, SNNU. Paratypes: 3♂♂2♀♀, China, Tibet, same information as holotype, SNNU.

Pteronemobius (Pteronemobius) choui He & Ma, 2021

He et al. 2021. Zootaxa, 5011: 001–070

Type specimens. Holotype: ♂, China, Zhejiang, Tianmu Mountain National Natural Reserve, NWAFU.

Pteronemobius (Pteronemobius) litore He & Ma, 2021

He et al. 2021. Zootaxa, 5011: 001–070

Type specimens. Holotype: ♂, China, Ningxia, Yanchi, Gaoshawo, SNNU. Paratype: 1♀, China, Ningxia, same information as holotype, SNNU.

Rhcnogryllus fallax He, 2021

Liu & He. 2021. Zootaxa, 5048: 594–598

Type specimens. Holotype: ♂, China, Hainan, Jianfengling (E 109.27 N 22.86), ECNU. Paratypes: 6♂♂5♀♀, same data as holotype, ECNU.

Rhcnogryllus nanlingensis He, Zhang & Ma, 2021

He et al. 2021. Zootaxa, 4950: 589–594

Type specimens. Holotype: ♂, China, Guangdong, Nanling National Forest Park, Tianjing Mountain, SNNU.

Rhcnogryllus xuandan He, 2021

Liu & He. 2021. Zootaxa, 5048: 594–598

Type specimens. Holotype: ♂, China, Hainan, Baoting, Xian'an shilin (18.60, 109.43), ECNU. Paratypes: 4♂♂7♀♀, same data as holotype, ECNU.

Speonemobius minor He & Ma, 2021

He et al. 2021. Zootaxa, 5011: 001–070

Type specimens. Holotype: ♂, China, Tibet, Motuo, Beibeng, SNNU. Paratype: 1♂, China, Tibet, Motuo, Beibeng, SNNU.

Svistella malu He, 2021

Li et al. 2021. Zootaxa, 4949: 173–183

Type specimens. Holotype: ♂, China, Yunnan, Kunming (24.90N, 102.84E, 2000 m), ECNU. Paratypes: 2♂♂, China, Yunnan, same data as holotype, ECNU; 2♂♂2♀♀, China, Yunnan, Houqiao (25.33N, 98.28E, 2000 m), ECNU.

Svistella wuyong He, 2021

Li et al. 2021. Zootaxa, 4949: 173–183

Type specimens. Holotype: ♂, China, Yunnan, Nabang (24.75N, 97.57E), ECNU. Paratypes: 2♂♂, China, Yunnan, same data as holotype, ECNU.

蝽目 Phasmatodea

Lonchodidae

Oxyartes gracilicercus Ho, 2021

Ho. 2021. Hong Kong Entomological Bulletin, 13: 04

Type specimens. Holotype: ♀, China, Yunnan, Baoshan (1500 m), HKES. Paratypes: 3♂♂, same data as holotypes, HKES.

Oxyartes gracilicornis Ho, 2021

Ho. 2021. Hong Kong Entomological Bulletin, 13: 04

Type specimens. Holotype: ♀, China, Yunnan, Baoshan (1500 m), HKES. Paratypes: 1♂7 nymphs (4♀♀3♂♂), China, Yunnan, Baoshan (1500–2000 m), HKES.

Oxyartes guizhouensis Ho, 2021

Ho. 2021. Hong Kong Entomological Bulletin, 13: 04

Type specimens. Holotype: ♀, China, Guizhou, Zunyi, Xishui (900–1000 m), HKES. Paratypes: 3♀♀, China, Guizhou, Zunyi, Xishui (900–1000 m), HKES.

Oxyartes rubrogranulatus Ho, 2021

Ho. 2021. Hong Kong Entomological Bulletin, 13: 04

Type specimens. Holotype: ♀, China, Yunnan, Dali, Nanjian (2000 m), HKES. Paratypes: 2♀♀2♂♂, China, Yunnan, Dali, Nanjian (2000 m), HKES.

Phasmatidae

Cnipsomorpha inflexa Ho, 2021

Wai-Chun Ho. 2021. Zootaxa, 5026: 102–126

Type specimens. Holotype: ♀, China, Yunnan, Dali, Nanjian, Primitive broad-leaved forests (2000m), HKES. Paratypes: 7♂♂ 5♀♀, 15 eggs (naturally laid by paratype ♀), same data as holotype, HKES.

Cnipsomorpha jinpingensis Ho, 2021

Wai-Chun Ho. 2021. Zootaxa, 5026: 102–126

Type specimens. Holotype: ♀, China, Yunnan, Honghe, Jinping, Primitive broad-leaved forests near Jinhezhen (2200 m), HKES. Paratypes: 5♂♂, 2 eggs (naturally laid by holotype, ♀), same data as holotype, HKES.

Cnipsomorpha nigromaculata Ho, 2021

Wai-Chun Ho. 2021. Zootaxa, 5026: 102–126

Type specimens. Holotype: ♀, China, Yunnan, Dehong, Yingjiang West, Primitive broad-leaved forests near Pingyuanzhen (1000 m), HKES. Paratypes: 1♂, 6 eggs (naturally laid by holotype: ♀), same data as holotype, HKES.

Cnipsomorpha nigrospina Ho, 2021

Wai-Chun Ho. 2021. Zootaxa, 5026: 102–126

Type specimens. Holotype: ♀, China, Yunnan, Yuxi, Xinping West, Primitive broad-leaved forests near Jiasazhen (2400 m), HKES. Paratypes: 4♂♂, same data as holotype, HKES.

Cnipsomorpha polyspina Ho, 2021

Wai-Chun Ho. 2021. Zootaxa, 5026: 102–126

Type specimens. Holotype: ♀, China, Yunnan, Baoshan, Longyang West, Primitive broad-leaved forests near Gangdang (1500m), HKES. Paratypes: 5♀♀, 60 eggs (naturally laid by holotype: ♀ & paratypes♀), same data as holotype, HKES.

Cnipsomorpha serratitibia Ho, 2021

Wai-Chun Ho. 2021. Zootaxa, 5026: 102–126

Type specimens. Holotype: ♀, China, Yunnan, Honghe, Jinping, Primitive broad-leaved forests near Jinhezhen (2000 m), HKES. Paratypes: 10 eggs (extracted from the abdomen of holotype ♀), same data as holotype, HKES.

Cnipsomorpha trituberculata Ho, 2021

Wai-Chun Ho. 2021. Zootaxa, 5026: 102–126

Type specimens. Holotype: ♀, China, Yunnan, Honghe, Luchun, Huanglianshan, Primitive broad-leaved forests (1300-1400 m), HKES. Paratypes: 5 eggs (naturally laid by holotype ♀), same data as holotype, HKES.

Cnipsomorpha viridis Ho, 2021

Wai-Chun Ho. 2021. Zootaxa, 5026: 102–126

Type specimens. Holotype: ♀, China, Yunnan, Yuxi, Xinping West, Primitive broad-leaved forests near Jiasazhen (2400 m), HKES. Paratypes: 13♀♀5♂♂, 87eggs (naturally laid by paratype♀), same data as holotype, HKES.

Interphasma huayingshanense Li, Shi et Wang, 2021

Li et al. 2021. Far Eastern Entomologist 422: 24-32

Type specimens. Holotype: ♀, China, Sichuan, Huayingshan, SICAU. Paratypes: 2♂♂ 2♀♀, 8 eggs naturally laid by female types, same locality as holotype, SICAU.

