



Zootaxa 3807 (1): 001–082  
www.mapress.com/zootaxa/

Copyright © 2014 Magnolia Press

# Monograph

ISSN 1175-5326 (print edition)

**ZOOTAXA**

ISSN 1175-5334 (online edition)

<http://dx.doi.org/10.11646/zootaxa.3807.1.1>

<http://zoobank.org/urn:lsid:zoobank.org:pub:2D4B429C-A8E3-4B02-9C15-286FCF7D04F1>

# ZOOTAXA

3807

## Conspectus of the Phlaeothripinae genera from China and Southeast Asia (Thysanoptera, Phlaeothripidae)

LI-HONG DANG<sup>1,2</sup>, LAURENCE A. MOUND<sup>3</sup> & GE-XIA QIAO<sup>1,4</sup>

<sup>1</sup>Key Laboratory of Zoological Systematics and Evolution, Institute of Zoology, Chinese Academy of Sciences, No. 1 Beichen West Road, Chaoyang District, Beijing 100101, P.R.China

<sup>2</sup>University of Chinese Academy of Sciences, No. 19, Yuquan Road, Shijingshan District, Beijing 100049, P.R.China

<sup>3</sup>CSIRO Ecosystem Sciences, PO Box 1700, ACT 2601, Australia [[laurence.mound@csiro.au](mailto:laurence.mound@csiro.au)]

<sup>4</sup>Corresponding author. Email: [qiaogx@ioz.ac.cn](mailto:qiaogx@ioz.ac.cn)



Magnolia Press  
Auckland, New Zealand

Accepted by A. Cavalleri: 6 Mar. 2014; published: 29 May 2014

Licensed under a Creative Commons Attribution License <http://creativecommons.org/licenses/by/3.0>

LI-HONG DANG, LAURENCE A. MOUND & GE-XIA QIAO  
**Conspectus of the Phlaeothripinae genera from China and Southeast Asia**  
**(Thysanoptera, Phlaeothripidae)**  
(*Zootaxa* 3807)

82 pp.; 30 cm.

29 May 2014

ISBN 978-1-77557-401-9 (paperback)

ISBN 978-1-77557-402-6 (Online edition)

FIRST PUBLISHED IN 2014 BY

Magnolia Press

P.O. Box 41-383

Auckland 1346

New Zealand

e-mail: [zootaxa@mapress.com](mailto:zootaxa@mapress.com)

<http://www.mapress.com/zootaxa/>

© 2014 Magnolia Press

ISSN 1175-5326 (Print edition)

ISSN 1175-5334 (Online edition)

## Table of contents

Abstract	4
Introduction	5
Key to Phlaeothripinae genera from China and SE Asia	11
<i>Ablemnothrips</i> Ananthakrishnan	15
<i>Acanthothrips</i> Uzel	15
<i>Adelphothrips</i> Priesner	15
<i>Adraneothrips</i> Hood	17
<i>Agynaikothrips</i> Okajima	17
<i>Akarethrips</i> gen.n.	17
<i>Akarethrips iotus</i> sp.n.	18
<i>Alerothrips</i> Bhatti	18
<i>Aleurodothrips</i> Franklin	20
<i>Ananthakrishnana</i> Bhatti	20
<i>Andrethrips</i> Mound	20
<i>Androthrips</i> Karny	22
<i>Apelaunothrips</i> Karny	22
<i>Apterygothrips</i> Priesner	23
<i>Asianthrips</i> Okajima	23
<i>Athlibothrips</i> Priesner	23
<i>Austrothrips</i> Brethes	24
<i>Azaleothrips</i> Ananthakrishnan	24
<i>Baenothrips</i> Crawford	24
<i>Bagnalliella</i> Karny	25
<i>Bamboosiella</i> Ananthakrishnan	25
<i>Bradythrips</i> Hood & Williams	25
<i>Cephalothrips</i> Uzel	26
<i>Chaetokarnyia</i> Priesner	27
<i>Chelaeothrips</i> Karny	27
<i>Chirothripoides</i> Bagnall	27
<i>Coryphothrips</i> Karny	28
<i>Crinitothrips</i> Okajima	28
<i>Crotonothrips</i> Ananthakrishnan	28
<i>Deplorothrips</i> Mound & Walker	29
<i>Dolichothrips</i> Karny	29
<i>Dyothrips</i> Kudô	29
<i>Ecacanthothrips</i> Bagnall	31
<i>Eothrips</i> Hood	31
<i>Eugynothrips</i> Priesner	31
<i>Eurhynchothrips</i> Bagnall	32
<i>Gemmathrips</i> Reyes	32
<i>Gigantothrips</i> Zimmermann	32
<i>Glenothrips</i> Priesner	33
<i>Gynaikothrips</i> Zimmermann	33
<i>Habrothrips</i> Ananthakrishnan	35
<i>Haplothrips</i> Amyot & Serville	35
<i>Heliothripoides</i> Okajima	36
<i>Heliothripoides boltoni</i> sp.n.	36
<i>Holothrips</i> Karny	38
<i>Hoplandrothrips</i> Hood	38
<i>Hoplothrips</i> Amyot & Serville	38
<i>Horistothrips</i> Morgan	41
<i>Hyidiothrips</i> Hood	43
<i>Isotrichothrips</i> Priesner	43
<i>Jennythrips</i> Bhatti	43
<i>Karnyothrips</i> Watson	46
<i>Leeuwenia</i> Karny	46
<i>Liophloeothrips</i> Priesner	46
<i>Liothrips</i> Uzel	49
<i>Litotetothrips</i> Priesner	49
<i>Lizalothrips</i> Okajima	49
<i>Logadothrips</i> Priesner	53
<i>Macrophthalmothrips</i> Karny	54

