



•生物编目• 2020年新物种专题

中国半翅目等29目昆虫2020年新分类单元

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摘要: 以中国半翅目等29目昆虫类群(除鞘翅目、双翅目、鳞翅目、膜翅目之外的其他目)为研究对象, 基于2020年度发表的新分类单元与文献资料, 编制了物种名录, 分析了新分类单元的地理分布与模式标本存放情况等。2020年, 中国半翅目等29目昆虫共描述349个新分类单元, 包括新属35个, 新种311个, 新亚种3个; 新种发表的热点地区在我国的西南山地及其邻近地区。模式标本存放单位多达69家, 其中正模标本主要存放在国内保藏机构, 而境外机构保藏的标本较少且以副模标本为主。本年度描述的349个新分类单元由356位作者所贡献, 共发表文献182篇; *Zootaxa*和*ZooKeys*是发表的主要期刊。本次调查为进一步深入研究物种演化的时空格局及生物多样性保护提供了基础数据。同时, 由于人类面临生物多样性急剧下降的威胁, 应加快大数据平台的建设及其多样化信息的挖掘, 支撑生物多样性的研究和保护。

关键词: 生物多样性信息学; 半翅目; 直翅目; 新分类单元; 中国

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Annual report of new taxa for Chinese Hemiptera and 28 other orders of Insecta in 2020

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ABSTRACT

Aims: This study aims to summarize the new taxa of Chinese Hemiptera and 28 other orders of Insecta (i.e., orders other than Coleoptera, Diptera, Lepidoptera, and Hymenoptera) in 2020.

Methods: We collected information about newly described taxa, including new genera, species, and subspecies for Chinese Hemiptera and 28 other insect orders in 2020 by searching journals and the Zoological Record database. Based on the described taxa and published literature, we compiled a catalogue of type specimens and a bibliography for new species of Chinese Hemiptera and other insects described in 2020. We also analyzed the biodiversity information provided by type specimens, such as authors, locations, and preservation sites.

Results: In 2020, a total of 349 new taxa, including 35 new genera, 311 new species, and 3 new subspecies, were described in Chinese Hemiptera and 28 other insect orders. The hotspots for the new species described were in Southwest China and the adjacent areas. Additionally, there are as many as 69 institutions that are designated for the deposition of type specimens; within these, the holotype was primarily collected in domestic collection institutions. In contrast, there were relatively few type specimens collected by foreign institutions, and those collected were mainly paratypes. The 349 new taxa described this year were contributed by 356 authors, and a total of 182 articles were published. *Zootaxa* and *ZooKeys* were the main publication journals for these descriptions.

Conclusion: This study provides baseline data for further in-depth studies in the temporal and spatial patterns of species evolution and biodiversity protection in China. Moreover, in the face of today's rapidly declining biodiversity, we should accelerate the construction of data platforms and the integration of diverse information sources to strengthen the biodiversity research and protection.

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标本采集和物种描述是认识和记录地球生物多样性的的重要途径之一。生物标本往往是有机体形态、生态以及遗传多样性等特征的载体,并同时兼有时间(采集时间)、空间(采集地点)以及性状等三大属性数据,具有重要的科研价值(Andrew et al, 2019)。因此,生物标本的采集、描述以及保存可以极大地推进以生物分类学为基础的众多研究领域的蓬勃发展,如宏进化、宏生态以及保护生物学等(Nelson & Ellis, 2019)。近年来,随着生物多样性信息学的快速发展,越来越多的标本资源被数字化,并可通过数据共享平台公开获取,这极大地促进了物种的发现、描述以及生物多样性研究等领域的发展(王昕等, 2017)。然而,在拥有海量数据的大型生物多样性数据库中,中国生物多样性的信息并不多。以全球生物多样性信息网络(Global Biodiversity Information Facility, GBIF; <http://www.gbif.org/>)为例,截止到2021年3月31日,已涵盖16亿条分布数据,而中国仅有0.5亿条,这在一定程度上限制了人们对中国生物多样性的了解。

中国作为全球生物多样性最丰富的国家之一,拥有37,793种植物、54,359种动物和12,506种真菌(The Biodiversity Committee of Chinese Academy of Sciences, 2020),并有较高的植物和脊椎动物特有性。在36个全球生物多样性热点地区中(<https://www.conservation.org/priorities/biodiversity-hotspots/>),有4个全部或者部分分布在中国(中国西南山区、喜马拉雅山脉地区、印度-缅甸地区以及中亚山区)。此外,青藏高原隆升及其引起的环境异质性和东亚季风的形成(Molnar et al, 2010),为东亚的物种分化及其在剧烈的气候波动中维持多样性提供了有力的保障(Xing & Ree, 2017)。与同纬度的欧洲和北美洲地区相比,中国拥有最多样化的生物类群(Qian et al, 2017)。现在中国生物标本馆(博物馆)的标本藏量不断扩大(贺鹏等, 2019),生物多样性研究也不断取得新的突破(Mi et al, 2021)。

昆虫是地球上生物多样性的的重要组成部分,无论遗传多样性、物种多样性、性状和功能多样性都是最丰富的生物类群。然而,对于昆虫的研究宽度与深度,与高等植物、脊椎动物等类群相比都明显

落后。据估计全球约有昆虫550万种(Stork et al, 2015),而已定名和描述的仅有约100万种,近80%的昆虫物种迄今尚未被认知或记录(Stork, 2018)。对于生物资源极为丰富的中国而言,自新中国成立以来,昆虫分类学研究的发文量由早期的每年几十篇到如今的每年至少500篇,每年发表新种数量也翻了20多倍(图1)。这不仅得益于我国拥有一支强大的分类学研究队伍,还得益于国家对基础研究工作的的大力支持。但是,值得注意的是,自2010年以后,每年发表的分类学文章以及新分类单元的数量均呈现缓慢下降的趋势(图1)。这一现象对存在许多尚未被发现和描述的昆虫类群及其学科的发展来说是不利的。随着全球人口的激增,伴随而来的高强度的人类活动对自然生态系统带来了巨大影响(Newbold et al, 2015),而人类世的人为活动也对昆虫的多度、生物量、物种多样性以及分布区大小都带来了极大的负面效应(Wagner et al, 2021)。近几十年,我国生物多样性也受到严重的威胁(魏辅文等, 2014)。考虑到目前人为介导的高物种灭绝率(Wagner et al, 2021)以及许多尚未被记录的物种及其栖息地可能在被发现之前就已经消失(Barnosky et al, 2011),我们需要在中国开展与生物调查和物种描述与定名工作相关的物种年度总结,以进一步推动数据共享平台的建设,并为评估人类活动对生物多样性的影响奠定基础。

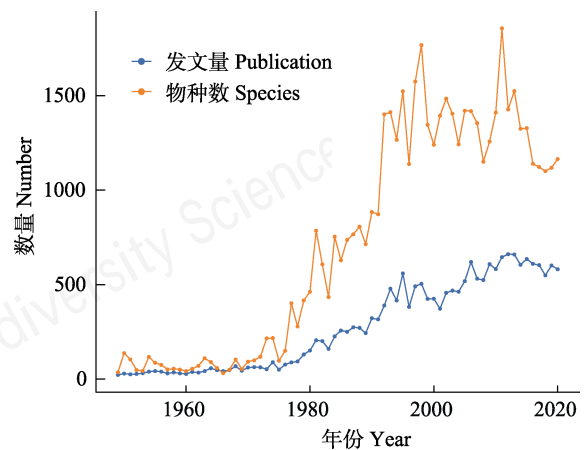


图1 1949年以来中国昆虫年度发表文章数量及新种数量
Fig. 1 Annual numbers of publication and new species for Chinese insects since 1949

表1 本研究关注的类群及其2020年度发表新类群的情况
Table 1 The taxa involved in this research and the basic status of new taxa published in 2020

目 Order	新属 New genus	新种及新亚种 New species and subspecies	总计 Total
半翅目 Hemiptera	16	91	107
直翅目 Orthoptera	12	76	88
襜翅目 Plecoptera	3	44	47
毛翅目 Trichoptera	0	15	15
蜚蠊目 Blattodea	0	14	14
蝻目 Phasmatodea	1	12	13
虱目 Phthiraptera	2	10	12
弹尾目 Collembola	1	10	11
缨翅目 Thysanoptera	0	10	10
长翅目 Mecoptera	0	9	9
脉翅目 Neuroptera	0	8	8
蜉蝣目 Ephemeroptera	0	4	4
螳螂目 Mantodea	0	4	4
蜻蜓目 Odonata	0	3	3
原尾目 Protura	0	2	2
革翅目 Dermaptera	0	1	1
蚤目 Siphonaptera	0	1	1
双尾目 Diplura	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
螳蝻目 Mantophasmatodea	0	0	0
纺足目 Embioptera	0	0	0
缺翅目 Zoraptera	0	0	0
啮虫目 Psocoptera	0	0	0
广翅目 Megaloptera	0	0	0
蛇蛉目 Raphidioptera	0	0	0
捻翅目 Strepsiptera	0	0	0
总计 Total	35	314	349

本研究以半翅目等29目昆虫类群(除鞘翅目、双翅目、鳞翅目、膜翅目等昆虫纲四大目之外的类群)为研究对象(表1),以隐藏在模式标本中重要的生物多样性信息(如命名人、采集地点等)为基础,总结2020年度我国半翅目等29目昆虫新分类单元的描述与发表情况,编制名录,评估物种组成并对标本存放数据进行初步分析,从而揭示我国半翅目等29目昆虫的物种多样性、生物资源调查与研究的广度和深度,并在一定程度上反映昆虫分类学的发展趋势。

1 材料与方法

基于世界上历史最悠久且至今仍在不断更新的动物学记录数据库(Zoological Record, ZR),系统检索和编汇2020年度发表的中国半翅目等29目昆虫的物种名称,数据统计时间截止到2021年3月1日。鉴于ZR数据库对国内刊物的收录稍微滞后的现状,本研究对2020年度发表在《昆虫分类学报》《动物分类学报》等国内期刊上的新分类单元进行了单独检索。通过筛选和整理,共获得2020年度半翅目等昆虫新分类单元名称630条,其中每条数据包含物种分类阶元、命名人、标本采集信息(数量、正模、副模、采集地理位置、保藏单位等),以及文献发表时间和期刊信息等。对于缺少经纬度的采集信息,使用Google Earth进行搜索;基于200 km × 200 km的栅格对该年度发表新种分布的热点地区进行可视化。同时,为反映1990–2020年整个昆虫纲发表新种的地理分布趋势,以中国34个省级行政区为地理操作单元,对31年整个昆虫纲每年发表新种的分布数据进行了整理(注:1990年以前,ZR数据库中地理分布信息常以China标注,而没有细分到34个省级行政区,故只进行了该期间每年发表新种的统计)。

2 结果与分析

2.1 2020年度发表新分类单元的基本状况

经统计,2020年度中国半翅目等29目昆虫共描述349个新分类单元,包括新属35个,新种311个,新亚种3个(附录1)。在所统计的29目昆虫类群中,描述的新分类单元主要集中在半翅目、直翅目和襜翅目,分别描述了107个、88个和48个新分类单元,分别占总数的31%、25%和14%(表1)。而有12个目我国在2020年度没有发表新分类单元,主要是一些较为原始且中国记录种类少的类群,如石蛎目、衣鱼目和纺足目等。

发表的35个新属隶属于6目16科。描述新属最多的为半翅目和直翅目,其次为虱目和襜翅目,弹尾目和蝻目分别描述了1个新属。其中,11个属的描述和建立是基于详实的形态特征和分子数据。

发表的314个新种和新亚种隶属于76科和183属。以科为单位统计发现,新种描述最多的科是半翅目叶蝉科,共描述38个新种及新亚种(表2)。由于该类群为植食性昆虫,危害多种经济作物,而且国

内有多团队从事该科的系统分类, 因此该类群得到更多的关注。以属为单位统计发现, 描述新种和新亚种最多的为直翅目的裸灶螽属(*Tachycines*), 共发表了12个新种。

在2020年度发表新种的研究中, 大多数是基于传统形态学研究, 从整合分类(如分子、生态以及形态等多证据)的角度对某个类群系统厘定的研究较少。其中, 仅有24个新种在发表时提供了分子序列。在这些物种发表时, 常用的分子标记为线粒体基因 *COI*、*Cytb*、18S rRNA、28S rRNA, 以及核基因18S rDNA和28S rDNA。其中, Li等(2020)提供了完整的线粒体基因组数据。基于分子数据的物种界定分析中, 常用的方法为基于单位点的界定方法, 如ABGD (Automatic Barcode Gap Discovery)、GMYC (General Mixed Yule Coalescent)等; 而相对更加稳健的基于多物种溯祖理论的BPP (Bayesian Phylogenetics and Phylogeography programme)方法在昆虫物种界定的研究中应用较少。近年来, 基于整合框架的物种界定越来越受到关注(Padial et al,

2010; Fujita et al, 2012)。因此, 分类学家应该给予整合分类更多的重视以应对未来的挑战。

2.2 中国新物种的地理分布

统计1990–2020年整个昆虫纲每年发表的新物种发现, 新种主要分布在在我国的西南(如云南、四川、贵州等)及其邻近地区(如西藏、广西和陕西等)(图2a)。同时, 台湾岛和海南岛等岛屿, 以及浙江、福建和广东等东南沿海地区也发现了较多的新物种。其中, 云南发表的新种多达7,688种, 其次是四川(5,767种)、台湾(4,117种)、贵州(1,953种)和西藏(1,897种)。而华北地区在这31年间发表新种的数量较少, 如河北和山东分别描述了217个和122个新种。总的来说, 物种发表数量从西南到东北呈现减少趋势。

2020年度发表的半翅目等29目昆虫的新种主要分布在云南、广西、贵州、海南和四川(图2b)。西南山地是发现新物种最多的区域, 其中云南发现了101个新种和3个新亚种, 占2020年度29目昆虫新种数量的1/3; 贵州和四川分别发表了33个和22个

表2 2020年发现5个以上新物种的科和属

Table 2 The families and genera that discovered more than five new species in 2020

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	6	38	44	疾灶螽属 <i>Tachycines</i>	12
螽斯科 Tettigoniidae	5	26	31	褶翅螽属 <i>Anaplecta</i>	8
襁科 Perlidae	0	19	19	倍叉襁属 <i>Amphinemura</i>	7
叉襁科 Nemouridae	1	16	17	拟大磨蚱属 <i>Macromotettixoides</i>	7
驼螽科 Rhabdophoridae	0	16	16	纺织娘属 <i>Mecopoda</i>	7
蚱科 Tetrigidae	1	14	15	刺异螽属 <i>Oxyartes</i>	6
瓢蜡蝉科 Issidae	4	9	13	塔氏小叶蝉 <i>Takagioma</i>	6
笛螽科 Diapheromeridae	0	10	10	叶蛾蜡蝉属 <i>Atracis</i>	5
褶翅螽科 Anaplectidae	0	8	8	多突石蛾属 <i>Ceraclea</i>	5
扁蜡蝉科 Aradidae	3	5	8	零叶蝉属 <i>Limassolla</i>	5
蛉蟋科 Trigonidiidae	4	4	8	束长蜡属 <i>Malcus</i>	5
长角鸟虱科 Philopteridae	2	6	8		
网襁科 Perlodidae	2	6	8		
菱蜡蝉科 Cixiidae	0	7	7		
长角石蛾科 Leptoceridae	0	7	7		
管蓟马科 Phlaeothripidae	0	6	6		
姬螽科 Ectobiidae	0	5	5		
蛾蜡蝉科 Flatidae	0	5	5		
束长蜡科 Malcidae	0	5	5		
蝎蛉科 Panorpidae	0	5	5		

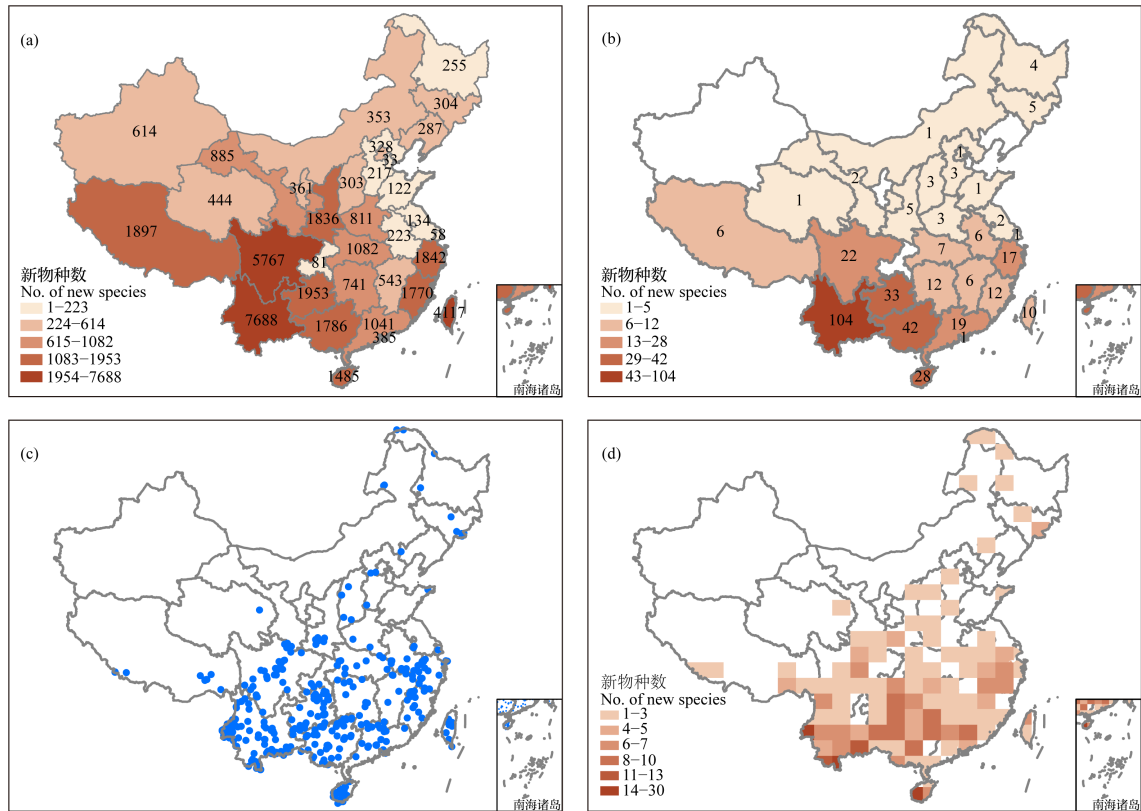


图2 中国昆虫新物种的地理分布。(a) 1990–2020年中国各省发现的昆虫新物种数量；(b) 2020年度半翅目等29个目各省发现的物种数量；(c) 2020年度半翅目等29个目新物种分布点；(d) 2020年度半翅目等29个目新物种在200 km × 200 km的分布格局。

Fig. 2 Geographical distribution of new insect species in China. (a) The numbers of new insect species discovered in various provinces of China from 1990 to 2020; (b) The numbers of species discovered in each province for Hemiptera and 28 other orders of Insecta in 2020; (c) The occurrences of new species of Hemiptera and 28 other orders of Insecta in 2020; (d) Distribution pattern of new species of Hemiptera and 28 other orders of Insecta under the 200 km × 200 km grid cells.

