

PD Dr. Torsten Wappler – Publications

A – Articles in peer-reviewed journals (HQP in bold)

in press

- A114. McCoy, V.E., Wappler, T., Labandeira, C.C. (in press): Exceptional fossilization of ecological interactions: Plant defenses during the four major expansions of arthropod herbivory in the fossil record. *in* S. Gee C.T., M., McCoy, V.E., editor. *Fossilization: The Material Nature of Ancient Plants and Animals in the Paleontological Record*. Johns Hopkins University Press, Baltimore.
- A113. Tierney, A., I. Deregnaucourt, J. M. Anderson, P. Tierney, T. Wappler, and O. Béthoux (in press): The *Triassic Mesophlebiidae*, a little closer to the crown of the Odonata (Insecta) than other ‘triassolestids’. *Alcheringa: An Australasian Journal of Palaeontology*, 1-7.
- A112. Deregnaucourt, I., Wappler, T., Anderson, J.M., Béthoux, O. (in press): The wing venation of the Protomyrmeleontidae (Insecta: Odonatoptera) reconsidered thanks to a new specimen from Molteno (Triassic; South Africa).– *Hist. Biol.*, 1-7.
- A111. Legalov, A.A., Wappler, T. (in press): The oldest record of straight-snouted weevils (Coleoptera: Curculionoidea: Brentidae: Brentinae) from the Eocene of Germany.– *Hist. Biol.*, 1-9.
- A110. Waichert, C., Rodriguez, J., Rapoza, M., Wappler, T. (in press): The oldest species of Pompilidae to date, a new fossil spider wasp (Hymenoptera: Pompilidae).– *Hist. Biol.*, 1-4.

2020

- A109. Vasilikopoulos, A., B. Misof, K. Meusemann, D. Lieberz, T. Flouri, R. G. Beutel, O. Niehuis, T. Wappler, J. Rust, R. S. Peters, A. Donath, L. Podsiadlowski, C. Mayer, D. Bartel, A. Bohm, S. Liu, P. Kapli, C. Greve, J. E. Jepson, X. Liu, X. Zhou, H. Aspöck, and U. Aspöck. 2020. An integrative phylogenomic approach to elucidate the evolutionary history and divergence times of Neuropterida (Insecta: Holometabola). *BMC Evolutionary Biology*, 20: 64.
- A108. Brockhaus, T., O. Müller, A. Nel, M. Poschmann, and T. Wappler (2020): Fossil dragonflies (Odonata: Anisoptera) from the late Oligocene Fossil-Lagerstätte Enspel (Rhineland-Palatinate, SW-Germany).– *Palaeontology*, 3: 284-300.
- A107. Nel, A., Wang, B., Engel, M.S., Huang, J., Jia, L.-B., Su, T., Wappler, T. (2020): Leaf-mimicking katydids from the Middle Miocene of Yunnan, southwestern China (Orthoptera: Tettigoniidae).– *PalZ*, 94: 255-261.
- A106. Néraudeau, D., Vullo, R., Bénédicte, P., Breton, G., Dépré, É., Gaspard, D., Girard, V., Le Couls, M., Moreau, J.-D., Nel, A., Perrichot, V., Solórzano-Kraemer, M.M., Wappler, T. (2020): The paralic Albian–Cenomanian Puy-Puy Lagerstätte (Aquitaine Basin, France): An overview and new data.– *Cretaceous Res.*, 111: 104124.

2019

- A105. Evangelista, D.A., Wipfler, B., Béthoux, O., Donath, A., Fujita, M., Kohli, M.K., Legendre, F., Liu, S., Machida, R., Misof, B., Peters, R.S., Podsiadlowski, L., Rust, J., Schuette, K., Tollenaar, W., Ware, J.L., Wappler, T., Zhou, X., Meusemann, K., Simon, S. (2019): An integrative phylogenomic approach illuminates the evolutionary history of cockroaches and termites (Blattodea).– *Proceedings of the Royal Society B: Biological Sciences*, 286: 20182076.
- A104. Filho, E.B.d.S., Adami-Rodrigues, K., Lima, F.J.d., Bantim, R.A.M., Wappler, T., Saraiva, A.Á.F. (2019): Evidence of plant–insect interaction in the Early Cretaceous Flora from the Crato Formation, Araripe Basin, Northeast Brazil.– *Hist. Biol.*, 31: 926–937.