Megacnipsomorpha Ho, 2021

Ho 2021. Zoological Systematics, 46: 234–239

Neospiniphasma Ho, 2021

Neospiniphasma similis Ho, 2021

Ho 2021. Hong Kong Entomological Bulletin, 13: 04

Type specimens. Holotype: ♀, China, Yunnan, Honghe, Jinping (1500 m), HKES. Paratypes: 1♂5♀♀5 eggs (naturally laid by paratype♀), same data as holotype, HKES.

Neospiniphasma triangulatum Ho, 2021

Ho 2021. Hong Kong Entomological Bulletin, 13: 04

Type specimens. Holotype: ♀, China, Yunnan, Honghe, Jinping (2000 m), HKES. Paratypes: 7♂♂2♀♀ (1 nymph) 1 egg (naturally laid by paratype♀), same data as holotype, HKES.

Parapachymorpha granulata Ho, 2021

Ho. 2021. Zoological Systematics, 46: 234–239

Type specimens. Holotype: ♀, China, Yunnan, Honghe, Jinping (2000 m), HKES. Paratypes. 2♀♀8♂♂, 10 eggs, same data as holotype, HKES.

Parapachymorpha parvicorne Ho, 2021

Ho. 2021. Zoological Systematics, 46: 234–239

Type specimens. Holotype: ♀, China, Yunnan, Yuxi, Xinping (2400 m), HKES. Paratypes: 1♀♀6♂♂, same data as holotype, HKES.

Sinixenophasmina Ho, 2021

Sinixenophasmina abbreviatum Ho, 2021

Ho. 2021. Zoological Systematics, 46: 187–190

Type specimens. Holotype: ♀, China, Yunnan, Dehong, Yingjiang (1000 m), HKES. Paratypes. 2 eggs, same data as holotype, HKES; 1♂1♀, China, Yunnan, Yuxi, Xinping (2000 m), HKES; 1♂, China, Yunnan, Honghe, Jinping (2000 m), HKES; 1♂, China, Yunnan, Honghe, Jinping, Fenshuiling (1300–1400 m), HKES.

Spinoparapachymorpha Ho, 2021

Ho. 2021. Zoological Systematics, 46: 234–239

Phylliidae

Cryptophyllum Cumming, Bank, Bresseel, Constant, Tirant, Dong, Sonet & Bradler, 2021

Cryptophyllum daparo Cumming, Bank, Bresseel, Constant, Tirant, Dong, Sonet & Bradler, 2021

Cumming et al. 2021. ZooKeys, 1018: 1–179

Type specimens. Holotype: ♀, China, Yunnan, Wangtianshu, Mengla County, Xishuangbanna Prefecture, KIZCAS.

Cryptophyllum liyananae Cumming, Bank, Bresseel, Constant, Tirant, Dong, Sonet & Bradler, 2021

Cumming et al. 2021. ZooKeys, 1018: 1–179

Type specimens. Holotype: ♀, China, Guangxi, Jinxiu County, Liuzhou City, Dayaoshan Mountain (875–1500 m), IMQC. Paratypes: 6♀♀, 4 eggs, China, Guangxi, Jinxiu County, Liuzhou City, Dayaoshan Mountain (875–1500

m), IMQC.

Cryptophyllium wennae Cumming, Bank, Bresseel, Constant, Tirant, Dong, Sonet & Bradler, 2021

Cumming et al. 2021. ZooKeys, 1018: 1–179

Type specimens. Holotype: ♀, China, Yunnan, Chashan Park, KIZCAS.

虱目 Phthiraptera

Philopteridae

Cuculicola calyptocamptus Gustafsson, Tian & Zou, 2021

Gustafsson et al. 2021. Zootaxa, 4990: 305–328

Type specimens. Holotype: ♂, China, Yunnan, Hekou County, Basa Village, IZGAS. Paratypes: 12♂♂51♀♀, China, Yunnan, same data as holotype, IZGAS.

Goniocotes kristinae Gustafsson, Tian & Zou, 2021

Gustafsson et al. 2021. Zootaxa, 4990: 305–328

Type specimens. Holotype: ♂, China (Zoo), BMNH. Paratypes: 4♂♂3♀♀, China (Zoo), same data as holotype, BMNH.

Goniocotes rolandi Gustafsson, Tian & Zou, 2021

Gustafsson et al. 2021. Zootaxa, 4990: 305–328

Type specimens. Holotype: ♂, China, Tibet, BMNH. Paratypes: 3♂♂6♀♀, China, Tibet, same data as holotype, BMNH.

Guimaraesiella (Cicchinella) citreisoma Gustafsson, Tian, Ren, Liu, Yu & Zou, 2021

Gustafsson et al. 2021. Zootaxa, 5060: 333–352

Type specimens. Holotype: ♂, China, Yunnan, Gaijingliang Village, Daping Township, Malipo County, Wenshan Prefecture, IZGAS. Paratypes: 1♂6♀♀, same data as holotype, IZGAS.

Guimaraesiella (Cicchinella) corrugata Gustafsson, Tian, Ren, Liu, Yu & Zou, 2021

Gustafsson et al. 2021. Zootaxa, 5060: 333–352

Type specimens. Holotype: ♂, China, Guangdong Dinghushan, Dinghu District, Zhaoqing, IZGAS. Paratypes. 1♂, same data as holotype, IZGAS; 2♂♂2♀♀, same locality and collectors as holotype, IZGAS.

Guimaraesiella (Cicchinella) petilorica Gustafsson, Tian, Ren, Liu, Yu & Zou, 2021

Gustafsson et al. 2021. Zootaxa, 5060: 333–352

Type specimens. Holotype: ♂, China, Yunnan, Wudian Village, Huyu Township, Ruili City, Dehong Prefecture, IZGAS. Paratypes: China, Yunnan, 1♀, Banyan King, Daonong Village, Nabang Township, Yingjiang County, Dehong Prefecture, IZGAS; 2♀♀, same locality and collectors, IZGAS; 1♀, same locality and collectors, IZGAS; 2♀♀, same locality and collectors, IZGAS; 1♀, same data as previous, IZGAS.

Guimaraesiella (Cicchinella) yuhinae Gustafsson, Tian, Ren, Liu, Yu & Zou, 2021

Gustafsson et al. 2021. Zootaxa, 5060: 333–352

Type specimens. Holotype: ♂, China, Yunnan, Pingshan Village, Husa Township, Longchuan County, Dehong Prefecture, IZGAS. Paratypes: 1♂, 5♀♀, same data as holotype, IZGAS.

Priceiella (Camurnirmus) nanlingensis Gustafsson, Tian, Ren, Liu, Yu & Zou, 2021

Gustafsson et al. 2021. Journal of Parasitology, 107: 863–877

Type specimens. Holotype: ♂, China, Guangdong, Babaoshan Management Station, Ruyang Management Office Nanling Mountains, IZGAS. Paratypes: 28♂♂35♀♀, same data as holotype, IZGAS.

Priceiella (Camurnirmus) tanydrepana Gustafsson, Tian, Ren, Liu, Yu & Zou, 2021

Gustafsson et al. 2021. Journal of Parasitology, 107: 863–877

Type specimens. Holotype: ♂, China, Hainan, Jianfengling National Nature Reserve, Tainchi, Ledong County, IZGAS. Paratypes: 1♂, 5♀♀, same data as holotype, IZGAS.