新种。其次，我国南方沿海地区也是新物种发现的主要区域，广西、海南和广东分别发表42个、28个和19个新种。基于200 km × 200 km的栅格尺度，2020年度中国半翅目等29目昆虫新种发表的热点地区为云南西部的中缅边境和南部的西双版纳地区(图2c, d)。

无论是基于31年整个昆虫纲新种地理分布还是2020年度物种发表结果，西南山地都是昆虫新种发现的热点地区之一(图2)。中国西南山地是全球36个生物多样性保护热点地区之一，西起藏东南，向北延伸至川西地区，横亘云南中北部。该地区具有独特的异质性地形和复杂的区系历史，是东亚地区物种多样性的“物种泵”(species pump)和/或“物种博物馆”(species museum)(雷富民等, 2021)，为从宏进化和宏生态角度探讨成种机制提供了有利条件。然而该地区的生物多样性数据仍十分缺乏(Mi

et al, 2021)，尤其是该地区昆虫的相关研究十分薄弱。尽管本研究仅基于昆虫新种发表的数据，但无论是基于单年份还是跨越30余年时间尺度的数据，均发现该地区具有非常高的昆虫物种多样性。因此，未来应加强在西南山地以昆虫为研究对象，从不同的时空尺度来探讨物种起源和演化问题的研究。另外，值得注意的是，与高等植物和脊椎动物相比，昆虫缺乏物种的保护等级评估，从而影响了生物多样性热点地区保护优先权的制定。因此，我们应加强对昆虫物种的保护等级评估，并在今后制定保护计划和管理时给予昆虫类群更多的关注。

2.3 模式标本存放情况

博物馆标本往往可以同时体现时间、空间以及性状等3个方面的属性。因此在生物多样性、全球气候变化以及环境健康等研究领域发挥着重要作用(贺鹏等, 2021)。而模式标本在包含博物馆标本的

自然属性和应用之外,其馆藏量还反映了一个国家或地区分类学研究的水平和关注度。

2020年度发表的中国半翅目等29目昆虫模式标本存放地比较分散,多达69处(附录2)。主要保藏机构包括39家高校、11个科研院所和11个博物馆,以及4个人保藏地和4个其他类型的保藏地。从保藏标本的类型来看,正模标本主要存放在国内的保藏机构,境外机构保藏的标本较少且以副模标本为主。其中,模式标本保藏数量前三位的单位均为高校,即西北农林科技大学、贵州大学和河北大学,分别保藏了43种、32种和30种。在这3所高校中,保藏的模式标本类群有所不同,体现了这些高校的研究团队分别关注不同的研究类群。其中,西北农林科技大学保藏的主要为半翅目和长翅目,以及少数的螳螂目模式标本;贵州大学保藏的主要为半翅目和直翅目;而河北大学则以直翅目为主。模式标本保藏较多的科研单位以中国科学院为主,其中中国科学院动物研究所有16种,中国科学院上海昆虫博物馆有12种。私人保藏的标本较少,总计6种,且以国内藏家为主。

以类群划分来看,半翅目模式标本的保藏单位涉及23个,以西北农林科技大学和贵州大学保藏的模式标本最多,分别为34种和28种。76种直翅目模式标本共涉及18个保藏单位,其中河北大学保藏了30种,占39%;其次是中国科学院动物研究所有9种。而襀翅目模式标本的保藏单位主要在河南科技

学院、中国农业大学和江苏科技大学,分别保藏了20种、10种和9种。其他类群模式标本存放见附录2。

2.4 发表新分类单元的学者和研究单位

2020年,共有356个作者参与了中国半翅目等29目昆虫的349个新分类单元的描述与发表。其中中国学者294位,外籍学者62位。参与发表10个以上新种的学者有11人(表3),他们主要来自国内不同的高校。参与发表新种最多的学者是西北农林科技大学的张雅林(Yalin Zhang),本年度共描述和发表了33个新种,他主要关注半翅目昆虫,同时也涉及了螳螂目的物种。此外,参与发表了2-4个新物种的学者有78位;仅参与发表1个新类群的作者占74%。

2.5 发表新种的刊物

2020年,发表的中国半翅目等29目昆虫349个新分类单元共涉及182篇论文以及16个国际与国内期刊(附录1)。其中约91%的文章发表在*Zootaxa*、*ZooKeys*、《昆虫分类学报》以及*European Journal of Taxonomy* 4种期刊上(图3),剩下12本期刊则发表了其余9%的相关文献。2020年度共171篇文献(占总发文量的92%)发表在科学引文索引(SCI; Anonymous, 2021)收录的刊物上;而非SCI索引收录的中、英文刊物发文量较少,分别仅发表了24篇和4篇。

由新西兰Magnolia出版社于2001年创立的专门针对动物分类学的国际同行评审期刊*Zootaxa*发表了130篇文献和214种及种下阶元新分类单元(占总数的68%)。该期刊发表周期短,受到大多数分类学

表3 2020年发表10个以上新物种的学者统计

Table 3 Statistics of authors who published more than 10 new species for Hemiptera and 28 other orders of Insecta in 2020

姓名 Names	单位 Institutions	关注类群 Research groups	发文量 No. of publications	新种及亚种 No. of species and subspecies
张雅林 Yalin Zhang	西北农林科技大学 Northwest A & F University	半翅目、螳螂目 Hemiptera and Mantodea	10	33
李卫海 Weihai Li	河南科技学院 Henan Institute of Science and Technology	襀翅目 Plecoptera	22	28
莫娆娆 Raorao Mo	广西大学 Guangxi University	襀翅目 Plecoptera	14	17
王国全 Guoquan Wang	广西大学 Guangxi University	襀翅目 Plecoptera	13	16
石福明 Fuming Shi	河北大学 Hebei University	直翅目 Orthoptera	6	15
陈祥盛 Xiangsheng Chen	贵州大学 Guizhou University	半翅目 Hemiptera	8	14
杨琳 Lin Yang	贵州大学 Guizhou University	半翅目 Hemiptera	8	14
杨定 Ding Yang	中国农业大学 China Agricultural University	襀翅目 Plecoptera	10	13
吴超 Chao Wu	中国科学院动物研究所 Institute of Zoology, Chinese Academy of Sciences	直翅目、螳螂目 Orthoptera and Mantodea	5	11
邓文波 Wenbo Deng	西南大学 Southwest University	蜚蠊目 Blattodea	2	11
陈志腾 Zhiteng Chen	江苏科技大学 Jiangsu University of Science and Technology	襀翅目 Plecoptera	9	10

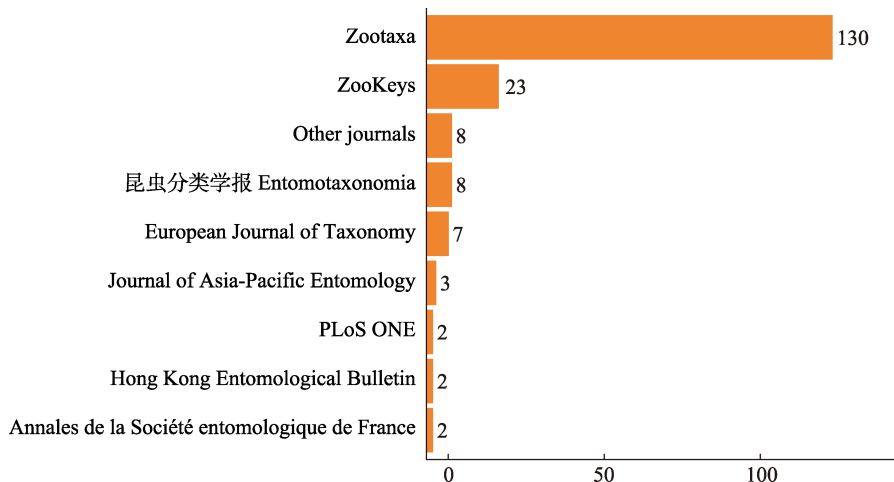


图3 2020年发表中国半翅目等29个目昆虫新分类单元的期刊

Fig. 3 The journals that published new taxa of Chinese Hemiptera and 28 other orders of Insecta in 2020

家的青睐，为加速对生物多样性的认知和保护等做出了非常重要的贡献。另一经典的分类学杂志 *ZooKeys* 同样在发表新分类单元中扮演着重要的角色，该刊物在2020年度共发表23篇文章，包括32个新种。在非SCI索引的中文刊物中，《昆虫分类学报》在2020年度发文量最多。*Hong Kong Entomological Bulletin* 发文量较少，仅2篇，但发表的新种最多，这两篇文章主要是对中国地区螞蟥目的长角枝亚科（笛螞蟥科）和螞蟥科的副厚螞蟥属（*Parapachymorpha*）进行了非常系统的厘定（Ho et al, 2020a, b）。

综上，本文基于2020年所发表的中国半翅目等29目昆虫的文献及其标本，对隐藏在其中的多样化的生物信息数据进行了挖掘和整理，为进一步深入研究物种演化的时空格局及生物多样性的保护提供了基础。目前，昆虫多样性的研究仍相对落后，需加强培育中国昆虫分类学的研究队伍，增强标本采集等生物多样性调查与研究，并积极挖掘生物标本中隐藏的科学数据，关注生物多样性信息学的研究和发展，推进数字化共享平台的建设。

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附录 Supplementary Material

附录1 中国半翅目等29目昆虫2020年度新种模式标本与文献名录

Appendix 1 List of type specimens and bibliography of new species of Chinese Hemiptera and 28 other orders of Insecta in 2020
<https://www.biodiversity-science.net/fileup/PDF/2021200-1.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/2021200-2.pdf>

附录1 中国半翅目等29目昆虫2020年度新种模式标本与文献名录

Appendix 1 List of type specimens and bibliography of new species of Chinese Hemiptera and 28 other orders of Insecta in 2020

蜚蠊目 **Blattodea**

Anaplectidae

Anaplecta arcuata Deng & Che, 2020

Deng et al. 2020. European Journal of Taxonomy, 720: 77–106

Type specimens. Holotype: ♂, China, Hainan, Baoting County, Maogan (18°36'27" N, 109°30'39" E, 564 m), SWU (标本存放地缩写: SWU, 见附录 2, 下同). Paratypes: 1 ♂, 1 ♀, same collection data as for holotype, SWU.

Anaplecta bicolor Deng & Che, 2020

Deng et al. 2020. European Journal of Taxonomy, 720: 77–106

Type specimens. Holotype: ♂, China, Yunnan, Xishuangbanna, Mengla County (21°27'46" N, 101°33'19" E, 668 m), SWU. Paratypes: 1 ♀, China, Yunnan, same collection data as for holotype, SWU; 1♂1♀, Xishuangbanna, Mengla County, Wangtianshu (21°37'20" N, 101°35'17" E, 733 m), SWU.

Anaplecta corneola Deng & Che, 2020

Deng et al. 2020. European Journal of Taxonomy, 720: 77–106

Type specimens. Holotype: ♂, Hainan, Ledong County, Mt. Jianfengling, Mingfeng Valley (18°44'51" N, 108°51'3" E, 798 m), SWU. Paratypes: 1♂, China, Hainan, same collection data as for holotype, SWU; 12♂♂4♀♀, same collection data as for holotype, SWU; 8♂♂12♀♀, same collection data as for holotype, SWU; 2♂♂3♀♀, same collection data as for holotype, SWU; 4♂♂3♀♀, Guangdong, Guangzhou City, Tianhe District, Longyandong Forest Park (23°12'15" N, 113°21'45" E, 83 m), SWU; 2♂♂2♀♀, Guangdong, Zhaoqing City, Mt. Dinghu (23°10'4" N, 112°32'18" E, 351 m), SWU; 3♀♀, Shaoguan City, Mt. Danxia (25°1'35" N, 113°43'35" E, 120 m), SWU; 1♂4♀♀, Guangzhou City, Mt. Baiyun (23°10'52" N, 113°17'54" E, 276 m), SWU; 4♂♂, 6♀♀, Hunan, Chenzhou City, Yizhang County, Mangshan Forest Park (24°57'26" N, 112°55'21" E; 954 m), SWU; 4♂♂8♀♀, Chenzhou City, Linwu County (25°17'39" N, 112°33'55" E, 389 m), SWU; 1♂1♀, Fujian, Wuyishan City, Tongmu (27°44'50" N, 117°40'46" E, 759 m), SWU.

Anaplecta cruciata Deng & Che, 2020

Deng et al. 2020. European Journal of Taxonomy, 720: 77–106

Type specimens. Holotype: ♂, Yunnan, Xishuangbanna, Mengla County, Yaoqu Town (21°43'26" N, 101°32'30" E; 820 m), SWU. Paratypes: 1♂; Yunnan, Xishuangbanna, Mengla County, Shangyong Town (21°14'36" N, 101°42'26" E, 792 m), SWU; 8♂♂4♀♀, same collection data as for holotype, SWU.

Anaplecta furcata Deng & Che, 2020

Deng et al. 2020. European Journal of Taxonomy, 720: 77–106

Type specimens. Holotype: ♂, Guangxi, Jinxiu County, Mt. Dayao (24°08'26" N, 110°11'42" E, 944 m), SWU. Paratypes: 2♂♂, same collection data as for holotype, SWU.

Anaplecta nigra Deng & Che, 2020

Deng et al. 2020. European Journal of Taxonomy, 720: 77–106

Type specimens. Holotype: ♂, Yunnan, Xizang, Medog County, Gelin Village (29°12'59" N, 95°10'14" E, 1822 m), SWU. Paratype: 1 ♀, same collection data as for holotype, SWU.

Anaplecta staminiformis Deng & Che, 2020

Deng et al. 2020. European Journal of Taxonomy, 720: 77–106

Type specimens. Holotype: ♂, Hainan, Linshui County, Mt. Diaoluo (18°47'5"N, 109°53'12" E, 423 m), SWU. Paratypes: 1♂, same collection data as for holotype, SWU. 2♂♂4♀♀, Hainan, Ledong County, Mt. Jianfengling, Mingfeng Valley (18°43'26" N, 108°48'27" E; 579 m), SWU; 2♀♀, same collection data as for holotype, SWU. 4♂♂2♀♀, Qiongzong County, Mt. Limu (19°14'2" N, 109°48'3" E, 162 m), SWU; 12♂♂3♀♀, same collection data, SWU; 1♂3♀♀, SWU.

Anaplecta strigata Deng & Che, 2020

Deng et al. 2020. European Journal of Taxonomy, 720: 77–106

Type specimens. Holotype: ♂, Hainan, Ledong County, Mt. Jianfengling, Mingfeng Valley (18°43'26" N, 108°48'27" E; 579 m), SWU. Paratypes: 2♂♂, Hainan, Baoting County, Mt. Qixianling (18°41'49" N, 109°41'41" E, 231 m), SWU; 9♂♂2♀♀, same collection data as for holotype, SWU; 1♂, Hainan, Qiongzong County (19°2'22" N, 109°48'51" E; 336 m), SWU; 1♂1♀, Hainan, Changjiang County, Qicha Town; 19°7'3" N, 109°4'9" E, 117 m, SWU; 4♂♂2♀♀, Yunnan, Xishuangbanna, Mengla County, Menglun Town (21°55'20" N, 101°15'46" E; 543 m), SWU.

Corydiidae

Holocompsa zhangi Qiu, Wang & Che, 2020

Qiu et al. 2020. Annales de la Société Entomologique de France (N.S.)

Type specimens. Holotype: ♂, China, Yunnan, Nongzhang Town, Yingjiang County, Dehong Prefecture (24°36'N 97°53'E, 800 m), SWU.

Ectobiidae

Episymploce maxima Li, Liu, Qiu & Yue, 2020

Li et al. 2020. ZooKeys, 954: 31–46 (2020)

Type specimens. Holotype: 1♂, China, Guangxi, Nonggang Village, Longzhou County, Chongzuo City (22°28.26'N, 106°57.43'E). Allotype: 1♀, paratype: 1♂1♀, same data as holotype, ZCTC.

Episymploce sichuanensis Li, Liu, Qiu & Yue, 2020

Li et al. 2020. ZooKeys, 954: 31–46 (2020)

Type specimens. Holotype: ♂, China, Sichuan Daheishan, Panzhihua City (26°38.48'N, 101°41.62'E). Allotype: 1♀, paratype: 7♂♂s, same data as holotype, ZCTC.

Sigmella digitalis Li & Wang, 2020

Li et al. 2020. PLoS One, 0232821

Type specimens. Holotype: ♂, China, Hainan, Mt. Bawangling (19°05.1760 N, 109°07.3360 E), SWU. Paratypes: 4♂♂, 1female, same data as holotype; 4♂♂, China, Hainan, Liupancun, Jiyangzhen, Sanya (18°14.8460N 109°37.4820E), SWU.

Sigmella exserta Li & Wang, 2020

Li et al. 2020. PLoS One, 0232821

Type specimens. Holotype: ♂, China, Guangxi, Mt. Shengtangshan, Jinxiu, (23°58.4140 N, 110°07.1680 E, 1182m), SWU. Paratypes: 4♂♂, same data as holotype.

刘童祎, 陈静, 姜立云, 乔格侠 (2021) 中国半翅目等29目昆虫2020年新分类单元. 生物多样性, 29, 1050–1057. <http://www.biodiversity-science.net/CN/10.17520/biods.2021200>.

Sigmella normalis Li & Wang, 2020

Li et al. 2020. PLoS One, 0232821

Type specimens. Holotype: ♂, China, Hainan, Mt. Wuzhishan (18°54.2900 N, 109°41.0870 E, 795 m), SWU. Paratypes: 4♂♂, same data as holotype; 5♂♂, China, Hainan, Mt. Diaoluoshan, Lingshui (18°43.4300 N 109°52.1260 E), SWU; 3♂♂, China, Hainan, Mt. Limushan (19°10.0470N, 109°44.9880E); 5♂♂, Hainan, China, Mingfenggu, Mt. Jianfengling (19°05.1760N, 109°07.3360 E), SWU.

弹尾目 Collembola

Entomobryidae

Entomobrya tristriata Ma & Chang, 2020

Ma et al. 2020. Zootaxa, 4731 (3): 335–346

Type specimens. Holotype: ♀, China, Jilin, Baishan City, Fusong County, Xianren Bridge Town (127°14'14"E, 42°10'35"N), NU. Paratypes: 3♀♀, same data as holotype. 1female on slide, the Gate of Changbai Mountain (128°05'56"E, 41°48'06"N), NU.

Sinodicranocentrus Zhang, 2020

Alloscopus bannaensis Zhang, 2020

Zhang et al. 2020. Arthropod Systematics and Phylogeny, 78 (1): 1 – 16

Type specimens. Holotype: ♀, China, Yunnan, Mengla county, Menglun town, Xishuangbanna Tropical Botanical Garden (21.919°N, 101.2709°E, 754 m), NJAU. Paratypes: 2♀♀, same data as holotype, NJAU.

Alloscopus liuae Zhang, 2020

Zhang et al. 2020. Arthropod Systematics and Phylogeny, 78 (1): 1 – 16

Type specimens. Holotype: ♀, China, Guangdong, Guangzhou, Heshan Hilly Land Interdisciplinary Experimental Station, NJAU. Paratypes: 12♀♀1♂, same data as holotype, NJAU.

Isotomidae 等节蟧科

Dimorphacanthella sichuanensis Gao & Bu, 2020

Gao et al. 2020. Entomotaxonomia, 42(1): 1–5

Type specimens. Holotype: ♀, China, Sichuan, Litang County (29°46'N 100°27'E, 3619 m), SNHM. Paratypes: 1♂3♀♀, same data as holotype, SNHM.

Folsomia mongolica Huang & Potapov, 2020

Potapov et al. 2020. ZooKeys, 935: 1–24

Type specimens. Holotype: ♀. China, Inner Mongolia Autonomous Region, Hulun Buir, New Barag Zuoqi, Xinbaoligexi Sumu, Bayin Chagan Nuori Lake, at shore of the saline lake (48.38°N, 118.71°E, 669 m), SEMCAS. Paratypes: 20 specimens, same data as holotype: 10 specimens, SEMCAS, 5 specimens, MSPU, 5 specimens, SMNG.

Semicerura bryophila Potapov & Sun, 2020

Potapov et al. 2020. Zootaxa, 4751 (1): 105–118

Type specimens. Holotype: ♀, China, Jilin, Changbai Mts (41.758° N, 127.939° E, ca 1750 m), IGACAS. Paratypes: 7♀♀, China, Jilin, Changbai Mts (41.847° N, 127.798° E, ca 1100 m), IGACAS.

Semicerura draconis Potapov & Sun, 2020

Potapov et al. 2020. Zootaxa, 4751 (1): 105–118

Type specimens. Holotype: ♀, China. Paratypes: 10♀♀, Jilin, Fusong County, Manjiang town forest (foothills of Changbai Mts), IGACA.

Onychiuridae

Leeonychiurus zijinensis Zhang, Sun & Wu, 2020

Zhang et al. 2020. Zootaxa, 4743 (1): 137–143

Type specimens. Holotype: ♂, China, Jiangsu, Nanjing, Zijinshan, Xiamafang Park, IGACAS. Paratypes: 4♀♀ 1♂, same data as holotype, IGACAS.

Tullbergiidae

Paratullbergia chuana Gao & Bu, 2020

Gao & Bu. 2020. Zootaxa, 4808 (1): 121–130

Type specimens. Holotype: ♂, China, Sichuan, Ganzi Tibetan Autonomous Region, Daocheng County, Xingmu Town (29°03' N 100°30' E, 3500 m), SEMCAS. Paratypes: 5♀♀2♂♂, same data as holotype; 2♀♀, Sichuan, Ganzi Region, Kangding City, Yala Town (30°06' N 101°57' E, elev. 3100 m); 1♀, Sichuan, Ganzi Region, Litang County (29°46' N 100°26' E, 3600 m); 2♂♂, Sichuan, Ganzi Region, Daocheng County, Mula Town, (28°44' N 100°16' E, 3900 m); 3♀♀1♂, Sichuan, Ganzi Region, Derong County, Zhengdou Town (29°08' N 99°35' E, 3480 m); 1♀, Sichuan, Ganzi Region, Daochu County (30°40' N 101°17' E, 3550 m); 2♀♀1♂, Sichuan, Ganzi Region, Danba County (30°36' N 101°40' E, 2940 m), SNHM, SEMCAS.

Neanuridae

Oudemansia chenorum Palacios-Vargas & Bu, 2020

Palacios-Vargas & Bu. 2020. Zootaxa, 4810 (1): 117–130

Type specimens. Holotype: ♀, China, Hainan, Sanya city, sandy beach of Ximaozhou island (18°14' N, 109°22' E), SHNM. Paratypes: 1♀, same data of holotype; 5♀♀, UNAM, SHNM; 1♂, China, Hainan, Sanya City, sandy beach of Ximaozhou Island (18°14' N, 109°21' E), SHNM.

革翅目 Dermaptera

Chelisochidae

Chelisoches chongqingensis Ye & Chen, 2020

Ye et al. 2020. Zootaxa, 4790 (3): 551–563

Type specimens. Holotype: ♂, China, Chongqing City, Simian Mountain, Feilong Temple, in surrounding lush vegetation (28.62 N, 106.39 E, 1000 m), ICJUST. Paratypes: 1♂2♀♀, same locality and data as holotype, ICJUST; 1♀, China, Chongqing City, Jinfo Mountain (29.12 N, 107.17 E, 1600 m), ICJUST.

蜉蝣目 Ephemeroptera

Ephemerellidae

Cincticostella tornata Auychinda & Gattolliat, 2020

Auychinda et al. 2020. Alpine Entomology, 4: 129–138

Type specimens. Holotype: Larva, China, Shaanxi, Hanzhong city, Foping county, Qinling Mts, slow forest brook in Panda valley (33°40.368'N, 107°58.327'E, 1330 m), MZL. Paratypes: larvae, same data as for holotype, MZL.

Heptageniidae

Notacanthurus maculatus Zhou, 2020

Zhang et al. 2020. Zootaxa, 4802 (2): 335–348

Type specimens. Holotype: ♂, China, Shaanxi, Fo-Ping county, Han-Zhong City, Yue-Ba town (33°32'50.86"N, 107°49'29.36"E), NNU. Paratypes: 2♂♂, same as the holotype; China, Gansu, Tie-Lou village, Wen County, Sai-Ke bridge (32°52'45.66"N, 104°24'22.36"E), NNU; 4♂♂, China, Shanxi, Jin-Cheng City, Xia-Chuan Town, Xi-Xia stream (32°52'45.66"N, 104°24'22.36"E), NNU; 3♂♂, Shanxi, Yi-Cheng County, Lin-Fen City, Great-River village (35°44'23.90"N, 111°02'23.43"E), NNU; 2♂♂, Hubei, Yi-Chang county, Yang-Lin-Qiao Town (30°44'52.44"N, 110°45'57.85"E), NNU.

Notacanthurus lamellosus Zhou, 2020

Zhang et al. 2020. Zootaxa, 4802 (2): 335–348

Type specimens. Holotype: ♂, China, Hunan, Zhang-Jia-Jie City, Jin-Bian creek (29°20'45.14"N, 110°32'46.36"E), NNU. Paratypes: 2♂♂, same as the holotype; 1♂, Guizhou, Zun-Yi City, Jin-Sha village (28°06'30.68"N, 107°41'35.78"E), NNU.

Vietnamellidae

Vietnamella chebalingensis Tong, 2020

Luo et al. 2020. Zootaxa, 4868 (2): 208–220

Type specimens. Holotype: ♀, China, Gaungdong, Shixing County, Chebaling National Nature Reserve (24°42'25"N, 114°14'15"E), SCAU. Paratypes: 6 larvae, same data as holotype, 3 larvae the same locality, one larva, SCAU.

