



Fig. 7. Per vial timing for accessioning 1,509 vials of the K. W. Stewart Collection.

RECENT PLECOPTERA LITERATURE (CALENDAR YEAR 2015 AND

EARLIER). Papers made available after 1 February 2016 will be included in the next issue. **If papers were missed, please bring these to the attention of the Managing Editor.** Drs. Bill P. Stark, J. M. Tierno de Figueroa, and Peter Zwick are thanked for reviewing and providing additions to this present list.

Abong'o, D.A., S.O. Wandiga, I.O. Jumba, P.J. Brink, B.B. Naziriwo, V.O. Madadi, G.A. Wafula, P. Nkedi-Kizza, and H. Kylin. 2015. Occurrence, abundance and distribution of benthic macroinvertebrates in the Nyando River catchment, Kenya. *South African Journal of Aquatic Science* 40:373-392.

Arai, R., K. Nukazawa, S. Kazama, and Y. Takemon. 2015. Variation in benthic invertebrate abundance along thermal gradients within headwater streams of a temperate basin in Japan. *Hydrobiologia* 762: 55-63.

de Araujo, A.V. and R.S. Peixoto. 2015. The impact of geomorphology and human disturbances on the faunal distributions in Tiquara and Angico Caves of Campo Formoso, Bahia, Brazil. *Ambient Science* 2:25-30.

Aazami, J., A.E. Sari, A. Abdoli, H. Sohrabi and P. J. Van den Brink. 2015. Assessment of ecological quality of the Tajan River in Iran using a Multimetric Macroinvertebrate Index and species traits. *Environmental Management* 56(1):260-269.

Bellingan, T.A., D. J. Woodford, J. Gouws, M. H. Villet, and O.L.F. Weyl. 2015. Rapid bioassessment of the effects of repeated rotenone treatments on invertebrate assemblages in the Rondegat River, South Africa. *African Journal of Aquatic Science* 40(1):89-94.

Bellstedt, R., Apfel, W., Marbach, K., Bährmann, R. & Schulz, H.-J. (2014) Relikte im Kühlschrank – zur Fauna einer Blockhalde im Biosphärenreservat Rhön / Thüringen (Amphibia, Mammalia, Insecta: Collembola, Coleoptera, Diptera) \ Relics in the fridge – the fauna of a basalt block dump in the biosphere reserve "Rhön" (Thuringia) (Amphibia, Mammalia, Insecta: Collembola, Coleoptera, Diptera). - Thüringer Faunistische Abhandlungen 19: 5-25

Benke, A.C. and J.B. Wallace. 2015. High secondary production in a Coastal Plain river is dominated by snag invertebrates fueled mainly by amorphous detritus. *Freshwater Biology* 60:236-255.

Bergey, E.A. and J.T. Cooper. 2015. Shifting effects of rock roughness across a benthic food web. *Hydrobiologia* 760(1):69-79.

Bertaso, T.R.N., M.R.Spies, C.B. Kotzian, and M.L.T. Flores. 2015. Effects of forest conversion on the assemblages' structure of aquatic insects in subtropical regions. *Revista Brasileira de Entomologia* 59:43-49.

Bethoux, O., B. Kondratieff, F. Grímsson, E. Ólafsson, and T. Wappler. 2015. Character state-based taxa erected to accommodate fossil and extant needle stoneflies (Leuctridae - Leuctrida tax.n.) and close relatives. *Systematic Entomology* 40(2):322-341.

Bhowmik, A.K. and R.B. Schaefer. 2015. Large scale relationship between aquatic insect traits and climate. *PLoS ONE* 10(6) DOI: 10.1371/journal.pone.0130025

Booker, D.J., T.H. Snelder, M.J. Greenwood, and S.K. Crow. 2015. Relationships between invertebrate communities and both hydrological regime and other environmental factors across New Zealand's rivers. *Ecohydrology* 8(1):13-32.

Bottorff, R.L. and R.W. Baumann. 2015. *Sierracapnia*, a new genus of Capniidae (Plecoptera) from western North America. *Illiesia*, 11(09):104-125.

Boumans, L. and A. Johnsen. 2015. Stonefly duets: Vibrational sexual mimicry can explain complex patterns. *Journal of Ethology* 33(2):87-107.

Brand, C., and M.L. Miserendino. 2015. Testing the performance of macroinvertebrate metrics as indicators of changes in biodiversity after pasture conversion in Patagonian mountain streams. *Water Air and Soil Pollution* 226:370 DOI 10.1007/s11270-015-2633x

Chen, Z-T. and Y.Z. Du. 2015. The first record of a species of Perlidae from Jiangsu Province, China: A new species of *Neoperla* (Plecoptera: Perlidae). *Zootaxa* 3974:424-430.

