

RECENT PLECOPTERA LITERATURE

If papers were missed, please bring these to the attention of the Managing Editor so that they may be included in the next volume.

Initial lists were exported from Plecoptera Species File (<http://plecoptera.speciesfile.org/>). Thank you to Weihai Li, Bill P. Stark, José Manuel Tierno de Figueroa, Mayumi Yoshimura, and Peter Zwick for sending supplementary references that helped to make this bibliography more complete.

- Akamagwuna F. C. and O. N. Odume. 2020. Ephemeroptera, Plecoptera and Trichoptera (EPT) functional feeding group responses to fine grain sediment stress in a river in the Eastern Cape, South Africa. *Environmental Monitoring and Assessment* 192 (4):1-11.
- Almeida L.H. and P. C. Bispo. 2020. Perlidae (Plecoptera) from the Paranapiacaba Mountains, Atlantic Forest, Brazil: Diversity and implications of the integrative approach and teneral specimens on taxonomy. *PloS* 15(12), e0243393
- Andrade I. C. P. T. K. Krolow, R. Boldrini and F. M. Pelicice. 2020. Diversity EPT (Ephemeroptera, Plecoptera, Trichoptera) along streams fragmented by waterfalls in the Brazilian Savanna. *Neotropical Entomology* 49 (2) 202-212.
- Aoya K. 2018. Composition, seasonal dynamics and characteristics of benthic macro-invertebrate community of a highly acidic stream, Shibukuro Stream in Tamagawa River System, northern Honshu. *Biology of Inland Waters* 33:35-47.
- Arndt E., S. Müller, A. Ehrle, H. Gröger-Arndt, A. Willenberg and F. Döll. 2020. Ersterfassung der makrozoobenthischen Fauna von Kalktuffquellen im Eichsfeld (Thüringen) (First inventory of the macrozoobenthic fauna in springs in calcareous tufa in the Eichsfeld (Thuringia)) *Vernate* 39:133-152.
- Barbosa D. D. A., L. S. Brasil, L. S., C.A.S.D. Azevêdo and L. R. C. Lima. 2020. The role of spatial and environmental variables in shaping aquatic insect assemblages in two protected areas in the transition area between Cerrado and Amazônia. *Biota Neotropica*, 20 (3)e20190932
- Barbosa D. D. A., L. S. Brasil, L. S., C.A.S.D. Azevêdo and L. R. C. Lima. 2020. The role of spatial and environmental variables in shaping aquatic insect assemblages in two protected areas in the transition area between Cerrado and Amazônia. *Biota Neotropica* 20 (3)e20190932
- Bo T., M. Cammarata, A. Doretto and S. Fenoglio (2020) How organic pollution and habitat alteration influence the trophic habits of *Perlodes intricatus* (Pictet, 1841) in alpine rivers. *Aquatic Insects* 41 (1):67-75. DOI: 10.1080/01650424.2019.1708406
- Bössneck U. and I. Hampel. 2018. Die Schutzgebiete der Landeshauptstadt Erfurt (Thüringen). XXVI Fauna und Flora des GLG "Geraaue bei Kühnhausen" [Protected areas of the state capital, Erfurt (Thuringia). XXVI fauna and flora of the GLB "Gera floodplain at Kühnhausen"]. *Vernate* 37:63-92.
- Brittain J. E., J. Heino, N. Friberg, J. Aroviita, M. Kahlert, S. M. Karjalainen, F. Keck, J. Lento, P. Liljaniemi, H. Mykrä, S. C. Schneider and J. Ylikörkkö. 2020. Ecological correlates of riverine diatom and macroinvertebrate alpha and beta diversity across Arctic Fennoscandia. *Freshwater Biology* DOI: 10.1111/fwb.13616
- Bruus M., J. J. Rasmussen, M. Strandberg, B. Strandberg, P. B. Sorensen, S. E. Larsen, C. Kjaer, S. L. and P. Wiberg-Larsen. 2020. Terrestrial adult stages of freshwater insects are sensitive to insecticides. *Chemosphere* 239:124799.
- Cao Z., D. Yang and W. Li. 2020. A new species of *Eucapnopsis* (Plecoptera: Capniidae) from China. *Zootaxa* 4779 (1):142–148
- Cao Z., Y. Wang and W. Li. 2020. A new species of *Isoperla* (Plecoptera: Perlodidae) from China. *Zootaxa* 4858 (2):251-260.