半翅目 Hemiptera

Aphididae

Mesocallis platycaryae Qiao, 2020

Chen et al. 2020. ZooKeys, 1003: 19–30

Type specimens. Holotype: apterous viviparous female, China, Anhui, Yuexi County, Yaoluoping Reserve, Xiaoqiling (1100 m), IZCAS. Paratypes: 1 apterous viviparous female, 1 third instar nymph, and 1 fourth instar nymph, the collection data is the same as in the holotype, IZCAS.

Aleyrodidae

Aleuroclava schimae Wang, 2020

Wang et al. 2020. ZooKeys, 991: 121–128

Type specimens. Holotype: puparium, China, Zhejiang, Chun'an, Thousand Island Lake (29°31.21'N, 118°52.41'E), ZAFU. Paratypes: 30 puparia, same data as holotype, ZAFU; 15 puparia, Zhejiang, Kaihua, Gutianshan Nature Reserve (29°15.12'N, 118°06.42'E), ZAFU; 11 puparia, Zhejiang, Jiangshan, Shuangxikou village, (28°23.12'N, 118°41.15'E), SEMCAS.

Aradidae

Neolibiocoris Bai, Heiss & Cai, 2020

Neolibiocoris obtusus Bai, Heiss & Cai, 2020

Surnaa et al. 2020. *Zootaxa*, 4885 (2): 235–248

Type specimens. Holotype: ♂, China, Hainan, Diaoluo Mountain, IMNU. Paratypes: 30♂♂10♀♀, China, Hainan: Diaoluo Mountain, IMNU, CEHI; 2♂♂, China, Hainan, Baisha, Yinggeling (950 m), IMNU, CEHI; 1♂, China, Hainan, Tongzha, Wuzhishan, IMNU; 2♂♂, China, Hainan, Ledong, Jianfenling, IMNU, CEHI.

Rotundocoris pyramidalis Bai & Heiss, 2020

Surnaa et al. 2020. *Zootaxa*, 4885 (2): 235–248

Type specimens. Holotype: ♂, China, Hainan, Baisha, Yinggeling (950 m), IMNU. Paratypes: 1♀, China, Hainan, Baisha, Yinggeling (950 m), IMNU); 1♂, China, Hainan, Tongzha, Wuzhishan, IMNU.

Oblongocoris Bai, Heiss & Cai, 2020

Oblongocoris hainanensis Bai, Heiss & Cai, 2020

Shi et al. 2020. *Zootaxa*, 4820 (2): 385–390

Type specimens. Holotype: ♀, China, Hainan, Jianfeng, Tianchi, (IMNU. Paratype: 1♀, same data as holotype, CEHI.

Paracremastaptera Bai, Heiss & Cai, 2020

Paracremastaptera ximaensis Bai, Heiss & Cai, 2020

Surnaa et al. 2020. *Zootaxa*, 4894 (3): 445–450

Type specimen. Holotype: ♂, China, Yunnan, Yingjiang County, Xima Town, IMNU.

Paramorphocoris hubeiensis Bai & Heiss, 2020

Wei et al. 2020. *Entomotaxonomia*, 42(4): 247–251

Type specimen. Holotype: ♀, China, Hubei, Wufeng, Yichang, IMNU.

Caliscelidae

Neosymplana Chen & Gong, 2020

Neosymplana vittatum Gong, Yang & Chen, 2020

Gong et al. 2020. *Zootaxa*, 4895 (3): 411–420

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang County, Yingjiang National Wetland Park (24°69'N, 97°93'E), GUGC. Paratypes: 3♂♂2♀♀, data same as holotype; 20♂♂32♀♀, data same as holotype, GUGC; 2♂♂4♀♀, China, Yunnan, Longchuan County, Chengguan (24°33'N, 97°96'E), GUGC; 5♂♂8♀♀, China, Yunnan, Lianghe County, Mengyang Town (24°78'N, 98°3'E), GUGC; 12♂♂23♀♀, China, Yunnan, Ruili County, Wanding Town (24°N, 97°83'E), GUGC.

Symplanella fulva Gong & Chen, 2020

Gong et al. 2020. *Zootaxa*, 4801 (2): 355–362

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang County, Nabang Town (24°70'N, 97°90'E), GUGC.

Symplanella nigricans Gong & Chen, 2020

Gong et al. 2020. *Zootaxa*, 4801 (2): 355–362

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang County, Nabang Town (24°70'N, 97°90'E), GUGC. Paratypes: 5♂♂7♀♀, data same as holotype, GUGC; 2♂♂4♀♀, China, Yunnan, Ruili County, near the Botanical

Garden (24°01'N, 97°85'E), GUGC.

Cicadellidae

Balala fujiana Tang & Zhang, 2020

Tang & Zhang. 2020. *Zootaxa*, 4731 (1): 023–042

Type specimens. Holotype: ♂, China, Fujian, Jiuxian Mountain, NWAUFU. Paratypes: 1♂, same data as holotype; 2♂♂, China, Guangdong, Dadong Mountain, Lian County, SYSU.

Balala hainana Tang & Zhang, 2020

Tang & Zhang. 2020. *Zootaxa*, 4731 (1): 023–042

Type specimens. Holotype: ♂, China, Hainan, Jianfengling Mountain, CAF.

Daochia fenestrata Fang, Webb & Xing, 2020

Fang et al. 2020. *Zootaxa*, 4758 (2): 378–386

Type specimens. Holotype: 1♂, China, Guizhou, Guiyang City, Forest park, GUGC; Paratypes: 2♀♀, Guizhou, Wangmo County, Dayi, GUGC; 3♂♂1♀, Guizhou, Guiyang City, GUGC and BMNH; 7♂♂4♀♀, same data as holotype, GUGC; 1♂, Guizhou, Libo County, Limingguan, GUGC; 2♂♂, Guizhou, Libo County, Maolan, GUGC; 1♂, Guizhou, Ziyun County, Zongdi, GUGC.

Dolichocaudus Wang & Zhang, 2020

Dolichocaudus acicephalus Wang & Zhang, 2020

Wang & Zhang. 2020. *Zootaxa*, 4732 (1): 161–168

Type specimens. Holotype: ♂, China, Guangxi, Banba village, Chengfang County (550 m), IZCAS. Paratype: 1♀, China, Hainan, Ming-feng-gu, Jian-feng-ling (18°44.658'N108°50.435'E, 1017m), NWAUFU.

Etmaria Cao & Dmitriev, 2020

Etmaria magna Cao & Dmitriev, 2020

Cao et al. 2020. *Zootaxa*, 4868 (3): 331–367

Type specimens. Holotype: ♂, China, Taiwan, Taichung, Dashuishan Forest Rd. km 20, (24°15'6"N, 120°54'58"E, 1250m), TNMNS.

Etmaria triquetra Cao & Zhang, 2020

Cao et al. 2020. *Zootaxa*, 4868 (3): 331–367

Type specimen. Holotype: ♂, China, Yunnan, Yingjiang, Mangxian (24°28'33"N, 97°45'02"E, 1089 m), NWAUFU.

Etmaria ulterior Cao & Zhang, 2020

Cao et al. 2020. *Zootaxa*, 4868 (3): 331–367

Type specimen. Holotype: ♂, China, Yunnan, Yingjiang, Nabang (24°46'12"N, 97°54'35"E, 284m), NWAUFU.

Pseudothaia forcipis Cao & Zhang, 2020

Cao et al. 2020. *Zootaxa*, 4868 (3): 331–367

Type specimens. Holotype: ♂, China, Zhejiang, Mt. Wuyan, NWAUFU. Paratypes: 1♂, same data as holotype; 1♂, China, Hunan, Mt. Heng, NWAUFU.

刘童祎, 陈静, 姜立云, 乔格侠 (2021) 中国半翅目等29目昆虫2020年新分类单元. 生物多样性, 29, 1050–1057. <http://www.biodiversity-science.net/CN/10.17520/biods.2021200>.

Mitjaevia dworakowskiae Chen, Song & Webb, 2020

Chen & Song. 2020. *ZooKeys*, 964: 31–40

Type specimens. Holotype: ♂, China, Guizhou, Shibing, GZNU. Paratypes: 14♂♂19♀♀, same data as holotype, GZNU.

Mitjaevia shibingensis Chen, Song & Webb, 2020

Chen & Song. 2020. *ZooKeys*, 964: 31–40

Type specimens. Holotype: ♂, China, Guizhou, Shibing, GZNU. Paratypes: 14♂♂55♀♀, same data as holotype, GZNU.

Empoascanara (Empoascanara) wengangensis Chen & Song, 2020

Chen. & Song. 2020. *Zootaxa*, 4780 (1): 191–196

Type specimens. Holotype: ♂, China, Guizhou, Maolan, Wengang, GZNU. Paratypes: 30♂♂30♀♀, same data as holotype, GZNU.

Thaia (Niema) xiaguensis Chen & Song, 2020

Chen. & Song. 2020. *Zootaxa*, 4780 (1): 191–196

Type specimens. Holotype: ♂, China, Guizhou, Huajiang, Xiagu Village, GZNU. Paratypes: 2♂♂5♀♀, same data as holotype, GZNU.

Takagioma anguis Qin & Huang, 2020

Qin et al. 2020. *Zootaxa*, 4742 (2): 299–310

Type specimen. Holotype: ♂, China, Yunnan, Xishuangbanna (100.91°E, 22.01°N), NWAUFU.

Takagioma curvata Kang & Zhang, 2020

Qin et al. 2020. *Zootaxa*, 4742 (2): 299–310

Type specimens. Holotype: ♂, China, Yunnan, Menglun (101.28°E, 21.92°N), NWAUFU. Paratype: 2♂♂, same data as holotype; 4♂♂, Yunnan, Xishuangbanna (100.91°E, 22.01°N), NWAUFU.

Takagioma gladius Kang & Zhang, 2020

Qin et al. 2020. *Zootaxa*, 4742 (2): 299–310

Type specimens. Holotype: ♂, China, Yunnan, Menglun (101.28°E, 21.92°N), NWAUFU. Paratypes: 1♀, same data as holotype; 2♂♂, Yunnan, Xishuangbanna (100.91°E, 22.01°N), NWAUFU.

Takagioma longicauda Qin & Huang, 2020

Qin et al. 2020. *Zootaxa*, 4742 (2): 299–310

Type specimen. Holotype: ♂, China, Yunnan, Xishuangbanna (100.91°E, 22.01°N), NWAUFU.

Takagioma pagoda Kang & Zhang, 2020

Qin et al. 2020. *Zootaxa*, 4742 (2): 299–310

Type specimens. Holotype: ♂, China, Yunnan, Lincang, Sanchahe (99.32°E, 24.08°N), NWAUFU. Paratype: 1♂, same data as holotype, NWAUFU.

Takagioma rostra Qin & Huang, 2020

刘童祎, 陈静, 姜立云, 乔格侠 (2021) 中国半翅目等29目昆虫2020年新分类单元. 生物多样性, 29, 1050–1057. <http://www.biodiversity-science.net/CN/10.17520/biods.2021200>.

Qin et al. 2020. *Zootaxa* 4742 (2): 299–310

Type specimens. Holotype: ♂, China, Yunnan, Xishuangbanna (100.90°E, 22.03°N), NWAUFU. Paratype: 2♂♂, collect data same as holotype, NWAUFU.

Seriana bacilla Tan, Yuan & Song, 2020

Tan et al. 2020. *Zootaxa*, 4728 (2): 275–282

Type specimens. Holotype: ♂, China, Guizhou, Leishan, GZNU. Paratypes: 10♂♂11♀♀, China, Guizhou, Leishan, GZNU; 5♂♂19♀♀, China, Guizhou, Duyun, GZNU.

Singapora shiqianensis Li & Zhang, 2020

Li & Zhang. 2020. *Zootaxa*, 4808 (2): 365–372

Type specimens. Holotype: ♂, China, Guizhou, Tongren, Shiqian, NWAUFU. Paratypes: 5♂♂1♀, same data as holotype; 2♂♂3♀♀, China, Guizhou, Tongren, Shiqian, NWAUFU.

Uniformus Jiao & Yang, 2020

Uniformus inclusus Jiao & Yang, 2020

Jiao & Yang, 2020. *Zootaxa*, 4868 (4): 596–600

Type specimens. Holotype: ♂, China, Yunnan, Jinghong (608 m), GUGC. Paratype: 1♂, Yunnan, Mohan (690 m), GUGC.

Uniformus rostellatus Jiao & Yang, 2020

Jiao & Yang, 2020. *Zootaxa*, 4868 (4): 596–600

Type specimens. Holotype: ♂, China, Yunnan, Lvchun, GUGC. Paratype, 1♂, China, Yunnan, Pingbian (2044 m), GUGC.

Thagria denticosta Wang, Li & Dai, 2020

Wang et al. 2020. *Zootaxa*, 4821 (2): 363–370

Type specimens. Holotype: ♂, China, Guizhou, Anlong County, GUGC. Paratype: 1♂, China, Guangxi, Tian'e County, GUGC.

Thagria fimbriata Wang, Li & Dai, 2020

Wang et al. 2020. *Zootaxa*, 4821 (2): 363–370

Type specimens. Holotype: ♂, China, Yunnan, Bao Shan County, GUGC. Paratype: 1♂, same data as holotype, GUGC.

Thagria trifurcata Wang, Li & Dai, 2020

Wang et al. 2020. *Zootaxa*, 4821 (2): 363–370

Type specimens. Holotype: ♂, China, Guangxi, Damingshan, GUGC. Paratypes: 1♀, same data as holotype, GUGC.

Parascaphoidella Wei, Fang & Xing, 2020

Parascaphoidella biprocessa Wei, Fang & Xing, 2020

Wei et al. 2020. *Zootaxa*, 4810 (2): 328–334

Type specimen. Holotype: ♂, China, Guangxi, Tian'e County, Longtan Natural Reserve, GUGC.

Parabolopona yunnanensis Xu & Zhang, 2020

Xu & Zhang. 2020. *Zootaxa*, 4821 (1): 189–195

Type specimens. Holotype: ♂, Yunnan, Mengla County, Shangyong Town, NWAUFU. Paratype: 1♀, data same as holotype, NWAUFU.

Reticuluma bipennata Xu, Yu, Dai & Yang, 2020

Xu et al. 2020. *Zootaxa*, 4809 (1): 177–186

Type specimens. Holotype: ♂, China, Yunnan, Mt. Gaoligong, Baihua Ridge, GUGC; Paratypes: 1♂, China, Yunnan, Mt. Gaoligong, Baihua Ridge, GUGC; 1♂, China, Yunnan, Xiping County, Mt. Wenbi, GUGC; 1♂, China, Yunnan, Mengla County, Menglun Town, GUGC.

Fanjinga Yu & Yang, 2020

Fanjinga digitata Yu & Yang, 2020

Yu et al. 2020. *ZooKeys*, 908: 39–44

Type specimens. Holotype: ♂, China, Guizhou, Fanjing Mountain, GUGC. Paratypes: 3♂♂, same collecting data as holotype, GUGC, GZNU.

Watanabella curvatua Zhang & Xing, 2020

Zhang & Xing. 2020. *Zootaxa*, 4808, 539–546.

Type specimen. Holotype: ♂, China, Yunnan, Lushui County, Pianma, GUGC.

Limassolla bicruralis Huang & Zhang, 2020

Zhou et al. 2020. *Zootaxa*, 4878 (3): 559–571

Type specimens. Holotype: ♂, China, Yunnan, Sanchahe, NWAUFU. Paratypes: 6♂♂4♀♀, same data as holotype, NWAUFU.

Limassolla kunyica Huang & Zhang, 2020

Zhou et al. 2020. *Zootaxa*, 4878 (3): 559–571

Type specimens. Holotype: ♂, China, Shandong, Yantai, Mt. Kunyu (500 m), NWAUFU. Paratypes: 14 ♂♂18♀♀, same data as holotype, NWAUFU.

Limassolla uncata Huang & Zhang, 2020

Zhou et al. 2020. *Zootaxa*, 4878 (3): 559–571

Type specimens. Holotype: ♂, China, Guizhou, Mt. Fanjing (600 m), NWAUFU. Paratypes: 1♂1♀, same data as holotype, NWAUFU.

Limassolla nigropunctata Huang & Zhang, 2020

Zhou et al. 2020. *Zootaxa*, 4878 (3): 559–571

Type specimens. Holotype: ♂, China, Guangxi, Tongzhonglinchang, NWAUFU. Paratypes: 1♂2♀♀, same data as holotype, NWAUFU.

Limassolla spinulata Huang & Zhang, 2020

Zhou et al. 2020. *Zootaxa*, 4878 (3): 559–571

Type specimens. Holotype: ♂, China, Yunnan, Sanchahe, NWAUFU. Paratypes: 6♂♂1♀, same data as holotype;

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9♂♂3♀♀, China, Hainan, Qixianling (220m); 26♂♂23♀♀, China, Hainan, Yinggeling (400m); 20♂♂15♀♀, China, Hainan, Mt. Wuzhi, Maoyang village (325 m); 7♂♂, China, Hainan, Jianfeng village (170m), NWAUFU.

Paramritodus Xue & Zhang, 2020

Paramritodus introflexus Xue & Zhang, 2020

Xue & Zhang. 2020. Zoological Journal of the Linnean Society, 189, 1438–1463

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

Paramritodus spatiosus Xue & Zhang, 2020

Xue & Zhang. 2020. Zoological Journal of the Linnean Society, 189, 1438–1463

Type specimen. Holotype: ♂, China, Yunnan, Dali, Yangbi, Yangjiang, NWAUFU.

Paramritodus triangulus Xue & Zhang, 2020

Xue & Zhang. 2020. Zoological Journal of the Linnean Society, 189, 1438–1463

Type specimens. Holotype: ♂, China, Yunnan, Nansan, NWAUFU. Paratypes: 5 ♂♂2♀♀, same data as holotype, NWAUFU.

Cicadidae

Versicolora Wei, Wang, Hayashi, He & Pham, 2020

Versicolora bellula Wei, Wang, Hayashi, He & Pham, 2020

Wei et al. 2020. Zootaxa, 4759 (2): 277–286

Type specimens. Holotype: ♂, China, Yunnan, Luchun County, NWAUFU. Paratypes: 1♂, China, Yunnan, Luchun County, NWAUFU; 1♀, China, Yunnan, Pingbian County, NWAUFU; 1♂, NSMT.

Versicolora ziyongi Wei, Wang, Hayashi, He & Pham, 2020

Wei et al. 2020. Zootaxa, 4759 (2): 277–286

Type specimens. Holotype: ♂, China, Guangdong, Mt. Jiulian, Lianping County, Heyuan City, NWAUFU. Paratypes: 1♂6♀♀, same data as holotype, NWAUFU; 2♂♂5♀♀, NWAUFU; 1♂, China, Guangdong, Nanling, Shaoguan, ELKU.

Cixiidae

Andixius cultratus Wang, Zhi & Chen, 2020

Wang et al. 2020. Zootaxa, 4802 (3): 440–448

Type specimens. Holotype: ♂, China, Guangdong, Shixing County, Chebaling National Natural Reserve (24°43'N, 114°15'E), GUGC; Paratypes: 23♂♂16♀♀, same data as holotype, GUGC.

Andixius lingulatus Wang, Zhi & Chen, 2020

Wang et al. 2020. Zootaxa, 4802 (3): 440–448

Type specimens. Holotype: ♂, China, Guangxi, Jinxiu County, Dayaoshan National Natural Reserve (24°08'N, 110°11'E), GUGC. Paratypes: 3♂♂4♀♀, same data as holotype, GUGC.

Betacixius latissimus Zhi & Chen, 2020

Zhi et al. 2020. ZooKeys, 956: 1–18

Type specimens. Holotype: ♂, China, Yunnan, Jinping County, Fenshuiling National Nature Reserve (22°46'N,

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103°13'E), GUGC; Paratypes: 1♂1♀, same data as holotype, GUGC.

Betacixius maguanensis Zhi & Chen, 2020

Zhi et al. 2020. *ZooKeys*, 956: 1–18

Type specimens. Holotype: ♂, China, Yunnan, Maguan County, Gulinqing Township (22°48'N, 103°57'E), GUGC; Paratypes: 8♂♂5♀♀, same data as holotype, GUGC.

Indolipa fugongensis Zhi & Chen, 2020

Zhi et al. 2020. *ZooKeys*, 956: 19–30

Type specimens. Holotype: ♂, China, Yunnan, Fugong County (26°54'N, 98°52'E), GUGC. Paratypes: 7♂♂6♀♀, GUGC.

Indolipa longlingensis Zhi & Chen, 2020

Zhi et al. 2020. *ZooKeys*, 956: 19–30

Type specimens. Holotype: ♂, China, Yunnan, Longling County (24°35'N, 98°41'E), GUGC. Paratypes: 22♂♂25♀♀, same data as holotype, GUGC.

Oliparisca menglaensis Zhi & Chen, 2020

Zhi et al. 2020. *Zootaxa*, 4896, (4): 577–585

Type specimens. Holotype: ♂, China, Yunnan, Mengla County, Mohan Town (21°14', 101°42'), GUGC. Paratypes: 1♂6♀♀, same collection area as holotype, GUGC.

Coccoidea

Pulvinaria pistaciae Cao & Feng, 2020

Cao T. & Feng. 2020. *Zootaxa*, 4750 (2): 225–236

Type specimens. Holotype: ♀, China, Yunnan, Kunming, NWAUFU. Paratypes: 9♀♀, same data as holotype, NWAUFU.

Ortheziidae

Nipponorthezia guizhouensis Zheng & Xing, 2020

Zheng & Xing. *Zootaxa*, 4786 (3): 444–450

Type specimens. Holotype: ♀, China, Guizhou, Guiyang City, Wudang, Yangchang, GUGC. Paratypes: 2♀♀, China, Guizhou, Yanhe County, GUGC; 2♀♀, China, Guizhou, Dafang County, GUGC; 10♀♀, China, Guizhou, Fenggang County, GUGC.

Delphacidae

Neobelocera biprocessa Li, Yang & Chen, 2020

Li et al. 2020. *European Journal of Taxonomy*, 641: 1–14.

Type specimens. Holotype: ♂, China, Hainan, Changjiang County (19°06' N, 109°04' E), GUGC. Paratypes: 1♂2♀♀, same collection data as for holotype, GUGC.