- A103. Kunzmann, L., Moraweck, K., Müller, C., Schröder, I., Wappler, T., Grein, M., Roth-Nebelsick, A. (2019): A Paleogene leaf flora (Profen, Sachsen-Anhalt, Germany) and its potentials for palaeoecological and palaeoclimate reconstructions.– *Flora*, 254: 71–87.
- A102. Micklich, N., Baranov, V., Wappler, T. (2019): New information on the feeding habits of the percomorph *Rhenanoperca minuta*, together with a short look at other fish species from the Eocene Messel Formation of Germany.– *Bull. Geosci.*, 94: 315–336.
- A101. Selden, P.A., Wappler, T. (2019): A new spider (Arachnida: Araneae) from the Middle Eocene Messel Maar, Germany.– *Palaeoentomology*, 2: 596–601.
- A100. Singh, H., Prasad, M., Wappler, T. (2019): An early Eocene floral assemblage from the Cambay Shale (Tarkeshwar Lignite Mine) Formation, Gujarat: Palaeoclimatic and phytogeographical implications.– *J. Palaeontol. Soc. India*, 64: 184–226.
- A99. van Eldijk, T., Wappler, T. (2019): The insects of the Winterswijk Muschelkalk.– *Staringia*, 16: 195–197.
- 2018**
- A98. Adroit, B., Malekhosseini, M., Girard, V., Abedi, M., Rajaei, H., Terral, J.-F., Wappler, T. (2018): Changes on herbivory pattern on the Persian ironwood (*Parrotia persica*) over the last 3 million years.– *Review of Palaeobotany and Palynology*, 258: 22–35. (CI 1.66)
- A97. Engel, M.S., Wang, B., Alqarni, A.S., Jia, L.-B., Su, T., Zhou, Z.-k., Wappler, T. (2018): A primitive honey bee from the Middle Miocene deposits of southeastern Yunnan, China (Hymenoptera: Apidae).– *ZooKeys*, 775: 117–125. (CI 1.28)
- A96. Robledo, J., Pinheiro, E., Gnaedinger, S., Wappler, T. (2018): Plant–insect interactions on dicots and ferns from the Miocene of Argentina.– *Palaios*, 33 (1): 338–352. (CI 1.58)
- A95. Adroit, B., Girard, V., Kunzmann, L., Terral, J.-F., Wappler, T. (2018): Plant–insect interactions patterns in three European paleoforests of the late-Neogene—early-Quaternary.– *PeerJ*, 6: e5075. (CI 2.2)
- A94. Katzke, J., Barden, P., Dehon, M., Michez, D., Wappler, T. (2018): Giant ants and their shape: revealing relationships in the genus *Titanomyrma* with geometric morphometrics.– *PeerJ*, 6: e4242. (CI 2.2)
- A93. van Eldijk, T.J.B., Wappler, T., Strother, P.K., van der Weijst, C.M.H., Rajaei, H., Visscher, H., van de Schootbrugge, B. (2018): A Triassic–Jurassic window into the evolution of Lepidoptera.– *Science Advances*, 4: e1701568.
- A92. Müller, C., Wappler, T., Kunzmann, L. (2018): Insect herbivory patterns in late Eocene coastal lowland riparian associations from central Germany.– *Palaeogeography, Palaeoclimatology, Palaeoecology*, 491: 170–184. (CI 2.58)
- 2017**
- A91. Kustatscher, E., van Konijnenburg-van Cittert, J.H.A., Looy, C.V., Labandeira, C.C., Wappler, T., Butzmann, R., Fischer, T.C., Krings, M., Kerp, H., Visscher, H. (2017): The Lopingian (late Permian) flora from the Bletterbach Gorge in the Dolomites, Northern Italy: a review.– *GeoAlp*, 14: 39–61.
- A90. Bernardi, M., Petti, F.M., Kustatscher, E., Franz, M., Hartkopf-Fröder, C., Labandeira, C.C., Wappler, T., van Konijnenburg-van Cittert, J.H.A., Peacock, B.R., Angielczyk, K.D. (2017): Late Permian (Lopingian) terrestrial ecosystems: A global comparison with new data from the low latitude Bletterbach Biota.– *Earth-Science Reviews*, 175: 18–43. (CI 7.05)
- A89. Kunzmann, L., Müller, C., Moraweck, C., Bräutigam, D., Wappler, T., Nel, A. (2017): First record of insects in lignite-bearing formations (upper Eocene) of the central German Leipzig Embayment.– *PalZ*, 91(3): 315–326. (CI 1.05)