Priceiella (Thescelovora) brutifrons Gustafsson, Tian, Ren, Liu, Yu & Zou, 2021

Gustafsson et al. 2021. Journal of Parasitology, 107: 863–877

Type specimens. Holotype: ♂, China, Guangxi, Pairu Village, Guanghe Village, Zuozhou Township, Jiangzhou District, Chongzuo City, IZGAS. Paratypes: 6♂♂, 7♀♀, same data as holotype, IZGAS; 6♂♂, 4♀♀, same data as holotype, IZGAS; 7♂♂, 7♀♀, same data as holotype, IZGAS; 10♂♂, 9♀♀, same data as previous, IZGAS.

Priceiella (Thescelovora) catanachei Gustafsson, Tian, Ren, Liu, Yu & Zou, 2021

Gustafsson et al. 2021. Journal of Parasitology, 107: 863–877

Type specimens. Holotype: ♂, China, Hainan, Jianfengling National Nature Reserve, Tianchi, Ledong County, IZGAS. Paratypes: 2♂♂, 2♀♀, same data as holotype, IZGAS.

Priceiella (Thescelovora) chuae Gustafsson, Tian, Ren, Liu, Yu & Zou, 2021

Gustafsson et al. 2021. Journal of Parasitology, 107: 863–877

Type specimens. Holotype: ♂, China, Yunnan, “Primitive forests” near Xihuikuan and Manpa Villages, Mengla County, Banna Prefecture, IZGAS. Paratypes: 2♀♀, same data as holotype, IZGAS.

Priceiella (Thescelovora) dehongensis Gustafsson, Tian, Ren, Liu, Yu & Zou, 2021

Gustafsson et al. 2021. Journal of Parasitology, 107: 863–877

Type specimens. Holotype: ♂, China, Yunnan, Rongshuwang, Dehong Autonomous Prefecture, IZGAS.

Priceiella (Thescelovora) rotundiceps Gustafsson, Tian, Ren, Liu, Yu & Zou, 2021

Gustafsson et al. 2021. Journal of Parasitology, 107: 863–877

Type specimens. Holotype: ♂, China, Anhui, Baiguo Village, Xiubo Township, Yuexi County, IZGAS. Paratypes: 3♂♂, 4♀♀, same data as holotype, IZGAS; 3♂♂, 2♀♀, same data as holotype, IZGAS.

Rallicola (Rallicola) tibetana Gustafsson, Tian & Zou, 2021

Gustafsson et al. 2021. Zootaxa, 4990: 305–328

Type specimens. Holotype: ♂, China, Tibet, BMNH. Paratypes: 4♀♀, China, Tibet, same data as holotype, BMNH.

Resartor elugeus Gustafsson, Tian & Zou, 2021

Gustafsson et al. 2021. Zootaxa, 4990: 305–328

Type specimens. Holotype: ♂, China, Yunnan, Ailaoshan Nature Reserve, IZGAS. Paratypes: 6♀♀, China, Yunnan, same data as holotype, IZGAS.

襁翅目Plecoptera

Chloroperlidae

Suwallia errata Li & Li, 2021

Li et al. 2021. Zootaxa, 5040: 575–581

Type specimens. Holotype: ♂, China, Inner Mongolia Autonomous Region, Mt. Aershan (Arxan), Bu-Dong River (E 47°17.433', 120°24.633', 1100 m), HIST. Paratypes: 1♂3♀♀, same data as holotype, HIST; 3♂♂1♀, same data as holotype, HNHM; 32♂♂20♀♀, China, Inner Mongolia Autonomous Region, Mt. Aershan (Arxan), upstream of Halaha River (1050 m), HIST.

Swelsta bicurvata Li, W.L. & Li, W.H., 2021

Li et al. 2021. Zootaxa, 5057: 145–150

Type specimens. Holotype: ♂, China, Zhejiang, Longquan City, Fengyangshan (N 7°53.52', E 119°9.95', 1450 m), CAU.

Sweltsa zhejiangensis Li, W.H. & Wang, 2021

Li et al. 2021. Zootaxa, 5057: 145–150

Type specimens. Holotype: ♂, China, Zhejiang, Longquan City, Fengyangshan (N 7°53.52', E 119°9.95', 1450 m), CAU. Paratypes: 2♂♂1♀, China, Zhejiang, Longquan City, Fengyangshan (N 27°53.52', E 119°9.95', 1450 m), HIST.

Leuctridae

Rhopalopsale dicondylica Yang & Du, 2021

Yang & Du. 2021. Zootaxa, 5072: 485–492

Type specimens. Holotype: ♂, China: Guizhou, Tongren, Fanjing Mountain (29°48'18"N, 106°23'26"E, 880 m), ICYZU. Paratypes: 5 ♂♂, same data as holotype, ICYZU.

Rhopalopsale trichotoma Yang & Du, 2021

Yang et al. 2021. Zootaxa, 5071: 143–150

Type specimens. Holotype: ♂, China: Fujian, Wuyi Mountains (27°39'33"N, 117°57'50"E, 303m), ICYZU. Paratypes: 2 ♂♂, same data as holotype, ICYZU.

Rhopalopsale wuyishanensis Yang & Du, 2021

Yang et al. 2021. Zootaxa, 5071: 143–150

Type specimens. Holotype: ♂, China, Fujian, Wuyi Mountains (27°44'46"N, 117°40'28"E, 725 m), ICYZU. Paratypes: 5 ♂♂, same data as holotype, ICYZU.

Nemouridae

Amphinemura meizhouensis Mo, Wang, Yang, Li & Muranyi, 2021

Mo et al. 2021. Zootaxa, 5040: 077–101

Type specimens. Holotype: ♂, China, Guangdong, Meizhou City, Yearning Tea Plantation Tourist Attraction, Longnashan Mountain Ecological Valley, Baoling Temple (24°22'34" N, 116°22'4" E, 346.2 m), HIST. Paratypes: 2♂♂4♀♀, same date as holotype, HIST; 3♀♀, Longnashan Mountain Ecological Valley (325.0 m), same data as holotype, HIST.

Amphinemura oblonga Rehman, Du & Zhao, 2021

Rehman et al. 2021. Zootaxa, 5068: 115–124

Type specimens. Holotype: ♂, China, Yunnan, Shangrila city, Gezan township, Langdu Village (N 28°14.164' E 99°59.737', 3609 m), ICYZU. Paratypes: 7♂♂10♀♀, same data as for the holotype, ICYZU.

Amphinemura oxyacantha Du & Zhao, 2021

Zhao et al. 2021. Journal of Natural History (55): 11–12, 699–711

Type specimens. Holotype: ♂, China, Zhejiang, Gate of Tianmu Mountain (30°31.948'N, 119°45.481'E, 300 m), ICYZU. Paratypes: 26♂♂34♀♀, China, Zhejiang, Gate of Tianmu Mountain (300 m), ICYZU; 1♂, China, Zhejiang, Longwang Mountain, ICYZU.

Amphinemura reni Du & Zhao, 2021

Zhao et al. 2021. Zootaxa, 4969: 573–580

Type specimens. Holotype: ♂, China, Taiwan, Ali Mountain (2200–2500 m), ICYZU. Paratypes: 5♂♂1♀, the same data as the holotype, ICYZU.

Amphinemura triquetra Zhao & Du, 2021

Zhao et al. 2021. Zootaxa, 4969: 573–580

Type specimens. Holotype: ♂, China, Taiwan, Nantoupuli–Aowanda (1280 m), ICYZU. Paratypes: 1♂, the same data as the holotype, ICYZU.

