

Updated Generic Composition of the Global Nepticulidae

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In this chapter, we present the current generic composition of the global Nepticulidae based on data of our morphological, biological as well as some molecular research, with no intent to discuss here a rather complicated publishing history regarding various concepts of the genera of Nepticulidae. An example of this complicated history was provided in the recently published paper “First record of the genus *Etainia* with four species new to Korea” by Shin *et al.* (2022): “The genus *Etainia* Beirne, 1945 (= *Obrussa* Braun, 1915, preoccupied), a small taxon of pygmy moths, has been described by B. P. Beirne by drawing on the European *Lyonetia sericopeza* Zeller possessing two large apodemes in the male genitalia (Beirne, 1945). Because of the striking morphological autapomorphies as well as the unique biology of the species (see Puplesis, 1994: fig. 40; Puplesis & Diškus, 1996), the genus was usually accepted and treated as a good genus (Braun, 1915; Wilkinson & Scoble, 1979; Scoble, 1983; Puplesis & Ivinskis, 1985; Puplesis, 1994; Puplesis & Diškus, 1996, 1997, 2003; Sinev, 2008; Navickaite *et al.*, 2011). Nevertheless, some researchers, particularly E. J. van Nieukerken, opposed and treated *Etainia* as a subgenus of *Ectoedemia* Busck (Johansson *et al.*, 1990; Nieukerken & Laštůvka, 2002; Hirano, 2013). Recently, on the basis of molecular phylogeny, the genus status was finally recognized (Nieukerken *et al.*, 2016a); the same applies for the case of *Glaucolepis* Braun.

In the Catalogue by van Nieukerken *et al.* (2016a), the use of the subgenus category was fully abandoned, which is practical and makes taxonomy more simple. Therefore, we partially accepted it for the convenience of potential users. We do not longer include a subgenus name in the full name of a species for its “trivial usage” but still provide subgeneric categories in the generic checklist below. The idea to abandon subgenera in Nepticulidae should be supported, but to do that by simple rising of almost every former subgenera to full genus (van Nieukerken *et al.*, 2016a) appears to be rather discussable.

Family **Nepticulidae** Stainton, 1854

Genus ***Simplimorpha*** Scoble, 1983

Subgenus ***Simplimorpha*** Scoble, 1983

Simplimorpha Scoble, 1983: 15.

Type species: *Stigmella lanceifoliella* Vári, 1955: 331–332.

Note. For the new, Gondwanan, concept of the genus, see Stonis *et al.*, 2018b: 490.

Subgenus ***Roscidotoga*** Hoare, 2000 (downgraded to a subgenus by Stonis *et al.*, 2018b)

Roscidotoga Hoare, 2000: 293–294.

Type species: *Roscidotoga callicomae* Hoare, 2000: 295–296.



Subgenus *Myrtinepticula* Stonis & Diškus, 2018

Myrtinepticula Stonis & Diškus, in Stonis *et al.*, 2018b: 158–159.

Type species: *Simplimorpha* (*Myrtinepticula*) *cercaria* Diškus & Stonis, in Stonis *et al.*, 2018b: 159–163.

Note. For common, trivial, use, for such species like *Simplimorpha* (*Myrtinepticula*) *cercaria* Diškus & Stonis, we prefer to provide *Simplimorpha cercaria* Diškus & Stonis (with “*Myrtinepticula*” omitted).

Genus *Pectinivalva* Scoble, 1983

Subgenus *Pectinivalva* Scoble, 1983

Pectinivalva Scoble, 1983: 12–13.

Type species: *Pectinivalva commoni* Scoble, 1983: 13.

Subgenus *Casanovula* Hoare, 2013

Casanovula Hoare in Hoare & van Nieuwerkerken, 2013: 24–26.

Type species: *Pectinivalva* (*Casanovula*) *brevipalpa* Hoare, in Hoare & van Nieuwerkerken, 2013: 27–29.

Note. To abandon the subgenus rank, *Casanovula* Hoare and *Menurella* Hoare were raised to the genus rank (van Nieuwerkerken *et al.*, 2016a). However, these genera have not been recognized and accepted by us; for the new concept of *Pectinivalva* Scoble (*sensu lato*), see Stonis *et al.*, 2018b: 175–177, figs 130–159.