<i>Manothrips</i> Priesner	54
<i>Margaritothrips</i> Priesner	54
<i>Mastigothrips</i> Priesner	55
<i>Medogothrips</i> Han	55
<i>Menothrips</i> Hood	55
<i>Mesothrips</i> Zimmermann	57
<i>Murphythrips</i> Mound & Palmer	58
<i>Myopothrips</i> Priesner	58
<i>Mystrothrips</i> Priesner	62
<i>Oidanothrips</i> Moulton	62
<i>Okajimathrips</i> Bhatti	62
<i>Phasmothrips</i> Priesner	64
<i>Phenicothrips</i> Bhatti	64
<i>Phylladothrips</i> Priesner	64
<i>Plectrothrips</i> Hood	65
<i>Plicothrips</i> Bhatti	65
<i>Pnigmothrips</i> Priesner	65
<i>Podothrips</i> Hood	66
<i>Ponticulothrips</i> Haga & Okajima	66
<i>Praeciputhrips</i> Reyes	66
<i>Praepodothrips</i> Priesner & Seshadri	67
<i>Preeriella</i> Hood	67
<i>Propealiothrips</i> Reyes	67
<i>Propesolomonthrips</i> Reyes	68
<i>Prosantothrips</i> Priesner	68
<i>Psalidothrips</i> Priesner	68
<i>Psephenothrips</i> Reyes	69
<i>Pygmaeothrips</i> Karny	69
<i>Rosingothrips</i> Reyes	69
<i>Sagenothrips</i> Priesner	70
<i>Sinuothrips</i> Collins	70
<i>Solomonthrips</i> Mound	70
<i>Sophiothrips</i> Hood	71
<i>Sphingothrips</i> Ananthakrishnan	71
<i>Stephanothrips</i> Trybom	71
<i>Strepterothrips</i> Hood	72
<i>Streptothrips</i> Priesner	72
<i>Sumatrothrips</i> Priesner	72
<i>Terthrothrips</i> Karny	73
<i>Terthrothrips strasseni</i> sp.n.	73
<i>Thlibothrips</i> Priesner	74
<i>Trichinothrips</i> Bagnall	74
<i>Urothrips</i> Bagnall	75
<i>Veerabahuthrips</i> Ramakrishna	75
<i>Xylaplothrips</i> Priesner	76
<i>Zelotothrips</i> Priesner	76
Acknowledgements	77
References	77

## Abstract

An illustrated identification key is provided to 100 genera of Phlaeothripinae from China and Southeast Asia, together with a diagnosis for each genus, and comments on the species diversity. One new genus with a new species, *Akarethrips iotus* **gen.n.** & **sp.n.**, and two new species, *Heliothripoides boltoni* **sp.n.** and *Terthrothrips strasseni* **sp.n.**, are described from specimens collected in Peninsular Malaysia and Java respectively. Three Phlaeothripinae genera are synonymised, *Mychiothrips* Haga & Okajima **syn.n.** of *Veerabahuthrips* Ramakrishna, *Syringothrips* Priesner **syn.n.** of *Gigantothrips* Zimmermann, and *Sauridothrips* Priesner **syn.n.** of *Gynaikothrips* Zimmermann. In addition, four nomenclatural changes are included, *Adelphothrips ignotus* (Reyes) **comb.n.** transferred from *Mesothrips*, *Karnyothrips palmerae* (Chen) **comb.n.** from *Xylaplothrips*, *Xylaplothrips bogoriensis* (Karny) **comb.n.** from *Brachytrips*, and *Oidanothrips notabilis* Feng, Guo & Duan considered as a **new synonym** of *Oidanothrips frontalis* (Bagnall).

**Key words:** Phlaeothripinae, genera, illustrated key, new genus, new species, China, Southeast Asia

## Acknowledgements

We are particularly grateful to the following who have arranged the loan of many specimens used in this study: Andrea Hastenpflug-Vesmanis of the Senckenberg Museum, Frankfurt; Paul Brown of the Natural History Museum, London; Shuji Okajima and Masami Masumoto of Tokyo, Japan; FengChyi Lin of the Taiwan Agricultural Research Institute, Taichung; Ban-Suo Duan of Inner Mongolia Autonomous Region, China. Many thanks also are due to C.P. Liu and F.D. Yang for making microscope slides. This work was supported by National Science Funds for Distinguished Young Scientists (No. 31025024), National Science Fund for Fostering Talents in Basic Research (No. J1210002), and a grant from the Ministry of Science and Technology of the People's Republic of China (No. SQ2012FY4910058). The first author has been supported by a grant from the China Scholarship. The authors take responsibility for the accuracy of the information provided here, but are deeply grateful to the editor and three referees who provided us with detailed criticisms and corrections to an earlier draft.