- Capera C. V. 2020. Estudios ninfales de *Anacroneuria* spp. (Plecoptera: Perlidae) y su relación con variables fisicoquímicas en tres microcuencas del río Combeima (Ibagué, Colombia) (Nymphal stages of *Anacroneuria* spp. (Plecoptera: Perlidae) and its relationship with physicochemical variables in three microbasins of the Combeima River, Ibagué, Colombia). Revista de la Academia Colombiana de Ciencias Exactas, Físicas y Naturales 44(171): 458-470.
- Chen J., J. Cao, M. Chen, S. Chen, W. Li and Ying Wang. 2020. The complete mitochondrial genome of *Amphinemura claviloba* (Wu, 1973) (Plecoptera: Nemouridae). Zootaxa 4732 (3):461-473.
- Chen S., J. Cao, W. Li and Y. Wang. 2020. Characterization of the complete mitochondrial genome of *Nemoura meniscata* Li & Wang (Plecoptera: Nemouridae) from China. Mitochondrial DNA Part B-Resources 5 (1):1052-1053.
- Chen S., J. Cao, B. C. Kondratieff, H. Hao, and Y. Wang. 2020. Characterization of the complete mitochondrial genome of a stonefly, *Perlestes teaysia* (Plecoptera: Perlidae). Mitochondrial DNA Part B-Resources 5 (1):152-153.
- Chen Z.-T. 2020. A new stonefly (Plecoptera: Perlidae) from the mid-Cretaceous Burmese amber. Cretaceous Research. 113 (2020):104489.
- Chen Z.-T. 2020. Description of a new *Filchneria* (Plecoptera: Perlodidae), with supplementary illustrations for *Taenionema japonicum* (Plecoptera: Taeniopterygidae) from northeastern China. Zootaxa 4808 (2):350-364.
- Chen Z.-T. 2020. *Eprocorema yunnanensis* sp. nov., a new species of the tropical genus *Eprocorema* (Plecoptera: Perlidae) from China. Zootaxa 4759(3):433-439.
- Chen Z.-T. 2020. First discovery of *Leuctra fusca tergestyla* Wu, 1973 in Sichuan Province of China and notes on its taxonomic status, with new illustrations for *Rhopalopsole sinensis* Yang & Yang, 1993 (Plecoptera: Leuctridae). Zootaxa 4929 (2):195-206.
- Chen Z.-T. 2020. First record of the genus *Phanoperla* Banks, 1938 (Plecoptera: Perlidae) from mainland China, with description of a new species. Zootaxa 4718 (2):230-238.
- Chen Z.-T. 2020. Holomorphology and Neotype designation of *Microperla geei* Chu, with egg morphology of *Microperla qinlinga* Chen (Plecoptera: Peltoperlidae). Zootaxa 4780 (3):563-578.
- Chen Z.-T. 2020. Mitogenomic features of *Pteronarcys sachalina* (Plecoptera: Pteronarcyidae), the only salmonfly known from China. Zootaxa 4860 (3):401-412.
- Chen Z.-T. 2020. New genus of Cretaceous stonefly (Plecoptera: Perlidae) from Kachin amber, Myanmar. Acta Palaeontologica Sinica. 59(1):58-63.
- Chen Z.-T. 2020. New species of *Acroneuria* (Plecoptera: Perlidae) from central Vietnam. Zootaxa 4722 (1):59-67.
- Chen Z.-T. 2020. Plecoptera larvae of China: Larval descriptions of two stonefly species (Capniidae, Nemouridae) from Jiangsu Province. Zootaxa 4759 (2): 223-236.
<https://doi.org/10.11646/zootaxa.4759.2.5>
- Chen Z.-T. 2020. *Sinoperlodes*, a new genus of subfamily Perlodinae (Plecoptera, Perlodidae) from coastal southeastern China. Zootaxa 4779 (4):584-594.
- Chen Z.-T. 2020. Systematic notes on *Cryptoperla* Needham, 1909 (Plecoptera: Peltoperlidae) from China, with description of a new species from Zhejiang Province. Zootaxa. 4810(3):576-588.
- Chen Z.-T. 2020. The larvae of *Rhopalopsole vespertilio* Chen & Du (Plecoptera: Leuctridae), with biological notes on sympatric *Nemoura nankinensis* Wu (Plecoptera: Nemouridae). Zootaxa 4767 (4):578-588.
- Chen Z.-T. 2020. Two new species of Nemouridae (Insecta: Plecoptera) from China. European Journal of Taxonomy. 651:1-16.
- Chen Z.-T. and S.-K. Du. 2020. Rediscovery of the only known salmonfly from China, *Pteronarcys sachalina* Klapálek, 1908 (Plecoptera: Pteronarcyidae). Aquatic Insects: International Journal of Freshwater Entomology. 41(2):174-183. DOI: 10.1080/01650424.2020.1727928.