Amphinemura tulipa Mo, Wang, Yang, Li & Muranyi, 2021

Mo et al. 2021. Zootaxa, 5040: 077–101

Type specimens. Holotype: ♂, China, Guangxi, Fangchenggang City, Shangsi county, Shiwandashan National Forest Park (21°54'07" N, 107°54'17" E, 315 m), HIST. Paratypes: 1♀, same locality and date, HNHM; 1♀, Yunwu Hotel balcony above Pearl River (21°54'18" N, 107°54'12" E, 295 m), HIST; 1♀, Yunwu Hotel balcony above Pearl River (21°54'18" N, 107°54'12" E, 295 m), HNHM.

Mesonemoura diqinga Rehman Du & Zhao, 2021

Rehman et al. 2021. Zootaxa, 5068: 115–124

Type specimens. Holotype: ♂, China, Yunnan, Shangrila city, Gezan township, Langdu Village (N 28°14.164' E 99°59.737', 3609 m), ICYZU. Paratypes: 4♂♂, same data as for the holotype, ICYZU.

Nemoura biplatta Zhao & Du, 2021

Zhao et al. 2021. ZooKeys, 1039: 109–122

Type specimens. Holotype: 1♂, China, Guangxi, Guilin City, Ziyuan County, Maoershan National Natural Reserve (25°53'37.2624"N, 110°25'25.1544"E, 1945 m), ICYZU. Paratypes: 1♂1♀, the same data as the holotype, ICYZU.

Peltoperlidae

Cryptoperla bicornate Mo, Liu, Wang, Li & Muranyi, 2021

Mo et al. 2021. Zootaxa, 5032: 237–246

Type specimens. Holotype: ♂, China, Henan, Luoyang City, Luanchuan County, Long Yu Bay Scenic Area (Longyuwan) (33.70583 N, 111.75472 E, 976 m), HIST. Paratypes: 2♂♂, same locality as holotype, HIST.

Cryptoperla cunicidata Mo, Liu, Wang, Li & Muranyi, 2021

Mo et al. 2021. *Zootaxa*, 5032: 237–246

Type specimens. Holotype: ♂, China, Guangdong, Shaoguan City, Ruyuan Yao Autonomous County, Nanling National Forest Park (24.92001 N, 113.03001 E, 617.2–814.5 m), HIST.

Perlidae

Chinoperla changjiangensis Mo, Liu, Wang, Li & Muranyi, 2021

Mo et al. 2021. *European Journal of Taxonomy*, 775: 62–85

Type specimens. Holotype: ♂, China, Hainan, Bawangling National Nature Reserve (19°15'1.440" N, 109°2'2.4" E, 1000 m), CAU. Paratypes: 1♀, same collection data as for holotype, CAU; 1♂, same collection data as for holotype, HIST.

Flavoperla qinlinga Liu, Li & Li, 2021

Liu et al. 2021. *Zoological Systematics*, 46: 182–186

Type specimens. Holotype: ♂, China, Shaanxi, Qinling Mountains, Ningshan County, Huoditang of Pingheliang Forestry Station (33°28'N, 108°29'E, 1500 m), HIST. Paratypes: 6♂♂, same data as holotype, HIST; 1♂, China, Sichuan, Liangshan Prefecture, Yanyuan City, Zhulin Village (27°30'53"E, 107°7'41"N, 1572 m), CAU.

Flavoperla retusata Mo, Li & Wang, 2021

Mo et al. 2021. *Zootaxa*, 5032: 247–261

Type specimens. Holotype: ♂, China, Guangxi, Nanning City, Wuming County, Liangjiang Town, Neichao Village, Longmugou River (23°29'39" N, 108°21'36" E, 199 m), HIST. Paratypes: 1♂, same data as holotype, HIST; 2♂♂5♀♀, China, Guangxi, Nanning City, Wuming County, Liangjiang Town, Neichao Village, Neichao Hotel (23°29'32" N, 108°21'29" E, 194 m), HIST.

Flavoperla separata Liu, Li & Shali, 2021

Liu et al. 2021. *Zoological Systematics*, 46: 182–186

Type specimens. Holotype: ♂, China, Shaanxi, Yuling Town, Jiefang Village (110°43'07"N, 33°87'47"E, 1133 m), CAU. Paratypes. 3♂♂, China, Hubei, Yingshan County, Taohuachong forest park (30°98'42"E, 116°02'30"N, 694 m), CAU & HIST.

Flavoperla yangi Mo, Li & Muranyi, 2021

Mo et al. 2021. *Zootaxa*, 5032: 247–261

Type specimens. Holotype: ♂, China, Guangxi, Laibing City, Jinxiu Yao Autonomous County, Fenzhan Village (N 24°7'31", E 110°12'14", 810m), HIST. Paratypes: 6♂♂6♀♀, same data as holotype, HIST; 1♀, China, Guangxi, Laibing City, Dayaoshan National Natural Reserve, Hekou Station (N 24°8'20", E 110°5'2", 570.2m), HIST; 4♂♂, China, Guangxi, Laibing City, Shengtang Mountain (23°58'32" N, 110°6'49" E, 1148.5m) HIST.

Kamimuria dabieshana Yan, Kong & Li, 2021

Yan et al. 2021. *Zootaxa*, 4927: 549–558

Type specimens. Holotype: ♂, China, Hubei, Dabie Mountains, Taohuachong Forest Park (N 30.9601°, E 115.7571°, 650 m), CAU. Paratypes: 1♂1♀, China, Hubei, Dabie Mountains, Taohuachong Forest Park (N 30.8863°, E 115.7790°, 694 m), HIST.

Neoperla annulatispina Mo, Li & Wang, 2021

Mo et al. 2021. Zootaxa, 5040: 195–214

Type specimens. Holotype: ♂, China, Guangdong, Shaoguan City, Chebaling National Nature Reserve, Xiba (N 24°43'48", E 114°15'36", 360 m), HIST. Paratypes: 1♂1♀, same locality and date as holotype, CAU; 1♂1♀, same locality and date as holotype, HIST.

Neoperla bimaculate Li, Wang & Li, 2021

Li et al. 2021. Zootaxa, 4964: 169–178

Type specimens. Holotype: ♂, China, Tibet, Motuo, Beibeng (29°14'45.11" N, 95°10'16.21" E, 790 m), CAU. Paratypes: 2♂♂, same locality (29°14'45.11" N, 95°10'16.21" E, 880m), CAU & HIST.

Neoperla falcata Mo, Wang, Li & Muranyi, 2021

Mo et al. 2021. ZooKeys, 1056: 191–206

Type specimens. Holotype: ♂, China, Guangxi, Shiwandashan National Forest Park, forested river valley (21°54.4'N, 107°54.2'E, 290–360 m), NMP. Paratypes: 2♂♂, same data as for holotype, NMP; 1♂1♀, same data as for holotype, HIST.

Neoperla huangshana Huo, Du & Zhu, 2021

Huo et al. 2021. Zootaxa, 5004: 288–310

Type specimens. Holotype: ♂, China, Anhui, Huangshan City, Mt. Huangshan, “the Valley of Wild Monkeys” (30°5'11.508"N, 118°8'29.7816"E, 597 m), ICYZU. Paratypes: 6♂♂6♀♀, the same location as the holotype, ICYZU.

Neoperla jiangae Li & Yan, 2021

Li et al. 2021. Zootaxa, 5047: 431–443

Type specimens. Holotype: ♂, China, Shaanxi, Qingmichuan National Nature Reserve, Qingmichuan Protection Station (32.8296°N, 105.5625°E, 669 m), HIST.

Neoperla jiaoxihe Li & Yan, 2021

Li et al. 2021. Zootaxa, 5047: 431–443

Type specimens. Holotype: ♂, China, Shaanxi, Foping County, Jiaoxihe River (33.5227° N, 107.9831°E, 836 m), HIST.