## References

- Amyot, C.J.B. & Audinet-Serville, J.G. (1843) *Histoire Naturelle des Insectes. Hémiptères*. Librairie Encyclopédique de Roret, Paris, 20 pp.
- Ananthkrishnan, T.N. (1957) *Bamboosiella* nov.gen. (Phlaeothripidae, Tubulifera) from India. *Entomological News*, 68, 65–68.
- Ananthkrishnan, T.N. (1972) Further studies on Indian Gall Thrips. *Marcellia*, [1971], 37 (3), 111–127.
- Ananthkrishnan, T.N. (1976) Studies on *Mesothrips* (Thysanoptera: Tubulifera). *Oriental Insects*, 10, 185–214.  
<http://dx.doi.org/10.1080/00305316.1976.10434905>
- Ananthkrishnan, T.N. (1964) Thysanopterologica Indica II. *Entomologisk Tidskrift*, 85, 218–235.
- Ananthkrishnan, T.N. (1968) Studies on new and little known Indian Thysanoptera. *Oriental Insects*, 1, 113–138.  
<http://dx.doi.org/10.1080/00305316.1967.10433856>
- Ananthkrishnan, T.N. (1969) Mycophagous Thysanoptera - II. *Oriental Insects*, 3, 289–299.  
<http://dx.doi.org/10.1080/00305316.1969.10433918>
- Ananthkrishnan, T.N. & Sen, S. (1980) Taxonomy of Indian Thysanoptera. *Zoological Survey of India (Handbook Series)*, 1, 1–234.
- Ashmead, W.H. (1905) A new thrips from the Philippine Islands. *Entomological News*, 16, 20.
- Bagnall, R.S. (1908) On some new genera and species of Thysanoptera. *Transactions of the Natural History Society of Northumberland*, 3, 183–217.
- Bagnall, R.S. (1909) Synonymical notes; with a description of a new genus of Thysanoptera. *Annals de la Societe entomologique de Belge*, 52, 348–352.
- Bagnall, R.S. (1915) On a collection of Thysanoptera from the West Indies, with descriptions of new genera and species. *Journal of the Linnean Society Zoology*, 32, 495–507.  
<http://dx.doi.org/10.1111/j.1096-3642.1915.tb01871.x>
- Bagnall, R.S. (1918) Brief descriptions of new Thysanoptera IX. *Annals and Magazine of Natural History*, Series 9, 1, 201–221.
- Bagnall, R.S. (1929) A new thrips-gall on Ironwood (*Messua ferrea*) and its inhabitants. *Annals and Magazine of Natural History*, Series 10, 3, 601–606.  
<http://dx.doi.org/10.1080/00222932908673016>
- Bhatti, J.S. (1967) Thysanoptera nova Indica. Published by the author, Delhi, 24 pp.
- Bhatti, J.S. (1979) Studies in some haplothripine forms. *Nouvelle Revue d'Entomologie*, 9, 305–311.
- Bhatti, J.S. (1992) The Order Tubulifera (Insecta): Its characters and classification into families. *Zoology (Journal of Pure and Applied Zoology)*, 3, 127–162.
- Bhatti, J.S. (1993) List of world genera of the order Tubulifera (Insecta). *Zoology (Journal of Pure and Applied Zoology)*, 3, 241–271.
- Bhatti, J.S. (1995) Studies on some Phlaeothripidae (Insecta: Tubulifera). *Zoology (Journal of Pure and Applied Zoology)*, 5, 97–110.
- Bhatti, J.S. (1998) New structural features in the Order Tubulifera (Insecta). 1. Amalgamation of labro-maxillary complex with cranium and other cephalic structures. *Zoology (Journal of Pure and Applied Zoology)*, 5, 147–176.
- Bhatti, J.S. (2004) T.N. Ananthkrishnan's taxa of Thysanoptera 1950 to 1980. *Thysanoptera*, 2, 85–181.
- Brethes (1915) Descripcion un de genera nuevo y una nueva especie de "Tisanoptero" de la republica Argentina. *Anales del Museo Nacional de Historia Natural de Buenos Aires*, 27, 89–92.
- Buckman, R.S., Mound, L.A. & Whiting, M.F. (2013) Phylogeny of thrips (Insecta: Thysanoptera) based on five molecular loci. *Systematic Entomology*, 38, 123–133.  
<http://dx.doi.org/10.1111/j.1365-3113.2012.00650.x>