Subgenus *Menurella* Hoare, 2013

Menurella Hoare in Hoare & van Nieuwerkerken, 2013: 35–37.

Type species: *Pectinivalva* (*Menurella*) *scotodes* Hoare, in Hoare & van Nieuwerkerken, 2013: 37–41.

Genus *Johanssoniella* Koçak, 1981

Johanssonia Borkowski, 1972: 702–705.

Type species: *Nepticula acetosae* Stainton, 1854: 303.

Johanssoniella Koçak, 1981: 99 (replacement name for *Johanssonia* Borkowski).

Type species: *Nepticula acetosae* Stainton, 1854: 303.

Note. For the new diagnostics of *Johanssoniella*, see the pictorial key by Stonis *et al.*, 2018a.

Genus *Brachinepticula* Stonis & Diškus, 2018

Brachinepticula Stonis & Diškus, in Stonis *et al.*, 2018a: 101–104.

Type species *Brachinepticula plurilobata* Diškus & Stonis, in Stonis *et al.*, 2018a: 106–111.

Genus *Enteucha* Meyrick, 1915

Enteucha Meyrick, 1915: 241.

Type species: *Enteucha cyanochlora* Meyrick, 1915: 241.

Artaversala Davis, 1978: 219, 221.

Type species: *Artaversala gilvafascia* Davis, 1978: 221–223.

Note. For the new concept of *Enteucha*, see the pictorial key by Stonis *et al.*, 2018a.

Genus *Manoneura* Davis, 1979

Manoneura Davis, 1979: 276. Replacement name for *Oligoneura* Davis.

Type species: *Oligoneura basidactyla* Davis, 1978: 218–219.

Oligoneura Davis, 1978: 217–218.

Type species: *Oligoneura basidactyla* Davis, 1978: 218–219.

Note. The generic status was restored by Stonis *et al.*, 2018a. *Manoneura*, a distinct, endemic Neotropical genus with striking autapomorphic characters, was twice incorrectly synonymised with *Enteucha* by van Nieuwerkerken (1986) and van Nieuwerkerken *et al.*, 2016a). For an updated concept of the restored *Manoneura*, see the pictorial key by Stonis *et al.*, 2018a.

Genus *Varius* Scoble, 1983

Varius Scoble, 1983: 14.

Type species: *Stigmella ochnicola* Vári, 1955: 336–337.

Genus *Areticulata* Scoble, 1983

Areticulata Scoble, 1983: 40–41.

Type species: *Areticulata leucosideae* Scoble, 1983: 40–41.

Genus *Ozadelpha* van Nieuwerkerken, 2016

Ozadelpha van Nieuwerkerken, in van Nieuwerkerken *et al.*, 2016b: 26–28.

Type species: *Ozadelpha conostegiae* van Nieuwerkerken & Nishida, in van Nieuwerkerken *et al.*, 2016b: 28–35.

Genus *Stigmella* Schrank, 1802

Stigmella Schrank, 1802: 169.

Type species: *Phalaena (Tinea) anomalella* Goeze, 1783: 168.

Nepticula Heyden, 1843: 208.

Type species: *Tinea aurella* Fabricius, 1775: 666.

Dysnepticula Börner, 1925: 370.

Type species: *Phalaena (Tinea) anomalella* Goeze, 1783: 168.

Astigmella Puplesis, 1984: 111 (*syn.* by van Nieuwerkerken, 1986: 7; Note: the latter synonymisation unjustified and possibly unnecessary).

Type species: *Astigmella dissona* Puplesis, 1984: 112.

Genus *Bohemannia* Stainton, 1859

Bohemannia Stainton, 1859: 439.

Type species: *Nepticula quadrimaculella* Boheman, 1853: 67.

Scoliaula Meyrick, 1895: 727–728. Unnecessary replacement name for *Bohemannia* Stainton.

Genus *Ectoedemia* Busck, 1907

Subgenus *Ectoedemia* Busck, 1907

Ectoedemia Busck, 1907: 97–98.

Type species: *Ectoedemia populella* Busck, 1907: 98–99.

Dectirina Beirne, 1945: 204.

Type species: *Tinea subbimaculella* Haworth, 1828: 583.