- A88. Deregnaucourt, I., Wappler, T., Anderson, J.M., Béthoux, O. (2017): A new triadotypid insect from the Late Triassic of South Africa.– *Acta Palaeontologica Polonica*, 62(3): 613-618. (CI 1.00)
- A87. Gunkel, S., Rust, J., Wappler, T., Mayer, C., Niehuis, O., Misof, B. (2017): A posteriori evaluation of molecular divergence dates using empirical estimates of time-heterogeneous fossilization rates.– *bioRxiv*, 1–20.
- A86. van Eldijk, T., Goris, G., Haarhuis, A., Lankamp, J., Winkelhorst, H., Reumer, J., Nel, A., Wappler, T. (2017): New fossil insects from the Anisian (Lower to Middle Muschelkalk) from the Central European Basin (Germany and The Netherlands).– *PalZ*, 91(2): 185–194. (CI 1.05)
- A85. Peters, R.S., Krogmann, L., Mayer, C., Donath, A., Gunkel, S., Meusemann, K., Kozlov, A., Podsiadlowski, L., Petersen, M., Lanfear, R., Diez, P.A., Heraty, J., Kjer, K.M., Klopstein, S., Meier, R., Polidori, C., Schmitt, T., Liu, S., Zhou, X., Wappler, T., Rust, J., Misof, B., Niehuis, O. (2017): Evolutionary History of the Hymenoptera.– *Current Biology*, 27(7): 1013-1018. (CI 9.57)
- A84. Skartveit, J., Grímsson, F., Wappler, T. (2017): Bibionidae (Diptera) from the late Miocene of Hrótagil (Mókollsdalur), Iceland.– *PalZ*, 91(2): 195-205. (CI 1.05)
- A83. Möller, A.L., Kaulfuss, U., Lee, D.E., Wappler, T. (2017): High richness of insect herbivory from the early Miocene Hindon Maar crater, Otago, New Zealand.– *PeerJ*, 5: e2985. (CI 2.18)
- A82. Grímsson, F., Zetter, R., Labandeira, C.C., Engel, M.S., Wappler, T. (2017): Taxonomic description of in-situ bee pollen from the middle Eocene of Germany.– *Grana*, 57(1): 37-70. (CI 1.27)
- 2016**
- A81. Labandeira, C.C., Kustatscher, E., Wappler, T. (2016): Floral assemblages and patterns of insect herbivory during the Permian to Triassic of Northeastern Italy.– *PLoS ONE*, 11(11): e0165205. (CI 3.54)
- A80. Kolibáč, J., Adroit, B., Gröning, E., Brauckmann, C., Wappler, T. (2016): First record of the family Trogossitidae (Insecta, Coleoptera) in the Late Pliocene deposits of Willershausen (Germany).– *PalZ*, 90(4): 681-689. (CI 1.54)
- A79. Wang, B., Xia, F., Engel, M.S., Perrichot, V., Shi, G., Zhang, H., Chen, J., Jarzembowski, E.A., Wappler, T., Rust, J. (2016): Debris-carrying camouflage among diverse lineages of Cretaceous insects.– *Science Advances*, 2: e1501918.
- A78. Wappler, T., Grímsson, F. (2016): Before the ‘Big Chill’: Patterns of plant-insect associations from the Neogene of Iceland. *Global and Planetary Change*, 142: 73-86. (CI 2.77)
- A77. Rust, J., Wappler, T. (2016): Palaeontology: The Point of No Return in the Fossil Record of Eusociality.– *Current Biology*, 26(4): R159-R161. (CI 9.57)
- A76. Mähler, B., Wappler, T., Sanmugaraja, M., Menger, F., von Koenigswald, W. (2016): Upper Pleistocene blow flies (Diptera: Calliphoridae) trapped in fossilized crania of large mammals discovered from gravel pits in the Rhine rift valley from Hesse (Germany).– *Palaeontologia Electronica*, 19.2.13A: 1-12. (CI 2.08)
- A75. Beutel, R.G., Zhang, W.W., Wappler, T., Bai, M., Pohl, H. (2016): A miniaturized beetle larva in Cretaceous Burmese amber: reinterpretation of a fossil “strepsipteran triungulin”.– *Insect Systematics & Evolution*, 47: 83-91 (CI 1.99)
- 2015**
- A74. Wappler, T., Labandeira, C. C., Engel, M. S., Zetter, R., and Grímsson, F. (2015): Specialized and generalized pollen-collection strategies in an ancient bee lineage.– *Current Biology* 25(23): 3092-3098. (CI 9.57)

- A73. Béthoux, O., Kondratieff, B., Grímsson, F., Ólafsson, E., Wappler, T. (2015): Character state-based taxa erected to accommodate fossil and extant needle stoneflies (Leuctridae - Leuctrida tax.n.) and close relatives.- *Systematic Entomology*, 40: 322-341. (CI 2.78)
- A72. Gunkel, S., Wappler, T. (2015): Plant-insect interactions in the upper Oligocene of Enspel (Westerwald, Germany), including an extended mathematical framework for rarefaction.- *Palaeobiodiversity and Palaeoenvironments*, 95: 55-75. (CI 1.32)
- A71. Kjer, K.M., Ware, J.L., Rust, J., Wappler, T., Lanfear, R., Jermin, L.S., Zhou, X., Aspöck, H., Aspöck, U., Beutel, R.G., Blanke, A., Donath, A., Flouri, T., Frandsen, P.B., Kapli, P., Kawahara, A.Y., Letsch, H., Mayer, C., McKenna, D.D., Meusemann, K., Niehuis, O., Peters, R.S., Wiegmann, B.M., Yeates, D.K., von Reumont, B.M., Stamatakis, A., Misof, B. (2015): Response to Comment on “Phylogenomics resolves the timing and pattern of insect evolution”.- *Science*, 349: 487. (CI 33.61)
- A70. Knor, S., Kvaček, Z., Wappler, T., Prokop, J. (2015): Diversity, taphonomy and palaeoecology of plant-arthropod interactions in the lower Miocene (Burdigalian) in the Most Basin in north-western Bohemia (Czech Republic).- *Review of Palaeobotany and Palynology*, 219: 52-70. (CI 1.94)
- A69. Kotov, A.A., Wappler, T. (2015): Findings of *Daphnia* (*Ctenodaphnia*) Dybowski et Grochowski (Branchiopoda: Cladocera) in Cenozoic volcanogenic lakes in Germany, with discussion of their indicator value.- *Palaeontologia Electronica*, 18.2.42A: 1-9. (CI 2.08)
- A68. Marchetti, L., Forte, G., Bernardi, M., Wappler, T., Hartkopf-Fröder, C., Krainer, K., Kustatscher, E. (2015): Reconstruction of a Late Cisuralian (Early Permian) floodplain lake environment: Palaeontology and sedimentology of the Tregiovo Basin (Trentino-Alto Adige, Northern Italy).- *Palaeogeography, Palaeoclimatology, Palaeoecology*, 440: 180-200. (CI 2.34)
- A67. Su, T., Adams, J.M., Wappler, T., Huang, Y.-J., Jacques, F.M.B., Liu, Y.-S., Zhou, Z.-K. (2015): Resilience of plant-insect interactions in an oak lineage through Quaternary climate change.- *Paleobiology*, 41: 174-186. (CI 2.66)
- A66. Wang, B., Xia, F., Wappler, T., Simon, E., Zhang, H., Jarzembowski, E.A., Szwedlo, J. (2015): Brood care in a 100-million-year-old scale insect.- *eLife*, 4: e05447. (CI 9.32)
- A65. Wappler, T., Guilbert, E., Labandeira, C.C., Hörnschemeyer, T., Wedmann, S. (2015): Morphological and Behavioral Convergence in Extinct and Extant Bugs: The Systematics and Biology of a New Unusual Fossil Lace Bug from the Eocene.- *PLoS ONE*, 10: e0133330. (CI 3.23)
- A64. Wappler, T., Heiss, E., Wedmann, S. (2015): New flatbug (Hemiptera: Heteroptera: Aradidae) records from the Middle Eocene Messel Maar, Germany.- *Paläontologische Zeitschrift*, 89: 653-660. (CI 1.48)
- A63. Wappler, T., Kustatscher, E., Dellantonio, E. (2015): Plant-insect interactions from Middle Triassic (late Ladinian) of Monte Agnello (Dolomites, N-Italy)—initial pattern and response to abiotic environmental perturbations.- *PeerJ*, 3: e921. (CI 2.18)