- Cao, S.J. & Feng, J.N. (2011) A newly recorded species of the Genus *Cephalothrips* Uzel (Thysanoptera: Phlaeothripidae) from China. *Entomotaxonomia*, 33 (3), 192–194.
- Chen, L.S. (1980) Thrips associated with Mulberry plant (*Morus* sp.) in Taiwan. *Proceedings of the National Science Council (Taiwan)*, 4, 169–182.
- Collins, D.W. (2000) A new genus and species of haplothripine thrips (Thysanoptera: Phlaeothripidae) with a prominent dorsal projection from the head. *Insect Systematics and Evolution*, 31, 285–289.  
<http://dx.doi.org/10.1163/187631200x00048>
- Crawford, J.C. (1948) A new genus of Urothripidae from Guatemala. *Proceedings of the Entomological Society of Washington*, 50, 39–40.
- Crespi, B.J. (1988) Adaptation, compromise and constraint: the development, morphometrics and behavioral basis of a fighter-flier polymorphism in male *Hoplothrips karnyi*. *Behavioral Ecology and Sociobiology*, 23, 93–104.  
<http://dx.doi.org/10.1007/bf00299892>
- Crespi, B.J., Morris, D.C. & Mound, L.A. (2004) *Evolution of ecological and behavioural diversity: Australian Acacia thrips as model organisms*. Australian Biological Resources Study, Canberra & Australian National Insect Collection, Canberra, 328 pp.
- Dang, L.H. & Qiao, G.X. (2012) First record of the genus *Coxothrips* Bournier from China with two new record species (Thysanoptera, Phlaeothripidae, Phlaeothripinae). *Acta Zootaxonomica Sinica*, 37 (4), 889–893.
- Dang, L.H. & Qiao, G.X. (2013a) First record of the genus *Sinuothrips* Collins in Phlaeothripinae (Thysanoptera: Phlaeothripidae) from China. *Acta Zootaxonomica Sinica*, 38 (2), 427–431.
- Dang, L.H. & Qiao, G.X. (2013b) Review of the spore-feeding Idolothripinae from China (Thysanoptera, Phlaeothripidae). *Zookeys*, 345, 1–28.  
<http://dx.doi.org/10.3897/zookeys.345.6167>
- Dang, L.H., Mound, L.A. & Qiao, G.X. (2013) Leaf-litter thrips of the genus *Adraneothrips* from Asia and Australia (Thysanoptera, Phlaeothripinae). *Zootaxa*, 3716 (1), 1–21.  
<http://dx.doi.org/10.11646/zootaxa.3716.1.1>
- Eow, L.X., Mound, L.A. & Ng, Y.F. (2011) Genera of Spore-Feeding Thysanoptera from Southeast Asia (Phlaeothripidae, Idolothripinae), with a species checklist from Peninsular Malaysia. *Zootaxa*, 2928, 1–19.
- Feng, J.N., Guo, F.Z. & Duan, B.S. (2006) A new species of the genus *Oidanothrips* Moulton from China (Thysanoptera, Phlaeothripidae). *Acta Zootaxonomica Sinica*, 31 (1), 165–167.
- Franklin, H.J. (1909) On Thysanoptera. *Entomological News*, 20, 228–231.
- Haga, K. & Okajima, S. (1979) A new phlaeothripine genus and species (Thysanoptera, Phlaeothripidae) from Japan. *Annotationes zoologicae Japonensis*, 52, 266–271.
- Haga, K. & Okajima, S. (1983) A new genus and species of Phlaeothripidae (Thysanoptera) harmful to Persimmon from Japan. *Annotationes zoologicae Japan*, 56, 241–245.
- Haliday, A.H. (1836) An epitome of the British genera in the Order Thysanoptera with indications of a few of the species. *Entomological Magazine*, 3, 439–451.
- Han, Y.F. (1988) Thysanoptera: Aeolothripidae, Thripidae, Phlaeothripidae. In: Huang, F.-S. (Eds.) *Insects of Mt. Namjagbarwa Region of Xizang*. Science Press, Beijing, pp. 177–191.
- Han, Y.F. (1997) *Economic Insect Fauna of China. 55 Thysanoptera*. Editorial Committee of Fauna Sinica, Science Press, Beijing, 514 pp.
- Han, Y.F., Cui, Y.Q., Hu, X.G. & Cui, W.Q. (1991) Two new species of Phlaeothripids from Hengduan Mountains, China. *Acta Entomologica Sinica*, 34, 337–340.
- Hoddle, M.S., Mound, L.A. & Paris, D.L. (2012) *Thrips of California 2012*. Available from: [http://www.lucidcentral.org/keys/v3/thrips\\_of\\_california/Thrips\\_of\\_California.html](http://www.lucidcentral.org/keys/v3/thrips_of_california/Thrips_of_California.html) (accessed 25 March 2014)
- Hood, J.D. (1908) New genera and species of Illinois Thysanoptera. *Bulletin of the Illinois State Laboratory of Natural History*, 8, 361–379.
- Hood, J.D. (1912) Descriptions of new North American Thysanoptera. *Proceedings of the Entomological Society of Washington*, 14, 129–160.
- Hood, J.D. (1913) Two new Thysanoptera from Porto Rico. *Insecutor inscitiae menstruus*, 1, 65–70.
- Hood, J.D. (1915) *Hoplothrips corticis*: a problem in nomenclature. *The Entomologist*, 1915, 102–107.
- Hood, J.D. (1919) On some new Idolothripidae (Thysanoptera). *Insecutor inscitiae menstruus*, 7, 66–74.
- Hood, J.D. (1925) New neotropical Thysanoptera collected by C.B. Williams. *Psyche*, 32, 48–69.  
<http://dx.doi.org/10.1155/1925/38498>
- Hood, J.D. (1934) New Thysanoptera from Panama. *Journal of the New York Entomological Society*, 41, 407–434.
- Hood, J.D. (1938) Studies in Neotropical Thysanoptera VIII. *Revista de Entomologia*, 9, 404–426.
- Hood, J.D. (1939) New north American Thysanoptera, principally from Texas. *Revista de Entomologia*, 10, 550–619.
- Hood, J.D. (1957) New Brazilian Thysanoptera. *Proceedings of the Biological Society of Washington*, 70, 129–180.
- Hood, J.D. & Williams, C.B. (1925) New neotropical Thysanoptera collected by C.B. Williams. *Psyche*, 32, 48–69.  
<http://dx.doi.org/10.1155/1925/38498>
- Karny, H. (1911a) Neue Phloeothripiden-Genera. *Zoologische Anzeiger*, 38, 501–504.
- Karny, H. (1911b) Über Thrips-Gallen und Gallen-Thripse. *Zentralblatt für Bakteriologie, Parasitenkunde*,

*Infektionskrankheiten und Hygiene. Abteilung II*, 30, 556–572.