Note. In the Catalogue by van Nieuwerkerken *et al.* (2016a), the use of the subgenus category was fully abandoned, which is practical. We accepted only partially. We do not longer include a subgenus name in the full name of a species for its “trivial usage” but list subgeneric categories in the checklist.

Subgenus *Zimmermannia* Hering, 1940

Zimmermannia Hering, 1940: 266.

Type species: *Ectoedemia liebwerdella* Zimmermann, 1940: 265.

Note. Recently, *Zimmermannia* was raised to the genus rank (van Nieuwerkerken *et al.*, 2016a). However, here, we downgraded *Zimmermannia* to the subgenus because of the presence of identical carinae and fully reduced uncus in both taxa, *Zimmermannia* and *Ectoedemia* (*sensu stricto*).

Genus *Hesperolyra* van Nieuwerkerken, 2016

Hesperolyra van Nieuwerkerken, in van Nieuwerkerken *et al.*, 2016b: 44–48.

Type species: *Fomorina diskusi* Puplesis & Robinson, 2000: 43.



Genus *Fomoria* Beirne, 1945

Fomoria Beirne, 1945: 208–209.

Type species: *Nepticula weaveri* Stainton, 1855: 49.

Laqueus Scoble, 1983: 20.

Type species: *Nepticula grandinosa* Meyrick, 1911: 236.

Muhabbetana Koçak & Kemal, 2007: 5. Replacement name for *Laqueus* Scoble, 1983.

Note. To abandon the subgenus rank, *Muhabbetana* Koçak & Kemal (= *Laques* Scoble) was raised to the genus rank (van Nieuwerkerken *et al.*, 2016a). However, here, we do not recognize the new status of *Muhabbetana* because the morphological characters, as well as the species geographical ranges of the so called *Muhabbetana* and *Fomoria*, do not indicate two separate taxa of the genus rank. Even subgenera within *Fomoria* would be impracticable and would cause difficulties for diagnostics.

Genus *Acalyptis* Meyrick, 1921

Acalyptis Meyrick, 1921: 410.

Type species: *Acalyptis psammophricta* Meyrick, 1921: 410.

Microcalyptis Braun, 1925: 224 (*syn.* by van Nieuwerkerken, 1986: 14).

Type species: *Microcalyptis scirpi* Braun, 1925: 225.

Weberia Müller-Rutz, 1934: 122; homonym (*syn.* by van Nieuwerkerken, 1986: 14).

Type species: *Weberia platani* Müller-Rutz, 1934a: 122–123.

Niepeltia Strand, 1934: 241. Replacement name for *Weberia* Müller-Rutz (*syn.* by van Nieuwerkerken, 1986: 14).

Weberina Müller-Rutz, 1934b: 148. Replacement name for *Weberia* Müller-Rutz. (*syn.* by van Nieuwerkerken, 1986: 14).

Genus *Parafomoria* van Nieuwerkerken, 1983

Parafomoria van Nieuwerkerken, 1983: 454–458.

Type species: *Nepticula helianthemella* Herrich-Schäffer, 1860: 60.

Parafomoria Borkowski, 1975: 498 (unavailable name).

Genus *Trifurcula* Zeller, 1848

Trifurcula Zeller, 1848: 330–331.

Type species: *Oecophora pallidella* Duponchel, 1843: 339.

Levarchama Beirne, 1945: 206.

Type species: *Nepticula cryptella* Stainton, 1856: 41 (*syn.* by Johansson, 1971).

Genus *Glaucolepis* Braun, 1917

Glaucolepis Braun, 1917: 201.

Type species: *Nepticula saccharella* Braun, 1912: 97–100.

Fedalmia Beirne, 1945: 207 (*syn.* by Puplesis, 1985).

Type species: *Nepticula headleyella* Stainton, 1854: 298.

Sinopticala Yang, 1989: 79, 81 (*syn.* by van Nieuwerkerken & Puplesis, 1991).

Type species: *Sinopticala sinica* Yang, 1989: 80, 82.

Neotrifurcula van Nieuwerkerken, in van Nieuwerkerken *et al.*, 2016b: 36, 37; *syn.* by Stonis *et al.*, 2017: 490.

Type species: *Neotrifurcula gielisorum* van Nieuwerkerken, in van Nieuwerkerken *et al.*, 2016b: 38–39.