- Chen Z.-T. and J.-L. Hou. 2020. A new species of *Hemacroneuria* and additions to *Chinoperla* (Plecoptera: Perlidae) from China. *Zootaxa* 4751(1):161-171.
- Chen Z.T. and B. Wang. 2020. New females of Perlidae (Insecta: Plecoptera) from Cenomanian Burmese amber. *Cretaceous Research* 106, 104203
- Chen Z.-T. and C.-P. Xu. 2020. First Peltoperlidae (Insecta: Plecoptera) from mid-Cretaceous Burmese amber. *Cretaceous Research*. 114(2020):104506.
- Chen Z.-T. and X.-H. Ye. 2020. *Taenionema* (Plecoptera: Taeniopterygidae), a stonefly genus new to the fauna of China. *Zootaxa* 4767 (3):459-468.
- Chen Z.-T., C. Jiang and Y. S. Li. 2020. DNA barcodes of Plecoptera from China: The preliminary dataset and its performance in species delimitation. *Zootaxa* 4751 (2):345-356.
- Cibik J., P. Beracko, I. Krno and T. Derka. 2020. Stonefly (Insecta: Plecoptera) assemblages of western Carpathians Karst springs. *Entomofauna Carpathica* 32 (1):153-164.
- de Sousa Carvalho A., L. Henrique de Almeida, C. A. Silva de Azevedo and L. R. Costa Lima. 2020. The genus *Anacroneuria* Klapálek, 1909 (Plecoptera: Perlidae) from Maranhão State, northeastern Brazil. *Zootaxa* 4860(3):435-444.
- Dorff N. C. 2020. Hyporheic secondary production and life history of a common Ozark stonefly. *Hydrobiologia* 847(2):443-456.
- Drescher D. 2020. Bemerkenswerte Funde aquatischer Wirbelloser im Südniedersächsischen Berg- und Hügelland und dem Übergang zum angrenzenden Östlichen Tiefland Niedersachsens mit Erst- und Wiederfundten für den Naturraum. (Hydrofaunistic notes from the South of Lower Saxony including several first records and rediscoveries on regional or countrywide scale). *Lauterbornia* 87:75-92.
- Du Yu-Zhou. 2020. Advances in Plecoptera systematics in China. *Chinese Journal of Applied Entomology* 57 (2):284-297.
- Eggert S. L., J. B. Wallace, J. L. Meyer and J. R. Webster. 2020. Trophic basis of production of stream detritivores shifts with reduced forest inputs. *Hydrobiologia* 847 (14):3091-3101.
- Elias J. D. 2020. Response of tropical African macroinvertebrates with varying tolerances to different levels of nitrate and phosphate. *International Journal of Ecology* 2020:4034069.
- Enting K. and A. Haybach. 2020. Beitrag zur Kenntnis der Steinfliegen Fauna (Insecta: Plecoptera) des Saarlandes (SW-Deutschland) mit kritischer Revision des Artenbestandes. (Contribution to the knowledge of stonefly fauna of the federal state Saarland (SW-Germany) with critical remarks to its species inventory). *Lauterbornia* 87:58-62.
- Erasmus D. J., and D. P. Huber. 2020. Plecoptera from the Crooked River, British Columbia. *Journal of the Entomological Society of British Columbia* 117:64-68.
- Feeley H. B., J. R. Baars, and M. Kelly-Quinn. 2020. Ireland Rest List No. 13: Stoneflies (Plecoptera). National Parks and Wildlife Service, Department of Culture, Heritage and the Gaeltacht, Dublin, Ireland. 17 pp.
- Fenoglio S., J. M. Tierno de Figueroa, A. Doretto, E. Falasco and F. Bona. 2020. Aquatic insects and benthic diatoms: A history of biotic relationships in freshwater ecosystems. *Water* 12, 2934.
- Ferreira S., J. M. Tierno de Figueroa, F. M. S. Martins; J. Verissimo, L. Quaglietta, J. M. Grosso-Silva, P. B. Lopes, P. Sousa, J. Pauperio, N. A. Fonseco and P. Beja. 2020. The InBIO Barcoding Initiative Database: contribution to the knowledge on DNA barcodes of Iberian Plecoptera. *Biodiversity Data Journal*. 8(e55137). doi: 10.3897/BDJ.8.e55137
- Fochetti R. 2020. Endemism in the Italian stonefly-fauna (Plecoptera). *Zootaxa* 4722 (4):381-388.
- Foster B. J., G. A. McCulloch and J. M. Waters. 2020. *Zelandoperla maungatuaensis* sp. n. (Plecoptera: Gripopterygidae), a new flightless stonefly species from Otago, New Zealand. *New Zealand Journal of Zoology* 47 (2):141-147.
- Gamboa M. 2020. Hemocyanin and hexamerins expression in response to hypoxia in stoneflies (Plecoptera, Insecta). *Archives of Insect Biochemistry and Physiology* 105(3), e21743