- Karny, H. (1912a) Revision der von Serville aufgestellten Thysanopteren-Genera. *Zoologische Annalen*, 4, 322–344.
- Karny, H. (1912b) Gallenbewohnende Thysanopteren aus Java. *Marcellia*, 1, 115–169.
- Karny, H. (1912c) Zwei Neue javanische Physapoden-Genera. *Zoologischer Anzeiger*, 40, 297–301.
- Karny, H. (1913) Beiträge zur Kenntnis der Gallen von Java 5. Über die javanischen Thysanopteren-ccidien und deren Bewohner. *Bulletin du Jardin Botanique de Buitenzorg*, 10, 1–126.
- Karny, H. (1920) Nova Australiska Thysanoptera, jez nashbiral Mjöberg. *Casopis Ceskoslovenské společnosti entomologické*, 17, 35–44.
- Karny, H. (1922a) Zorapteren aus Süd-Sumatra. *Treubia*, 3, 14–37.
- Karny, H. (1922b) Thysanoptera from Siam and Indo-China. *Journal of the Siam Society*, 16, 91–153.
- Karny, H. (1923) Beiträge zur Malayischen Thysanopterenfauna VI. Malayische Rindenthripse, gessammelt von Dr. N.A. Kemner. VII. Gallenbewohnende Thysanopteren von Celebes und den Inseln südlich davon, gesammelt von Herrn W. Doctors v. Leeuwen. VIII. Ueber die tiergeographischen Beziehungen der malayischen Thysanopteren. *Treubia*, 3, 277–380.
- Karny, H. (1925) Über *Phlaeothrips sanguinolentus* Bergroth nebst einer Revision der Diceratothripinen-Genera. *Notulae entomologicae*, 5, 77–84.
- Kudo, I. (1974) Some graminivorous and gall forming Thysanoptera of Taiwan. *Kontyu*, 42, 110–116.
- Kudo, I. (1994) Further notes on the genus *Litotetothrips* (Thysanoptera: Phlaeothripidae). *Insecta matsumurana*, 50, 53–78.
- Kudo, I. (1995) Some Panchaetothripinae from Nepal, Malaysia and the Philippines (Thysanoptera: Terebrantia: Thripidae). *Insecta Matsumurana*, New series 52, 81–103.
- Kudo, I. (1997) Malaysian Hydatothrips with some species from neighboring areas (Thysanoptera, Terebrantia, Thripidae). *Japanese Journal of Systematic Entomology*, 3, 325–365.
- MacKinnon, K. & Phillips, K. (1993) *A Field Guide to the Birds of Borneo, Sumatra, Java and Bali*. Oxford University Press, 491 pp.
- Minaei, K. (2013) The *Phlaeothrips*-lineage of fungus feeding thrips (Thysanoptera: Phlaeothripidae) in Iran with a new species of *Hindsiothrips*. *Zootaxa*, 3599 (3), 279–290.  
<http://dx.doi.org/10.11646/zootaxa.3599.3.5>
- Minaei, K., Azemayeshfard, P. & Mound, L.A. (2007) The southern Palearctic genus *Neoheegeria* (Thysanoptera: Phlaeothripidae): redefinition and key to species. *Tijdschrift voor Entomologie*, 150, 55–64.  
<http://dx.doi.org/10.1163/22119434-900000212>
- Mirab-balou, M., Tong, X.L., Feng, J.N. & Chen, X.X. (2011) Thrips (Insecta: Thysanoptera) of China. *Checklist*, 7 (6), 720–744.
- Mirab-balou, M. & Chen, X.X. (2010) A new method for preparing and mounting thrips for microscopic examination. *Journal of Environmental Entomology*, 32 (1), 115–121.
- Morgan, A.C. (1913) New genera and species of Thysanoptera with notes on distribution and food plants. *Proceedings of the United States National Museum*, 46, 1–55.  
<http://dx.doi.org/10.5479/si.00963801.46-2008.1>
- Moulton, D. (1944) Thysanoptera of Fiji. *Occasional Papers of the Bishop Museum*, 17, 267–311.
- Mound, L.A. (1970) Thysanoptera from the Solomon Islands. *Bulletin of the British Museum (Natural History) Entomology*, 24, 83–126.
- Mound, L.A. (1972) Species complexes and the generic classification of leaf-litter thrips of the Tribe Urothripini (Phlaeothripidae). *Australian Journal of Zoology*, 20, 83–103.  
<http://dx.doi.org/10.1071/zo9720083>
- Mound, L.A. (1974) *Andrethrips floydi* - a remarkable new Thysanopteron. *Journal of Entomology*, 43, 109–113.  
<http://dx.doi.org/10.1111/j.1365-3113.1974.tb00095.x>
- Mound, L.A. (1989) Systematics of thrips (Insecta: Thysanoptera) associated with mosses. *Zoological Journal of the Linnean Society*, 96, 1–17.  
<http://dx.doi.org/10.1111/j.1096-3642.1989.tb01818.x>
- Mound, L.A. (2002) *Zemiathrips*; a new genus of fungus-feeding phlaeothripine Thysanoptera in Australian leaf-litter. *Australian Journal of Entomology*, 41, 209–215.  
<http://dx.doi.org/10.1046/j.1440-6055.2002.00296.x>
- Mound, L.A. (2004) Australian long-tailed gall thrips (Thysanoptera, Phlaeothripinae, Leeuweniini), with comments on related Old World taxa. *Australian Journal of Entomology*, 43, 36–45.  
<http://dx.doi.org/10.1111/j.1440-6055.2004.00406.x>
- Mound, L.A. (2008) Identification and host associations of some Thysanoptera Phlaeothripinae described from Australia pre-1930. *Zootaxa*, 1714, 41–60.
- Mound, L.A. (2013a) Homologies and host-plant specificity: recurrent problems in the study of thrips. *Florida Entomologist*, 96 (2), 318–322.  
<http://dx.doi.org/10.1653/024.096.0250>
- Mound, L.A. (2013b) Species diversity in the Palaeotropical leaf-litter genus *Apelaunothrips* (Thysanoptera, Phlaeothripinae). *Zootaxa*, 3741 (1), 181–193.