Note. For the new concept of the genus with the synonymisation of *Neotrifurcula*, see Stonis *et al.*, 2017: 490

Genus *Etainia* Beirne, 1945

Etainia Beirne, 1945: 208.

Type species: *Lyonetia sericopeza* Zeller, 1839: 215.

Obrussa Braun, 1915: 196–197 (preoccupied; *syn.* with *Etainia* Beirne by van Nieuwerkerken, 1986: 16).

Type species: *Nepticula ochrefasciella* Chambers, 1873: 128.

References

- Beirne, B.P. (1945) The male genitalia of the British Stigmellidae (Nepticulidae) (Lep.). *Proceedings of the Royal Irish Academy, (B)*, 50 (9), 191–218. <https://www.jstor.org/stable/20490833>
- Boheman, C.H. (1853) Entomologiska Anteckningar under en resa i Södra Sverige 1851. *Kungliga Svenska Vetenskaps-Akademiens Handlingar*, 1852, 55–210. <https://doi.org/10.5962/bhl.title.35818>
- Borkowski, A. (1972) Studien an Nepticuliden (Lepidoptera). Teil IV. Bemerkungen zur Nomenklatur und Systematik der Familie Nepticulidae. *Polskie Pismo Entomologiczne*, 42 (3), 689–709.
- Borkowski, A. (1975) Studien an Nepticuliden (Lepidoptera). Teil VI. Die Verbreitung der Nepticuliden in Polen. *Polskie Pismo Entomologiczne*, 45, 487–535.
- Börner, C. (1925) 22 Ordn. Lepidoptera, Schmetterlinge. In: Brohmer, P. (Ed.), *Fauna von Deutschland, Ein Bestimmungsbuch unserer heimischen Tierwelt*. 3. Quelle & Meyer, Leipzig, pp. 358–387.
- Braun, A.F. (1912) Notes on North American species of *Nepticula*, with descriptions of new species (Lepidoptera). *The Journal of the Cincinnati Society of Natural History*, 21 (3), 84–101. <http://biodiversitylibrary.org/page/12268566>
- Braun, A.F. (1915) New genera and species of Tineina. *Canadian Entomologist*, 47 (6), 188–197. doi: 10.4039/ent47188-6
- Braun, A.F. (1917) Nepticulidae of North America. *Transactions of the American Entomological Society*, 43 (2), 155–209, pls. 5–8. <http://biostor.org/reference/98155>
- Braun, A.F. (1925) Microlepidoptera of Northern Utah. *Transactions of the American Entomological Society*, 51 (3), 183–226.
- Busck, A. (1907) New American Tineina. *Proceedings of the Entomological Society of Washington*, 8 (3/4), 86–99. <http://biodiversitylibrary.org/page/2345065>
- Chambers, V.T. (1873) Micro-lepidoptera. *The Canadian Entomologist*, 5 (7), 124–128. <https://doi.org/10.4039/Ent5124-7>