- Gauthier M., L. Konecny-Dupre, A. Nguyen, V. Elbrecht, T. Datry, C. Douady and T. Lefebure. 2020. Enhancing DNA metabarcoding performance and applicability with bait capture enrichment and DNA from conservative ethanol. *Molecular Ecology Resources* 20 (1):79-96.
- Geertsema H. 2004. A new genus of Permian Plecoptera (*Afroperla*) from KwaZulu-Natal, South Africa. *African Entomology* 12 (2):268-270.
- Goulart Costa B., R. Lopes Ferreira and T. Giovannini Pellegrini. 2021. Feeding in the dark: are stonefly nymphs good indicators of reference conditions for cave streams? A case study using gut content analysis in Brazilian quartzite caves. *Limnetica* 40(1):79-91.
- Grubbs S. A., M. L. Metzger and S. Wei. 2020. Systematics of eastern Nearctic *Leuctra moha* Ricker, 1952 with notes on *L. hicksi* Harrison & Stark, 2010 (Plecoptera: Leuctridae). *Zootaxa* 4768 (3):361-373.
- Haidekker A. and D. Hering. 2020. Relationship between benthic insects (Ephemeroptera, Plecoptera, Coleoptera, Trichoptera) and temperature in small and medium-sized streams in Germany: A multivariate study. *Aquatic Ecology* 42 (3):463-481.
- Hammett M. J. 2012. *Nemoura lacustris* Pictet, 1865 (Plecoptera: Nemouridae) - an addition to the British list. *Entomologist's Monthly Magazine* 148 (1772): 43-45.
- Hohmann, M. and R. Küttner. 2020. Regionalisierte Checkliste der Steinfliegen (Insecta: Plecoptera) Deutschlands. Zweite Fassung. Stand: 03/2020. (Checklist of stonefly species known from different regions in Germany. Second version, 03/2020)]. *Lauterbornia* 87: 1- 15.
- Hohmann M. and W. Kleinsteuber. 2020. Rote Listen Sachsen-Anhalt 27 Steinfliegen (Plecoptera) (Red Lists Saxony-Anhalt 27 Stoneflies (Plecoptera)). Berichte des Landesamtes für Umweltschutz Sachsen-Anhalt Halle 1/2020: 467-475.
- Hao C., G. Wang, W. Li and J. Cao. 2020. The mitochondrial genome analysis of *Flavoperla hatakeyamae* (Plecoptera: Perlidae). *Mitochondrial DNA Part B*. 5(1):1023-1024
- Hotaling S., A. A. Sah, M. E. Dillon, J. J. Giersch, L. M. Tronstad, D. S. Finn, H. A. Woods, and J. L. Kelley. 2020. Cold tolerance of mountain stoneflies (Plecoptera: Nemouridae) from the high Rocky Mountains BioRxiv doi: <https://doi.org/10.1101/2020.06.25.171934>
- Hotaling S., A. A. Shah, K. L. McGowan, L. M. Tronstad, J. J. Giersch, D. S. Finn, H. A. Woods, M. E. Dillon and J. L. Kelley. 2020. Mountain stoneflies may tolerate warming streams: Evidence from organismal physiology and gene expression. *Global Change Biology*. <https://doi.org/10.1111/gcb.15294>
- Huo Q.-B. and Y.-Z. Du. Two new species of *Sinacroneuria* Yang & Yang, 1995 (Plecoptera: Perlidae) from Guizhou, southwestern China. *Zootaxa* 4834 (2):283-292.
- Huo Q.-B. and Y.-Z. Du. 2020. A new genus and two new species of stoneflies (Plecoptera: Perlodidae) from Guizhou Province, China. *Zootaxa* 4718 (4):470-480.
- Huo Q.-B. and Y.-Z. Du. 2020. A new remarkable *Isoperla* species with abdominal processes from Hubei Province of Central China (Plecoptera: Perlodidae). *Zootaxa* 4801 (3):552-558.
- Huo Q.-B., Z.-N. Chen, X.-Bo Kong and Y.-Z. Du. 2020. New records and a confirmation of three perlodid species in China, with additional notes and images of *Rausserodes epiproctalis* (Zwick, 1997) (Plecoptera: Perlodidae). *Zootaxa* 4808 3:455-474.
- Hwang J. Mi & D. Murányi. 2020. Checklist of the Korean Stoneflies (Plecoptera) with six newly recorded species. *Animal Systematics, Evolution and Diversity*. 36 (1):46-54.
- Inada K., K. Kusakari, & K. Tanida. 2018. Some collections of winter stoneflies from Japan 2. Chloroperlidae, Taeniopterygidae, Leuctridae and Nemouridae. *Biology of Inland Waters* 33:15-20.
- Jordan S., B. K. Hand, S. Hotaling, A. G. Delvecchia, R. Malison, C. N., G. Luikart and J. A. Stanford. 2020. Genomic data reveal similar genetic differentiation in aquifer species with different dispersal capabilities and life histories. *Biological Journal of the Linnean Society*. 129 (2):315-322.