Neobelocera russa Li, Yang & Chen, 2020

Li et al. 2020. *European Journal of Taxonomy*, 641: 1–14.

Type specimens. Holotype: ♂, China, Guizhou, Suiyang County (27°57' N, 107°10' E), GUGC. Paratypes: 3♂♂,

same collection data as for holotype, GUGC.

Diaspididae

Fiorinia yongxingensis Liu, Cai & Feng, 2020

Liu et al. 2020. *Zootaxa*, 4729 (3): 388–400

Type specimens. Holotype: ♀, China, Hainan, Yongxing Island, NWAUFU. Paratypes: 52♀♀6 ♂♂, 20 first-instar nymphs, 5 second-instar female nymphs, 15 second-instar male nymphs, 2 third-instar female nymphs, same data as holotype, NWAUFU; 27 adult females, 16 adult males, 16 second-instar male nymphs, 4 first-instar nymphs, China, Hainan, Haikou City, Meilan District, NWAUFU.

Flatidae

Atracis ocularia Ai, Peng & Zhang, 2020

Ai et al. 2020. *European Journal of Taxonomy*, 717: 108–128

Type specimen. Holotype: ♂, China, Hainan, Mt Jianfengling, NWAUFU.

Atracis patefacta Ai, Peng & Zhang, 2020

Ai et al. 2020. *European Journal of Taxonomy*, 717: 108–128

Type specimens. Holotype: ♂, China, Yunnan, Mengyang, Wild elephants Valley (800 m), NWAUFU. Paratype: 1♀, China, Yunnan, Banna, Menglong, NWAUFU.

Atracis punctulata Ai, Peng & Zhang, 2020

Ai et al. 2020. *European Journal of Taxonomy*, 717: 108–128

Type specimen. Holotype: ♂, China, Guangdong, Mt Nanling, NWAUFU.

Atracis sphaerica Ai, Peng & Zhang, 2020

Ai et al. 2020. *European Journal of Taxonomy*, 717: 108–128

Type specimens. Holotype: ♂, China, Guangxi, Longzhou, Nonggang, NWAUFU. Paratypes: 1♀, China, Guangxi, Mt Daqingshan, BMNHC; 1♀, China, Zhejiang, Mt Wuyanling, NWAUFU.

Atracis ungulata Ai, Peng & Zhang, 2020

Ai et al. 2020. *European Journal of Taxonomy*, 717: 108–128

Type specimens. Holotype: ♂, China, Hainan, Mt Jianfengling, CAF. Paratypes: 1♂, China, Hainan, NWAUFU; 1♂, China, Hainan, Mt Jianfengling, Tianchi, SYSU.

Fulgoridae

Limois sordida Wang, Xu, Constant & Qin, 2020

Wang et al. 2020. *European Journal of Taxonomy*, 720: 35–61

Type specimens. Holotype: ♂, China, Shanxi, Ningwu, Mt. Luyashan, NWAUFU. Paratypes: 4♂♂2♀♀, NWAUFU ; 2♀♀, Beijing, Mt. Baihuashan, Huang Tuo village, CAU; 1♂, Beijing, Mt. Baihuashan, Huang Tuo village, CAU; 1♂, Beijing, Mt. Baihuashan, CAU; 1♂, Hebei, Mt. Xiaowutaishan, IZCAS.

Issidae

Eusarimissus Wang & Bourgoïn, 2020

Eusarimissus hezhouensis Wang & Bourgoïn, 2020

刘童祎, 陈静, 姜立云, 乔格侠 (2021) 中国半翅目等29目昆虫2020年新分类单元. 生物多样性, 29, 1050–1057. <http://www.biodiversity-science.net/CN/10.17520/biods.2021200>.

Wang & Bourgoin. 2020. ZooKeys, 912: 13–23

Type specimens. Holotype: ♂, China, Guangxi, Hezhou, Qichong Nature Reserve (24°13'6"N, 110°48'34"E, 180 m), CWNU. Paratypes: 2♂♂1♀, same data as holotype, CWNU.

Kodaianella furcata Chang & Chen, 2020

Chang et al. 2020. ZooKeys, 917: 85–104

Type specimens. Holotype: ♂, China, Guangxi, Nonggang National Nature Reserve (22°28'N, 106°58'E), GUGC. Paratypes: 5♂♂, same data as holotype, GUGC; 1♂, Guangxi, Nonggang National Nature Reserve (22°28'N, 106°58'E), GUGC.

Pusulissus Bourgoin & Wang, 2020

Pusulissus coronomensis Bourgoin & Wang, 2020

Bourgoin, & Wang. 2020. ZooKeys, 997: 69–94

Type specimens. Holotype: ♂, China, Guangxi, Hezhou, Qichong Natural Reserve (24°13'6"N, 110°48'34"E, 180 m), CWNU. Paratypes: 1♂1♀, same data as holotype, CWNU.

Sivaloka arcuata Chang & Chen, 2020

Chang et al. 2020. ZooKeys, 917: 85–104

Type specimens. Holotype: ♂, China, Guizhou, Anlong County, Xianheping Provincial Nature Reserve (22°59'N, 105°43'E), GUGC; Paratypes: 1♂, same data as holotype, GUGC; 1♂, Guizhou, Congjiang County, Moon Hill (25°38'N, 108°13'E, 1159 m), GUGC.

Sivaloka trigona Chang & Chen, 2020

Chang et al. 2020. ZooKeys, 917: 85–104

Type specimen. Holotype: ♂, China, Guangxi, Yangshuo County (24°59'N, 105°36'E), GUGC.

Tempsarima Chang & Chen, 2020

Tempsarima bipunctata Chang & Chen, 2020

Chang et al. 2020. ZooKeys, 956: 31–47

Type specimens. Holotype: ♂, China, Hainan, Bawangling (22°28'N, 106°57'E), GUGC; Paratypes: 10♂♂ 3♀♀, Hainan, Bawangling (22°28'N, 106°57'E), GUGC; 4♀♀, Hainan, Diaoluoshan (18°39'N, 109°55'E), GUGC.

Tetrichina Chang & Chen, 2020

Tetrichina trihamulata Chang & Chen, 2020

Chang et al. 2020. ZooKeys, 956: 31–47

Type specimens. Holotype: ♂, China, Hainan, Jianfengling National Park (18°42'N, 108°51'E), GUGC; Paratypes: 3♂♂2♀♀, data same as holotype, GUGC; 5♂♂, Hainan, Jianfengling (18°42'N, 108°51'E), GUGC; 2♂♂2♀♀, Hainan, Bawangling National Nature Reserve (22°28'N, 106°57'E), GUGC; 2♂♂, Hainan, Datian National Nature Reserve (19°06'N, 108°47'E), GUGC.

Tetrichina fuscovinclum Wang & Bourgoin Wang & Bourgoin, 2020

Wang et al. 2020. Zootaxa, 4858 (4): 589–600

Type specimens. Holotype: ♂, China, Hainan, Yinggeling, Yinggezui (N 19° 03.049', E 109° 33.751', 693 m), IZCAS. Paratype: 1♀, Hainan, Jianfengling, NWAUFU.

Microsarimodes flavomaculata Wang & Bourgoïn, 2020

Wang et al. 2020. *Zootaxa*, 4858 (4): 589–600

Type specimen. Holotype: ♂, China, Yunnan, Mangshi, NWAUFU.

Malcidae

Malcus alatus Wang & Bu, 2020

Wang & Bu. 2020. *Zootaxa*, 4759 (1): 031–048

Type specimen. Holotype: ♀, China, Yunnan, Tengchong County, NKU.

Malcus bacillus Wang & Bu, 2020

Wang & Bu. 2020. *Zootaxa*, 4759 (1): 031–048

Type specimens. Holotype: ♂, China, Yunnan, Dehong Prefecture, Yingjiang County, Tongbiguan Township (1531m–1790m), NKU. Paratype: 1♂, same locality as holotype, 1530m, NKU.

Malcus externus Wang & Bu, 2020

Wang & Bu. 2020. *Zootaxa*, 4759 (1): 031–048

Type specimens. Holotype: ♂, China, Tibet, Linzhi City, Medog County, NKU. Paratypes: 2♀♀, same data as the holotype, NKU.

Malcus planus Wang & Bu, 2020

Wang & Bu. 2020. *Zootaxa*, 4759 (1): 031–048

Type specimens. Holotype: ♂, China, Yunnan, Ruili City, Botanical Garden (1200m), NKU. Paratypes: 3♂♂2♀♀, same data as the holotype, NKU.

Malcus zhengi Wang & Bu, 2020

Wang & Bu. 2020. *Entomotaxonomia*, 42(4): 252–257

Type specimens. Holotype: ♂, China, Tibet, Nyingchi City, Zayu County, next to the highway of Ping'an Hotel (97.017E 28.5014N, 1254 m), NKU. Paratypes: 1♂5♀♀, same data as the holotype, NKU.

Meenoplidae

Metanigrus rotundatus Liu & Qin, 2020

Liu & Qin. 2020. *Entomotaxonomia*, 42 (1): 25–32

Type specimens. Holotype: ♂, China, Yunnan, Daluo, NWAUFU. Paratypes: 3♂♂4♀♀, same data as holotype, NWAUFU.

Miridae

Fulvius yunnanicus Gorczyca, Wolski & Tazsakowski, 2020

Gorczyca et al. 2020. *Bonn zoological Bulletin*, 69 (1): 123–130

Type specimens. Holotype: ♂, China, Yunnan, 1.8 km W Zizhi vill. (25°44.7' N, 98°33.6' E, 2005m), NMPCR. Paratype: 1♀, same data as for holotype, NMPCR.

Pseudococcidae

Atrococcus rushuiensis Zhang, 2020

刘童祎, 陈静, 姜立云, 乔格侠 (2021) 中国半翅目等29目昆虫2020年新分类单元. 生物多样性, 29, 1050–1057. <http://www.biodiversity-science.net/CN/10.17520/biods.2021200>.

Zhang et al. 2020. ZooKeys, 950: 33–40

Type specimens. Holotype: ♀, China, Jiangxi, Fuzhou City, Rushui Forest Park (27°58'N, 116°22'E), JAU. Paratypes: 8♀♀, same data as holotype, JAU.

Kermicus huizhouensis Wu & Huang, 2020

Wu et al. 2020. Zootaxa, 4859 (3): 440–450

Type specimens. Holotype: adult female, China, Guangdong, Huizhou, Huiyang, Qianfeng, BFUC. Paratypes: 5 adult females, 6 first-instar nymphs, 4 second-instar female nymphs, all same data as holotype, BFUC; 2 adult females, 4 first-instar nymphs, same location as holotype, GEEP.

Anomoneura taiwanica Cho & Liao, 2020

Cho et al. 2020. ZooKeys, 917: 117–126

Type specimens. Holotype: ♂, China, Taiwan, Miaoli Co., Nanzhuang, Daping (24°32'07"N, 120°58'11"E, 525m), NCHU. Paratypes: 108♂♂103♀♀, China, Taiwan, 6 immatures, same data as for holotype, NCHU, TNMNS, NHMB; 7♂♂12♀♀, Miaoli Co., Dongho (24°32'12"N, 121°01'30"E, 1040m), NCHU; 1♀, China, Nan tou Co., Huisun forest station, (24°05'23"N, 121°01'50"E, 694 m), NCHU; 10♂♂3♀♀, 14 immatures, same locality as for preceding, NCHU.

Reduviidae

Chenicoris Chen & Cai, 2020

Chenicoris dilatatus Chen & Cai, 2020

Chen et al. 2020. European Journal of Entomology, 117, 252–259

Type specimens. Holotype: ♂, China, Guangxi, Jinxiu, Mt. Dayaoshan, Luoyingou (1200m), CAU. Paratypes: 1♀, China, Guangxi, Jinxiu, Mt. Dayaoshan, Fenzhantun (24°07'14.96"N, 110°12'33.90"E, 950 m), CAU; 1♀, China, Guangxi, Jinxiu, Mt. Dayaoshan, Laoshanlinchang (24°07'54.97"N, 110°13'42.95"E, 1200m), CAU.

Chinemesa chinensis Chen, Li & Cai, 2020

Chen et al. 2020. Annales de la Société entomologique de France (N.S.)

Type specimens. Holotype: ♂, China, Yunnan, Dehong Autonomous Prefecture, Longchuan County, Husa (24°27'36"N 97°53'24"E, 1700 m), CAU. Paratypes: 4♂♂, same locality and collector as holotype, CAU.

Trioza turouguei Tung, Liao, Burckhardt & Yang, 2020

Tung et al. 2020. ZooKeys, 958: 91–106

Type specimens. Holotype: ♂, China, Taiwan, Taichung City, Shalien Lane (24°11'20"N, 120°55'06"E), NCHU. Paratypes: 15♂♂17♀♀, China, Taiwan, Taichung City, Upper Kukuan; 1♂, 1♀, 6 immatures, Nantou Co., Hui-Sun Forest Station (24°05'24"N, 121°02'03"E), NCHU, NHMB, TNMNS.

Veliidae

Perittopus anthracinus Ye & Bu, 2020

Ye et al. 2020. Zootaxa, 4858 (3): 417–426

Type specimens. Holotype: ♀, apterous, China, Yunnan, Honghe, Jinping County, Adebo village (22°54'N, 103°13'E), NKU. Paratypes: 1♂1♀, apterous, same data as holotype, NKU.

螳螂目 Mantodea

Eremiaphilidae

Didymocorypha libaii Wu & Liu, 2020

Wu & Liu. 2020. ZooKeys, 922: 51–63

Type specimens. Holotype: ♂, China, Tibet, Gyirong County (28.404N, 85.332E, 3300 m), IZCAS. Paratypes: 4♂♂6♀♀, China, Tibet, Gyirong County (28.397N, 85.351E, 2800–3300 m), IZCAS; 3♂♂3♀♀, PWC; 1♀, CJZ; 1♀, Tibet, Gyirong County (28.363N, 85.339E, 2672 m), PWC.

Mantidae 螳科

Hierodula maculata Wang, Zhou & Zhang, 2020 污斑斧螳

Wang et al. 2020. Entomotaxonomia, 42(2): 81–100

Type specimens. Holotype: ♂, China, Guangdong, Chebaling (350 m), SEMCAS. Paratypes: China, 1♂, Sichuan, Leshan city, SEMCAS; 2♀♀, Sichuan, Leshan city, SEMCAS.

Hierodula macrodentata Wang, Zhou & Zhang, 2020 巨齿斧螳

Wang et al. 2020. Entomotaxonomia, 42(2): 81–100

Type specimens. Holotype: ♂, China, Yunnan, Jinghong Sanchahe, SEMCAS. Paratypes: 1♂1♀, same as holotype, SEMCAS.

Hierodula pistillinota Wang, Zhou & Zhang, 2020 杵胸斧螳

Wang et al. 2020. Entomotaxonomia, 42(2): 81–100

Type specimens. Holotype: ♂, China, Yunnan, Jinghong Rezuosuo, SEMCAS; Paratype: 1♂, China, Yunnan, Xishuangbanna (545 m), NWAUFU.

长翅目 Mecoptera

Bittacidae

Bittacus acutus Zhang, Du & Hua, 2020

Zhang et al. 2020. Zootaxa, 4718 (3): 381–390

Type specimens. Holotype: ♂, China, Guangxi, Mao'ershan Nature Reserve (25°53'25"N, 110°29'08"E, 1100 m), NWAUFU. Paratype: 1♀, same data as for the holotype, NWAUFU.

Bittacus longilobus Zhang, Du & Hua, 2020

Zhang et al. 2020. Zootaxa, 4718 (3): 381–390

Type specimens. Holotype: ♂, China, Guangdong, Meizhou, Mt. Yim Na (24°24'11"N, 116°24'28"E, 700 m), NWAUFU. Paratypes: 5♂♂5♀♀, same data as for the holotype, NWAUFU.

Bittacus shaoguanensis Zhang, Du & Hua, 2020

Zhang et al. 2020. Zootaxa, 4718 (3): 381–390

Type specimens. Holotype: ♂, China, Guangdong, Shaoguan, Tsao Kok Wan (24°43'35"N, 113°53'06"E, 300 m), NWAUFU. Paratypes: 14♂♂8♀♀, same data as for the holotype, NWAUFU.

Panorpidae

Dicerapanorpa bifurcata Hu & Hua, 2020

Hu & Hua. 2020. European Journal of Taxonomy, 711: 1–13

Type specimens. Holotype: ♂, China, Sichuan, Pingwu County, Wanglang Nature Reserve (32.92° N, 104.16° E,

刘童祎, 陈静, 姜立云, 乔格侠 (2021) 中国半翅目等29目昆虫2020年新分类单元. 生物多样性, 29, 1050–1057. <http://www.biodiversity-science.net/CN/10.17520/biods.2021200>.

2500 m), NWAU. Paratypes: 2♂♂14♀♀, China, Sichuan, same data as for the holotype, NWAU; 1♂, Maoxian County, Tudiling (31.71° N, 103.92° E, 2500 m), NWAU.

Dicerapanorpa zhengkuni Hu & Hua, 2020

Hu & Hua. 2020. European Journal of Taxonomy, 711: 1–13

Type specimens. Holotype: ♂, China, Guizhou, Jiangkou County, Fanjinshan Nature Reserve (27.91° N, 108.65° E, 2200 m), NWAU. Paratypes: 13♂♂65♀♀, China, Guizhou, same data as for the holotype, NWAU; 2♂♂1♀, Leishan County, Leigongshan Nature Reserve (26.37° N, 108.17° E, 1600 m), NWAU.

Cerapanorpa minshana Gao, Li & Hua, 2020

Gao et al. 2020. ZooKeys, 971: 17–30

Type specimens. Holotype: ♂, China, Shaanxi, Taibaishan Nature Reserve (33°53'N, 107°48'E, 2100 m), NWAUFU. Paratypes: 2♂♂5♀♀, same data as for holotype, NWAUFU; 6♂♂10♀♀, Zhouzhi County, Qinlingliang (33°49'N, 107°45'E, 2050 m), NWAUFU; 12♂♂18♀♀, Foping Nature Reserve (33°41'N, 107°52'E, 2200 m), NWAUFU; 5♂♂4♀♀, Ningshan County, Pingheliang (33°28'N, 108°29'E, 2200 m), NWAUFU; 3♂♂, Yangxian County, Changqing Nature Reserve (33°42'N, 107°32'E, 2400 m), NWAUFU.

Cerapanorpa qinlingensis Gao, Li & Hua, 2020

Gao et al. 2020. ZooKeys, 971: 17–30

Type specimens. Holotype: ♂, China, Sichuan, Jiuzhaigou County, Anle Town (33°22'N, 104°14'E, 2400 m), NWAUFU. Paratypes: 27♂♂34♀♀, same data as for holotype, NWAUFU; 1♂1♀, Jiuzhaigou County, Majia Town (33°08'N, 104°05'E, 2100 m), NWAUFU; 1♀, Jiuzhaigou County, Zhangzha Town (33°16'N, 103°54'E, 2160 m), NWAUFU; 18♂♂22♀♀, Gansu, Wenxian County, Gaoloushan (33°04'N, 104°42'E, 2200 m), NWAUFU.

Panorpa diqingensis Li & Hua, 2020

Li & Hua. 2020. Journal of Asia-Pacific Entomology, 23: 138–145

Type specimens. Holotype: ♂, China, Yunnan, Diqing, Shangri-La (2600–2700 m). Paratypes: 33♂♂25♀♀, same data as for the holotype, NWAUFU.

Panorpa dispergens Li & Hua, 2020

Li & Hua. 2020. Journal of Asia-Pacific Entomology, 23: 138–145

Type specimens. Holotype: ♂, China, Yunnan, Diqing, Shangri-La (27.37°N, 100.13°E, 2700 m), NWAUFU. Paratypes: 1♂3♀♀, same data as holotype, NWAUFU; 13♂♂12♀♀, Diqing, Shangri-La (2600–2700 m), NWAUFU.

脉翅目 Neuroptera

Berothidae

Berothera incurvata Li, H. Aspöck, U. Aspöck & Liu, 2020

Li et al. 2020. Zootaxa, 4890 (4): 509–520

Type specimens. Holotype: ♂, China, Yunnan, Puer City, Simao District, Dachun River [大椿河] (1750 m), CAU. Paratypes: 1♂1♂, China, Yunnan, Yuxi City, Yuanjiang County, Mt. Jiangdongmianshan [元江江东面山] (900 m), CAU.

Chrysopidae

Ankylopteryx yangi Ma, Yang & Liu, 2020

Ma et al. 2020. *ZooKeys*, 906: 41–71

Type specimens. Holotype: ♂, China, Guizhou, Libo, Maolan, Limingguan, CAU. Paratypes: 1♀, China, Guizhou, Libo, Maolan Limingguan, CAU; 1♀, China, Taiwan, Pingtung, Lilungshan, CAU.

Austrochrysa angusta Ma, Yang & Liu, 2020

Ma et al. 2020. *Zootaxa*, 4822 (1): 101–112

Type specimens. Holotype: ♂, China, Yunnan, Xishuangbanna (西双版纳), Menglun (勐仑), No.55 Experimental site (780 m), CAU. Paratypes: 20♂♂17♀♀, China, Yunnan, Xishuangbanna (西双版纳), Menglun (勐仑), No.55 Experimental site (780 m), CAU; 3♂♂1♀, China, Yunnan, Xishuangbanna (西双版纳), Menglun (勐仑), No.55 Experimental site (780 m), CAU.

Austrochrysa lihongyui Ma, Yang & Liu, 2020

Ma et al. 2020. *Zootaxa*, 4822 (1): 101–112

Type specimens. Holotype: ♂, China, Tibet, Mêdog (墨脱), Miri vill. (810 m), CAU. Paratype: 1♂, China, Xizang, Mêdog (墨脱), Miri vill. (810 m), CAU.

Dilaridae

Dilar muliensis Li & Liu, 2020

Li & Liu. 2020. *Journal of Asia-Pacific Entomology*, 23: 915–922

Type specimens. Holotype: ♂, China, Sichuan, Liangshan State, Muli County, Boke Village (N28°06'11" E100°56'29", 2539 m), CAU. Paratypes: 7♂♂, same data as holotype, CAU; 3♂♂, China, Sichuan, Liangshan State, Muli County, Keer Village, Songjiagou (N28°03'43" E101°01'48", 2539 m), CAU.