2014

- A62. Misof, B., Liu, S., Meusemann, K., Peters, R.S., Donath, A., Mayer, C., Frandsen, P.B., Ware, J., Flouri, T., Beutel, R.G., Niehuis, O., Petersen, M., Izquierdo-Carrasco, F., Wappler, T., Rust, J., Aberer, A.J., Aspöck, U., Aspöck, H., Bartel, D., Blanke, A., Berger, S., Böhm, A., Buckley, T.R., Calcott, B., Chen, J., Friedrich, F., Fukui, M., Fujita, M., Greve, C., Grobe, P., Gu, S., Huang, Y., Jermin, L.S., Kawahara, A.Y., Krogmann, L., Kubiak, M., Lanfear, R., Letsch, H., Li, Y., Li, Z., Li, J., Lu, H., Machida, R., Mashimo, Y., Kapli, P., McKenna, D.D., Meng, G., Nakagaki, Y., Navarrete-Heredia, J.L., Ott, M., Ou, Y., Pass, G., Podsiadlowski, L., Pohl, H., von Reumont, B.M., Schütte, K., Sekiya, K., Shimizu, S., Slipinski, A., Stamatakis, A., Song, W., Su, X., Szucsich, N.U., Tan, M., Tan, X., Tang, M., Tang, J., Timelthaler, G., Tomizuka, S., Trautwein, M., Tong, X., Uchifune, T., Walz, M.G., Wiegmann, B.M., Wilbrandt, J., Wipfler, B., Wong, T.K.F., Wu, Q., Wu, G., Xie, Y., Yang, S., Yang, Q., Yeates, D.K., Yoshizawa, K., Zhang, Q., Zhang, R., Zhang, W., Zhang, Y., Zhao, J., Zhou, C.,

Zhou, L., Ziesmann, T., Zou, S., Li, Y., Xu, X., Zhang, Y., Yang, H., Wang, J., Wang, J., Kjer, K.M., Zhou, X. (2014): Phylogenomics resolves the timing and pattern of insect evolution.– *Science*, 346: 763-767. (CI 33.61)