- Kluge N. J., 2020. Insect systematics and principles of cladogenesis. In 2 volumes. Moscow: KMK Scientific Press. 1–1037 (in Russian).
- Küttner R., B. Plesky, H. Voigt and K. Enting. 2020. *Isoperla sudeatica* (Kolenati, 1859) und *Isoperla goertzi* Illies, 1952 in Sachsen (Insecta: Plecoptera). (*Isoperla sudeatica* (Kolenati, 1859) and *Isoperla goertzi* Illies, 1952 in Saxony/Germany (Insecta: Plecoptera)). Lauterbornia, 87:101–121.
- Lencioni V., F. Bellamoli and F. Paoli. 2020. Multi-level effects of emerging contaminants on macroinvertebrates in Alpine streams: From DNA to the ecosystem. Ecological Indicators. 117:106660.
- Li W. and F. Kong. 2020. A new species and new record of *Tyloperla* (Plecoptera: Perlidae) from China. Zootaxa. 4728 (2):289–294.
- Li W., F. Kong and S. Liu. 2020. New and little known species of *Kamimuria* (Plecoptera: Perlidae) from Fujian of China. Zootaxa 4809 (2):363–373.
- Li W., R. Mo and G. Wang. 2020. Two new species of *Neoperla montivaga* group (Plecoptera: Perlidae) from Guangxi Zhuang Autonomous Region of southern China. Zootaxa 4718 (4):573–583.
- Li W., V. A. Teslenko and D. Yang. 2020. Two new species and new record of *Amphinemura* (Plecoptera: Nemouridae) from northern China. Zootaxa 4743(3):402–410.
- Li W., W. Li and D. Yang. 2020. Additions to *Sphaeronomoura* (Plecoptera: Nemouridae) from Oriental China. Zootaxa 4722 (3):234–240.
- Li W., D. Yang and W. Li. 2020. A new species of *Indonemoura fujianensis* complex (Plecoptera: Nemouridae) from Central China, with female association of *I. auriformis* Li & Yang, 2008. Zootaxa 4868 (3):441–447.
- Liu F., W. Li, Y. Cui and O. Bethoux. 2020. Tell a Styloperlidae from its wing venation: diagnostic traits of the family derived from a survey of intra-specific variability in *Cerconychia livida* Klapálek, 1913 and related species (Insecta: Plecoptera). Insect Systematics and Evolution. 1–13. DOI 10.1163/1876312X-bja10001
- Liu H., Y. Yan, W. Li and M. Shi. 2020. Rediscovery of a poorly known Chinese stonefly, *Flavoperla ovalolobata* (Wu, 1948) (Plecoptera: Perlidae). Zootaxa 4819 (3):595–600.
- Malison R., A. G. Delvecchia, H. A. Woods, B. K. Hand, G. Luikart and J. A. Stanford. 2020. Tolerance of aquifer stoneflies to repeated hypoxia exposure and oxygen dynamics in an alluvial aquifer. The Journal of Experimental Biology 223 (16):jeb225623.
- Malison R. L., B. K. Ellis, A. G. DelVecchia, H. Jacobson, B. K. Hand, G. Luikart, H. A. Woods, M. Gamboa, K. Watanabe and J. A. Stanford. 2020. Remarkable anoxia tolerance by stoneflies from a floodplain aquifer. Ecology 101 (10):e03127
- McRoberts T. 2020. Effects of stream permanence on the stoneflies (Plecoptera) of the Mammoth Cave Region. Master's Theses & Specialist Projects, Western Kentucky University, Bowling Green. Paper 3207, <https://digitalcommons.wku.edu/theses/3207>
- Min J.-K. and D.-S. Kong. 2020. Distribution patterns of benthic macroinvertebrate communities based on multispatial-scale environmental variables in the river systems of Republic of Korea. Journal of Freshwater Ecology 35 (1):323–347.
- Mo R., G. Wang and W. Li. 2020. A new species and two new records of the *Neoperla diehli* subgroup of the *N. montivaga* group (Plecoptera: Perlidae) from China. Zootaxa 4790 (3):515–524.
- Mo R., G. Wang and W. Li. 2020. A new species of *Flavoperla* Chu, 1929 (Plecoptera: Perlidae) from Guangxi Zhuang Autonomous Region of southern China. Zootaxa 4732 (4):565–572.
- Mo R., G. Wang and W. Li. 2020. A new species of *Tyloperla* (Plecoptera: Perlidae) from Guangxi, China, with a redescription of the male of *T. sinensis* Yang & Yang, 1993. Zootaxa 4763 (1):109–116.
- Mo R., G. Wang and W. Li. 2020. The first record and a new species of the genus *Hemacroneuria* from Guangxi of China (Plecoptera: Perlidae). Zootaxa 4780 (2):396–400.

- Mo R., G. Wang, D. Yang and W. Li. 2020. A new species of *Sphaeronomoura* (Plecoptera: Nemouridae) from Guangxi Zhuang Autonomous Region of southern China. Zootaxa 4763 (3):447-450.
- Mo R., G. Wang, D. Yang and W. Li. 2020. Two new species of *Amphinemura* (Plecoptera: Nemouridae) from Damingshan National Natural Reserve of Guangxi, China. Zootaxa 4751 (1):131-142.
- Mo R., G. Wang, D. Yang and W. Li. 2020. A new species of the *Indonemoura fujianensis* complex (Plecoptera: Nemouridae) from the Guangxi Zhuang Autonomous Region of southern China. Zootaxa 4801 (2):395-400.
- Mo R., G. Wang, D. Yang and W. Li. 2020. *Nemoura cucurbitata* (Plecoptera: Nemouridae), a new stonefly species from Guangxi, China. Zootaxa 4731 (1):145-150.
- Mo R., G. Wang, D. Yang, W. Li and D. Murányi. 2020. Two new species of the *Amphinemura sinensis* group (Plecoptera: Nemouridae) from southern China. Zootaxa 4820 (2):337-350.
- Mo R., G. Wang, W. Li and D. Murányi. 2020. Review of the Oriental genus *Neoperlops* Banks, 1939 (Plecoptera: Perlidae). Zootaxa 4763 (3):405-418.
- Mo R., H. Liu, D. Liao, G. Wang and W. Li. 2020. *Caroperla brevihamata* (Plecoptera: Perlidae), a new stonefly species from Guangxi Zhuang Autonomous Region of southern China. Zootaxa 4869 (3):430-436.
- Mo R., J. Ye, G. Wang and W. Li. 2020. The first record of the family Chloroperlidae (Plecoptera) from the Guangxi Zhuang Autonomous Region of southern China, with description of a new species of *Sweltsa* Ricker, 1943. Zootaxa 4853 (2):275-282.
- Mo R., M. Gamboa, K. Watanabe, G. Wang, W. Li, D. Yang and D. Murányi. 2020. A remarkable new genus and species of Nemourinae (Plecoptera, Nemouridae) from Sichuan, China, with systematic notes on the related genera. PLoS ONE. 15(3):e0229120.
- Mo R., R. Liu, W. Li and M. Shi. 2020. Rediscovery of two species of *Neoperla* (Plecoptera: Perlidae) from China. Zootaxa 4758 (2):369-377.
- Murányi D., M. Gamboa and K. Watanabe. 2020. A new species of *Protonemura* Kempny, 1898 (Plecoptera: Nemouridae) from the Ishizuchi Range, Shikoku, Japan. Zootaxa 4718 (1):57-66.
- Múrria C., L. O. S. Väistönen, S. Somma, O. S. Wangensteen, M. A. Arnedo and N. Prat 2020. Towards an Iberian DNA barcode reference library of freshwater macroinvertebrates and fishes. Limnetica 39(1):73-92.
- Miyahara, Y. 2018. Fauna and distribution of wingless winter stoneflies (Plecoptera, Capniidae) in Gunma Prefecture, central Honshu, Japan. Biology of Inland Waters 33:21-28.
- Miyahara Y. 2019. Numbers of mature eggs in females of seven winter stonefly species. Biology of Inland Waters 34:21-28.
- Miyahara Y. 2020 Winter stoneflies in the upper part of the Nurigawa River, a tributary of the Katashinagawa River, in Gunma Prefecture, central Japan. Biology of Inland Waters 35: 65-74.
- Miyahara Y. & S. Tsuchiya. 2018. Winter stoneflies on snowy valleys of the eastern face of Mt. Tanigawa in northern Gunma, central Japan. Biology of Inland Waters 33:9-14.
- Niedrist G. H. and L. Füreder. 2020. Real-time warming of alpine streams: (re)defining invertebrates' temperature preferences. River Research and Applications 2020:1-11.
- Ohtaka A., N. Kimura, K. Nagasawa, E. Nishi, S. Fujimoto, H. Abe, H. Ueda, K. Tomikawa, S. Hiruta, G. Yoshinari, K. Tanada, T. Kobayashi, S. Nohara, and M. Takahashi. 2020. Water environments and benthic fauna in the spring-fed Gudari-numa Stream in Hakkoda Mountains, northern Japan. Biology of Inland Waters 35:1-26.
- Orci K. M. and D. Murányi. 2020. Female answer specificity to male drumming calls in three closely related species of the stonefly genus *Zwicknia* (Plecoptera: Capniidae). Insect Science 00, 1–9, DOI 10.1111/1744-7917.12759