- Davis, D.R. (1978) New leaf-mining moths of the family Nepticulidae from Florida. *Florida Entomologist*, 61 (4), 209–224. <https://www.jstor.org/stable/3494210?seq=1>
- Davis, D.R. (1979) *Manoneura*, a new name to replace the generic homonym *Oligoneura* Davis (Lepidoptera: Nepticulidae). *The Florida Entomologist*, 62 (3), 276. <https://doi.org/10.2307/3494067>
- Duponchel, P.A.J. (1843) Nocturnes, Supplément 4. In: Godart, J.-B. (Ed.), *Histoire naturelle des Lépidoptères ou papillons de France*. Méquignon-Marvis, Paris, pp. 305–512. <http://www.biodiversitylibrary.org/item/39620>
- Fabricius, J.C. (1775) *Systema entomologiae, sistens Insectorum Classes, Ordines, Genera, Species*. Kortii, Flensburgi et Lipsiae, 832 pp. <http://www.biodiversitylibrary.org/item/82400>
- Goeze, J.A.E. (1783) *Entomologische Beyträge zu des Ritter Linné zwölften Ausgabe des Natursystems*, 3 (4). Weidmanns Erben und Reich, Leipzig, 178 pp. <http://biodiversitylibrary.org/page/32010985>
- Haworth, A.H. (1828) *Lepidoptera Britannica; sistens digestionem novam Lepidopterorum quae in Magna Britannia reperiuntur*, 4. J. Murray, London, pp. 513–609.
- Heyden, von C. (1843) Vierte Sitzung, am 23. September. *Amtlicher Bericht über die zwanzigste Versammlung der Gesellschaft deutscher Naturforscher und Aerzte zu Mainz*, 20, 208–209. <https://www.biodiversitylibrary.org/page/10935453>
- Herrich-Schäffer, G.A.W. (1860) Revision der Europäischen Schmetterlingfauna. *Correspondenzblatt für Sammler von Insecten, insbesondere von Schmetterlingen*, 1 (8), 59–61.
- Hirano, N. (2013) Nepticulidae. In: Hirowatari, T., Nasu, Y., Sakamaki, Y. & Kishida, Y. (Eds.), *Nihon-san garui hyojun zukan (The standard of moths in Japan)*. Gakken Kyoiku Shuppan, Tokyo, pp. 80–96, pls. 3–03–3–06. [In Japanese]
- Hoare, R.J.B. (2000) A new genus of primitive Nepticulidae (Lepidoptera) from eastern Australia, with a revised diagnosis of nepticulid subfamilies. *Zoological Journal of the Linnean Society*, 128 (3), 289–317. <https://doi.org/10.1006/zjls.1998.0189>
- Hoare, R.J.B. & Nieuwerkerken, E.J. van (2013) Phylogeny and host-plant relationships of the Australian Myrtaceae leafmining moth genus *Pectinivalva* (Lepidoptera, Nepticulidae), with new subgenera and species. *Zookeys*, 278, 1–64. <https://doi.org/10.3897/zookeys.278.4743>
- Johansson, R. (1971) Notes on Nepticulidae (Lepidoptera) I. A revision of the *Nepticula ruficapitella* group.