Dilar punctulosus Li & Liu, 2020

Li & Liu. 2020. *Journal of Asia-Pacific Entomology*, 23: 915–922

Type specimen. Holotype: ♂, China, Sichuan, Liangshan State, Muli County, Shawan Town, Nawa Village, near Wujia River (N28°15'24" E100°54'12", 2619 m), CAU.

Ithonidae

Rapisma weixiense Liu, 2020

Liu. 2020. *Zootaxa*, 4763 (3): 439–443

Type specimen. Holotype: ♂, China, Yunnan, Weixi, Samage (27°32'37.40"N 99°21'15.74"E, 2182 m), CAU.

Mantispidae

Allomantispa coniprocessa Li, Wu, Ohl & Liu, 2020

Li & Liu. 2020. *Journal of Asia-Pacific Entomology*, 988–1002

Type specimens. Holotype: ♂, China, Yunnan, Xishuangbanna, Mengla County (1100 m), CAU. Paratypes: 1♀, China, Yunnan, Xishuangbanna, Mengla County (1100 m), IZCAS; 1♂, China, Yunnan, Honghe, Lvchun County, Huanglianshan National Nature Reserve (1450 m), CAU; 1♂, China, Yunnan, Honghe, Lvchun County, Huanglianshan National Nature Reserve (1450 m), IZCAS; 1♀, China, Yunnan, Xishuangbanna, Mengla County (1100 m), CAU; 1♀, China, Yunnan, Honghe, Lvchun County, Huanglianshan National Nature Reserve (1450 m), PCW.

蜻蜓目 Odonata

Calopterygidae

Caliphaea hermannkunzi Zhang & Hämäläinen, 2020

Zhang & Hämäläinen. 2020. *Zootaxa*, 4895 (1): 103–110

Type specimens. Holotype: ♂, China, Yunnan, Lufeng County, Chuxiong City, Gaofeng village, (25°18'43"N, 101°54'12"E, 2120 m), KIZCAS. Paratypes: 4♂♂1♀, same collecting data as for the holotype, KIZCAS; 1♂, RMNH, KIZCAS.

Platycnemididae

Coelliccia tongbiguan Dow & Zhang, 2020

Dow & Zhang. 2020. *Zootaxa*, 4767 (3): 492–494

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang County, Dehong Dai & Jingpo Autonomous Prefecture, Tongbiguan (24.64079N, 97.58712E, ca 970 m), RMNH. Paratypes: 2♂♂, same location as holotype male, RMNH; 2♂♂, same location as holotype male, RMNH.

Coelliccia yunnanensis Dow & Zhang, 2020

Dow & Zhang. 2020. *Zootaxa*, 4767 (3): 492–494

Type specimens. Holotype: ♂, China, Yunnan, Yingjiang County, Dehong Dai & Jingpo Autonomous Prefecture, Tongbiguan (24.61522N, 97.58558E, ca 1245 m), RMNH. Paratypes: 1♂1♀, data as holotype, RMNH; 7♂♂3♀♀, other data as holotype, RMNH.

直翅目 Orthoptera

Acrididae

Euthystiroides heilongjiangensis Li, Wen & Zhi, 2020

Li et al. 2020. *Zootaxa*, 4767 (3): 492–494

Type specimens. Holotype: ♂, Heilongjiang, Mohe, Xingan (53°24'30"-53°24'35"N, 123°24'35"), NMHU. Paratype: 1♀, Heilongjiang, Mohe, Xingan (53°24'30"-53°24'35"N, 123°24'35"), NMHU.

Mongolotettix moheensis Zhang, Lv & Yin, 2020

Zhang et al. 2020. *Zootaxa*, 4759 (1): 147–150

Type specimens. Holotype: ♂, Heilongjiang, Mohe, Arctic Village (53°33'30" N, 122°20'27"), NMHU. Paratypes: 6♂♂ 3♀♀, Heilongjiang, Mohe, Arctic Village (53°33'30" N, 122°20'27"), NMHU.

Anostomatidae 丑蠹科

Melanabropsis Wang & Liu, 2020 乌黯蠹属

Melanabropsis tianmuica Wang & Liu, 2020 天目乌黯蠹

Wang & Liu. 2020. *Zootaxa*, 4809 (3): 509–520

Type specimens. Holotype: ♂, Zhejiang, west Tianmu Mountain, Lin'an City (1100m), SEMCAS. Paratypes: 1♂, Zhejiang, west Tianmu Mountain, Lin'an City (1132m), SEMCAS; 1♂, Zhejiang, Tianmu Mountain N. R., Lin'an City (1100 m), SEMCAS; 1♂, Zhejiang, west Tianmu Mountain, (1100 m), SEMCAS; 1♂, China, Guangxi, Guangfuding, Huaping N. R., Lin'gui County (1780 m), SEMCAS; 1♂, Guangxi, Mao'er Mountain (1600 m), SEMCAS; 2♀♀, Zhejiang, west Tianmu Mountain (1100m), SEMCAS; 2♀♀, Zhejiang, Laodian, west Tianmu Mountain (1100m), SEMCAS; 1♀, west Tianmu Mountain, Zhejiang (1100m), SEMCAS; 1♀, Zhejiang, west Tianmu Mountain (1200 m), SEMCAS; 1♀, Zhejiang, west Tianmu Mountain, Lin'an City (987~1132 m), SEMCAS; 1♀, Zhejiang, Tianmu Mountain N. R., (1402~1500m), SEMCAS.

Batrachididae

Saussurella yunnanensis Mao, Han & Li, 2020

Han et al. 2020. *Entomotaxonomia*, 42(1): 6–11

Type specimens. Holotype: ♀, Yunnan, Yingjiang (24°40'N, 97°35'E, 674 m), BMDU. Paratype: 1♂, data same as holotype, BMDU.

Catantopidae

Lemba wushanensis Yin, Shen & Yin, 2020

Yin et al. 2020. *Zootaxa*, 4894 (2): 287–291

Type specimens. Holotype: ♂, Chongqing, Wushan, NPIBCAS. Paratypes: 1♀, Chongqing, Wushan, NPIBCAS.

Gryllacrididae

Eremus lincangensis Yang, Jing & Bian, 2020

Yang et al. 2020. *Zootaxa*, 4895 (1): 146–150

Type specimens. Holotype: ♂, China, Yunnan, Nangunhe National Nature Reserve, Wengding Village Mengjiao Town, Cangyuan Country, Lincang Prefecture (23°16'39.1"N, 99°11'21.4"E, 1790 m), BMDU. Paratype: 1♂, China, Yunnan, Mohan, Mengla, BMDU.

Gryllidae

Loxoblemmus rectilineus Ma & Qiao, 2020

Qiao et al. 2020. *Zootaxa*, 4732 (3): 481–487

Type specimens. Holotype: ♂, China, Yunnan, Xishuangbanna, botanical garden, SNNU. Paratypes: ♂, China, Yunnan, Mengla District, Wangtianshu, SNNU.

Mirigryllus He, 2020

Mirigryllu nigrus He, 2020

He et al. 2020. *Zootaxa*, 4869 (1): 112–120

Type specimens. Holotype: ♂, China, Zhejiang, Lin'an, Qingliangfeng Mt. (N 30°06'39" E 118°54'01", 920m), ECNU. Paratypes: 3♂♂5♀♀, same data as holotype, ECNU.

Tarbinskiellus sororius Wang, Zhang & Liu, 2020

Wang et al. 2020. *Zootaxa*, 4729 (4): 575–581

Type specimens. Holotype: ♂, China, Yunnan, Lvchun, Kucong, Luoshi, NMHU. Paratypes: 2♂♂2♀♀, same data as the holotype, NMHU; 2♂♂, China, Yunnan, Lvchun, Yakou, NMHU.

Mogoplistidae

Ornebius yunnanensis Wang, Zhang & Liu, 2020

Wang et al. 2020. *Zootaxa*, 4729 (4): 575–581

Type specimen. Holotype: ♂, China, Yunnan, Malipo, Mt. Laojun, NMHU.

Pamphagidae

Haplotropis heiheensis Zhang, Li & Yin, 2020

Zhang et al. 2020. *Zootaxa*, 4742 (2): 392–394

Type specimens. Holotype: ♂, China, Heilongjiang, Heihe City (50°19' N, 127°17' E, 266 m), SAU. Paratypes: 1♂6♀♀, China, (50°19' N, 127°17' E, 266 m), SAU.

Sulcohumpacris wuanensis Li, Zhi & Yin, 2020

Li et al. 2020. *Zootaxa*, 4869 (1): 146–148

Type specimens. Holotype: ♂, Paratype: 1♀, China, Hebei, Wuan, 36°44' N, 113°59' E, NMHU.

Sulcotropis xiaowutaiensis Li, Zhang & Yin, 2020

Li et al. 2020. *Zootaxa*, 4802 (3): 541–555

Type specimens. Holotype: ♂, Paratypes: 1♂2♀♀, China, Hebei, Xiaowutai mountain, NMHU.

Rhaphidophoridae

Gymnaetoides polaoensis Feng, Huang & Luo, 2020

Feng et al. 2020. *Zootaxa*, 4885 (3): 447–450

Type specimens. Holotype: ♂, China, Guizhou, Polao Cave, Zhenfeng County, Southwest Guizhou Autonomous Prefecture. Paratype: 1♂, same data as the holotype. GUGC.

Microtachycines trispinosus Qin & Li, 2020

Qin et al. 2020. *Zootaxa*, 4801 (3): 570–576

Type specimens. Holotype: ♂, China, Jiangxi, Sanqingshan, Tiyunling-Xianrenzhilu (1240–1400m). Paratype: 1♂, China, Jiangxi, Sanqingshan, Xihai'an-Sanqingfudi-Yangguanghai'an (1500m), SEMCAS.

Tachycines shuangcha Feng, Huang & Luo, 2020

Feng et al. 2020. *Zootaxa*, 4820 (3): 563–571

Type specimens. Holotype: ♂, China, Guizhou, Shuangcha Cave, Mayanghe National Nature Reserve, Yanhe Tujia Autonomous County, Tongren City, GUGC. Paratypes: 7♂♂5♀♀, same data as the holotype, GUGC.

Tachycines tongrenus Feng, Huang & Luo, 2020

Feng et al. 2020. *Zootaxa*, 4820 (3): 563–571

Type specimens. Holotype: ♂, China, Guizhou, Shuangcha Cave, Mayanghe National Nature Reserve, Yanhe Tujia Autonomous County, Tongren City, Guizhou, GUGC. Paratypes: 12♂♂3♀♀, same data as the holotype, GUGC.

Tachycines zaoshu Feng, Huang & Luo, 2020

Feng et al. 2020. *Zootaxa*, 4820 (3): 563–571

Type specimens. Holotype: ♂, China, Guizhou, Zaoshu Cave, Mayanghe National Nature Reserve, Yanhe Tujia Autonomous County, Tongren City, GUGC. Paratypes: 11♂♂5♀♀, same data as the holotype, GUGC.

Tachycines trapezialis Zhou & Yang, 2020

Zhou & Yang. 2020. *ZooKeys*, 937: 21–29

Type specimens. Holotype: ♂, China, Guizhou, Diaosiyang Cave, Ziyun County, (25°35.06' N, 106°12.32' E, 1110–1120 m), GZNU. Paratypes: 1♀, same data as holotype, GZNU.

Tachycines bifolius, Zhu, Chen & Shi, 2020

Zhu et al. 2020. *Zootaxa*, 4809 (1): 071–094

刘童祎, 陈静, 姜立云, 乔格侠 (2021) 中国半翅目等29目昆虫2020年新分类单元. 生物多样性, 29, 1050–1057. <http://www.biodiversity-science.net/CN/10.17520/biods.2021200>.

Type specimens. Holotype: ♂ China, Guizhou, Shahe Cave, Yunihe, Panzhou City. Paratypes: 1♂♂2♀♀, same collection data as for holotype, NMHU, GZIB.

Tachycines latiliconcavus Zhu, Chen & Shi, 2020

Zhu et al. 2020. Zootaxa, 4809 (1): 071–094

Type specimens. Holotype: ♂, China, Sichuan, Longmen Cave, Longmen Village, Lushan County. Paratypes: 3♂♂1♀, same collection data as for holotype, NMHU, GZIB.

Tachycines liboensis Zhu, Chen & Shi, 2020

Zhu et al. 2020. Zootaxa, 4809 (1): 071–094

Type specimen. Holotype: ♂, China, Guizhou, Maan Cave, Banzhai, Libo County, NMHU, GZIB.

Tachycines nulliscleritus Zhu, Chen & Shi, 2020

Zhu et al. 2020. Zootaxa, 4809 (1): 071–094

Type specimens. Holotype: ♂, China, Hunan, Jinji Cave, Nanjiaping, Huangyan Village. Paratype: 1♀, same collection data as for holotype. NMHU, GZIB.

Tachycines paradoxus Zhu, Chen & Shi, 2020

Zhu et al. 2020. Zootaxa, 4809 (1): 071–094

Type specimens. Holotype: ♂, China, Guizhou, Cave, Pogang Village, Zhengtun Town, Xingyi City. Paratypes: 3♂♂1♀, same collection data as for holotype, NMHU, GZIB.

Tachycines taenus Zhu, Chen & Shi, 2020

Zhu et al. 2020. Zootaxa, 4809 (1): 071–094

Type specimens. Holotype: ♂, China, Guangxi, Gan Cave, Quishang Tun, Xinyan Village, Donglan County. Paratype: 1♀, same collection data as for holotype, NMHU, GZIB.

Tachycines tuberus Zhu, Chen & Shi, 2020

Zhu et al. 2020. Zootaxa, 4809 (1): 071–094

Type specimens. Holotype: ♂, China, Guizhou, Zhuanwan Cave, Sanglang Town, Wangmo County. Paratypes: 1♂2♀♀, same collection data as for holotype, NMHU, GZIB.

Tachycines umbellus Zhu, Chen & Shi, 2020

Zhu et al. 2020. Zootaxa, 4809 (1): 071–094

Type specimens. Holotype: ♂, China, Hunan, Xianhua Cave, Suoxiyu, Zhangjiajie City. Paratypes: 1♂2♀♀, same collection data as for holotype, NMHU, GZIB.

Paradiestrammena trigona Zhu, Lu & Shi, 2020

Zhu et al. 2020. Journal of Natural History, 54:19-20

Type specimens. Holotype: ♂, China, Yunnan, Benlonggong, Yingjiang, NMHU. Paratypes: 1♂, China, Yunnan, Songke, Yingjiang; 2♀♀, China, Yunnan, Tongbiguan, Yingjiang; 2♂♂1♀, China, Yunnan, Tongbiguan, Yingjiang, Yunnan, NMHU.

Paradiestrammena xima Zhu, Lu & Shi, 2020

Zhu et al. 2020. *Journal of Natural History*, 54:19-20

Type specimen. Holotype: ♂, China, Yunnan, Xima, Yingjiang, NMHU.

Tetrigidae 蚱科

Formosatettix leigongshanensis Zha & Ding, 2020

Zha et al. 2020. *ZooKeys*, 936: 61–76

Type specimens. Holotype: ♀, China, Guizhou, Leishan County, Leigong-shan Mt., (26°22'45.69" N, 108°11'42.83" E, 1460 m), HNU. Paratypes: 15♂♂6♀♀, China, Guizhou, Leigong-shan Mt. (1400–1600 m), HNU.

Formosatettix wulongensis Zha & Ding, 2020

Zha et al. 2020. *ZooKeys*, 936: 61–76

Type specimens. Holotype: ♀, China, Chongqing Autonomous Region, Wulong County, (29°20'32.27" N, 107°45'23.35" E, 470 m), HNU. Paratypes: 1♂2♀♀, same data as holotype, HNU.

Hainantettix Deng, 2020

Hainantettix strictivertex Deng, 2020

Zhang et al. 2020. *Zootaxa*, 4809 (3): 547–559

Type specimens. Holotype: ♀, China, Hainan, Qiongzong, Limushan (19°10.5417' N, 109°44.5448' E, 640 m), EMHU. Paratypes: China, Hainan: 1♂1♀, same data, type locality, EMHU; 1♂1♀, China, Hainan, Lingshui, Nanmenling (18°47.9761' N, 110°02.6688' E, 440 m), EMHU; 4♀♀, China, Hainan, Wuzhishan (18°47.9761' N, 110°02.6688' E, 440 m), EMHU; 1♀, China, Hainan, diaoluoshan, Nanmenling(18°7.5598' N, 109°8.5162' E, 500 m), EMHU; 1♀, China, Hainan, Lingshui (18°47.9761' N, 110°02.6688' E, 400 m), EMHU.

Lamellitettigodes diversifemoris Lu & Zha, 2020

Liu & Zha. 2020. *Zootaxa*, 4851 (2): 338–348

Type specimens. Holotype: ♀, China, Hainan, Ledong County, Jianfengling National Forest Park (18°44'10.07" N, 108°52'6.86" E, 830 m), HNU. Paratypes: 2♂♂2♀♀, (750-850 m), other data same as holotype, HNU.

Macromotettixoides daiyunshanensis Deng, 2020

Wei. 2020. *Zootaxa*, 4852 (1): 041–060

Type specimens. Holotype: ♀, China, Fujian, Dehua, Daiyunshan (25°06.4032' N, 118°21.7027' E, 1050 m), EMHU. Paratypes: 4♂♂6♀♀, same data, EMHU.

Macromotettixoides curvicarina Deng, 2020

Wei. 2020. *Zootaxa*, 4852 (1): 041–060

Type specimens. Holotype: ♀, China, Zhejiang, Longquan, Fengyangshan (27°52.5596' N, 119°10.8584' E, 1538m), EMHU. Paratypes: 5♂♂9♀♀, same data, EMHU; 2♀♀, China, Fujian prov., Taining, Wuyishan (27°00.6084' N, 117°07.1163' E, 1513 m), EMHU.

Macromotettixoides convexa Deng, 2020

Wei. 2020. *Zootaxa*, 4852 (1): 041–060

Type specimens. Holotype: ♀, China, Fujian, Shanghang, Meihuashan (25.342921° N, 116.838556° E, 1348m), EMHU. Paratypes: 3♀♀, same data, EMHU.

刘童祎, 陈静, 姜立云, 乔格侠 (2021) 中国半翅目等29目昆虫2020年新分类单元. 生物多样性, 29, 1050–1057. <http://www.biodiversity-science.net/CN/10.17520/biods.2021200>.

Macromotettixoides shengtangshanensis Deng, 2020

Wei. 2020. *Zootaxa*, 4852 (1): 041–060

Type specimens. Holotype: ♀, China, Guangxi, Jinxiu, shengtangshan (23°58.5999' N, 110°04.4041' E, 1200m), EMHU. Paratypes: 2♂♂8♀♀, same data, EMHU.

Macromotettixoides tuberculata Mao, Li & Han, 2020

Mao et al. 2020. *Zootaxa*, 4718 (4): 562–572

Type specimens. Holotype: ♀, China, Yunnan, Ruili (24°04.55' N, 97°48.16' E, 1417 m), BMDU. Paratype: 1♀, same data as holotype, BMDU.

Macromotettixoides truncata Mao, Li & Han, 2020

Mao et al. 2020. *Zootaxa*, 4718 (4): 562–572

Type specimens. Holotype: ♀, China, Yunnan, Yingjiang (24°36.84' N, 97°39.39' E, 1336 m), BMDU. Paratypes: 14♀♀10♂♂, same data as holotype, BMDU.

Macromotettixoides rugodorsalis Li & Mao, 2020 皱背拟大磨蚱

Li et al. 2020. *Entomotaxonomia*, 42(2): 110–115

Type specimens. Holotype: ♀, China, Yunnan, Yongping (25°11' N, 99°31' E, 2374 m), BMDU. Paratypes: 3♀♀1♂, same locality as holotype, BMDU.

Pseudepitettix hainanensis Deng, 2020

Deng. 2020. *Zootaxa*, 4789 (2): 403–440

Type specimens. Holotype: ♀, China, Hainan, Baisha, Yinggeling (19°02.3866' N, 109°34.1783' E, 350m), EMHU. Paratypes: 1♂, same data, EMHU; 2♀♀, China, Hainan, Baisha, Yinggeling (400m), EMHU; 1♂, China, Hainan, Baisha, Yinggeling (400m), EMHU.

Pseudepitettix strictivertex Deng, 2020

Deng. 2020. *Zootaxa*, 4789 (2): 403–440

Type specimens. Holotype: ♀, China, Hainan, Changjiang, Bawangling (24°50.3061' N, 108°56.4036' E, 350m), EMHU. Paratypes: 1♂, same data, type locality, EMHU; 2♀♀, China, Hainan, Baisha, Yinggeling (400m), EMHU; 1♂, China, Hainan, Baisha (Yinggeling), 400m, EMHU, NMHU.

Tuberfemurus convexa Deng, 2020

Deng. 2020. *Zootaxa*, 4789 (2): 403–440

Type specimens. Holotype: ♀, China, Zhejiang, Linan, Tianmushan, EMHU. Paratypes: 5♀♀, same data, EMHU.

Tettigoniidae

Acosmetura longielata Wang & Shi, 2020

Wang & Shi. 2020. *Journal of Orthoptera Research*, 29(2): 115–120

Type specimens. Holotype: ♂, China, Guangdong, Ruyuan, Nanling, 15.VI.2019, MHU. Paratypes: 2♂♂2♀♀, China, Guangdong, Ruyuan, Nanling, NMHU.

Allicyrtaspis phryganis Wang, Zhou & Chang, 2020

刘童祎, 陈静, 姜立云, 乔格侠 (2021) 中国半翅目等29目昆虫2020年新分类单元. 生物多样性, 29, 1050–1057. <http://www.biodiversity-science.net/CN/10.17520/biods.2021200>.

Wang et al. 2020. *Zootaxa*, 4802 (1): 182–188

Type specimens. Holotype: ♂, China, Guizhou, Fangxiang, Leishan, NMHU. Paratypes: 2♂♂1♀, China, Guizhou, Fangxiang, Leishan, NMHU; 1♀, China, Guizhou, Fangxiang, Leishan.

Eoxizicus bifurcatus Liu, 2020

Jin et al. 2020. *Zootaxa*, 4772 (1): 001–053

Type specimen. Holotype: ♂, China, Taiwan, Tsaoshan (200–300 m), BMH.