- A61. Roghi, G., Kustatscher, E., Massimo, B., Dal Corso, J., Forte, G., Franz, M., Hochuli, P., Krainer, K., Massimo Petti, F., Ragazzi, E., Riva, A., Wappler, T., Gianolla, P., 2014. Field trip to Permo-Triassic Palaeobotanical and Palynological sites of the Southern Alps.– *Geo.Alp*, 11: 29-84.
- A60. Chen, J., Wang, B., Engel, M. ., Wappler, T., Jarzembowski, E. A., Zhang, H., Wang, X., Zheng, X., Rust, J. (2014): Extreme adaptations for aquatic ectoparasitism in a Jurassic fly larva. *eLife*, 3: e02844. (CI 9.32)
- A59. Wappler, T., Grímsson, F., Wang, B., Nel, A., Ólafsson, E., Kotov, A.A., Davis, S.R., Engel, M.S. (2014): Before the 'Big Chill': A preliminary overview of arthropods from the middle Miocene of Iceland (Insecta, Crustacea).– *Palaeogeography, Palaeoclimatology, Palaeoecology*, 401: 1-12. (CI 2.745)
- A58. Kustatscher, E., Franz, M., Heunisch, C., Reich, M., Wappler, T. (2014): Floodplain habitats of braided river systems: depositional environment, flora and fauna of the Solling Formation (Buntsandstein, Lower Triassic) from Bremke and Fürstenberg (Germany).– *Palaeobiodiversity and Palaeoenvironments*, 94: 237-270. (CI 1.32)
- A57. Wang, B., Rust, J., Engel, M.S., Szwedo, J., Dutta, S., Nel, A., Fan, Y., Meng, F., Shi, G., Jarzembowski, E. A., Wappler, T., Stebner, F., Fang, Y., Mao, L., Zheng, D., Zhang, H. (2014): A Diverse Paleobiota in Early Eocene Fushun Amber from China.– *Current Biology*, 24: 1606-1610. (CI 9.57)
- A57. Wappler, T., Dlussky, G., Engel, M.S., Prokop, J., Knor, S. (2014): A new trap-jaw ant species of the genus *Odontomachus* (Hymenoptera: Formicidae: Ponerinae) from the Early Miocene (Burdigalian) of the Czech Republic.– *Paläontologische Zeitschrift*, 88: 495-502. (CI 0.940)
- A56. Háva, J., Wappler, T. (2014): A new genus and species of Dermestidae (Coleoptera) from the Eckfeld Maar crater (Middle Eocene, Germany).– *Bulletin of Geosciences* 89: 67-74. (CI 1.15)

2013

- A55. Wappler, T., Garrouste, R., Engel, M.S., Nel, A. (2013): Wasp mimicry of a Palaeocene reduviid bugs from Svalbard.– *Acta Palaeontologica Polonica*, 58 (4): 883-887. (CI 1.900)
- A54. Nel, A., Roques, P., Nel, P., Prokin, A.A., Bourgoin, T., Prokop, J., Szwedo, J., Azar, D., Desutter-Grandcolas, L., Wappler, T., Garrouste, R., Coty, D., Huang, D., Engel, M.S., Kirejtshuk, A.G. (2013): The earliest known holometabolous insects.– *Nature*, 503: 257-261. (CI 38.597)
- A52. Kotthoff, U., Wappler, T., Engel, M.S. (2013): Greater past disparity and diversity hints at ancient migrations of European honey bee lineages into Africa and Asia.– *Journal of Biogeography*, 40: 1832-1838. (CI 4.863)
- A53. Haug, J.T., Leipner, A., Wappler, T., Haug, C. (2013): Palaeozoic insect nymphs: new finds from the Piesberg quarry (Upper Carboniferous, Germany).– *Bulletin of Geosciences* 88: 779-791. (CI 1.15)
- A50. Knor, S., Skuhrová, M., Wappler, T., Prokop, J. (2013): Galls and gall makers on plant leaves from the lower Miocene (Burdigalian) of the Czech Republic: systematic and palaeoecological implications.– *Review of Palaeobotany and Palynology*, 188: 38-51. (CI 1.644)

2012

- A49. Schmidt, A.R., Jancke, S., Lindquist, E.E., Ragazzi, E., Roghi, G., Nascimbene, P.C., Schmidt, K., Wappler, T., Grimaldi, D.A. (2012): Arthropods in amber from the Triassic Period.– *Proceedings of the National Academy of Sciences*, 109: 14796-14801. (CI 9.681)

- A48. Wappler, T., Labandeira, C.C., Rust, J., Frankenhäuser, H., Wilde, V. (2012): Testing for the Effects and Consequences of Mid Paleogene Climate Change on Insect Herbivory.– *PloS ONE*, 7: e40744. (CI 4.411)
- A47. Hartkopf-Fröder, C., Rust, J., Wappler, T., Friis, E.M., Viehofen, A. (2012): Mid-Cretaceous charcoal fossil flowers reveal direct observation of arthropod feeding strategies.– *Biology Letters*, 8: 295-298. (CI 3.521)
- A52. Knor, S., Prokob, J., Kvaček, Z., Janovský, Z., Wappler, T. (2012): Plant-Arthropod associations from the Early Miocene of the Most Basin in North Bohemia – Palaeoecological and palaeoclimatological implications.– *Palaeogeography, Palaeoclimatology, Palaeoecology*, 321-322: 102-111. (CI 2.392)
- A45 Moisan, P., Labandeira, C.C., Matushkina, N.A., Wappler, T., Voigt, S., Kerp, H. (2012): Lycopsid-arthropod associations and odonatopteran oviposition on Triassic herbaceous Isoetites.– *Palaeogeography, Palaeoclimatology, Palaeoecology*, 344-345: 6-15. (CI 2.392)
- A51. Wappler, T., De Meulemeester, T., Murat Aytekin, A., Michez, D., Engel, M.S. (2012): Geometric morphometric analysis of a new Miocene bumble bee from the Randeck Maar of southwestern Germany (Hymenoptera Apidae).– *Systematic Entomology*, 37: 784-792. (CI 2.568)
- A50. Srour, M., Leite, G.L.D., Wappler, T., Tscharrntke, T., Scherber, C. (2012): Diversity of ants across an altitudinal gradient in and outside a pine forest in the Harz Mountains, Germany.– *Insect Science*, doi: 10.1111/j.1744-7917.2012.01521.x. (CI 1.118)