- <http://dx.doi.org/10.11646/zootaxa.3741.1.7>
- Mound, L.A. & Azidah, A.A. (2009) Species of the genus *Thrips* (Thysanoptera) from Peninsular Malaysia, with a checklist of recorded Thripidae. *Zootaxa*, 2023, 55–68.  
<http://dx.doi.org/10.1111/j.1440-6055.1998.tb01535.x>
- Mound, L.A., Crespi, B.J. & Tucker, A. (1998) Polymorphism and kleptoparasitism in thrips (Thysanoptera: Phlaeothripidae) from woody galls on *Casuarina* trees. *Australian Journal of Entomology*, 37, 8–16.
- Mound, L.A., Dang, L.H. & Tree, D.J. (2013) Genera of fungivorous Phlaeothripinae (Thysanoptera) from dead branches and leaf-litter in Australia. *Zootaxa*, 3681 (3), 201–224.  
<http://dx.doi.org/10.11646/zootaxa.3681.3.1>
- Mound, L.A. & Marullo, R. (1996) The Thrips of Central and South America: An Introduction. *Memoirs on Entomology, International*, 6, 1–488.
- Mound, L.A. & Minaei, K. (2007) Australian insects of the *Haplothrips* lineage (Thysanoptera - Phlaeothripinae). *Journal of Natural History*, 41 (45–48), 2919–2978.  
<http://dx.doi.org/10.1080/00222930701783219>
- Mound, L.A. & Ng, Y.F. (2009) An illustrated key to the genera of Thripinae (Thysanoptera) from South East Asia. *Zootaxa*, 2265, 27–47.
- Mound, L.A. & Palmer, J.M. (1983a) The generic and tribal classification of spore-feeding Thysanoptera (Phlaeothripidae: Idolothripinae). *Bulletin of the British Museum (Natural History), Entomology*, 46, 1–174.
- Mound, L.A. & Palmer, J.M. (1983b) An enigmatic fungus-feeding Thysanopteran from Singapore. *Systematic Entomology*, 8 (4), 421–424.  
<http://dx.doi.org/10.1111/j.1365-3113.1983.tb00492.x>
- Mound, L.A. & Tree, D.J. (2013) Fungus-feeding thrips from Australia in the worldwide genus *Hoplandrothrips* (Thysanoptera, Phlaeothripinae). *Zootaxa*, 3700 (3), 476–494.  
<http://dx.doi.org/10.11646/zootaxa.3700.3.8>
- Mound, L.A. & Walker, A.K. (1982) Evolutionary significance and generic classification of the Williamsiellina (Thysanoptera: Phlaeothripidae). *Systematic Entomology*, 7, 347–355.  
<http://dx.doi.org/10.1111/j.1365-3113.1982.tb00451.x>
- Mound, L.A. & Walker, A.K. (1986) Tubulifera (Insecta: Thysanoptera). *Fauna of New Zealand*, 10, 1–140.
- Mound, L.A., Wheeler, G. & Williams, D.A. (2010) Resolving cryptic species with morphology and DNA; thrips as a potential biocontrol agent of Brazilian peppertree, with a new species and overview of *Pseudophilothrips* (Thysanoptera). *Zootaxa*, 2432, 59–68.
- Nasruddin, A. & Mound, L.A. (2012) Seasonal abundance and biology of *Crotonothrips polyalthiae* (Thysanoptera: Phlaeothripidae), and its damage to a shade tree, *Polyalthia longifolia*. *Florida Entomologist*, 95, 610–616.  
<http://dx.doi.org/10.1653/024.095.0311>
- Ng, Y.F., Eow, L.X. & Mound, L.A. (2010) A new species of genus *Thrips* (Thysanoptera, Thripinae) from flowers in Peninsular Malaysia. *Zootaxa*, 2638, 65–68.
- Okajima, S. (1978a) Notes on the Thysanoptera from Southeast Asia II. A new species of the genus *Veerabahuthrips* (Phlaeothripidae). *Kontyu*, 46, 165–168.
- Okajima, S. (1978b) Notes on the Thysanoptera from Southeast Asia IV. A new genus and two new species of the tribe Hydiiothripini (Phlaeothripidae). *Kontyu*, 46, 539–548.
- Okajima, S. (1981) A revision of the tribe Plectrothripini of fungus-feeding Thysanoptera (Phlaeothripidae: Phlaeothripinae). *Systematic Entomology*, 6, 291–336.  
<http://dx.doi.org/10.1111/j.1365-3113.1981.tb00441.x>
- Okajima, S. (1983) Four new species of *Ecacanthothrips* from the Oriental region (Thysanoptera, Phlaeothripidae). *Kontyu*, 51, 56–65.
- Okajima, S. (1984) *Apelaunothripini* from the Philippines (Thysanoptera: Phlaeothripidae). *Journal of Natural History*, 18, 717–738.  
<http://dx.doi.org/10.1080/00222938400770611>
- Okajima, S. (1987a) Studies on the old world species of *Holothrips* (Thysanoptera, Phlaeothripidae). *Bulletin of the British Museum (Natural History), Entomology*, 54, 1–74.
- Okajima, S. (1987b) The genus *Sophiothrips* (Thysanoptera, Phlaeothripidae) from eastern Asia, with descriptions of two new species. *Kontyu*, 55, 549–558.
- Okajima, S. (1987c) Some Thysanoptera from the East Kalimantan, Borneo, with descriptions of a new genus and five new species. *Transactions of the Shikoku Entomological Society*, 18, 289–299.
- Okajima, S. (1988a) Studies on the genus *Crinitothrips* (Thysanoptera, Phlaeothripidae), with descriptions of two new species. *Kontyu*, 56, 465–473.
- Okajima, S. (1988b) The genus *Phylladothrips* (Thysanoptera, Phlaeothripinae) from east Asia. *Kontyu*, 54, 706–722.
- Okajima, S. (1989a) Five new species of the genus *Stephanothrips* (Thysanoptera, Phlaeothripidae) from Southeast Asia, with a key to the East Asian species. *Japanese Journal of Entomology*, 57, 25–36.
- Okajima, S. (1989b) The genus *Deplorothrips* Mound & Walker (Thysanoptera, Phlaeothripidae) from eastern Asia, with descriptions of six new species. *Japanese Journal of Entomology*, 57, 241–256.