Pseudocosmetura yaoluopingensis Wang & Shi, 2020

Wang & Shi. 2020. *Journal of Orthoptera Research*, 29(2): 115–120

Type specimens. Holotype: ♂, China, Anhui, Yuexi, Yaoluoping, MHU. Paratypes: 1♂, China, Anhui, Yuexi, Yaoluoping, NMHU; 1♀, Anhui, Yuexi, Yaoluoping, NMHU.

Macroteratura inospina Chen, Cui & Chang, 2020

Chen et al. 2020. *Zootaxa*, 4857 (1): 095–104

Type specimens. Holotype: ♂, China, Yunnan, Tongbiguan, Yingjiang. Paratype: 1♀, China, Yunnan, Tongbiguan, Yingjiang, NMHU.

Mecopoda crescendo Liu, 2020

Liu et al. 2020. *Zootaxa*, 4758 (2): 296–310

Type specimens. Holotype: ♂, China, Yunnan, Mengla County, Wangtianshu Scenic Spot, (21.5998 N, 101.5869 E), IZCAS. Paratypes: 14♂♂1♀, same data as in holotype, IZCAS; 6♂♂2♀♀, China, Yunnan, Mengla County, Menglun Botanic Garden (21.9237 N, 101.2711), IZCAS; 5♀♀, China, Yunnan, Menglun (795 m), IZCAS; 1♀, China, Yunnan, Menglun, IZCAS.

Mecopoda himalaya Liu, 2020

Liu et al. 2020. *Zootaxa*, 4758 (2): 296–310

Type specimens. Holotype: ♂, China, Yunnan, Honghe City, Jinping County, Mengqiao Village, Mengping (474 m), IZCAS. Paratypes. 1♂, China, Yunnan, Honghe City, Jinping County, Suburb of Jinping County (500 m), IZCAS.

Mecopoda tibetensis Liu, 2020

Liu et al. 2020. *Zootaxa*, 4758 (2): 296–310

Type specimens. Holotype: ♂, China, Tibet, Motuo, Maniweng, IZCAS. Paratypes: 6♂♂2♀♀, China, Tibet, Motuo, Urban District (1084 m), IZCAS; 10♂♂; 1♂, China, Tibet, Beibeng Village, IZCAS; 2♂♂, China, Tibet, at light, 108K near Zamo Road, Qiaotou Hotel, IZCAS; 1♂, China, Tibet, Maniweng, 2♂♂, China, Tibet, Didong, IZCAS.

Mecopoda confracta Liu, 2020

Liu et al. 2020. *Zootaxa*, 4758 (2): 296–310

Type specimens. Holotype: ♂, China, Yunnan, Mengla County, Wangtianshu Scenic Spot, (21.5998 N 101.5869 E), IZCAS. Paratypes: 10♂♂, same data as in holotype, IZCAS; , 6♂♂1♀, China, Guangxi, Nanning City, Damingshan Scenic Spot, (23.3844 N 108.5507 E), IZCAS; 2♂♂, Longzhou City, Nonggang Nature Reserve, IZCAS; 1♂, China Yunnan, Mengla County, Menglun Botanic Garden (21.9237 N 101.2711 E), IZCAS; 3♂♂, China, Yunnan, Wenshan County, Maguan Village, IZCAS; 1♂, China, Yunnan, Jin Ping, IZCAS; 2♂♂ 2♀♀, China, Yunnan, Ruili

City, Botanic Garden, IZCAS; 4♂♂, Bangda Village (1432 m), IZCAS; 1♂, China, Guangdong, Zhaoqing City, Dinghushan Nature Reserve (22.6722 N 113.9738 E), IZCAS; 1♂, China, Guangdong, Heishiding Nature Reserve, IZCAS.

Mecopoda synconfracta Liu, 2020

Liu et al. 2020. *Zootaxa*, 4758 (2): 296–310

Type specimens. Holotype: ♂, China, Guangxi, Baise City, Tiandong City, Suburban District (23.6311 N, 107.1258 E). Paratypes: 12♂♂, same data as in holotype, IZCAS; 31♂♂3♀♀, China, Guangdong, Shenzhen City, Suburban District (22.6722 N 113.9738 E), IZCAS; 2♂♂4♀♀, China, Hainan, Jianfengling Nature Reserve (18.74 N, 108.74 E), IZCAS; 25♂♂15♀♀, China, Hainan, Bawangling Nature Reserve, IZCAS; 2♂♂, China, Guangxi, Shaoping, IZCAS; 1♀, China, Yunnan, Hekou City, Nanxi, IZCAS.

Mecopoda minor Liu, 2020

Liu et al. 2020. *Zootaxa*, 4758 (2): 296–310

Type specimens. Holotype: ♀ Korea, NHML. Paratypes: 1♂, China, Hongkong; China, Anhui; 1♂, China, Anhui, Huangshan City, Pingdingshan; 5♂♂, China, Anhui, Tongling City; 1♂1♀, China, Anhui, Dongzhi County; 1♀, China, Fujian, Nanping City, Shangyang; 1♀, China, Fujian, Shaowu County, Chengguan; 3♂♂2♀♀, China, Fujian, Shaxian County; China, Guangxi, 1♂, China, Guangxi, Wuming County; 7♂♂, Quanzhou County; 19♂♂, Maoershan, Tongren Station; 3♂♂, Liuzhou City, Luzhai Mountain; 1♀; 1♂, Fengshan County; 6♂♂4♀♀, Guilin City; 3♂♂, Nanning City, Daming Mountain; China: Zhejiang: 10♂♂5♀♀, Jinhua City, Pujiang County; 1♀, Zhoushan City; 1♂, Hangzhou City, Gushan. China, Hubei : 4♂♂, Jingmen City, Queji Village; 6♂♂, Huanggang City, Qichun County; China: Guizhou: 1♀ Meitan County; China, Hunan: 3♀♀1♂, Huarong County; 1♂, Cili County; 1♀, Hengyang City; China, Jiangsu: 1♀♀3♂, Nanjing City, Niushou Mountain; 1♂ 2♀♀, Shanghai City; China, Jiangxi: 1♂ Jiujiang County; 1♀7♂♂, Ji'an City, Qingyuan Mountain; 1♂, Lushan City, Luling Town; China, Guangdong : 2♂♂, Huizhou City, Nankunshan; 1♂, Shenzhen City; 1♂, Taiwan Province: Nantou County, Huisun Forest Farm; China, Henan: 1♂, Xinyang City, Liankang Mountain; 1♀, Sichuan ; 1♂1♀, Chongqing City, IZCAS.

Mecopoda minor yunnana Liu, 2020

Liu et al. 2020. *Zootaxa*, 4758 (2): 296–310

Type specimens. Holotype: ♂, China, Yunnan, Yuxi City, Cengjiang, Jiucheng Village (24.6668 N, 102.9463 E), IZCAS. Paratypes: 15♂♂2♀♀, same data as in holotype, IZCAS; 5♂♂, China, Yunnan, Yuanmou, urban District (25.7081 N 101.8732 E), IZCAS.

Nahlaksia hainanensis He & Wang, 2020

He et al. 2020. *Zootaxa*, 4877 (1): 195–200

Type specimens. Holotype: ♂, China, Hainan, Ledong, Jianfengling, ECNU. Paratypes: 1♂, 1♀ nymph, China, Hainan, Sanya, Baolong, ECNU; 3♂ nymphs 4♀ nymphs, China, Hainan, Changjiang, Bawangling, ECNU; 1♀ 1♂ nymph, China, Hainan, Wuzhishan, 400 m; 1♀, China, Hainan, Changjiang, Bawangling (460~1500 m), SEMCAS.

Neocosmetura Xin, Wang & Shi, 2020 (新饰尾蝻属)

Neocosmetura torcha Xin, Wang & Shi, 2020 (炬形新饰尾蝻)

Xin et al. 2020. *Zootaxa*, 4819 (2): 385–392

Type specimens. Holotype: ♂, China, Hunan, Jiuyishan, Ningyuan, NMHU. Paratypes: 3♂♂4♀♀, China, Hunan, Jiuyishan, Ningyuan, NMHU.

Sichuana Shen & Yin, 2020

Sichuana cryptospina Shen & Yin, 2020

Yin et al. 2020. *Zootaxa*, 4786 (3): 369–380

Type specimens. Holotype: ♂ (nymph), China, Sichuan, Ngawa Tibetan and Qiang Autonomous Prefecture, Wenchuan County, Miansi town, Mianfeng (31°21'56.46" N, 103°30'8.28" E, 1254 m), ECNU. Paratypes: 1♂2♀♀ (nymphs), same data as in holotype; 1♂ (nymphs), China, Sichuan, Ngawa Tibetan and Qiang Autonomous Prefecture, Wenchuan County, Miansi town, Wayaoping (103°29'0.81"E, 31°19'39.15"N, 1438 m), ECNU; 1♀ (nymphs), China, Sichuan, Ngawa Tibetan and Qiang Autonomous Prefecture, Wenchuan County, Weizhou town, Wan (103°33'47.13" E, 31°27'38.97" N, 1375 m), ECNU.

Sichuana feicui He, 2020

He et al. 2020. *Zootaxa*, 4877 (1): 195–200

Type specimen. Holotype: ♂, China, Sichuan, Mao County (31°40'54" N, 103°50'59" E, 2000 m), ECNU.

Sinocyrtaspis megalobia Wang, Xin & Shi, 2020

Wang et al. 2020. *Zootaxa*, 4718 (4): 584–590

Type specimens. Holotype: ♂, China, Hunan, Yangmingshan, Shuangpai, NMHU. Paratypes: 1♂1♀, China, Hunan, Yangmingshan, Shuangpai, NMHU.

Paradoxitettigia Wang, Huang & Shi, 2020

Paradoxitettigia longicaudica Wang, Huang & Shi, 2020

Wang et al. 2020. *Zootaxa*, 4750 (1): 138–142

Type specimens. Holotype: ♂, China, Hunan, Hengshan, Hengyang, NMHU. Paratypes: 3♂♂4♀♀, same data as holotype, NMHU.

Pseudophlugiolopsis Wang, Zhou & Chang, 2020

Pseudophlugiolopsis bitubera Wang, Zhou & Chang, 2020

Wang et al. 2020. *Zootaxa*, 4802 (1): 182–188

Type specimens. Holotype: ♂, China, Yunnan, Xinjie, Yuanyang, NMHU. Paratypes: 2♀♀, China, Yunnan, Xinjie, Yuanyang, NMHU.

Xiangothaumaspis Xin, Wang & Shi, 2020 (湘杉蠹属)

Xiangothaumaspis falcatus Xin, Wang & Shi, 2020 (镰尾湘杉蠹)

Xin et al. 2020. *Zootaxa*, 4819 (2): 385–392

Type specimens. Holotype: ♂, China, Hunan, Mangshan, Yizhang, NMHU. Paratypes: 1♀, China, Hunan, Mangshan, Yizhang, NMHU.

Xiphidiopsis bifurcatis Cui, Liu & Chang, 2020

Cui et al. *Zootaxa*, 4845 (1): 127–132

Type specimens. Holotype: ♂, China, Yunnan, Nabang, Yingjiang, NMHU. Paratypes: 1♂, China, Yunnan, Banhong, Cangyuan; 1♂, China, Yunnan, Mengsong, Menghai, NMHU.

Xiphidiopsis spoona Cui, Liu & Chang, 2020

Cui et al. *Zootaxa*, 4845 (1): 127–132

Type specimens. Holotype: ♂, China, Yunnan, Daweishan, Pingbian, NMHU. Paratype: 1♀, other data same as holotype, NMHU.

Xizicus furcus Cui, Liu & Shi, 2020

Cui et al. *Zootaxa*, 4845 (1): 127–132

Type specimens. Holotype: ♂, China, Yunnan, Gaoligongshan, Baoshan (25.3023° N, 98.7952° E, 1800 m). Paratype: 1♀, other data same to the holotype, NMHU.

Xizicus gaoligongshanensis Cui, Liu & Shi, 2020

Cui et al. *Zootaxa*, 4845 (1): 127–132

Type specimens. Holotype: ♂, China, Yunnan, Gaoligongshan, Baoshan (25.2995° N, 98.7836° E, 2060 m), NMHU. Paratype: 1♀, other data same to the holotype, NMHU.

Zulpha ruohua Wu, Zhang & Liu, 2020

Wu et al. 2020. *Zootaxa*, 4894 (1): 111–122

Type specimens. Holotype: ♂, Vietnam: Thanh Hóa (250–300m), IZCAS. Paratypes: 1♀, China: Guangxi, Guilin-Mao'er Shan Mt. (500 m), IZCAS.

Zulpha fenghuang Wu & Liu, 2020

Wu et al. 2020. *Zootaxa*, 4894 (1): 111–122

Type specimens. Holotype: ♂, China, Yunnan, Dehong Dai-Jingpo Autonomous Prefecture, Ruili (24.0708° N, 97.8160°E, 1200 m), IZCAS. Paratypes: 2♂♂, China, Yunnan, Xishuangbanna Dai Autonomous Prefecture, Mengla-Mohan (21.2573°N, 101.7330°E, 980 m), IZCAS; 2♂♂, China, Yunnan, Xishuangbanna Dai Autonomous Prefecture, Jinghong-Jinuo (850 m); 1♂, PWC; 1♀, China, Yunnan, Xishuangbanna Dai Autonomous Prefecture, Jinghong-Menglun (21.9752°N, 101.1816°E, 910 m), IZCAS.

Tridactylidae

Xya xishangbanna Cao, Rong & Naveed, 2020

Cao et al. 2020. *ZooKeys*, 947: 103–112

Type specimens. Holotype: ♂, China Yunnan, Xishuangbanna, Mengla County, Wuxiangguangchang (21.92 N, 101.11 E), LNU. Paratype: 1♀ China, same data as holotype, LNU.

Xya yunnanensis Cao, Rong & Naveed, 2020

Cao et al. 2020. *ZooKeys*, 947: 103–112

Type specimen. Holotype: ♂, China, Yunnan, Xishuangbanna, Mengla County (22.05 N, 100.89 E), LNU.

Xya fujianensis Cao, Chen & Yin, 2020

Cao et al. 2020. *ZooKeys*, 947: 103–112

Type specimens. Holotype: ♂, China, Fujian, Sanming (26°13' N, 117°36' E), LNU. Paratypes: 2♀♀, China, Fujian, Sanming (26°13' N, 117°36' E), LNU.

Trigonidiidae

Abstrigonidium He, 2020.

Emerasoma He, 2020

Emerasoma curvicerca He, 2020

He et al. 2020. *Zootaxa*, 4890 (1): 119–128

Type specimens. Holotype: ♂, China, Zhejiang, Lin'an, Tianmushan (30°18'53" N, 119°27'23" E, 300 m), ECNU. Paratype: 1♂1♀, same data as holotype, ECNU; 2♂♂, China, Zhejiang, Lin'an, Tianmushan (30°18'53" N, 119°27'23" E, 300 m), ECNU; 1♂, China, Zhejiang, Ningbo, Tiantongshan (29°48'30" N, 121°47'56" E, 350 m), ECNU.

Giganemobius Shen & He, 2020

Shen et al. 2020. *Zootaxa*, 4778 (2): 383–390

Homonemobius curifolis Zhang, Wang & Liu, 2020

Wang et al. 2020. *Zootaxa*, 4729 (4): 575–581

Type specimens. Holotype: ♂, China, Yunnan, Lincang, Mt. wulao, ECNU. Paratype: 1♀: same data the holotype, ECNU.

Pteronemobius truncates Zhang, Wang & Liu, 2020

Wang et al. 2020. *Zootaxa*, 4729 (4): 575–581

Type specimens. Holotype: ♂, China, Yunnan, Cangyuan, Banhong, MHBUS. Paratypes: 1♂2♀♀, the data same as the holotype, MHBUS; 2♂♂2♀♀, China, Yunnan, Longchuan, Long an, MHBUS.

Qionemobius Shen & He, 2020

Qionemobius hsterus Shen & He, 2020

Shen et al. 2020. *Zootaxa*, 4778 (2): 383–390

Type specimens. Holotype: ♂, China, Hainan, Ledong, Jianfengling Mt. (18°43'14" N, 108°52'12" E, 1380 m), ECNU. Paratypes: 2♂♂2♀♀, same data as holotype, ECNU.

蝽目 Phasmatodea

Diapheromeridae

Acanthophasma brevicercum Ho, 2020

Ho. 2020. *Hong Kong Entomological Bulletin*, 12: 3–28

Type specimens. Holotype: 1♂, China, Yunnan, Longchuan, Dehong (2000m), SEMCAS.

Acanthophasma dilatatum Ho, 2020

Ho. 2020. *Hong Kong Entomological Bulletin*, 12: 3–28

Type specimens. Holotype: ♂, China, Nanjian, Dali, Yunnan, 2000m, HKES. Paratype: 1 immature ♀, same data as holotype ♂, HKES.

Cheniphasma parvidentatum Ho, 2020

Ho. 2020. *Hong Kong Entomological Bulletin*, 12: 3–28

Type specimens. Holotype: ♀, China, Yunnan, Jinping, Honghe (1500m), HKES. Paratypes: 10♀♀14♂♂ & 47 eggs (naturally laid by paratypes ♀), same data as holotype ♀, HKES.

Oedohirasea Ho, 2020

Oedohirasea huanglianshanensis Ho, 2020

Ho. 2020. Hong Kong Entomological Bulletin, 12: 3–28

Type specimen. Holotype: ♂, China, Yunnan, Huanglianshan, Luchun, Honghe, (1300-1400m), HKES.

Oxyartes densigranulatus Ho, 2020

Ho. 2020. Hong Kong Entomological Bulletin 12: 3–28

Type specimens. Holotype: ♀, China, Baoshan, Yunnan, 1500m, HKES. Paratypes: 4♀♀5♂♂ & 19 eggs (naturally laid by holotype ♀ & paratypes ♀), same data as holotype ♀, HKES.

Oxyartes despectus yingjiangensis Ho, 2020

Ho. 2020. Hong Kong Entomological Bulletin 12: 3–28

Type specimens. Holotype: ♀, China, Yunnan, Yingjiang, Dehong (1000 m), HKES. Paratypes: 1♀2♂♂, 6 eggs (naturally laid by holotype & paratype ♀), same data as holotype ♀, HKES.

Oxyartes nigrigranulatus Ho, 2020

Ho. 2020. Hong Kong Entomological Bulletin 12: 3–28

Type specimens. Holotype: ♀, China, Yunnan, Xiping, Yuxi (2000 m), HKES. Paratypes: 2♀♀, 21 eggs (naturally laid by paratypes♀), same data as holotype ♀, HKES.

Oxyartes rubris distinctus Ho, 2020

Ho. 2020. Hong Kong Entomological Bulletin 12: 3–28

Type specimens. Holotype: ♀, China, Jinping, Honghe, Yunnan (1500 m), HKES. Paratypes: 3♀♀2♂♂, 27 eggs (naturally laid by holotype & paratypes ♀), same data as holotype ♀, HKES.

Oxyartes sparsispinosus Ho, 2020

Ho. 2020. Hong Kong Entomological Bulletin 12: 3–28

Type specimens. Holotype: ♀, China, Baoshan, Yunnan, (2000 m), HKES. Paratypes: 4♂♂, same data as holotype ♀, HKES.

Oxyartes xishuangbannaensis Ho, 2020

Ho. 2020. Hong Kong Entomological Bulletin 12: 3–28

Type specimens. Holotype: ♀, China, Yunnan, Menglun, Xishuangbanna (500-600m), HKES. Paratypes: 2♀♀ 2♂♂, same data as holotype ♀, HKE.

Phasmatidae

Parapachymorpha apicalis George Ho, 2020

Ho. 2020. Hong Kong Entomological Bulletin, 12: 3–9

Type specimens. Holotype: ♀, China, Yunnan, Yingjiang, Dehong, 1000 m, HKES. Paratypes: 19♀♀12♂♂ & 110 eggs (naturally laid by paratype ♀), same data as holotype ♀, HKES.

Parapachymorpha tridentata George Ho, 2020

Ho. 2020. Hong Kong Entomological Bulletin 12: 3–9

Type specimens. Holotype: ♀, China, Yunnan, Bubang, Mengla, Xishuangbanna (500–600m), HKES. Paratypes: 4♀5♂♂ & 25 eggs (naturally laid by paratype ♀), same data as holotype ♀, HKES.

虱目 Phthiraptera

Leiothrichidae

Myrsidea attenuata Lei, Chu, Dik, Zou, Wang & Gustafsson, 2020

Lei et al. 2020. *Zootaxa*, 4878 (1): 103–128

Type specimens. Holotype: ♂, China, Guangdong, Nanling Reservation, Ruyang County, GIABR. Paratypes: 2♀♀, GIABR. 3♂♂, GIABR. 1♀, GIABR.

Myrsidea liopari Lei, Chu, Dik, Zou, Wang & Gustafsson, 2020

Lei et al. 2020. *Zootaxa*, 4878 (1): 103–128

Type specimens. Holotype: ♂, China, Yunnan, Ailaoshan, Jingdong County (2420 m), GIABR. Paratypes: 2♀♀, GIABR. 1♂ 1♀, GIABR. 2♂♂2♀♀, GIABR. 1♀, GIABR. 1♂, GD.

Myrsidea suthorae Lei, Chu, Dik, Zou, Wang & Gustafsson, 2020

Lei et al. 2020. *Zootaxa*, 4878 (1): 103–128

Type specimens. Holotype: ♂, China, Sichuan, Laojunshan, Pingshan County, GIABR. Paratypes: 1♂, GIABR; 1♂, GIABR.

Myrsidea zhangae Lei, Chu, Dik, Zou, Wang & Gustafsson, 2020

Lei et al. 2020. *Zootaxa*, 4878 (1): 103–128

Type specimens. Holotype: ♂, China, Hunan, Badagongshan, Sangzhi County, GIABR. Paratypes: 8♂♂5♀♀, same data as holotype, GIABR.

Philopteridae

Guimaraesiella latitemporalis Gustafsson & Bush, 2020

Gustafsson & Bush. 2020. *Zootaxa*, 4885 (2): 151–188

Type specimens. Holotype: ♂, Thailand, Ban Nong Wai, Na Phung, Dan Sai District, Loei, NHML. Paratypes: 1♂3♀♀, PIPR. 1♂2♀♀, (PIPR. 1♂1♀, PIPR. 1♀, PIPR. 7♂♂7♀♀, PIPR. 1♀, PIPR. 2♂♂2♀♀, PIPR.