- Pedreros P., M. Guevara-Mora, A. Stehr, A. Araneda and R. Urrutia. 2020. Response of macroinvertebrate communities to thermal regime in small Mediterranean streams (southern South America): Implications of global warming. *Limnologica* 81:125763.
- Pelingen A. L. and H. Freitag. 2020. Description of *Neoperla mindoroensis* sp. nov., the first record of a stonefly from Mindoro, Philippines (Plecoptera, Perlidae), and identification of its life stages using COI barcodes. *Zootaxa* 954:47-63.
- Peralta-Maraver I., M. J. López-Rodríguez, A. Roberston and J. M. Tierno de Figueroa. 2020. Anthropogenic flow intermittency shapes food web topology and community delineation in Mediterranean rivers. *International Journal of Hydrobiolgy* 105:74-84.
- Perez-Cruet J. M. 2020. Effects of subterranean limestone sinks and agricultural development on benthic macroinvertebrate communities of Canyon Creek (Wyoming). *Bulletin of the Peabody Museum of Natural History* 61(2):103-122.
- Pessacq P., T. Duarte and L. B. Epele. 2020. A first cladistic analysis of Antarcticoperlinae (Plecoptera: Gripopterygidae) and a new micropterous species from Patagonia. *Zoological Journal of the Linnean Society* 190(3):771-787.
- Piano E., A. Doretto, E. Falasco, L. Gruppuso, F. Bona and S. Fenoglio. 2020. Flow intermittency negatively affects three phylogenetically related shredder stoneflies by reducing CPOM availability in recently intermittent Alpine streams in SW-Italian Alps. *Hydrobiologia* 847 (19):4049-4061.
- Potel S. 2020. Vorläufige Gesamtartenliste der Steinfliegen (Plecoptera) des Saarlandes (Preliminary list of stoneflies (Plecoptera) species in the Saarland). Minister für Umwelt und DELATTINIA (Hrsg.). Rote Liste gefährdeter Pflanzen und Tiere des Saarlandes.
- Prater C., P. M. Bumpers, L. M. Demi, A. D. Rosemund & P. D. Jeyasingh. 2020. Differential responses of macroinvertebrate ionomes across experimental N:P gradients in detritus-based headwater streams. *Oecologia* (Berlin) 193(4):981-993.
- Rendoll-Carcamo J., T. Contador, P. Convey and J. H. Kennedy. 2020. Sub-Antarctic freshwater invertebrate thermal tolerances: An assessment of critical thermal limits and behavioral responses. *Insects* 11 (2):102-115.
- Ruffoni A. and J. M. Tierno de Figueroa. 2020. Complements to the description of the vibrational duet of *Rhabdiopteryx thienemanni* Illies, 1957 (Plecoptera: Taeniopterygidae). *Aquatic Insects: International Journal of Freshwater Entomology*. 41(4):324-331.
- Rutter N.J., J.H. Mynott, T.J. Howell, A.A. Stukas, J.H. Pascoe, P.C. Bennett, and N.P. Murphy. 2021. Buzzing with possibilities: training and olfactory generalization in conservation detection dogs for an endangered stonefly species. *Aquatic Conservation: Marine and Freshwater Ecosystems* 2021:1– 6. <https://doi.org/10.1002/aqc.3531>
- Samraoui B., Z. Bouhala, A. R. Garcia, J. Marquez-Rodriguez, M. Ferreras-Romero, H. A. El-Serehy and F. Samraoui. 2020. Trichoptera and Plecoptera of the Seybouse River, northeast Algeria: Distribution, phenology and new records. *Zootaxa* 4845 (4):552-564.
- Sarremejane R.; N. Cid, R. Stubbington, T. Datry, M. Alp, M. Cañedo-Argüelles, A. Cordero-Rivera, Z. Csabai, C. Gutiérrez-Cánovas, J. Heino, M. Forcellini, A. Millán, A. Paillex, P. Pařil, M. Polášek, J. M. Tierno de Figueroa, P. Usseglio-Polatera, C. Zamora-Muñoz and N. Bonada. 2020. DISPERSE, A trait database to assess the dispersal potential of European aquatic macroinvertebrates. *Scientific Data*, 7, 386.
- Schmitt R., A. L. Lemes Silva, L. C. P. Macedo Soares, M. Mello Petruciao, and A. E. Siegloch. 2020. Influence of microhabitat on diversity and distribution of Ephemeroptera, Plecoptera, and Trichoptera in subtropical forest streams. *Studies on Neotropical Fauna and Environment* 55 (2): 129-138.