Neoperla limushana Mo, Wang & Li, 2021

Mo et al. 2021. Zootaxa, 5004: 385–394

Type specimens. Holotype: ♂, China, Hainan, Qiongzhong County, Limu Mountain (19°29'N, 109°80'E, 110 m), HIST. Paratypes: 4♂♂3♀♀, same locality and date as holotype, HIST; 2♂♂2♀♀, same locality and date as holotype, CAU; 2♂♂, China, Hainan, Baisha County, Yinggeling, Nankai village (19°5'52.8" N, 109°24'57.24" E, 308 m), HIST; 1♂, China, Hainan, Baisha County, Yinggeling, Nankai village (19°5'52.8" N, 109°24'57.24" E, 308 m), CAU.

Neoperla pangi Huo, Du & Zhu, 2021

Huo et al. 2021. Zootaxa, 5004: 288–310

Type specimens. Holotype: ♂, China, Anhui, Guangde City, Yangtan Town, Jiufang Village (30.68°N, 119.19°E), ICYZU. Paratype: 1♂, the same location and data as the holotype, ICYZU.

Neoperla shangsiensis Mo, Wang, Li & Muranyi, 2021

Mo et al. 2021. *ZooKeys*, 1056: 191–206

Type specimens. Holotype: ♂, China, Guangxi, Shiwandashan National Forest Park, forested river valley (21°54.4'N, 107°54.2'E, 290–360 m), NMP.

Neoperla similidelphina Mo, Li & Murányi, 2021

Mo et al. 2021. *Zootaxa*, 5040: 195–214

Type specimens. Holotype: ♂, China, Guangxi, Guilin City, Xing'an County, Maoershan National Nature Reserve, Grand Canyon (N 25°51' 27", E 110°28'0", 523 m), HIST. Paratype: 1♀, same locality and date as holotype, HIST.

Phanoperla cheni Mo, Wang, Wang & Li, 2021

Mo et al. 2021. *ZooKeys*, 1052: 71–81

Type specimens. Holotype: ♂, China, Guangdong, Chebaling National Natural Reserve (24.72°N, 114.26°E, 327.4 m), HIST.

Togoperla flinti Li, Wang & Li, 2021

Li et al. 2021. *Zootaxa*, 5040: 102–110

Type specimens. Holotype: ♂, China: China, Anhui, Dabie Mountains, Yaoluoping village, CAU. Paratypes: 2♂♂, China, Hubei, Dabie Mountains, Taohuachong Forest Park (N 30°57.606', E 115°45.426'), CAU & HIST.

Perlodidae

Isoperla chongxui Chen, Du & Li, 2021

Chen et al. 2021. *Zootaxa*, 5027: 160–174

Type specimens. Holotype: ♂, China, Henan, Xinyang City, Dongzhai National Nature Reserve (31.94956609N, 114.25485947E, 160 m), ICJUST. Paratypes: 4♂♂5♀♀, same locality and date as holotype, ICJUST.

Tibetisoperla Huo & Du, 2021

Tibetisoperla wangluyui Huo & Du, 2021

Huo et al. 2021. *Zootaxa*, 4996: 343–352

Type specimens. Holotype: ♂, China, Tibet, Coqen County, Quluo Township, Meiduo Village (30°39'19.43" N, 85°7'54.62" E, 4751 m), ICYZU. Paratypes: 1♀, China, Tibet, Zhongba County, Qiongguo Township, Longdangbo (29°46'10.10" N, 83°55'36.31" E, 4556 m), ICYZU; 1♂, Rutog County, Rutog Town (33°18'7.76" N, 79°41'29.87" E, 4288 m), ICYZU; 2♂♂, Gar County, Shiquanhe Town, Jiamu River (32°26'9.80" N, 80°12'12.89" E, 4340 m), ICYZU; 1♀, Ge'gyai County, Xiongba Township, Qusuoma (32°5'44.16" N, 81°47'30.80" E, 4607 m), ICYZU; 2♂♂, Coqen County, Quluo Township, Meiduo Villag (30°39'19.43" N, 85°7'54.62" E, 4751 m), ICYZU.

Styloperlidae

Cerconychia multiseta Mo, Liu & Li, 2021

Mo et al. 2021. *Zootaxa*, 5040: 582–588

Type specimens. Holotype: ♂, China, Guangxi, Baise City, Mt. Cenwanglaoshan, Dalongping (N 24°21', E 106°15', 1300 m), HIST. Paratypes: 8♂♂6♀♀, same locality and date as holotype, HIST.

啮虫目 Psocoptera

Psocidae

Clematoscenea biprocessus Jie & Liu, 2021

Jie & Liu. 2021. Zootaxa, 5047: 045–052

Type specimens. Holotype: ♂, China, Tibet, Mêdog County, Miri (米日村) (29°25'N, 95°24'E, 810 m), CAU. Paratypes: 7♂♂2♀♀, same as holotype, CAU.

蛇蛉目 Raphidioptera

Inocelliidae

Inocellia yulongensis Shen & Liu, 2021

Shen & Liu. 2021. Journal of Asia-Pacific Entomology, 24: 1070–1076

Type specimens. Holotype: ♂, China, Yunnan, Yulong County [玉龙县], Taian [太安乡] (26°50'44.4" N, 100°04'30.7" E, 2619 m), CAU. Paratypes: 1♂, same data as holotype, CAU; 1♀, Yunnan, Shangri-La County [香格里拉县], Haba Snow Mountain [哈巴雪山] (27°12'57.24" N, 100°05'0.24" E, 2896 m), CAU.

蚤目 Siphonaptera

Ctenophthalmidae

Rhadinopsylla (Actenophthalmus) guyuanensis Bai, Yu & Chai, 2021

Bai et al. 2021. Acta Parasitologica et Medica Entomologica Sinica, 28: 1889–192

Type specimens. 正模: ♂, 宁夏回族自治区原州区开城地区, AMMS. 副模: 1♂, 宁夏回族自治区原州区开城地区, AMMS.

Rhadinopsylla (Actenophthalmus) linzhiensis Gong, Li & Wen, 2021

Gong et al. 2021. Chin J Vector Biol & Control

Type specimens. Holotype: ♀, China, Tibet, Linzhi, Bayi (3000 m), YIPD.

Xenodaeria houyongi Gong, Xu & Zi, 2021

Gong et al. 2021. Chin J Vector Biol & Control

Type specimens. Holotype: ♀, China, Tibet, Motuo (1200 m), YIPD.

缨翅目 Thysanoptera

Phlaeothripidae

Psephenothrips aporosae Tong, Lau & Zhao, 2021

Tong et al. 2021. Zootaxa, 5072: 291–297

Type specimens. Holotype: ♀, China, Hainan, Danzhou City, the Danzhou Campus of Hainan University, SCAU. Paratypes: 4♀♀, same data as holotype, SCAU.

Psephenothrips eriobotryae Dang & Qiao, 2021

Dang et al. 2021. ZooKeys, 1029: 113–121

Type specimens. Holotype: ♀, China, Sichuan, Guangyuan City, Fenghuangshan Park, SUT. Paratypes: 3♂♂, with the same data as holotype, SUT.

Thripidae

Amalothrips bifurcus Li, Liu & Zhang, 2021

Li et al. 2021. Zootaxa, 5039: 425–432

Type specimens. Holotype: ♀, China, Yunnan, Malipo County, YNAU. Paratype: 1♀, same data as holotype, YNAU.