2011

- A49. Wappler, T., Denk, T. (2011): Herbivory in early Tertiary Arctic forests.– *Palaeogeography, Palaeoclimatology, Palaeoecology*, 310: 283-295. (with 59 p. online supplemental data) (CI 2.646)
- A48. Petrulevičius, J.F., Wappler, T., Nel, A., Rust, J. (2011): The diversity of Odonata (Insecta) and their endophytic ovipositions from the Upper Oligocene Fossilagerstätte of Rott (Rhineland, Germany).– *ZooKeys*, 130: 67-89. (CI 1.133)
- A40. Engel, M.S., Kotthoff, U., Wappler, T. (2011): *Apis armbrusteri* Zeuner, 1931 (Insecta, Hymenoptera): proposed conservation by designation of a neotype.– *Bulletin of Zoological Nomenclature*, 68(2): 117-121.
- A39. Kaulfuss, U., Wappler, T., Heiss, E., Larivière, M.-C. (2011): *Aneurys* sp. from the Miocene Foulden Maar, New Zealand: first Southern Hemisphere record of fossil Aradidae.– *Journal of the Royal Society of New Zealand*, 41(4): 279-285. (CI 0.846)
- A38. Schmied, H., Wappler, T., Kolibáč, J. (2011): Die Fossilgeschichte der Jagdkäfer (Trogossitidae) - The fossil record of the bark-gnawing beetles (Trogossitidae).– *Entomologie heute*, 23: 117-122.
- A37. Päckert, M., Wappler, T. (2011): Messel unter der Lupe.– *Natur und Museum*, 1: 41.
- A36. Hughes, D., Wappler, T., Labandeira, C.C. (2011): Ancient death-grip leaf scars reveal ant-fungal parasitism.– *Biology Letters*, 7: 67-70. (CI 3.521)
- A35. Kotthoff, U., Wappler, T., Engel, M.S. (2011): Miocene honey bees from the Randeck Maar of southwestern Germany (Hymenoptera, Apidae).– *ZooKeys*, 96: 11-37. (CI 1.133)

2010

- A34. Wappler, T. (2010): Insect herbivory close to the Oligocene-Miocene transition – a quantitative analysis.– *Palaeogeography, Palaeoclimatology, Palaeoecology*, 292: 540-550. (with 54 p. online supplemental data) (CI 2.646)
- A47. Wappler, T., Makoto, T., Yukawa, J., Wilde, V. (2010): Insect herbivores on *Laurophyllum lanigeroides* (Engelhardt 1922) Wilde: the role of a distinct plant-insect associational suite in host taxonomic assignment.– *Palaeontographica, Abt. B*, 283: 137-155. (CI 0.500)

- A32. Prokob, J., Wappler, T., Knor, S., Kvaček, Z. (2010): Plant-arthropod associations from the Lower Miocene of the Most Basin in northern Bohemia (Czech Republic): A preliminary report.– *Acta Geologica Sinica*, 84(4): 903-914. (CI 1.172)
- A31. Winkler, I. S., Labandeira, C.C., Wappler, T., Wilf, P. (2010): Distinguishing fossil Agromyzidae (Diptera) leaf mines in the fossil record: new taxa from the Paleogene of North America and Germany and their evolutionary implications.– *Journal of Paleontology*, 84(5): 933-952. (CI 1.096)
- A46. Wang, B., Zhang, H., Wappler, T., Rust, J. (2010): Palaeontinidae (Insecta: Hemiptera: Cicadomorpha) from the Upper Jurassic Solnhofen Limestone of Germany and their phylogenetic significance.– *Geological Magazine*, 147(10): 570-580. (CI 2.059)
- A29. Lutz, H., Kaulfuß, U., Wappler, T., Löhnertz, W., Wilde, V., Mertz, D. F., Mingram, J., Franzen, J. L., Frankenhäuser, H., Koziol, M. (2010): Eckfeld Maar: Window into an Eocene Terrestrial Habitat in Central Europe.– *Acta Geologica Sinica*, 84(4): 984-1009. (CI 1.172)
- A28. Kolibáč, J., Schmied, H., Wappler, T., Kubisz, D. (2010): A description of *Promanodes serafini* gen. et sp. nov. from Baltic amber, with a review of related New Zealand *Promanus* Sharp, 1877 (Coleoptera: Trogossitidae).– *Zootaxa*, 2620: 29-44. (CI 0.891)