- Seixas S. A., J. F. Amato and S. B. Amato. 2020. A new species of *Temnocephala* Blanchard (Platyhelminthes, Temnocephalida) ectosymbiont of *Kempnyia reticulata* (Klapálek) (Insecta, Plecoptera) immatures from Brazil. *Neotropical Helminthology* 9(2): 277-284.
- Serna Lopez J. P., D. S. F. McCann, F. de Jesus Velez Macias and N. J. A. Ramirez. 2020. An image processing method for recognition of four aquatic macroinvertebrates genera in freshwater environments in the Andean region of Colombia. *Environmental Monitoring and Assessment* 192 (10):617-627.
- Shen Y. and Y.-Z. Du. 2020. The complete mitochondrial genome of *Flavoperla biocellata* Chu, 1929 (Plecoptera: Perlidae) and the phylogenetic analyses of Plecoptera. *PeerJ* 8:e8762.
- Sivaruban T., S. Barathy, P. Srinivasan and R. Isack. 2020. Feeding patterns and strategies of Ephemeroptera, Plecoptera and Trichoptera in relation to seasonality, landscape elements and mesohabitats. *Acta Aquatica Turcica* 16 (4):558-570.
- Sivaruban T., S. Barathy, P. Srinivasan, R. Isack and B. Rosi. 2020. Impact of ecological attributes and feeding categorization of Ephemeroptera, Plecoptera and Trichoptera (EPT) insects in Kiliyur falls of Eastern Ghats, India. *Entomon* 45(3):171-180.
- Sivec I. and B. P. Stark. 2020. Systematic notes on *Sinacroneuria* Yang & Yang, 1995 (Plecoptera: Perlidae), with descriptions of two new species from China. *Zootaxa* 4732 (4):580-584.
- Skowron Volponi M. 2020. A vivid orange new genus and species of braconid-mimicking clearwing moth (Lepidoptera: Sesiidae) found puddling on Plecoptera exuviae. *Insects* 11(7): 425.
- South E. J., R. K. Skinner, R. E. DeWalt, B. C. Kondratieff, K. P. Johnson, M. A. Davis, J. J. Lee and R. S. Durfee. 2021. Phylogenomics of the North American Plecoptera. *Systematic Entomology* 46(1):287-305. DOI: 10.1111/syen.12462.
- Souza F. N., R. Mariano, T. Moreira and S. Campiolo. 2020. Influence of the landscape in different scales on the EPT community (Ephemeroptera, Plecoptera and Trichoptera) in an Atlantic Forest Region. *Environmental Monitoring and Assessment* 192 (6):1-12.
- Sroka P. and A. H. Staniczek. 2020. Retention of cervical and abdominal gills in the adult of a new fossil stonefly (Insecta, Plecoptera, Petroperlidae) from mid-Cretaceous Burmese amber. *Cretaceous Research*. 107:104277.
- Su T. and Z.-T. Chen. 2020. A synopsis of *Kiotina* Klapálek, 1907 (Plecoptera: Perlidae) from China, with description of a new species from Zhejiang Province. *Zootaxa* 4786 (4):583-591.
- Taira A. 2019 Aquatic fauna at small streams in Kasuga-yama Primeval Forest, Nara Prefecture, central Japan (1) Aquatic fauna in riffles and records of aquatic insect adults *Biology of Inland Waters* 34: 1-10.
- Teslenko V. A. and D. M. Palatov. 2020. Redescription of the remarkable *Zhiltzovaia amabilis* (Jewett, 1958) comb. nov. (Plecoptera, Perlodidae) based on types and new material from Himalaya and Pamir Mountain systems. *Zootaxa* 4767 (2):295-306.
- Teslenko V. A. and N. M. Yavorskaya. 2020. First report of viviparity of the stoneflies *Capnia khingana* (Plecoptera: Capniidae) in the Low Amur River Basin. *Far Eastern Entomologist* 417:17-24.
- Tischendorf S. 2020. Zur Biografie von Johann Wilhelm Roose, mit Hinweisen zu seinen im 19ten Jahrhundert in der Umgebung von Frankfurt a. M. gesammelten und im "Senckenbergmuseum" aufbewahrten Insekten (Hymenoptera, Lepidoptera, Plecoptera). [On the biography of Johann Wilhelm Roose, with notes on insects he collected in the surroundings of Frankfurt a. M. and preserved in the "Senckenbergmuseum" (Hymenoptera, Lepidoptera, Plecoptera)]. *Mitteilungen des Internationalen Entomologischen Vereins e.V. Frankfurt a. M.* 43 (3-4): 145-169.
- Timoner P., P. Marle, E. Castella and A. Lehmann. 2020. Spatial patterns of mayfly, stonefly and caddisfly assemblages in Swiss running waters in the face of global warming. *Ecography* 43:1-14.