Astrothrips glanduculus Li, Mound, Xie & Zhang, 2021

Li et al. 2021. Zootaxa, 4920: 267–277

Type specimens. Holotype: ♀, China, Yunnan, Wuding County, Chuxiong Prefecture, Lion Mountain (25°32'N, 102°22' E), YNAU. Paratypes: 19♀ 11♂♂, same data with holotype, YNAU; 4♀♀, Lion Mountain, YNAU; 3♀♀, Pingbian County, Dawei Mountain, YNAU; 1♂2♀♀, unknown; 1♂, ANIC.

Neohydatothrips sophorae Feng, Wang & Tong, 2021

Feng et al. 2021. Zootaxa, 5057: 562–570

Type specimens. Holotype: ♀, China, Xinjiang, Shihezi City, The Experimental Farm of Shihezi University, SCAU. Paratypes: 1♀, same data as holotype, SCAU.

Rhamphothrips yunnanensis Li, Liu & Zhang, 2021

Li et al. 2021. Zootaxa, 5039: 425–432

Type specimens. Holotype: ♀, China, Yunnan, Xishuangbanna City, Bubeng County, YNAU. Paratypes: 3♂♂, same data as holotype, YNAU; 1♂, from rubber, YNAU; 1♂, from bamboo, Jinghong City, Nabanhe National Nature Reserve, YNAU.

毛翅目 Trichoptera

Hydropsychidae

Cheumatopsyche yunnana Oláh, Vinçon & Johanson, 2021

Oláh et al. 2021. Opuscula Zoologica (Budapest), 52: 3–196

Type specimens. Holotype: ♂, China, Yunnan, Tongbiguanxiang, Jinzhuzhai, (24°36'55.8"N 97°36'51.1"E, 1450 m), OPC. Paratypes: 50♂♂, same as holotype, HNHM; 49♂♂, OPC.

Diplectrona hongkonga Oláh, Vinçon & Johanson, 2021

Oláh et al. 2021. Opuscula Zoologica (Budapest), 52: 3–196

Type specimens. Holotype: ♂, China, Hong-Kong (Island) Mid-Levels, 150m, BMNH.

Diplectrona parala Oláh, Vinçon & Johanson, 2021

Oláh et al. 2021. Opuscula Zoologica (Budapest), 52: 3–196

Type specimens. Holotype: ♂, China, Guangxi Zhuang Autonomous Region, Shangsi County, Shiwandashan Natural Forest Park, Pearl River above tourist route bridge (21°53.913' N, 107° 54.283' E, 375 m), OPC.

Hydromanicus tibetensis Oláh, Vinçon & Johanson, 2021

Oláh et al. 2021. Opuscula Zoologica (Budapest), 52: 3–196

Type specimens. Holotype: ♂, China, Tibet, Motuo, 80K (29°20'05.3"N 95°19'41.3"E, 1000 m), HIST. Paratypes: 3♂♂, same as holotype, HIST; 2♂♂, same as holotype, OPC.

Diplectrona tienmua Oláh, Vinçon & Johanson, 2021

Oláh et al. 2021. Opuscula Zoologica (Budapest), 52: 3–196

Type specimens. Syntypes: 3♂♂, China, Zhejiang, Tienmu Mt. [=Thianmu Mt.], (30°21'43.2"N 119°30'52.2"E), MPC.

Diplectrona tungpa Oláh, Vinçon & Johanson, 2021

Oláh et al. 2021. Opuscula Zoologica (Budapest), 52: 3–196

Type specimens. Syntypes: 11♂♂, China, Taiwan, von 9 Fundorten aus den Provinzen Taipei, Taitung, Ilan, Tainan, Taichung und Nantou, MPC.

Psychomyiidae

Psychomyia biacicularis Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147 :503–594

Type specimens. Holotype: ♂, China, Hubei, Macheng City, Tong-jian-chong River (31°23'43.63" N, 115°7'21.77" E, 150 m), NJAU. Paratypes: 10♂♂, China, Hubei, Same data as holotype, NJAU; 4♂♂, China, Hubei, Same data as holotype, CUAC.

Psychomyia cuspidata Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147 :503–594

Type specimens. Holotype: ♂, China, Jiangxi, Wuyuan County, Qinghua Town, Qinghuahe (29°25'0.89" N, 117°45'58.92" E, 250 m), NJAU. Paratype: 1♂, China, Jiangxi, same data as holotype, CUAC.

Psychomyia didymos Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147 :503–594

Type specimens. Holotype: ♂, China, Jiangxi, Wuyuan County, Ju-jin-cun, Yuan-tou-xi, 70 km WN of Wu-yi-shan Town (29°27'48.58"N, 117°39'0.12"E, 280 m). Paratypes: 9♂♂, China, Jiangxi, Same data as holotype, NJAU & CUAC.

Psychomyia ensiformis Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147(2) :503–594

Type specimens. Holotype: ♂, China, Sichuan, Xinjin County, Yangma River (30°27'50.28" N, 103°49'48.05" E, 550 m), NJAU. Paratypes: 47♂♂, China, Hubei, Luotian County, Tiantangzhai (31°5'57.31" N, 115°44'1.22" E, 518 m), HUST; 1♂, China, Sichuan, Emeishan City, Yujia River, Jie-tuo-qiao (29°34'56.49"N, 103°26'39.46"E, 479 m), CUAC; 36♂♂, China, Sichuan, Jiangyou County, Rang-shui River (31°46'55.24" N, 104°40'53.33"E, 600 m), NJAU; 9♂♂, same data as holotype, CUAC.

Psychomyia erecta Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147(2) :503–594

Type specimens. Holotype: ♂, China, Chongqing, Jiangjin, Simianshan, Feilong River (28°40'41.04" N, 106°23'55.74" E, 800 m), NJAU.

Psychomyia hirta Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147(2) :503–594

Type specimens. Holotype: ♂, China, Jiangxi, Wuyuan County, Qinghua Town, Qinghuahe (29°25'0.89" N, 117°45'58.92" E, 250 m), NJAU. Paratypes: 9♂♂, China, Jiangxi, same data as holotype, NJAU; 15♂♂, China,

Jiangxi, same data as holotype, CUAC.

Psychomyia humecta Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147(2) :503-594

Type specimens. Holotype: ♂, China, Yunnan, Nanxi River (22°37'33.04" N, 103°56'53.57" E, 300 m), NJAU. Paratypes: 17♂♂, China, Yunnan, Huaping County, Lijiang (26°35'5.06" N, 101°8'27.1" E, 1280 m), NJAU; 22♂♂, Yiliang County, Maopingxiang, Xiaohecun (27°31'55.69" N, 104°1'27.29" E, 940 m), NJAU.

Psychomyia longa Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147(2) :503-594

Type specimens. Holotype: ♂, China, Hubei, Yingcheng City, Dafushui, Tiandian Dam (31°1'55.69" N, 113°26'44.01" E, 40 m), NJAU. Paratypes: 3♂♂, China, Hubei, Same data as holotype, CUAC.

Psychomyia machengensis Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147 :503–594

Type specimens. Holotype: ♂, China, Hubei, Macheng City, Tong-jian-chong River, 27 km N of Macheng downtown (31°23'43.63"N, 115°7'21.77"E, 150 m). Paratypes: 2♂♂, China, Hubei, Luotian County, Tian-tang-zhai (31°5'57.31"N, 115°44'1.22"E, 518 m), HUST; 1♂, China, Hubei, Ma-cheng City, Tong-jianchong River, 27 km N of Ma-cheng downtown (31°23'43.63"N, 115°7'21.77"E, 150 m), CUAC.