Cataphractomimus Gustafsson, Lei, Chu & Zou, 2020

Cataphractomimus impervius Gustafsson, Lei, Chu & Zou, 2020

Gustafsson et al. 2020. *Zootaxa*, 4742 (2): 201–255

Type specimens. Holotype: ♂, China, Yunnan, NHML. Paratypes: 6♂♂ 8♀♀, NHML.

Cataphractomimus mirapelta Gustafsson, Lei, Chu & Zou, 2020

Gustafsson et al. 2020. *Zootaxa*, 4742 (2): 201–255

Type specimens. Holotype: ♂, China, Sichuan, “Upper Minho” [= Upper Min River, China], NHML. Paratype: 1♂, NHML.

Cataphractomimus junae Gustafsson, Lei, Chu & Zou, 2020

Gustafsson et al. 2020. *Zootaxa*, 4742 (2): 201–255

Type specimens. Holotype: ♂, China, Sichuan, NHML. Paratypes: 2♂♂, NHML.

Megalipeurus sinensis Gustafsson, Lei, Chu & Zou, 2020

Gustafsson et al. 2020. *Zootaxa*, 4742 (2): 201–255

Type specimens. Holotype: ♂, China, NHML. Paratype: 1♂, NHML.

Sinolipeurus Gustafsson, Lei, Chu & Zou, 2020

Sinolipeurus sichuanensis Gustafsson, Lei, Chu & Zou, 2020

Gustafsson et al. 2020. *Zootaxa*, 4742 (2): 201–255

Type specimen. Holotype: ♂, China, Sichuan, NHML.

襁翅目 Plecoptera

Capniidae

Eucapnopsis yunnana Cao, Yang & Li, 2020

Cao et al. 2020. *Zootaxa*, 4779 (1): 142–148

Type specimens. Holotype: ♂, China, Yunnan, Deqing County, Baima Mountain (98°57'E, 27°24'N, 4295m), HIST.

Paratypes: 5♂♂4♀♀, same locality and data as holotype, 2♀♀, same locality and collector, HIST.

Chloroperlidae

Sweltsa bilobata Mo, Ye, Wang & Li, 2020

Mo et al. 2020. *Zootaxa*, 4853 (2): 275–282

Type specimens. Holotype: ♂, China, Guangxi Zhuang Autonomous Region, Guilin City, Xing'an County, Maoershan National Natural Reserve, Jiuniutang, (E 110°25'1", N 25°52'16", 1961-2000 m), HIST. Paratypes: 1♂1♀, same data and date as holotype, HIST.

Peltoperlidae

Cryptoperla zhejiangensis Chen, 2020

Chen. 2020. *Zootaxa*, 4810 (3): 576–588

Type specimens. Holotype: ♂, China, Zhejiang, Quzhou City, Housuntang (28.81113727°N, 118.97745093°E, 640 m), ICJUST. Paratypes: 1♂, same locality and date as holotype; 1♀, Zhejiang, Quzhou City, Mt. Yaowangshan, upstream of Housuntang (28°52'42.63"N, 118°55'22.45"E, 250 m), ICJUST.

Perlidae

Caroperla brevihamata Mo, Wang & Li, 2020

Mo et al. 2020. *Zootaxa*, 4869 (3): 430–436

Type specimens. Holotype: ♂, China, Guangxi Zhuang Autonomous Region, Guilin City, Multinational Autonomous County of Longsheng, Huaping National Nature Reserve (25°37' 37" N, 109°54'42" E, 731.6m), HIST. Paratype: 1♀, same location and collectors as holotype, HIST.

Etrocorema yunnanensis Chen, 2020

Chen. 2020. *Zootaxa*, 4759 (3): 433–439

Type specimens. Holotype: ♂, China, Yunnan, Mengla County, Laman Highway (21°20'53.25"N, 101°18'33.79"E, 1400m), ICJUST. Paratypes: 1♂1♀, same data as holotype, ICJUST.

Flavoperla galerispina Mo, Wang & Li, 2020

刘童祎, 陈静, 姜立云, 乔格侠 (2021) 中国半翅目等29目昆虫2020年新分类单元. 生物多样性, 29, 1050–1057. <http://www.biodiversity-science.net/CN/10.17520/biods.2021200>.

Mo et al. 2020. *Zootaxa*, 4732 (4): 565–572

Type specimens. Holotype: ♂, China, Guangxi Zhuang Autonomous Region, Guilin City, Multinational Autonomous County of Longsheng, at gate of Huaping National Nature Reserve (25°37'37" N, 109°54'41" E, 734 m), HIST. Paratypes: 4♂♂ 1♀, HIST, same data and date as holotype; 2 ♀, HIST.

Hemacroneuria baotianmana Chen & Hou, 2020

Chen & Hou. 2020. *Zootaxa*, 4751 (1): 161–171

Type specimens. Holotype: ♂, China, Henan, Nanyang City, Neixiang County, Baotianman Scenic Area (33°30'24.53"N, 111°55'43.92"E, 1200–1400 m), ICJUST. Paratypes: 4♀♀, China, Shaanxi, Xi'an City, Huyi District, Zhuque National Forest Park (33°49'9.77"N, 108°35'44.72"E, 1500m), ICJUST.

Hemacroneuria trilobata Mo, Wang & Li, 2020

Mo et al. 2020. *Zootaxa*, 4780 (2): 396–400

Type specimen. Holotype: ♂, Guangxi Zhuang Autonomous Region, Tianlin County, Cenwanglaoshan (24°29.25' N, 106°23.48' E, 1849 m), HIST.

Kamimuria shiae Li, Kong & Liu, 2020

Li et al. 2020. *Zootaxa*, 4809 (2): 363–373

Type specimens. Holotype: ♂, China, Fujian, Nanping City, Wuyishan, Guadun, (N 27°44'12", E 117°38'12", 1200 m), HIST. Paratype: 1♂, China, Fujian, Shaowu County, Wuyishan, Nanhu Forest Farm (N 27°32'38", E 117°29'3", 409m), HIST.

Kamimuria tenuilobata Li, Kong & Liu, 2020

Li et al. 2020. *Zootaxa*, 4809 (2): 363–373

Type specimens. Holotype: ♂, China, Fujian, Nanping City, Shaowu County, Wuyishan, Nanhu Forest Farm, (N 27°32'38", E 117°29'3", 409m), HIST. Paratype: 1♂, same locality , HIST.

Kiotina yexiaohani Su & Chen, 2020

Su & Chen. 2020. *Zootaxa*, 4786 (4): 583–591

Type specimens. Holotype: ♂, China, Zhejiang, Quzhou City, Shuimenjian (28.76842255°N, 118.93807864°E, 620 m), ICJUST. Paratype: 1♀, same locality and date as holotype, ICJUST.

Neoperla delphina Li, Mo & Wang, 2020

Li et al. 2020. *Zootaxa*, 4718 (4): 573–583

Type specimens. Holotype: ♂, China, Guangxi, Laibing City, Jinxiu County, Dayao Mountain, Yinshan Station. Paratypes: 2♂♂1♀♀, same locality and date as holotype, HIST; 1♂, Guangxi, Guilin City, Multinational Autonomous County of Longsheng, Huaping Nature Reserve, HIST; 43♂♂15♀♀, same locality as holotype, HIST; 50♂♂8♀♀, Guangxi, Laibing City, Jinxiu County, Dayao Mountain, Yinshan Park, 1150m, HIST; 1♂2♀♀, Guangxi, Guilin City, Multinational Autonomous County of Longsheng, (N 25°53.6', E 110°12.4', 360m), NMPCR; 1♂, Guangxi, Laibing City, Jinxiu County, Dayao Mountain, Yinshan Park (N 24°16'133", E 110°36'924", 1210 m), HIST.

Neoperla quadrispina Li, Mo & Wang, 2020

Li et al. 2020. *Zootaxa*, 4718 (4): 573–583

刘童祎, 陈静, 姜立云, 乔格侠 (2021) 中国半翅目等29目昆虫2020年新分类单元. 生物多样性, 29, 1050–1057. <http://www.biodiversity-science.net/CN/10.17520/biods.2021200>.

Type specimens. Holotype: ♂, China, Guangxi, Guigang City, Tianping Mountain National Forest Park, 210m, HIST. Paratype: 1♂, same locality and date as holotype, HIST.

Neoperla curvilobata Mo, Wang & Li, 2020

Mo et al. 2020. *Zootaxa*, 4790 (3): 515–524

Type specimen. Holotype: ♂, China, Guangxi Zhuang Autonomous Region, Nanning City, Wuming County, Liangjiang Town, Neichao, Neichao River above Neichao Ming Hotel (23°29.664'N, 108°21.622'E, 220 m), HIST.

Neoperlops triangulates Mo, Wang, Li & Murányi, 2020

Mo et al. 2020. *Zootaxa*, 4763 (3): 405–418

Type specimens. Holotype: ♂, China, Guangxi Zhuang Autonomous Region, Shangsi County, Shiwanda Mts, Wanggui Village, Pinglong River at the village (21°52.411' N, 107°49.996' E, 260m). Paratypes: 3♂♂1♀ same data as holotype, HIST; 2♂♂1♀ with its exuviae, 3♂♂ and 3♀♀ exuviae HNHM; Guangxi, Shangsi County, Shiwandashan National Forest Park, Minan River (21°51.869' N, 107°50.712' E, 300m), HIST; 1♀ larva, HNHM; Guangxi, Shangsi County, Shiwandashan National Forest Park, Pearl River below tourist route bridge (21°54.122' N, 107°54.292' E, 315m), HNHM.

Phanoperla huanghuye Chen, 2020

Chen. 2020. *Zootaxa*, 4718 (2): 230–238

Type specimens. Holotype: ♂, China, Fujian, Wuyishan City, Xingcun Town, Tongmu Village, near Mt. Wuyishan, unnamed stream (27.7527 N, 117.6882 E, 800m), ICJUST. Paratypes: 4♂♂6♀♀, same data as holotype, ICJUST.

Sinacroneuria huzhengkuni Du & Huo, 2020

Hou & Du. 2020. *Zootaxa*, 4834 (2): 283–292

Type specimen. Holotype: ♂, China, Guizhou, Tongren City, Mount Fanjing (Fanjingshan), Yamugou stream (108.73°E, 27.80°N), ICYZU.

Sinacroneuria lii Huo & Du, 2020

Hou & Du. 2020. *Zootaxa*, 4834 (2): 283–292

Type specimen. Holotype: ♂, China, Guizhou, Zunyi City, Suiyang County, Kuankuoshui National Nature Reserve, beside a nameless road (28°13.205'N, 107°9.95'E, 1435m), ICYZU.

Sinacroneuria fujianensis Sivec & Stark, 2020

Sivec & Stark. 2020. *Zootaxa*, 4732 (4): 580–584

Type specimen. Holotype: ♂, China, Fujian, Kuantun [Wuyishan City, Wuyishan Mountain, Guadun], ZFMK.

Sinacroneuria lateralis Sivec & Stark, 2020

Sivec & Stark. 2020. *Zootaxa*, 4732 (4): 580–584

Type specimen. Holotype: ♂, China, Fujian, Kuantun, 2300 m, ZFMK.

Tyloperla bimaculata Li & Kong, 2020

Li & Kong. 2020. *Zootaxa*, 4728 (2): 289–294

Type specimen. Holotype: ♂, China, Guizhou, Suiyang County, Kuankuoshui National Nature Reserve (107°19.98 E, 28°24.03 N, 300m), CAU.

Tyloperla bilobata Mo, Wang & Li, 2020

Mo et al. 2020. *Zootaxa*, 4763 (1): 109–116

Type specimen. Holotype: ♀, China, Guangxi, Fangcheng, Jinhua Nature Reserve (21°76,09' N, 108°43,49' E), CAU.

Perlodidae

Filchneria dongruihangii Chen, 2020

Chen. 2020. *Zootaxa*, 4808 (2): 350–364

Type specimens. Holotype: ♂, China, Heilongjiang, Qiqihar City, Liuyuan Park, Nenjiang River (47.35992625 N, 123.90812588 E, 145 m), ICJUST. Paratypes: 2♂♂1♀♀, same locality and data as holotype, ICJUST.

Isoperla sejila Cao, Wang & Li, 2020

Cao et al. 2020. *Zootaxa*, 4779 (1): 142–148

Type specimens. Holotype: ♂, China, Tibet, Nyingchi City, Nyingchi County, Sejlilashan (Sejila Mountains), Sejlilashan National Natural Reserve, unnamed stream at Zhongshan Station (29°36.60'N, 94°36.19'E, 4033 m). Paratypes: 35♂♂50♀♀, same locality and data as holotype, CAU & HIST.

Isoperla sextuberculata Huo & Du, 2020

Huo & Du. 2020. *Zootaxa*, 4801 (3): 552–558

Type specimens. Holotype: ♂, China, Hubei, Shennongjia area, Guitouwan (110°08.872'E, 31°28.439'N, 2150 m), ICYZU. Paratypes: 2♀♀, the same data and locality as the holotype, ICYZU.

Sinoperlodes Chen, 2020

Sinoperlodes zhouchangfai Chen, 2020

Chen. 2020. *Zootaxa*, 4779 (4): 584–594

Type specimens. Holotype: ♂, China, Zhejiang, Hangzhou City, Tianmu Mountain, Tianmu Stream (30.3604 N, 119.4434 E, 580 m), ICJUST. Paratypes: 4♀♀, same locality and data as holotype, ICJUST.

Parisoperla Huo & Du, 2020

Parisoperla kuankuoshuiensis Du & Huo, 2020

Huo & Du. 2020. *Zootaxa*, 4718 (4): 470–480

Type specimens. Holotype: ♂, China, Guizhou, Kuankuoshui National Nature Reserve, beside a nameless road (28°13.205'N, 107°9.95'E, 1435m), ICYZU. Paratypes: 1♂1♀, the same locality and data as holotype, ICYZU.

Parisoperla leigongshana Huo & Du, 2020

Huo & Du. 2020. *Zootaxa*, 4718 (4): 470–480

Type specimen. Holotype: ♂, China, Guizhou, Leigongshan Nature Reserve, beside an unnamed road (26.3616N, 108.1650E, 1198m), ICYZU.

Nemouridae

Amphinemura jiaoheensis Chen, 2020

Chen. 2020. *European Journal of Taxonomy*, 651: 1–16

Type specimens. Holotype: ♂, China, Jilin, Jiaohe City, Sidaogou Mountain, a small unnamed stream (43°44'40"

N, 127°03'05" E; 600 m), ICJUST. Paratypes: 1♂2♀♀, same collection data as for holotype, ICJUST.

Amphinemura bifascia Mo, Wang, Yang & Li, 2020

Mo et al. 2020. *Zootaxa*, 4751 (1): 131–142

Type specimens. Holotype: ♂, China, Guangxi, Nanning City, Wuming County, Damingshan National Natural Reserve (N 23°30', E 108°26', 1230 m), CAU. Paratypes: 1♀, same locality and date as holotype, HIST; 2♀♀, HIST; 1♂, HIST, 1; 5♂♂6♀♀, same locality, stream beneath Golden Turtle Waterfall (N 23°30.373', E 108°26.141', 1150m), HNHM; 2♀♀, same locality, forest brook towards Lawn of Love (N 23°30.792', E 108°26.487', 1215m), HNHM; 6♂♂3♀♀, and 4 larvae, same locality, inflow stream above Dragon Lake (N 23°29.751', E 108°26.242', 1225m), HNHM.

Amphinemura bicornata Mo, Wang, Yang & Li, 2020

Mo et al. 2020. *Zootaxa*, 4751 (1): 131–142

Type specimen. Holotype: ♂, China, Guangxi, Nanning City, Wuming County, Damingshan National Natural Reserve (N 23°30', E 108°26', 300 m), HIST.

Amphinemura changbaishana Li, Teslenko & Yang, 2020

Li et al. 2020. *Zootaxa*, 4743 (3): 402–410

Type specimens. Holotype: ♂, China, Jinlin, “scenic spot” on Changbaishan Mountain (41°35'N, 127°45'E), CAU. Paratype: 1♂, same locality and date as holotype, HIST.

Amphinemura qiliana Li, Teslenko & Yang, 2020

Li et al. 2020. *Zootaxa*, 4743 (3): 402–410

Type specimens. Holotype: ♂, male, China, Qinghai, Qilian County, Arou Temple, Daotang River, 3150 m, HIST. Paratype: 1♂, same locality and date as holotype, HIST

Amphinemura retusilobata Mo, Wang, Yang, Li & Murányi, 2020

Mo et al. 2020. *Zootaxa*, 4820 (2): 337–350

Type specimens. Holotype: ♂, China, Guangdong, Maoming City, Xinyi City, Dacheng Town, Yunkaishan National Natural Reserve, the bridge next to the security office at the entrance to the reserve (22°16'34" N, 111°11'43" E, 966 m), HIST. Paratypes: 2♂♂2♀♀, same locality and date as holotype, HIST; 10♂♂2♀♀, Yunkaishan National Natural Reserve, the river at the gate of the reserve (22°16'34"N, 111°11'43"E, 987 m), HIST; 4♂♂, GXU; 2♂♂, HNHM; 8♀♀, same locality, HIST; 1 teneral ♂ with weakly developed paraproct, Guangxi Zhuang Autonomous Region, Nanning City, Wuming County, Liangjiang Town, Neichao, Longmugou River (23°29'40"N, 108°21'37"E, 220 m); 1♀, (23°29'33"N, 108°21'29"E, 194 m); 1♀, (23°29'57"N, 108°21'21"E, 186 m), HIST.

Amphinemura simifleurdelia Mo, Wang, Yang, Li & Murányi, 2020

Mo et al. 2020. *Zootaxa*, 4820 (2): 337–350

Type specimens. Holotype: ♂, China, Guangdong, Maoming City, Xinyi City, Dacheng Town, Yunkaishan National Natural Reserve, the bridge next to the security office at the entrance to the reserve (22°16'34" N, 111°11'43" E, 966m), HIST. Paratypes: 5♂♂4♀♀, same locality and date as holotype, HIST; 3♂♂1♀, Yunkaishan National Natural Reserve, the river at the gate of the reserve (22°16'34"N, 111°11'43"E, 987 m), HIST; 5♂♂5♀♀, GXU; 2♂♂2♀♀, HNHM.

刘童祎, 陈静, 姜立云, 乔格侠 (2021) 中国半翅目等29目昆虫2020年新分类单元. 生物多样性, 29, 1050–1057. <http://www.biodiversity-science.net/CN/10.17520/biods.2021200>.

Indonemoura maoershana Mo, Wang, Yang & Li, 2020

Mo et al. 2020. *Zootaxa*, 4801 (2): 395–400

Type specimen. Holotype: ♂, China, Guangxi Zhuang Autonomous Region, Guilin City, Xing'an County, Tongrencun, Maoershan National Natural Reserve, Jiulongtang, CAU.

Indonemoura wangae Li, Yang & Li, 2020

Li et al. 2020. *Zootaxa*, 4868 (3): 441–447

Type specimen. Holotype: ♂, China, Hubei, Shennongjia National Natural Reserve, Guanmenshan, CAU.

Nemoura cucurbitata Mo, Wang & Li, 2020

Mo et al. 2020. *Zootaxa*, 4731 (1): 145–150

Type specimens. Holotype: 1♂, China, Guangxi Zhuang Autonomous Region, Guilin City, Xing'an County, Tongrencun, Maoershan National Natural Reserve (25.905° N, 110.440° E, 1873.0 m), HIST.

Nemoura lixiana Chen, 2020

Chen. 2020. *European Journal of Taxonomy*, 651: 1–16

Type specimens. Holotype: ♂, china, Sichuan, Lixian County, side of Xuemeng Road, a small unnamed stream (31°33'56" N, 103°17'32" E; 1634 m), ICJUST. Paratypes: 8♂♂4♀♀, same collection data as for holotype, ICJUST.

Sinonemura Mo, Li & Muranyi, 2020

Sinonemura balangshana Mo, Li & Muranyi, 2020

Mo et al. 2020. *PLoS One*, 0229120

Type specimens. Holotype: ♂, china, Sichuan, Tibetan Qiang Autonomous Prefecture of Ngawa, Wenchuan County, Balangshan(N 30.89905, E 102.91166, 3993 m), CAU. Paratypes: 2♀♀, HIST; 1♀, same data as holotype, HNHM.

Sphaeronemoura acutispina Mo, Wang, Yang & Li, 2020

Mo et al. 2020. *Zootaxa*, 4763 (3): 447–450

Type specimen. Holotype: ♂, China, Guangxi, Tianlin County, Cenwanglaoshan National Nature Reserve, Dalongping Protection Management Station (N 24°21', E 106°15', 1300 m), CAU.

Sphaeronemoura multicurvata Li, Li & Yang, 2020

Li et al. 2020. *Zootaxa*, 4722 (3): 234–240

Type specimens. Holotype: ♂, China, Sichuan, Pingwu County, Old creek (not a stream name) (N 32°30', E 104°38', 1400–1800m), CAU. Paratype: 1♀, same data as holotype, CAU.

Sphaeronemoura tetragona Du & Zhao, 2020

Zhao & Du. 2020. *Zootaxa*, 4851 (3): 583–592

Type specimens. Holotype: ♂, China, Hunan, Taoyuan County, Yunwujie Nature Reserve, ICYZU. Paratypes: 1♂, the same data as holotype, ICYZU.

Protonemura longispina Zhao & Du, 2020

Zhao & Du. 2020. *Zootaxa*, 4802 (2): 250–260

Type specimens. Holotype: ♂, China, Sichuan, Luding County, Yangjiageng River (N 29°52.877'E 102°01.193', 3646m), ICYZU. Paratypes: 3♀♀, the same data as the holotype, ICYZU.

原尾目 Protura

Berberentulidae

Baculentulus wenylingae Bu, Gao & Luan, 2020

Bu et al. 2020. Entomotaxonomia, 42(3): 163–177

Type specimens. Holotype: ♀, china, Zhejiang, Zhoushan City, Dinghai District, Mahuangshan hill(30°03'N, 122°03'E, 177 m), HUANG. Paratype: 1♀, same data as holotype, SNHM.

Eosentomidae

Pseudanisentomon lishuiensis Bu, Gao & Luan, 2020

Bu et al. 2020. Entomotaxonomia, 42(3): 163–177

Type specimens. Holotype: ♂, China, Zhejiang, Lishui City, Jingning County, Jiulongshan Geological Park (41°30'N, 119°21'E, elev. 1200 m), HUANG; Paratypes: 1♂, same data as holotype; 2♀♀, Zhejiang, Lishui City, Qingyuan County, Baishanzu National Nature Reserve(27°35'N 119°5'E, 1100 m), SNHM.