2009

- A27. Wappler, T., Currano, E.D., Wilf, P., Rust, J., Labandeira, C.C. (2009): No post-Cretaceous ecosystem depression in European forests? Rich insect-feeding damage on diverse middle Palaeocene plants at Menat, France.– *Proceedings of the Royal Society of London, B*, 276: 4271-4277. (with 33 p. online supplemental data and images) (CI 4.857)
- A26. Schmied, H., Wappler, T., Kolibáč, J. (2009): A new bark-gnawing beetle (Coleoptera, Trogossitidae) from the middle Eocene of Europe, with a catalogue of fossil Trogossitidae.– *Zootaxa*, 1993: 17-26. (CI 0.891)
- A45. Wedmann, S., Wappler, T., Engel, M.S. (2009): Direct and indirect fossil record of megachilid bees from the Paleogene of Central Europe.– *Naturwissenschaften*, 96: 703-712. (CI 2.316)
- A44. Dlussky, G., Wappler, T., Wedmann, S. (2009): Fossil ants of the genus *Gesomyrmex* Mayr (Hymenoptera, Formicidae) from the Eocene of Europe.– *Zootaxa*, 2031: 1-20. (CI 0.891)
- A43. Aristov, D.S., Wappler, T., Rasnitsyn, A.P. (2009): New and little known Geinitziidae (Insecta; Grylloblattida) from the Triassic and Jurassic of Europe, Central Asia, Mongolia, and South Africa.– *Paleontological Journal*, 43(4): 418-424. (CI 0.604)
- A42. Wappler, T., Dlussky, G.M., Reuter, M. (2009): The first fossil record of *Polyrhachis* (Hymenoptera: Formicidae: Formicinae) from the Upper Miocene of Crete (Greece).– *Paläontologische Zeitschrift*, 83(3): 431-438. (CI 0.634)

2008

- A21. Petrulevičius, J. F., Wappler, T., Wedmann, S., Rust, J., Nel, A. (2008): New megapodagrionid damselflies (Odonata: Zygoptera) from the Paleogene of Europe.– *Journal of Paleontology*, 82(6): 1173-1181. (CI 1.096)
- A20. Dlussky, G. M., Wappler, T., Wedmann, S. (2008): New weaver ants from the middle Eocene of Europe and remarks on the evolution of weaver ants.– *Acta Palaeontologica Polonica*, 53(4): 615-626. (CI 1.491)
- A19. Wappler, T., Ben-Dov, Y. (2008): Preservation of armoured scale insects (Hemiptera: Coccoidea: Diaspididae) on angiosperm leaves from the Eocene of Germany.– *Acta Palaeontologica Polonica*, 53(4): 627-634. (CI 1.491)

2007

A18. Wappler, T., Petrulevičius, J.F. (2007): Priscalestidae, a new damselfly family (Odonata: Lestinoidea) from the Middle Eocene Eckfeld maar of Germany.– *Alavesia*, 1: 69-73.

2006

A17. Wappler, T., Engel, M.S. (2006): **New record of *Mastotermes* from the Eocene of Germany (Isoptera: Mastotermitidae).**– *Journal of Paleontology*, 80(2): 380-385. (CI 1.096)

A16. Wappler, T. (2006): ***Lutetiacader*, a puzzling new genus of cantacaderid lace bugs (Heteroptera: Tingidae) from the Middle Eocene Messel maar, Germany.**– *Palaeontology*, 49(2): 435-444. (CI 1.890)

A15. Wappler, T., Heiss, E. (2006): Flatbugs from Paleogene limnic sediments. III. Enspel (Heteroptera: Aradidae).– *Zeitschrift der Arbeitsgemeinschaft Österreichischer Entomologen*, 58: 39-44.

A14. Wappler, T., Heiss, E. (2006): Flatbugs from Paleogene limnic sediments. II. Eckfeld maar (Heteroptera: Aradidae).– *Mainzer Naturwissenschaftliches Archiv*, 44: 53-60.

A13. Wappler, T., Heiss, E. (2006): Flatbugs from Paleogene limnic sediments. I. Grube Messel (Heteroptera: Aradidae).– *Polskie Pismo Entomologiczne*, 75(2): 207-217.

A12. Szwedo, J., Wappler, T. (2006): New planthoppers (Hemiptera: Fulgoromorpha) from the Middle Eocene Messel Maar.– *Annales Zoologici*, 56(3): 555-566. (CI 0.542)

2005

A11. Wappler, T., Hinsken, S., Brocks, J. J., Wetzel, A., Meyer, C.A. (2005): A fossil sawfly of the genus *Athalia* (Hymenoptera: Tenthredinidae) from the Eocene-Oligocene boundary of Altkirch, France.– *Comptes Rendus Palevol*, 4(1-2): 7-16. (CI 0.881)

A10. Wappler, T., Engel, M.S., Haas, F. (2005): The earwigs (Dermaptera: Forficulidae) from the middle Eocene Eckfeld maar, Germany.– *Polskie Pismo Entomologiczne*, 74(3): 227-250.

2004

A9. Wappler, T., Smith, V.S., Dalglish, R.C. (2004): **Scratching an ancient itch: an Eocene bird louse fossil.**– *Proceedings of the Royal Society of London, B (Suppl.)*, 271(S5): 255-258. (CI 3.521)

A8. Wappler, T., Andersen, N. M. (2004): **Fossil water striders from the Middle Eocene fossil sites Eckfeld and Messel, Germany (Hemiptera, Gerromorpha).**– *Paläontologische Zeitschrift*, 78(1): 41-52. (CI 0.634)

A7. Wappler, T. (2004): The first lace bug (Insecta: Heteroptera: Tingidae) from the Early Oligocene deposits near Céreste, France.– *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, 2004(5): 278-288.