- Trajano de Menezes E., R. Boldrini and M. C. Novaes. 2020. New species of the genus *Macrogynoplax* and new records of *Anacroneuria* (Plecoptera: Perlidae) from Roraima State, Brazil. Zootaxa 4722 (5):463-471.
- Trung H. D. and N. D. Thuan, N. D. (2020). ĐẶC ĐIỂM THÀNH PHẦN LOÀI CỦA BA BỘ CÔN TRÙNG NUỐC (PHÚ DU–EPHEMEROPTERA, CÁNH ÚP–PLECOPTERA, CÁNH LÔNG–TRICHOPTERA) Ở KHU BẢO TỒN THIÊN NHIÊN PHONG ĐIỀN, THÙA THIÊN HUẾ [Characteristics of composition species of three aquatic insect orders in Phong Dien Nature Reserve, Thua Thien Hue Province]. Hue University Journal of Science: Natural Science 129(1A):131-141. (In Vietnamese)
- Tyufekchieva V., Y. Vidinova and V. Evtimova. 2020. Stoneflies (Plecoptera, Insecta) from Sarnena Sredna Gora Mts. Pp. 60-65. In Georgiev, D., D. Bechev and V. Yancheva (eds.). Fauna of Sarnena Sredna Gora Mts, Part 1. ZooNotes, Supplement 9.
- Villar-Argaiz M., M. J. López-Rodríguez and J. M. Tierno de Figueroa. 2020. Positive trends in P accrual across the ontogeny of hemimetabolous macroinvertebrates in a Mediterranean high mountain stream. Aquatic Ecology 54 (4):1185-1200.
- Wang J., T. Tian, M. Zhou, W. Li and J. Cao. 2020. The complete mitochondrial genome of a stonefly species, *Protonemura datongensis* (Plecoptera: Nemouridae) Mitochondrial DNA Part B 5 (2): 2006-2007.
- Wang Y., J. Cao and Z. Liu. 2020. The complete mitochondrial genome analysis of a stonefly, *Acroneuria carolinensis* (Plecoptera: Perlidae). Mitochondrial DNA Part B. 5 (3):2777-2778.
- Wang Y., J. Cao, J. Chen and W. Li. 2020. The mitochondrial genome of the stonefly *Togoperla limbata Pictet* (Plecoptera: Perlidae). Mitochondrial DNA Part B. 5(3):2812-2813.
- Wei X., J. Cao, and F. Kong, and Y. Wang. 2020. The mitochondrial genome analysis of *Sphaeronomoura elephas* (Plecoptera: Nemouridae) from Jiangxi Province of southeastern China. Mitochondrial DNA Part B-Resources 5 (1):1107-1108.
- Wei X., J. Cao, P. Wang, Y. Wang, and W. Li. 2020. The mitochondrial genome analysis of *Paragnetina indentata* (Plecoptera: Perlidae). Mitochondrial DNA Part B 5 (1):44-45.
- Winterbourn M. J., S. R. Pohe and S. J. Goldstien. 2017. Genetic and phenotypic variability in *Stenoperla prasina* (Newman, 1845) (Plecoptera: Eustheniidae) in relation to latitude and altitude in New Zealand. Aquatic Insects 38 (1-2):49-65, DOI: 10.1080/01650424.2017.1302091.
- Wong A. B., V. Chaw and A. H. Fikri. 2020. Land use effects on Ephemeroptera, Plecoptera, and Trichoptera (EPT) communities in Ranau-Beluran District, Sabah, Malaysia. Aquaculture, Aquarium, Conservation & Legislation 13 (4):1812-1819.
- Zhao M.-Y. and Y.-Z. Du. 2020. A new species of *Protonemura* (Plecoptera: Nemouridae) from China and new images of three other species of the genus. Zootaxa 4802 (2):250-260.
- Zhao M.-Y. and Y.-Z. Du. 2020. A new species of *Sphaeronomoura* (Plecoptera: Nemouridae) from China and additions to three other species of the genus. Zootaxa 4851 (3):583-592.
- Zhao M.-Y., Q.-B. Huo and Y.-Z. Du. 2020. Contribution to the knowledge of Chinese *Cerconychia* Klapálek (Plecoptera: Pteronarcyoidea: Styloperlidae) with a new synonym. Zootaxa 4759 (3):427-432.
- Zhao M. Y., Q. B. Huo and Y. Z. Du. 2020. Molecular phylogeny inferred from the mitochondrial genomes of Plecoptera with *Oyamia nigribasis* (Plecoptera: Perlidae) Scientific Reports 10 (1): 1-10.

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Jahr/Year: 2021

Band/Volume: [39](#)

Autor(en)/Author(s): Redaktion

Artikel/Article: [Recent Plecoptera Literature 28-36](#)