Psychomyia polyacantha Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147(2) :503-594

Type specimens. Holotype: ♂, China, Sichuan, Pingwu County, tributary of Fujiang (32°24'43.33"N, 104°45'29.62"E, 1090 m), NJAU. Paratypes: 2♂♂, China, Sichuan, Jiangyou County, Rangshui River, tributary of Fujiang (31°46'55.24"N, 104°40'53.33"E, 600 m), NJAU; 25♂♂, China, Sichuan, Pingwu County, tributary of Fujiang (32°24'43.33"N, 104°45'29.62"E, 1090 m), NJAU; 4♂♂, Wenchuan County, Pitiao River, Wolongxiang (31°2'18.89"N, 103°11'34.74"E, 1900 m), CUAC.

Psychomyia rhombiformis Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147(2) :503-594

Type specimens. Holotype: ♂, China, Chongqing, Jiangjin, Simianshan, Feilong River (28°40'41.04"N, 106°23'55.74"E, 800 m), NJAU. Paratypes: 20♂♂, Chongqing, same data as holotype, NJAU; 1♂, Chongqing, same data as holotype, CUAC.

Psychomyia rivalis Li, Qiu, Morse & Wiberg-Larsen, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147(2) :503-594

Type specimens. Holotype: ♂, China, Fujian, Nanping City, Jianyang, Wufuxi (27°24'6.94"N, 117°49'43.31"E, 620 m), NJAU. Paratypes: 1♂, China, Fujian, Wuyishan City, Chongan, Jiuquxi (27°39'11.17"N, 117°56'27.26"E, 230 m), NJAU; 4♂♂, China, Jiangxi, Guixi County, Xixi Rive (29°12'8.21"N, 117°14'54.99"E, 30 m), NJAU; 10♂♂, China, Jiangxi, Guixi County, Xixi Rive (29°12'8.21"N, 117°14'54.99"E, 30 m), CUAC; 1♂, China, Guizhou, Xishui County, Taipingdu, Chishui River (28°8'28.354"N, 106°2'9.25"E, 315 m), NHMD; 4♂♂, China, Guizhou, Xishui County, Datianpo, Chishui River (28°15'25.36"N, 105°59'53.25"E, 291 m), MHND.

Psychomyia similis Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147(2) :503-594

Type specimens. Holotype: ♂, China, Anhui, Jing County, Songcun, Tingxi River, Qingyi River (30°38'32.73"N, 118°35'44.23"E, 120 m), NJAU.

Psychomyia tortispina Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147(2) :503-594

Type specimens. Holotype: ♂, China, Hubei, Macheng City, Zhengshui River (31°5'16.67"N, 115°11'14.84"E, 250 m), NJAU.

Psychomyia trilobata Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147(2) :503-594

Type specimens. Holotype: ♂, China, Sichuan, Wenchuan County, Pitiao River, Wolongxiang (31°2'18.89"N, 103°11'34.74"E, 1900 m), NJAU. Paratype: 1♂, China, Sichuan, Dujiangyan County (31°1'16.36"N, 103°35'8.88"E, 790 m), CUAC.

Psychomyia valida Li, Qiu & Morse, 2021

Qiu & Morse. 2021. Transactions of the American Entomological Society, 147(2) :503-594

Type specimens. Holotype: ♂, China, Anhui, She County, Yangjiatan, Fengyuanshui (30°1'11.40"N, 118°17'50.40"E, 215 m), NJAU. Paratypes: 21♂♂, China, Anhui, same data as holotype, NJAU; 2♂♂, China, Anhui, She County, Yanyuan Town, Huangbaishancun (30°5'56.40"N, 118°21'32.40"E, 717 m), CUAC.

Rhyacophilidae

Rhyacophila uriel Malicky, 2021

Malicky. 2021. Braueria, 48: 43–45.

Type specimens. Holotype, China, Sichuan.

附录 2 本研究所涉及模式标本保藏地点的中英文名称及缩写
Appendix 2 List of abbreviation, Chinese and English names of deposit sites of type specimens in this study

发表文献中列出标本存放地名称 Names of deposit sites in primary literatures	当前存放单位英文名称 English name of current deposit sites	发表文献中列出标本存放地中文名称 Chinese name of current deposit sites	名称缩写 Abbreviation	存放物种数 Number	属性 Property
Key Laboratory of Zoology, Hunan University of Arts and Science, Hunan, China	Hunan University of Arts and Science, Hunan, China	湖南文理学院	HUAS	2	高校
Nantong University, Jiangsu, China	Nantong University, Jiangsu, China	南通大学	NTU	6	高校
Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, Jilin, China	Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, Jilin, China	中国科学院东北地理与农业生态研究所	NEIGA	1	科研院所
Museu de Ci ències Naturals de Barcelona, Barcelona, Spain	Museu de Ci ències Naturals de Barcelona, Barcelona, Spain	巴塞罗那自然科学博物馆	MZB	2	博物馆
College of Life Sciences, Nanjing Normal University, Jiangsu, China	Nanjing Normal University, Jiangsu, China	南京师范大学	NNU	3	高校
Insect Collection, South China Agricultural University, Guangzhou, China	South China Agricultural University, Guangzhou, China	华南农业大学	SCAU	3	高校
Institute of Entomology, Guizhou University, Guizhou, China	Guizhou University, Guizhou, China	贵州大学	GUGC	41	高校
School of Karst Science, Guizhou Normal University, Guizhou, China	Guizhou Normal University, Guizhou, China	贵州师范大学	GZNU	12	高校
School of Life Sciences, Guizhou Normal University, Guizhou, China					
the Entomological Museum, Northwest A&F University, Shaanxi, China	Northwest A&F University, Shaanxi, China	西北农林大学	NWAFU	19	高校
Institute of Entomology, Nankai University, Tianjin, China	Nankai University, Tianjin, China	南开大学	NKU	3	高校
Natural History Museum, London, UK	Natural History Museum, London, UK	伦敦自然历史博物馆	BMNH	9	博物馆
Insect Collection of Zhejiang Agriculture & Forestry University, Zhejiang, China	Zhejiang Agriculture & Forestry University, Zhejiang, China	浙江农林大学	ZAFU	1	高校
Shanghai Entomological Museum, Chinese Academy of Sciences, Shanghai, China	Shanghai Entomological Museum, Chinese Academy of Sciences, Shanghai, China	中国科学院上海昆虫博物馆	SHEM	6	科研院所
Department of Entomology, National Taiwan University, Taiwan, China	National Taiwan University, Taiwan, China	台湾国立大学	NATAU	1	高校