蚤目 Siphonaptera

Ceratophyllidae

Rowleyella fugongensis Gong & Li, 2020 福贡罗氏蚤

Gong & Li. 2020. Jishengchong Yu Yixue Kunchong Xuebao, 27 (1): 52–56

Type specimens. Holotype: ♂, China, northwest Yunnan, Fugong County (27° 00' N, 98° 50' E), AMMC. Paratype: 1♀, YEDCP

缨翅目 Thysanoptera

Aeolothripidae

Streothrips jianshuiensis Liu, Mound & Zhang, 2020

Liu et al. 2020. Zootaxa, 4819 (1): 001–005

Type specimens. Holotype: ♀, China, Yunnan, Jianshui County, Swallow Cave (23°63'84"N, 103°05'78"E), YAU. Paratypes: 1♀, same data as holotype; 1♀, same locality, YAU.

Phlaeothripidae

Allothrips yunnanensis Mound, Li & Zhang, 2020

Mound et al. 2020. Zootaxa, 4732 (4): 593–595

Type specimens. Holotype: female aptera, China, Yunnan, Kunming City, Arboretum (N 25° 08' E 102° 43', 2006m), YAU. Paratypes: Paratypes, 49 female aptera, 6 female macropterae, China, Yunnan, Kunming City, Arboretum (N 25° 08' E 102° 43', 2006m), YAU, ANIC

Hoplothrips hongruiae Mound & Wang, 2020

Mound & Wang. 2020. Zootaxa, 4758 (3): 596–599

Type specimens. Holotype: macropterae female, China, Yunnan, Kunming, Western Mts, YAU. Paratypes: 8 macropterous females, 2 micropterous females, 7 macropterous males, 4 micropterous males,, ANIC, JLU.

Liothrips dayulingensis Wang & Lin, 2020

Wang & Lin. 2020. Zootaxa, 4861 (3): 349–375

Type specimens. Holotype: ♀, China, Taiwan, Dayuling (Nantou), TARI. Paratypes: 1♀1♂, same data as holotype, TARI.

Liothrips hsuae Wang & Lin, 2020

Wang & Lin. 2020. *Zootaxa*, 4861 (3): 349–375

Type specimens. Holotype: ♀, China, Taiwan, Nanjan Mt. (Kendin), TARI. Paratype: 1♀ with same data as holotype, TARI.

Mesandrothrips acutisetis Dang, Zhao, Xie, Zhao & Qiao, 2020

Dang et al. 2020. *Zootaxa*, 4816 (1): 123–128

Type specimens. Holotype: ♀, China, Shaanxi, Changqing National Nature Reserve, Yangjia ravine, SUT. Paratypes: 2♀♀1♂, same data as holotype, SUT & IZCAS. 1♀ 1♂, Sichuan, Guangyuan City, Cangwangxia Reserve, SUT.

Psephenothrips baiheensis Wang & Lin, 2020

Wang & Lin. 2020. *Zootaxa*, 4861 (3): 349–375

Type specimens. Holotype: ♀, China, Taiwan, Guanziling (Baihe), TARI. Paratypes: 1♀1♂, same data as holotype, TARI.

Psephenothrips cymbidas Wang & Lin, 2020

Wang & Lin. 2020. *Zootaxa*, 4861 (3): 349–375

Type specimens. Holotype: ♀, China, Taiwan, Puli (Nantou), TARI. Paratypes: 5♀♀3♂♂, same data as holotype, TARI.

Thripidae

Ctenothrips parisae Wang, Li, Tong & Mound, 2020

Wang et al. 2020. *Zootaxa*, 4750 (3): 301–327

Type specimens. Holotype: ♀, China, Yunnan, Lijiang (26°51' N, 100°13'E), ANIC. Paratypes: 22♀♀ 4♂♂, collected with holotype, YAU, ANIC.

Filicopsothrips pulcher Li, Yuan & Zhang, 2020

Li et al. 2020. *Zootaxa*, 4845 (2): 297–300

Type specimens. Holotype: ♀, China, Yunnan, Maguan County, YAU. Paratypes: 1♀, collected with holotype; 2♀♀, Yunnan, Xichou County, ANIC; 1♀, Yunnan, Xishuangbanna Tropic Botanic Garden; ANIC.

Parabaliotrips robustus Masumoto & Okajima, 2020

Masumoto & Okajima. 2020. *Zootaxa*, 4838 (4): 566–580

Type specimens. Holotype: ♀, China, Taiwan, Nantou-hsien, Tsuifeng, 2300m, TUA. Paratypes: 146 ♀♀72♂♂, same data as the holotype, TUA.

毛翅目 Trichoptera

Leptoceridae

Ceraclea (Athripsodina) aerumnula Yang & Morse, 2020

Yang et al. 2020. *Zootaxa*, 4732 (1): 138–160

Type specimens. Holotype: ♂, China, Zhejiang, City of Tai Zhou, Lin-hai County, Kuo-cang-shan [Mt.] (N28.83, E120.98, 450 m). Paratypes: 2♂♂2♀♀, same data as holotype; 2♂♂, Zhe-jiang, Lin-an, Qing-quan-ju (West Tian-

mu Mt.), Chi-wu-li (N30.50, E119.60, 263 m); 10♂♂. Zhe-jiang, An-ji, Long-wang-shan, 400 m.

Ceraclea (Athripsodina) lamellata Yang & Hu, 2020

Yang et al. 2020. Zootaxa, 4732 (1): 138–160

Type specimens. Holotype: ♂, China, An-hui, Qi-men County, Lu-xi Town, Dao-hu Village (N29.52, E117.42, 200 m). Paratypes: 49♂♂255♀♀, same data as holotype.

Ceraclea (Ceraclea) megalophyllon Yang & Morse, 2020

Yang et al. 2020. Zootaxa, 4732 (1): 138–160

Type specimens. Holotype: ♂, China, Guang-xi, Xi-ning City, Wu-ming District, Da-Ming-shan [Mt.] (N23.4964, E108.4401, 1254 m). Paratype: 1♀, same data as holotype.

Oecetis (Oecetis) discedens Yang & Morse, 2020

Yang et al. 2020. Zootaxa, 4732 (1): 138–160

Type specimens. Holotype: ♂, China Guang-xi: Xi-ning City, Wu-ming District, Da-Ming-shan [Mt.] (N23.496458, E108.440148, 1254 m). Paratypes: 2♂♂2♀♀, same data as holotype.

Oecetis (Pleurograpta) spinellosa Yang & Hu, 2020

Yang et al. 2020. Zootaxa, 4732 (1): 138–160

Type specimens. Holotype: ♂, China, An-hui, Qi-men County, Li-xi Village, Qi-yang-keng (N29.52, E117.42, alt. 360 m). Paratypes: Same data as holotype, Gu-niu-jiang Nature Preserve Shuang-he-kou, Tao-yuan-li stream, 480 m, 2♂♂11♀♀; Same data as holotype, except Peng-long, Xiang-dong Village, 380 m.

Setodes charax Yang & Morse, 2020

Yang et al. 2020. Zootaxa, 4732 (1): 138–160

Type specimens. Holotype: ♂, China, Sichuan, Chong-zhou City, Ji-guan-shan Town, An-zi River Natural Preserve Station, Shao-yao creek (30.8018°N, 103.2192°E alt. 1540 m). Paratypes: 1♂, same data as holotype.

Setodes scutatus Yang & Morse, 2020

Yang et al. 2020. Zootaxa, 4732 (1): 138–160

Type specimens. Holotype: ♂, China, Shanxi, Yi-cheng County, Xi-yan-zhen Town, Da-he Village, Sangou-he Stream (N35.451, E111.932, 996 m). Paratypes: 4♂♂, same data as holotype.

Odontoceridae

Psilotreta brevispinosa Qiu & Yan, 2020

Qiu & Yan. 2020. European Journal of Taxonomy, 601: 1–11

Type specimen. Holotype: ♂, China, Henan, Xinyang County, Tian-mu-shan Nature Preserve, near the ranger's cabin (32°34'34.00" N, 113°48'23.67" E; 215 m), NJAU.

Psilotreta furcata Qiu & Yan, 2020

Qiu & Yan. 2020. European Journal of Taxonomy, 601: 1–11

Type specimens. Holotype: 1♂, China, Hubei, Yingshan County, Tao-hua-chong (30°59'33.31" N 115°59'45.87" E; 469 m), NAU. Paratype: 1♂, same collection data as for holotype, HUST.

Phraepsyche acuminata Yang & Morse, 2020

Yang et al. 2020. Zootaxa, 4732 (1): 138–160

Type specimens. Holotype: ♂, China, Guangxi, Tian-lin County, Cen-wang-lao-shan Provincial Forest Preserve, Yang-cun He, tributary of Bu-liu He, trailhead at An-jia-ping, County Road 794 marker 43.2 km, ~2.5 km trail, 1155 m. Paratypes: China, Guang-xi: Long-lin County Jin-zhong-shan Provincial Forest Preserve Duo-gui Gou, ~1.5 km N of Xi-she village (N24.58245, E104.91415, 1145 m), 1♂. Guang-dong: Longmeng County Nan-kun Shan Provincial Nature Preserve Tian Tang Ding He (N23.64370, E113.84729, 542 m)

Psilotreta longicornis Yang & Morse, 2020

Yang et al. 2020. Zootaxa, 4732 (1): 138–160

Type specimens. Holotype: ♂, China, ZheJiang, City of Tai Zhou, Lin-hai County, Kuo-cang-shan [Mt.] (N28.83, E120.98, 450 m). Paratype: 1♂, same data as holotype.

Psychomyiidae

Psychomyia complexa Li, Morse & Peng, 2020

Peng et al. 2020. Zootaxa, 4860 (2): 227–242

Type specimens. Holotype: ♂, China, Hubei, Ma-cheng County, Tong-jian-chong River, 27 km north of Macheng country (31°23'43.63"N, 115°7'21.77"E, 150 m), NJAU. Paratypes: 1♂, China, An-hui, Dong-zhi city, Feng-shui village, Qiu-pu-qian river, 11 km southeast of Dong-zhi city (29°57'44.45"N, 117°1'26.12"E, 30 m), NJAU; China, Hu-bei: 14♂♂, same data as holotype; 6♂♂, Jin-shan-xian 50 km N.W. of Yincheng Trib. of Da-fu-shui, 90 m, CUAC; China, Jiang-xi: 35♂♂, 10 km S. of Gui-xi city, Xi-qi-he(31°16'44.40"N, 113°12'12.00"E, 30 m), NJAU.

Psychomyia conoidea Peng, Wang & Sun, 2020

Peng et al. 2020. Zootaxa, 4860 (2): 227–242

Type specimens. Holotype: ♂, China, Zhejiang, De-qing County, Mo-gan-shan (30°35'15"N, 119°50'2"E, 134 m), NJAU. Paratypes: 4♂♂, same data as holotype; 1♂, China, Zhejiang, Lin-an County, Da-shan (30°24'42"N, 119°36'44"E, 577 m), NJAU.

Psychomyia obtorta Peng, Wang & Sun, 2020

Peng et al. 2020. Zootaxa, 4860 (2): 227–242

Type specimen. Holotype: ♂, China, Jiang-xi, Long-nan County, Da-qiu-tian Conservation Station of Jiulian-shan National Nature Reserve (24°21'00"N, 114°16'12"E, 377 m), NJAU.

Psychomyia tripetala Peng, Wang & Sun, 2020

Peng et al. 2020. Zootaxa, 4860 (2): 227–242

Type specimen. Holotype: ♂, China, Jiang-xi, Long-nan City, Da-qiu-tian Conservation Station of Jiu-lianshan National Nature Reserve (24°21'00"N, 114°16'12"E, 377 m), NJAU.

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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	当前存放单位英文名称	发表文献中列出标本存放地中文名称	名称缩写	存放物种数量	属性
Names of deposit sites in primary literatures	English name of current deposit sites	Chinese name of current deposit sites	Abbreviation	Number	Property
College of Plant Protection, Southwest University Institute of Entomology, Southwest University	Southwest University	西南大学	SWU	12	高校
Zhongshan Customs Technology Center	Zhongshan Customs Technology Center	中山海关技术中心	ZCTC	2	其他
Nantong University	Nantong University	南通大学	NU	1	高校
Department of Entomology, College of Plant Protection, Nanjing Agricultural University	Nanjing Agricultural University	南京农业大学	NJAU	8	高校
Shanghai Entomological Museum Shanghai Entomological Museum, Chinese Academy of Sciences	Shanghai Entomological Museum, Chinese Academy of Sciences	中国科学院上海昆虫博物馆	SEMCAS	12	科研院所
Senckenberg Museum of Natural History	Senckenberg Museum of Natural History, G őrilitz, Germany	森根堡自然博物馆	SMNG	1	博物馆
Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences	Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences	中国科学院东北地理与农业生态研究所	IGACAS	3	科研院所
Shanghai Natural History Museum	Shanghai Natural History Museum	上海自然博物馆	SNHM	5	博物馆
Universidad Nacional Aut 6noma de M 6xico	Universidad Nacional Aut 6noma de M 6xico, Mexico City, Mexico	墨西哥国立自治大学	UNAM	1	高校
Insect Collection of Jiangsu University of Science and Technology	Jiangsu University of Science and Technology, Jiangsu, China	江苏科技大学	ICJUST	10	高校
Museum of Zoology, Lausanne, Switzerland	Museum of Zoology, Lausanne, Switzerland	洛桑动物博物馆	MZL	1	博物馆
Hungarian Natural History Museum, Budapest, Hungary	Hungarian Natural History Museum, Budapest, Hungary	匈牙利自然历史博物馆	HNHM	6	博物馆

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发表文献中列出标本存放地名称	当前存放单位英文名称	发表文献中列出标本存放地中文名称	名称缩写	存放物种数量	属性
Names of deposit sites in primary literatures	English name of current deposit sites	Chinese name of current deposit sites	Abbreviation	Number	Property
Henan Institute of Science and Technology	Henan Institute of Science and Technology	河南科技学院	HIST	21	高校
College of Life Sciences, Nanjing Normal University	Nanjing Normal University	南京师范大学	NNU	2	高校
Insect Collection, South China Agricultural University	South China Agricultural University	华南农业大学	SCAU	1	高校
National Zoological Museum of China, Institute of Zoology, Chinese Academy of Sciences	Institute of Zoology, Chinese Academy of Sciences	中国科学院动物研究所	IZCAS	16	科研院所
Institute of Zoology, Chinese Academy of Sciences, Beijing, China					
Zhejiang Agriculture and Forestry University	Zhejiang Agriculture and Forestry University	浙江农林大学	ZAFU	1	高校
Entomological Museum of the Inner Mongolia Normal University, Huhhot	Inner Mongolia Normal University	内蒙古师范大学	IMNU	5	高校
Entomological Museum, Northwest A & F University	Northwest A&F University	西北农林科技大学	NWAFU	43	高校
Chinese Academy of Forestry	Chinese Academy of Forestry, Beijing, China	中国林业科学研究院	CAF	2	科研院所
Institute of Entomology, Guizhou University, Guiyang, China	Guizhou University	贵州大学	GUGC	32	高校
Taiwan Museum of Natural Science	Taiwan Museum of Natural Science	台湾自然科学博物馆	TNMNS	3	博物馆
School of Karst Science, Guizhou Normal University	Guizhou Normal University	贵州师范大学	GZNU	7	高校
Institute of Karst Caves, Guizhou Normal University					
National Museum of Nature and Science, Tsukuba, Japan	National Museum of Nature and Science, Tsukuba, Japan	日本国立科学博物馆	NSMT	1	博物馆
Kyushu University, Fukuoka, Japan	Kyushu University, Fukuoka, Japan	九州大学	ELKU	1	高校
Beijing Natural History Museum, China	Beijing Natural History Museum, China	北京自然博物馆	BMNHC	1	博物馆
Sun Yat-sen University, Guangzhou, China	Sun Yat-sen University, Guangzhou, China	中山大学	SYSU	2	高校
China Agricultural University, Beijing, China	China Agricultural University, Beijing, China	中国农业大学	CAU	21	高校
China West Normal University, Sichuan, China	China West Normal University, Sichuan, China	西华师范大学	CWNU	2	高校

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Names of deposit sites in primary literatures	English name of current deposit sites	Chinese name of current deposit sites	Abbreviation	Number	Property
Institute of Entomology, College of Life Sciences, Nankai University, Tianjin, China	Nankai University, Tianjin, China	南开大学	NKU	6	高校
Department of Entomology, the National Museum, Prague, Czech Republic	National Museum, Prague, Czech Republic	布拉格国家博物馆	NMPCR	2	博物馆
College of Forestry, Jiangxi Agricultural University, Jiangxi, China	Jiangxi Agricultural University	江西农业大学	JAU	1	高校
Department of Forestry Protection, Beijing Forestry University, Beijing, China	Beijing Forestry University, Beijing, China	北京林业大学	BFUC	1	高校
Odonata Collection of the Kunming Institute of Zoology, Chinese Academy of Sciences, Kunming, Yunnan Province, China	Kunming Institute of Zoology, Chinese Academy of Sciences, Yunnan, China	中国科学院昆明动物研究所	KIZCAS	1	科研院所
Naturalis Biodiversity Center, Leiden, Netherlands	Naturalis Biodiversity Center, Leiden, Netherlands	荷兰自然生物多样性中心	RMNH	3	其他
Natural Museum of Hebei University, Baoding, Hebei, China	Hebei University, Hebei, China	河北大学	NMHU	30	高校
College of Life Sciences, Hebei University, Baoding, China					
Northwest Plateau Institute of Biology, Chinese Academy of Sciences, Xining, China	Northwest Plateau Institute of Biology, Chinese Academy of Sciences, Xining, China	中国科学院西北高原生物研究所	NPIBCAS	1	科研院所
Institute of Entomocetics Research, Dali University	Dali University	大理大学	BMDU	5	高校
Biological Science Museum, Dali University					
Museum of Flora and Fauna, Shaanxi Normal University, Xi'an, China	Shaanxi Normal University, Xi'an, China	陕西师范大学	SNNU	1	高校
Museum of Biology, East China Normal University	East China Normal University, Shanghai, China	华东师范大学	ECNU	7	高校
College of Plant Protection, Shandong Agricultural University	Shandong Agricultural University, Shandong, China	山东农业大学	SAU	1	高校
Specimen Room of the School of Life Sciences, Huaibei Normal University	Huaibei Normal University, Anhui, China	淮北师范大学	HNU	3	高校
Entomological Museum of Hechi University, Yizhou, China	Hechi University, Yizhou, China	河池学院	EMHU	8	高校
Natural History Museum, London, United Kingdom	Natural History Museum, London, United Kingdom	伦敦自然历史博物馆	NHML	8	博物馆

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Leshan Normal University, Sichuan, China	Leshan Normal University, Sichuan, China	乐山师范学院	LNU	3	高校
Hong Kong Entomological Society, Hong Kong, China	Hong Kong Entomological Society, Hong Kong, China	香港昆虫学会	HKES	11	其他
Guangdong Institute for Applied Biological Resources, Guangdong, China	Institute of Zoology, Guangdong Academy of Sciences, Guangdong, China	广东省科学院动物研究所	GIABR	4	科研院所
Price Institute for Parasite Research, University of Utah, Salt Lake City, United States	University of Utah, Salt Lake City, United States	犹他大学	PIPR	1	高校
Insect Collection of Yangzhou University	Yangzhou University, Jiangsu, China	扬州大学	ICYZU	7	高校
Zoologisches Forschungsmuseum Alexander Koenig, Bonn	Rhine University, North Rhine-Westphalia, Germany	波恩大学柯尼希博物馆	ZFMK	2	高校
Guangxi University, Guangxi	Guangxi University, Guangxi, China	广西大学	GXU	2	高校
Yunnan Institute of Endemic Disease Control and Prevention	Yunnan Institute of Endemic Disease Control and Prevention, Yunnan, China	云南省地方病防治所	YEDCP	1	科研院所
Medical Insect Collection of Institute of Microbiology and Epidemiology, Academy of Military Medical Sciences	Academy of Military Medical Sciences, China	军事医学科学院	AMMC	1	科研院所
Yunnan Agricultural University	Yunnan Agricultural University, Yunnan, China	云南农业大学	YAU	5	高校
Australian National Insect Collection, Canberra	Australian National Insect Collection, Australia	澳大利亚国家昆虫收藏	ANIC	4	其他
Jilin University	Jilin University, Jilin, China	吉林大学	JLU	1	高校
Shaanxi University of Technology	Shaanxi University of Technology, Shaanxi, China	陕西理工大学	SUT	1	高校
Clemson University Arthropod Collection, Clemson University, Clemson, South Carolina, USA	Clemson University, South Carolina, USA	克莱门森大学	CUAC	1	高校
Taiwan Agriculture Research Institute	Taiwan Agriculture Research Institute, Taiwan, China	台湾农业试验所	TARI	3	科研院所
Laboratory of Entomology, Tokyo University of Agriculture, Atsugi, Japan	Tokyo University of Agriculture, Atsugi, Japan	东京农业大学	TUA	1	高校
Bishop Museum, Honolulu	Hawai'i State Museum of Natural and Cultural History, USA	夏威夷国家自然历史文化博物馆	BMH	1	博物馆

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National Chung Hsing University, Taiwan, China	National Chung Hsing University, Taiwan, China	中兴大学	NCHU	2	高校
Naturhistorisches Museum, Basel, Switzerland	Naturhistorisches Museum, Basel, Switzerland	巴塞尔自然史博物馆	NHMB	2	博物馆
Moscow State Pedagogical University	Moscow State Pedagogical University	俄罗斯莫斯科国立师范大学	MSPU	1	高校
Guizhou Institute of Biology	Guizhou Institute of Biology, Guiyang, China	贵州科学院生物研究所	GZIB	8	科研院所
Collection Ernst Heiss at the Tiroler Landesmuseum Innsbruck		Ernst Heiss 个人收藏	CEHI	2	个人
Personal collection of Chao Wu (PCW)		Chao Wu 个人收藏	PCW	2	个人
Personal collection of Jiazhi Zhang, Shanghai, China		Jiazhi Zhang 个人收藏	CJZ	1	个人
Personal collection of Hao-miao Zhang		Hao-miao Zhang 个人收藏	PHMZ	1	个人