- Okajima, S. (1993) Bamboo inhabiting genera *Mychiothrips* and *Veerabahuthrips* (Thysanoptera, Phlaeothripidae) from Asia. *Japanese Journal of Entomology*, 61, 723–736.
- Okajima, S. (1995a) The genus *Hyidiothrips* Hood (Thysanoptera, Phlaeothripidae) from east Asia. *Japanese Journal of Entomology*, 63, 167–180.
- Okajima, S. (1995b) A revision of the bamboo- and grass-inhabiting genus *Bamboosiella* Ananthakrishnan (Thysanoptera, Phlaeothripidae) I & II. *Japanese Journal of Entomology*, 63, 303–321, 469–484.
- Okajima, S. (1997) The genus *Alerothrips* (Thysanoptera, Phlaeothripidae), with descriptions of two new species from Thailand. *Japanese Journal of Entomology*, 65, 773–783.
- Okajima, S. (1998a) The genus *Andrethrips* (Thysanoptera: Phlaeothripidae), with description of a new species. *Entomological Science*, 1, 71–76.
- Okajima, S. (1998b) Minute leaf-litter thrips of the genus *Preeriella* (Thysanoptera, Phlaeothripidae) from Asia. *Species Diversity*, 3, 301–316.
- Okajima, S. (1999a) The Oriental genus *Ablemothrips* (Thysanoptera: Phlaeothripidae), and sexual dimorphism in the postocular setae. *Entomological Science*, 2, 257–263.
- Okajima, S. (1999b) The significance of stylets length in Thysanoptera, with a revision of *Oidanothrips* (Phlaeothripidae), an Old World genus of large fungus-feeding species. *Entomological Science*, 2, 265–279.
- Okajima, S. (2006) *The Insects of Japan. Vol. 2. The suborder Tubulifera (Thysanoptera)*. Touka Shobo Co Ltd., Fukuoka, 720 pp.
- Okajima, S. & Urushihara, H. (1995) Descriptions of four new urothripine species (Thysanoptera, Phlaeothripidae) from south east Asia. *Japanese Journal of Systematic Entomology*, 1, 27–34.
- Okajima, S. & Urushihara, H. (1995) Studies on some *Stephanothrips* species (Thysanoptera: Phlaeothripidae) from Southeast Asia. *Japanese Journal of Systematic Entomology*, 1, 227–233.
- Palmer, J.M. & Mound, L.A. (1978) Nine genera of fungus-feeding Phlaeothripidae (Thysanoptera) from the Oriental Region. *Bulletin of the British Museum (Natural History) Entomology*, 37, 153–215.
- Palmer, J.M. & Mound, L.A. (1991) Thysanoptera. Chapter 2.2.5 In: Rosen, D. (Ed.), *The Armoured Scale Insects, Their Biology, Natural Enemies and Control. Vol. B*. Amsterdam, pp. 67–76.
- Priesner, H. (1919) Zur Thysanopteren-Fauna Albanien. *Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften*, 128, 115–144.
- Priesner, H. (1921) *Haplothrips*-Studien. *Treubia*, 2, 1–20.
- Priesner, H. (1926) Die Jugendstadien der malayischen Thysanopteren. *Treubia*, 8 (suppl.), 1–264.
- Priesner, H. (1928) *Die Thysanopteren Europas. Abteilung IV*. Wien: F. Wagner Verlag, pp. 569–755.
- Priesner, H. (1929a) Indomalayische Thysanopteren I. *Treubia*, 10, 447–462.
- Priesner, H. (1929b) Spolia Metawiensia: Thysanoptera. *Treubia*, 11, 187–210.
- Priesner, H. (1932) Indomalayische Thysanopteren IV [Teil 1]. *Konowia*, 11, 49–64.
- Priesner, H. (1933a) Contributions towards a knowledge of the Thysanoptera of Egypt, VIII. *Bulletin de la Societe Royale entomologique d’Egypte*, 17, 1–7.
- Priesner, H. (1933b) Indomalayische Thysanopteren IV [Teil 2]. *Konowia*, 12 (1–2), 69–85.
- Priesner, H. (1940) Thysanopterologica IX. *Philippine Journal of Science*, 71, 403–409.
- Priesner, H. (1949) Genera Thysanopterorum. Keys for the identification of the genera of the order Thysanoptera. *Bulletin de la Societe Royale entomologique d’Egypte*, 33, 31–157.
- Priesner, H. (1952) On some new genera and species of Thysanoptera from the Oriental region. *Indian Journal of Entomology*, 13, 183–200.
- Priesner, H. (1953) On the genera allied to *Liothrips* of the Oriental fauna, I. (Thysanoptera). *Treubia*, 22, 357–380.
- Priesner, H. (1961) Das System der Tubulifera (Thysanoptera). *Anzeiger mathematisch-naturwissenschaftliche Klasse, Österreichische Akademie der Wissenschaften*, [1960] 13, 283–296.
- Priesner, H. (1964a) Ordnung Thysanoptera (Fransenflügler, Thripse). in Franz H, *Bestimmungsbücher zur Bodenfauna Europas*, 2, 1–242.
- Priesner, H. (1964b) A monograph of the Thysanoptera of the Egyptian deserts. *Publications de l’Institut Desert d’Egypte*, 13, 1–549.
- Priesner, H. (1968) On the genera allied to *Liothrips* of the Oriental fauna II (Insecta-Thysanoptera). *Treubia*, 27, 175–285.
- Priesner, H. & Seshadri, A.R. (1952) Some new Thysanoptera from South India. *Indian Journal of agricultural Sciences*, 22, 405–411.
- Ramakrishna, T.V. (1932) A new genus and species of Thysanoptera from South India. *Records of the Indian Museum*, 34, 277–279.
- Reyes, C.P. (1994) Thysanoptera (Hexapoda) of the Philippine Islands. *The Raffles Bulletin of Zoology*, 42, 107–507.
- Reyes, C.P. (1996) Three new species of *Gynaikothrips* Zimmermann (Thysanoptera: Tubulifera) from the Philippines. *Aguinaldo College Journal*, 1 (1), 109–123.
- Ritchie, J.M. (1974) A revision of the grass-living genus *Podothrips* (Thysanoptera: Phlaeothripidae. *Journal of Entomology* (B), 43, 261–282.  
<http://dx.doi.org/10.1111/j.1365-3113.1975.tb00135.x>
- Sartiami, D. & Mound, L.A. (2013) Identification of the terebrantian thrips (Insecta, Thysanoptera) associated with cultivated