National Zoological Museum of China, Institute of Zoology, Chinese Academy of Sciences, Beijing, China	Institute of Zoology, Chinese Academy of Sciences, Beijing, China	中国科学院动物研究所	IZCAS	14	科研院所
Zoological Collection, Jiangsu Second Normal University, Jiangsu, China	Jiangsu Second Normal University, Jiangsu, China	江苏第二师范大学	JSSNU	1	高校
Museum of Biology, Sun Yat-sen University, Guangzhou, China	Sun Yat-sen University, Guangzhou, China	中山大学	SYSBM	1	高校
Entomological Laboratory, Faculty of Agriculture, Kyushu University, Fukuoka, Japan	Kyushu University, Fukuoka, Japan	九州大学	ELKU	3	高校
Kyushu University Museum, Fukuoka, Japan					
Department of Entomology, National Chung Hsing University, Taiwan, China	National Chung Hsing University, Taiwan, China	中兴大学	NCHU		高校
National Museum of Natural Science, Taiwan, China	National Museum of Natural Science, Taiwan, China	国立自然科学博物馆	NMNS	5	博物馆
National Museum, Prague, Czech Republic	National Museum, Prague, Czech Republic	布拉格国家博物馆	NMP	3	博物馆
Laboratory of Entomology, Department of Agriculture, Tokyo University of Agriculture, Kanagawa, Japan	Tokyo University of Agriculture, Kanagawa, Japan	东京农业大学	TUA	1	高校
Entomological Museum of China Agricultural University, Beijing, China	China Agricultural University, Beijing, China	中国农业大学	CAU	34	高校
Insect Collection of Research Institute of Resources Insects, Chinese Academy of Forestry, Yunnan, China	Research Institute of Resources Insects, Chinese Academy of Forestry, Yunnan, China	中国林业科学研究院资源昆虫研究所	RIRICAF	1	科研院所
Zoological Institute of the Russian Academy of Sciences, St. Petersburg, Russia	Zoological Institute of the Russian Academy of Sciences, St. Petersburg, Russia	俄罗斯科学院动物研究所	ZINRAS	1	科研院所
Institute of Zoology, Guangdong Academy of Sciences, Guangzhou, China	Institute of Zoology, Guangdong Academy of Sciences, Guangzhou, China	广东省科学院动物研究所	IZGAS	13	科研院所
Nanjing Forestry University, Nanjing, China	Nanjing Forestry University, Nanjing, China	南京林业大学	NFU	1	高校
College of Plant Health and Medicine, Qingdao Agriculture University, Shandong, China	Qingdao Agriculture University, Shandong, China	青岛农业大学	QAU	2	高校
Biological Science Museum, Dali University, Yunnan, China	Dali University, Yunnan, China	大理大学	DALU	28	高校
Institute of Entomocetics Research, Dali University, Yunnan, China					
California Academy of Sciences, California, USA	California Academy of Sciences, California, USA	加利福尼亚州科学院	CASC	1	科研院所

Natural History Museum Vienna, Vienna, Austria	Natural History Museum Vienna, Vienna, Austria	维也纳自然史博物馆	NMW	1	科研院所
Natural Museum of Hebei University, Hebei, China	Hebei University, Hebei, China	河北大学	HBU	27	高校
College of Life Sciences, Hebei University, Hebei, China					
Guangxi Normal University, Guangxi, China	Guangxi Normal University, Guangxi, China	广西师范大学	GXNU	15	高校
Guangxi Normal University Museum of Biological Diversity, Guangxi, China					
Zoological and Botanical Museum, Shaanxi Normal University, Shaanxi, China	Shaanxi Normal University, Shaanxi, China	陕西师范大学	SNNU	24	高校
Museum of Flora and Fauna of Shaanxi Normal University, Shaanxi, China					
Museum of Biology, East China Normal University, Shanghai, China	East China Normal University, Shanghai, China	华东师范大学	ECNU	19	高校
College of Life Science, Leshan Normal University, Sichuan, China	Leshan Normal University, Sichuan, China	乐山师范大学	LNU	1	高校
College of Plant Protection, Shandong Agricultural University, Shandong, China	Shandong Agricultural University, Shandong, China	山东农业大学	SAU	1	高校
Insect Collection of College of Life Sciences, Xinyang Normal University, Henan, China	Xinyang Normal University, Henan, China	信阳师范大学	XNU	1	高校
Northwest Plateau Institute of Biology, Chinese Academy of Sciences, Qinghai, China	Northwest Plateau Institute of Biology, Chinese Academy of Sciences, Qinghai, China	中国科学院西北高原生物研究所	NPIBCAS	1	科研院所
Entomological Museum of Hechi University, Guangxi, China	Hechi University, Guangxi, China	河池大学	EMHU	6	高校
Faculty of Conservation Biology, Southwest Forestry University, Yunnan, China	Southwest Forestry University, Yunnan, China	西南林业大学	SWFU	1	高校
Kunming Natural History Museum of Zoology, Chinese Academy of Sciences, Yunnan, China	Kunming Institute of Zoology, Chinese Academy of Sciences, Yunnan, China	中国科学院昆明动物研究所	KIZCAS	3	科研院所
Montreal Insectarium, Québec, Canada	Montreal Insectarium, Québec, Canada	蒙特利尔昆虫博物馆	IMQC	1	博物馆
Hong Kong Entomological Society, Hong Kong, China	Hong Kong Entomological Society, Hong Kong, China	香港昆虫学会	HKES	17	其他

Sichuan Agricultural University, Sichuan, China	Sichuan Agricultural University, Sichuan, China	四川农业大学	SICAU	1	高校
Insect Collection of Henan Institute of Science and Technology, Henan, China	Henan Institute of Science and Technology, Henan, China	河南科技学院	HIST	23	高校
Insect Collection of Yangzhou University, Jiangsu, China	Yangzhou University, Jiangsu, China	扬州大学	ICYZU	12	高校
Insect Collection of Jiangsu University of Science and Technology, Jiangsu, China	Jiangsu University of Science and Technology, Jiangsu, China	江苏科技大学	ICJUST	1	高校
Department of Zoology, Hungarian Natural History Museum, Budapest, Hungary	Hungarian Natural History Museum, Budapest, Hungary	匈牙利自然历史博物馆	HNHM	5	博物馆
Yunnan Institute of Parasitic Diseases, Yunnan, China	Yunnan Institute of Parasitic Diseases, Yunnan, China	云南省寄生虫病防治所	YIPD	2	科研院所
School of Bioscience and Engineering, Shaanxi University of Technology, Shaanxi, China	Shaanxi University of Technology, Shaanxi, China	陕西科技大学	SUT	1	高校
Yunnan Agricultural University, Yunnan, China	Yunnan Agricultural University, Yunnan, China	云南农业大学	YNAU	3	高校
Australian National Insect Collection, Canberra, Australia	Australian National Insect Collection, Canberra, Australia	澳大利亚国家昆虫收藏	ANIC	1	其他
Department of Plant Protection, Nanjing Agriculture University, Jiangsu, China	Nanjing Agriculture University, Jiangsu, China	南京农业大学	NJAU	15	高校
Arthropod Collection, Clemson university Arthropod Collection, South Carolina, USA	Clemson University, South Carolina, USA	克莱姆森大学	CUAC	10	高校
College of Life Science and Technology, Huazhong University of Science and Technology, Hubei, China	Huazhong University of Science and Technology, Hubei, China	华中科技大学	HUST	2	高校
Nature History Museum of Denmark, Copenhagen, Denmark	Nature History Museum of Denmark, Copenhagen, Denmark	丹麦自然历史博物馆	NHMD	1	科研院所
Post-Entry Quarantine Station for Tropical Plant, Hainan, China	Post-Entry Quarantine Station for Tropical Plant, Hainan, China	海南出入境检验检疫局热带植物隔离检疫中心	PQSTP	1	其他
Institute of Entomology, Southwest University, Chongqing, China	Southwest University, Chongqing, China	西南大学	SWU	14	高校

Medical Insect Collection of Institute of Microbiology and Epidemiology, Academy of Military Medical Sciences, Beijing, China	Academy of Military Medical Sciences, China, Beijing, China	中国人民解放军军事医学研究院微生物流行病学研究所	AMMS	1	科研院所
Collection of Chao Wu, Beijing		Chao Wu 个人收藏	CWC	3	个人
Collection of Jia-Zhi Zhang, Shanghai		Jia-Zhi Zhang 个人收藏	CJZ	2	个人
Malicky Private Collection, Lunz am See, Austria		Malicky 个人收藏	MPC	2	个人
Collection of Hubert Rausch and Renate Rausch		Hubert Rausch、Renate Rausch 个人收藏	CHRR	1	个人