A6. Wappler, T. (2004): Notes on a plant-hopper (Hemiptera: Fulgoromorpha: Dictyopharidae) from the Middle Eocene Messel maar, Germany.– *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, 2004 (11): 694-704. (CI 0.622)

2003

A5. Wappler, T. (2003): New fossil lace bugs (Heteroptera: Tingidae) from the Middle Eocene of the Grube Messel (Germany), with a catalog of fossil lace bugs.– *Zootaxa*, 374: 1-26. (CI 0.891)

A4. Wappler, T. (2003): Die Insekten aus dem Mittel-Eozän des Eckfelder Maares, Vulkaneifel.– *Mainzer Naturwissenschaftliches Archiv, Beiheft*, 27: 1-234.

A3. Wappler, T., Engel, M.S. (2003): **The Middle Eocene bee faunas of the Eckfeld Maar and Messel, Germany (Hymenoptera: Apoidea).**– *Journal of Paleontology*, 77(5): 908-921. (CI 1.096)

2001

- A2. Wappler, T. (2001): Haglidae (Insecta: Orthoptera) aus der obertriassischen Molteno Formation im südlichen Afrika.– *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen*, 222(3): 329-352. (CI 0.622)
- A1. Wappler, T. (2001): New orthopteroid insects from the Upper Triassic Molteno Formation, Karoo Basin, southern Africa.– *Acta Geologica Leopoldensia*, XXIV (52/53): 87-104.

B – Other scientific publications (journal dissemination of knowledge, or without evaluation committee, and thesis)

- B11. Labandeira, C.C., Wilf, P., Johnson, K.R., Wappler, T., Marsh, F. (in press): Guide to Insect (and other) Damage Types on Compressed Plant Fossils. Version 4.0. Smithsonian Institution, Washington, D.C. (<http://paleobiology.si.edu/pdfs/insectDamageGuide.pdf>)
- B10. Gruber, G., Sandrock, O., Wappler, T. (2018): DARMSTADT: The Paleontological Collections of Hessisches Landesmuseum Darmstadt, in: Beck, L.A., Joger, U. (Eds), *Paleontological Collections of Germany, Austria and Switzerland – The History of Life of Fossil Organisms at Museums and Universities*. Springer, Heidelberg, pp. 157-164.
- B9. Hartkopf-Fröder, C., Rust, J., Wappler, T., Friis, E.M., Viehofen, A. (2015): Die letzte Mahlzeit einer Milbe vor 100 Millionen Jahren, in: Otten, T., Kunow, J., Rind, M.M., Trier, M. (Eds.), *Archäologie in NRW 2010-2015*. Theiss, Darmstadt, pp. 240-241.
- B8. Pfeifer, M.A., Niehuis, M., Renker, C. unter der Mitwirkung von Fluck, M., Schulte, T., Ehrmann, R., Simon, L., van Elst, A., Wappler, T., Rust, J., Kiefer, A. (2011): Die Fang- und Heuschrecken in Rheinland-Pfalz.– *Gesellschaft für Naturschutz und Ornithologie Rheinland-Pfalz e.V. (GNOR) Fauna und Flora in Rheinland-Pfalz, Beiheft 41*: 678 pp.
- B7. Wappler, T. (2010): Pflanzen-Insekten Assoziationen im Tertiär Europas – Indikator für die Dynamik terrestrischer Ökosysteme und die Entwicklung von Biodiversität. Habilitation thesis, Rheinische Friedrich-Wilhelms-Universität, Bonn, 358 p.
- B6. Wappler, T., Gee, C. T. (eds.) (2010): *Plant-Insect Interactions in Deep Time: Contributions from the 8th International Organisation of Palaeobotany Conference in Bonn, Germany, August 30-September 5, 2008*.– *Palaeontographica, Abt. B*, 283: 99-101.
- B5. Gruber, G., Micklich, N., Sandrock, O., Wappler, T. (eds.) (2005): *Current Research in Vertebrate Palaeontology*.– *Kaupia*, 14: 125 pp.; Darmstadt (Hessisches Landesmuseum Darmstadt).
- B4. Wappler, T., Päckert, M. (2005): *Messel unter der Lupe*.– In: Hessisches Landesmuseum Darmstadt (Ed.): *Messel unter der Lupe [anlässlich der Ausstellung „Messel unter der Lupe“; Begleitheft]*: 56 pp.; Darmstadt (Hessisches Landesmuseum).

- B3. Wappler, T. (2004): Dino & Co. – 59 Saurier aus Asien, erstmals in Europa.– Mitteilungen - Journal des Hessischen Museumsverbandes, 26: 12-13.
- B2. Wappler, T. (2004): Die Grube Messel für Kinder und andere Forscher.– Mitteilungen - Journal des Hessischen Museumsverbandes, 26: 45.
- B1. Wappler, T. (2003): Systematik, Phylogenie, Taphonomie und Paläoökologie der Insekten aus dem Mittel-Eozän des Eckfelder Maares, Vulkaneifel. Doctoral Dissertation, Technical University Clausthal, Clausthal-Zellerfeld, 241 p.