- plants in Java, Indonesia. *Zookeys*, 306, 1–21.  
<http://dx.doi.org/10.3897/zookeys.306.5455>
- Stannard, L.J. (1957) The phylogeny and classification of the North American genera of the sub-order Tubulifera (Thysanoptera). *Illinois Biological Monographs*, 25, 1–200.
- Stannard, L.J. (1968) The Thrips, or Thysanoptera, of Illinois. *Bulletin of the Illinois Natural History Survey*, 29, 213–552.
- ThripsWiki (2014) *ThripsWiki - providing information on the World's thrips*. Available from: [http://thrips.info/wiki/Main\\_Page](http://thrips.info/wiki/Main_Page) (accessed 23 January 2014)
- Tree, D.J. (2010) Intrapopulation Variation in an Australian Population of the North American Thrips, *Bagnalliella yuccae* (Thysanoptera: Phlaeothripidae), A New Record from Australia. *Florida Entomologist*, 93, 346–351.  
<http://dx.doi.org/10.1653/024.093.0304>
- Tree, D.J. & Mound, L.A. (2009) Gall-induction by an Australian insect of the family Thripidae (Thysanoptera: Terebrantia). *Journal of Natural History*, 43, 1147–1158.  
<http://dx.doi.org/10.1080/00222930902807767>
- Tree, D.J. & Walter, G.H. (2009) Diversity of host plant relationships and leaf galling behaviours within a small genus of thrips – *Gynaikothrips* and *Ficus* in south east Queensland. *Australian Journal of Entomology*, 48, 269–275.  
<http://dx.doi.org/10.1111/j.1440-6055.2009.00706.x>
- Tree, D.J. & Walter, G.H. (2012) Diversity and abundance of fungivorous thrips (Thysanoptera) associated with leaf-litter and bark across forest types and two tree genera in subtropical Australia. *Journal of Natural History*, 46, 2897–2918.  
<http://dx.doi.org/10.1080/00222933.2012.737037>
- Trybom, F. (1913) Physapoden aus natal und dem Zululande. *Arkiv för Zoologi*, 7 (33), 1–52.
- Tyagi, K. & Kumar, V. (2011) The Indian species of *Liophloeothrips* Priesner (Thysanoptera, Phlaeothripidae) with one new species. *Zootaxa*, 2803, 21–31.
- Ulitzka, M.R. & Mound, L.A. (2014) New generic synonyms in the Palaeotropical genus *Urothrips* (Thysanoptera: Phlaeothripinae) with one new species from Seychelles. *Zootaxa*, 3755 (6), 595–600.  
<http://dx.doi.org/10.11646/zootaxa.3755.6.6>
- Uzel, H. (1895) *Monographie der Ordnung Thysanoptera*. Königratz, Bohemia. Pp 1–472.
- Wang, C.L. (1996) Morphological characteristics, development and fecundity of *Haplothrips chinensis* Priesner (Thysanoptera: Phlaeothripidae). *Plant Protection Bulletin Taiwan*, 38, 191–202.
- Wang, J., Tong, X.L. & Zhang, W.Q. (2007) The genus *Psolidothrips* Priesner in China (Thysanoptera: Phlaeothripidae) with three new species. *Zootaxa*, 1642, 23–31.
- Watson, J.R. (1923) Synopsis and catalog of the Thysanoptera of North America. *Bulletin of the Agricultural Experiment Station, University of Florida*, 168, 1–100.
- Zhang, H.R., Okajima, S. & Mound, L.A. (2006) Collecting and slide preparation methods of thrips. *Chinese Bulletin of Entomology*, 43 (5), 725–728.
- Zhang, W.Q. (1984) Preliminary note on Thysanoptera collected from Hainan Island, Guangdong, China. III. Subfamily: Phlaeothripinae (Thysanoptera: Phlaeothripidae). *Journal of South China Agricultural University*, 5 (3), 15–27.
- Zhang, W.Q. & Tong, X.L. (1994) Checklist of thrips (Insecta: Thysanoptera) from China. *Zoology (Journal of Pure and Applied Biology)*, 4, 409–443.
- Zhang, W.Q., Tong, X.L., Luo, X.N. & Zhuo, W.X. (1999) Thysanoptera. In: Huang, B.K. (Ed.), *Fauna of Insects in Fujian Province of China. Vol. I*. Science & Technology Publisher of Fujian, Fuzhou, pp. 347–395.
- Zimmermann, A. (1900) Ueber einige javanische Thysanoptera. *Bulletin de l'Institut botanique de Buitenzorg*, 7, 6–19.
- Zur Strassen, R. (1994) Some reflections on the composition of the thrips fauna (Insecta: Thysanoptera) of Bali (Indonesia) along the biogeographical Bali-Lombok line. *Courier Forschungsinstitut Senckenberg*, 178, 33–48.