- Entomologica Scandinavica*, 2 (4), 241–262. <https://doi.org/10.1163/187631271X00257>
- Johansson, R., Nielsen, E.S., Nieuwerkerken, E.J. van & Gustafsson, B. (1990) The Nepticulidae and Opostegidae (Lepidoptera) of north west Europe. *Fauna Entomologica Scandinavica*, 23 (1/2), 1–739.
- Koçak, A.Ö. (1981) On the nomenclature of some genera of Lepidoptera. *Priamus*, 1 (3), 97–109.
- Koçak, A.Ö. & Kemal, M. (2007) Replacement names for some Microlepidoptera (Lepidoptera). *Miscellaneous Papers Centre for Entomological Studies*, 105, 5–7. <https://archive.org/stream/CentreForEntomologicalStudiesAnkaraMiscellaneousPapers105>
- Meyrick, E. (1895) *A handbook of British Lepidoptera*. Macmillan & Co, London, vi+843 pp. <https://doi.org/10.5962/bhl.title.8019>
- Meyrick, E. (1911) Descriptions of Transvaal Micro-Lepidoptera. *Annals of the Transvaal Museum*, 2, 218–240. <http://biodiversitylibrary.org/page/50495141>
- Meyrick, E. (1915) Descriptions of South American Micro-Lepidoptera. *The Transactions of the Entomological Society of London*, 48, 201–256. <https://doi.org/10.1111/j.1365-2311.1915.tb02527.x>
- Meyrick, E. (1921). *Exotic Microlepidoptera*, 2 (13), 385–416.
- Müller-Rutz, J. (1934a) Ueber Microlepidopteren. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft*, 16 (2), 118–128, pl. 111. <http://dx.doi.org/10.5169/seals-400814>
- Müller-Rutz, J. (1934b) Berichtigung. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft*, 16 (3), 148.
- Navickaitė, A., Diškus, A., Stonis, J.R. & Dobrynina, V. (2011) Taxonomic catalogue of the world Nepticuloidea and Tischerioidea (Lepidoptera) described by members of the Biosystematics Research Group (Lithuania) up to 2009. *Acta Zoologica Lituanica*, 21 (2), 113–132. <https://doi.org/10.2478/v10043-011-0014-2>
- Nieuwerkerken, E.J. van (1983) The Cistaceae-feeding Nepticulidae (Lepidoptera) of the western Palaearctic region. *Systematic Entomology*, 8, 453–478. <https://doi.org/10.1111/j.1365-3113.1983.tb00495.x>
- Nieuwerkerken, E.J. van (1986) Systematics and phylogeny of Holarctic genera of Nepticulidae (Lepidoptera, Heteroneura: Monotrysia). *Zoologische Verhandlungen*, 236 (1), 1–93. <https://repository.naturalis.nl/pub/317599>
- Nieuwerkerken, E.J. van, Doorenweerd, C., Hoare, R.J.B. & Davis, D.R. (2016a) Revised classification and catalogue of global Nepticulidae and Opostegidae (Lepidoptera: Nepticuloidea). *ZooKeys*, 628, 65–246. <https://doi.org/10.3897/zookeys.628.9799>
- Nieuwerkerken, E.J. van, Doorenweerd, C., Nishida, K. & Snyers, C. (2016b) New taxa, including three new genera show uniqueness of Neotropical Nepticulidae (Lepidoptera). *ZooKeys*, 628, 1–63. <https://doi.org/10.3897/zookeys.628.9805>
- Nieuwerkerken, E.J. van & Laštůvka, A. (2002) *Ectoedemia (Etainia) obtusa* (Puplesis & Diškus, 1996) new for Europe: taxonomy, distribution and biology (Nepticulidae). *Nota lepidopterologica*, 25 (2/3), 87–95. <http://biostor.org/reference/143089>
- Nieuwerkerken, E.J. van & Puplesis, R. (1991) Taxonomy and distribution of the *Trifurcula (Glaucolepis) raikhonae* group (Lepidoptera: Nepticulidae). *Tijdschrift voor Entomologie*, 134, 201–210. <http://biostor.org/reference/49992>
- Puplesis, R. (1984) New species of nepticulids (Lepidoptera, Nepticulidae) from southern Primorye. *Entomologicheskoe Obozrenie*, 63 (1), 111–125. [in Russian]
- Puplesis, R.K. (1985) *Moli-malyutki (Lepidoptera, Nepticulidae) Pribaltiki i Dal'nego Vostoka*. Avtoreferat. Ordena Trudovogo Krasnogo Znameni Zoologicheskii Institut AN SSSR, Leningrad, 23 pp. [in Russian]
- Puplesis, R. (1994) *The Nepticulidae of Eastern Europe and Asia: western, central and eastern parts*. Backhuys Publishers, Leiden, 291 pp., 840 figs.
- Puplesis, R. & Diškus, A. (1996) First record of the genus *Etainia* Beirne from Central Asia with descriptions of two new species and some provisional notes on the world fauna (Lepidoptera: Nepticulidae). *Phegea*, 24 (1), 41–48. http://www.phegea.org/Phegea/1996/Phegea24-1_41-48.pdf
- Puplesis, R. & Diškus, A. (1997) Sem. Nepticulidae – neptikulidy. In: Ler, P.A. (Ed.), *Key to the insects of Russian Far East. Trichoptera and Lepidoptera*, 5 (1). Dal' nauka Publishers, Vladivostok, pp. 302–319. [in Russian]
- Puplesis, R. & Diškus, A. (2003) *The Nepticuloidea & Tischerioidea (Lepidoptera) — a global review, with strategic regional revisions*. Lututė Publishers, Kaunas, 512 pp.

- Puplesis, R. & Ivinskis, P.P. (1985) Review of nepticulid moths fauna of the *Obrussa* Braun genus in the USSR and a description of 4 new species—*Obrussa capesella* sp. n., *O. tigrinella* sp. n., *O. peterseni* sp. n., *O. sabina* sp. n. *Lietuvos TSR Mokslų Akademijos darbai (C)*, 4 (92), 36–46. [in Russian]
- Puplesis, R. & Robinson, G.S. (2000) A review of the Central and South American Nepticulidae (Lepidoptera) with special reference to Belize. *Bulletin of the Natural History Museum, London, Entomology*, 69 (1), 3–114.
- Schrank, F. von Paula (1802) Durchgedachte Geschichte der in Baiern einheimischen und zahmen Thiere. *Fauna Boica*, 2 (2). J.W. Krüll, Ingolstadt, 412 pp. <https://doi.org/10.5962/bhl.title.44923>
- Scoble, M.J. (1983) A revised cladistic classification of the Nepticulidae (Lepidoptera) with descriptions of new taxa mainly from South Africa. *Transvaal Museum Monograph*, 2 (1), 1–105. https://hdl.handle.net/10520/AJA090799001_84
- Shin, Y.-M., Byun, B.-K. & Lee, B.-W. (2022) First record of the genus *Etainia* (Lepidoptera: Nepticulidae) with four species new to Korea. *Journal of Asia-Pacific Biodiversity*, 15 (1), 59–69. <https://doi.org/10.1016/j.japb.2021.11.001>
- Sinev, S.Yu. (2008) Tischeriidae. In: Sinev, Yu.S. (Ed.), *Catalogue of the Lepidoptera of Russia*. KMK Scientific Press, St. Petersburg, Moscow, pp. 27.
- Stainton, H.T. (1854) *Insecta Britannica. Lepidoptera: Tineina*. Lovell Reeve, London, i–viii + 313 pp. <https://doi.org/10.5962/bhl.title.9558>
- Stainton, H.T. (1855) Lepidoptera. The new British species in 1854. *Entomologist's Annual*, 1855, 62–72. <http://biodiversitylibrary.org/page/10427580>
- Stainton, H.T. (1856) Lepidoptera. New British species in 1855. *Entomologist's Annual*, 1856, 26–45. <http://biodiversitylibrary.org/page/10427732>
- Stainton, H.T. (1859) *A Manual of British butterflies and moths*, 2. Cooke & Son, London, xi + 480 pp. <https://books.google.nl/books?id=xv0GAQAIAAJ&hl=nl&pg=PR1#v=onepage&q&f=false>
- Stonis, J.R., Diškus, A., Remeikis, A. & Solis, M.A. (2018a) The American *Brachinepticula* gen. nov. and *Manoneura* Davis (Nepticulidae): a new generic concept based on a reinforced cathrema in the phallus. *Biologija*, 64 (2), 99–128. <https://doi.org/10.6001/biologija.v64i2.3735>
- Stonis, J.R., Diškus, A., Remeikis, A. & Solis, M.A. (2018b) A Gondwanan concept of *Simplimorpha* Scoble (*sensu lato*): a step toward clarity in the generic diagnostics of global Nepticulidae (Lepidoptera). *Zootaxa*, 4521 (2), 151–182. <https://doi.org/10.11646/zootaxa.4521.2.1>
- Stonis, J.R., Remeikis, A., Diškus, A. & Solis, M.A. (2017) The American species of the genus *Glaucolepis* Braun, 1917 (*Neotrifurcula* van Nieukerken, syn. nov.) (Lepidoptera: Nepticulidae). *Zootaxa*, 4338 (3), 489–506. <https://doi.org/10.11646/zootaxa.4338.3.5>
- Strand, E. (1934) *Niepeltia* novum genus Lepidopterorum. *Internationale Entomologische Zeitschrift*, 28 (19), 241.
- Vári, L. (1955) South African Lepidoptera 1. Descriptions of new leafmining Tineina. *Annals of the Transvaal Museum*, 22 (3), 331–351.
- Wilkinson, C. & Scoble, M.J. (1979) The Nepticulidae (Lepidoptera) of Canada. *Memoirs of the Entomological Society of Canada*, 111, 1–129, pls. 10. <https://doi.org/10.4039/entm111107fv>
- Yang, C.-K. (1989) *Sinoptacula sinica* (Lepidoptera: Nepticulidae), a new genus and species from China. *Entomotaxonomia*, 11 (1/2), 79–82.
- Zeller, P.C. (1839) Versuch einer naturgemässen Eintheilung der Schaben. *Isis von Oken*, 32 (3), 167–224. <https://biostor.org/reference/99970>
- Zeller, P.C. (1848) Die Gattungen der mit Augendeckeln versehenen blattminirenden Schaben. *Linnaea Entomologica*, 3, 248–344, pl. 242. <http://biodiversitylibrary.org/page/44017229>
- Zimmermann, F. (1940) Eine neue Nepticulide aus Deutschland (Lep.), *Ectoedemia liebwerdella* spec. nov. (Lep.). *Mitteilungen aus dem Zoologischen Museum in Berlin*, 24 (2), 264–265.