- Chen, Z-T. and Y.Z. Du. 2015. A new species of *Suwallia* (Plecoptera: Chloroperlidae) from China. *Zootaxa* 4018 (2):297–300.
- Chen, Z-T. and Y.Z. Du. 2015. Comparison of the complete mitochondrial genome of the stonefly *Sweltsa longistyla* (Plecoptera: Chloroperlidae) with mitogenomes of three other stoneflies. *Gene* 558:82-87.
- Clements, W.H., R.G. Stah, Jr., and R.C. Landis. 2015. Ecological effects of biochar on the structure and function of stream benthic communities. *Environmental Science & Technology* 49:14649-14654.
- Correa-Araneda, F., L. Boyero, R. Figueroa, C. Sanchez, R. Abdala, A. Ruiz-Garcia and M.A.S. Graca. 2015. Joint effects of climate warming and exotic litter (*Eucalyptus globulus* Labill.) on stream detritivore fitness and litter breakdown. *Aquatic Sciences* 77(2):197-205.
- Cui, Y., O. Bethoux, B. Kondratieff, Y. Liu and D. Ren. 2015. *Sinosharaperla zhaoi* (Insecta: Plecoptera; early Cretaceous), a Gondwanian element in the northern hemisphere, or just a misplaced species. *Journal of Systematic Palaeontology* 13(10):883-889.
- Dallas, H.F. and V. Ross-Gillespie. 2015. Sublethal effects of temperature on freshwater organisms, with special reference to aquatic insects. *Water SA* 41:712-726.
- DeWalt, R.E. and E.J. South. 2015. Ephemeroptera, Plecoptera, and Trichoptera on Isle Royale National Park, USA, compared to mainland species pool and size distribution. *Zookeys* 532:137-158.
- DeWalt, R.E., B.C. Kondratieff and J.B. Sandberg. 2015. Order Plecoptera. Pp. 933-949. *In: Ecology and Classification of North American Freshwater Invertebrates*, Third Edition, James H. Thorp and A. P. Covich, eds. Elsevier, Netherlands.
- Di Prinzio, C.Y., G. Omad, M.L. Miserendino, and R. Casaux. 2015. Selective foraging by non-native rainbow trout on invertebrates in Patagonian streams in Argentina. *Zoological Studies* 54:29. doi:10.1186/s40555-015-0108-9
- Do Amaral, M., P. Henrique, L.S. Da Silveira, B. Jabour Vescovi Rosa, V.C. De Oliveira and R.D.G. Alves. 2015. Influence of habitat and land use on the assemblages of Ephemeroptera, Plecoptera and Trichoptera in Neotropical streams. *Journal of Insect Science* 15 pii: 60. doi: 10.1093/jisesa/iev042
- Doll, B.A., G.D. Jennings, J. Spooner, D.L. Penrose and J.L. Usset. 2015. Evaluating the eco-geomorphological condition of restored streams using visual assessment and macroinvertebrate metrics. *Journal of the American Water Resources Association* 51:68-83.

- Dolph, C.L., S.L. Eggert, J. Magner, L.C. Ferrington and B. Vondracek. 2015. Reach-scale stream restoration in agricultural streams of southern Minnesota alters structural and functional responses of macroinvertebrates. *Freshwater Science* 34(2):535-546.
- Du, Y.Z., X.Y. Ji and Z.J. Wang. 2015. Description of three new Chinese species of the genus *Mesonemoura* (Plecoptera: Nemouridae). *Florida Entomologist* 98(1):130-134.
- Elbrecht, V. and F. Lesse. 2015. Can DNA-based ecosystem assessments quantify species abundance? Testing primer bias and biomass—sequence relationships with an innovative metabarcoding protocol. *Plos One* DOI: 10.1371/journal.pone.0130324
- Elbrecht, V., L. Poettker, J. Uwe and F. Leese. 2015. The complete mitochondrial genome of the stonefly *Dinocras cephalotes* (Plecoptera, Perlidae). *Mitochondrial DNA* 26(3):469-470.
- Ferreira Ribeiro, J.M. and I. De Sousa Gorayeb. 2015. Description of immatures associated with adults of two species of *Macrogynoplax* Enderlein and one species of *Enderleina* Jewett (Plecoptera: Perlidae) of the Brazilian Amazon. *Zootaxa* 3948(1):109-124.
- Fenoglio, S. T., Bo, M. Cammarata, M.J. López-Rodríguez, J.M. Tierno de Figueroa. 2015. Seasonal variation of allochthonous and autochthonous energy inputs in an alpine stream. *Journal of Limnology* 74:272-277
- Ferreira-Ribeiro, J.M., I.S. Gorayeb and P.C. Bispo. 2015. Description of the nymph of *Anacroneuria singularis* Righi-Cavallaro & Lecci (Plecoptera: Perlidae) and a new locality record for northern Brazil. *Zootaxa* 4057:295-300.
- Fierro, P., C. Bertrán, M. Mercado, F. Peña-Cortés, J. Tapia, E. Hauenstein, L. Caputo and L. Vargas-Chacoff. 2015. Landscape composition as a determinant of diversity and functional feeding groups of aquatic macroinvertebrates in southern rivers of the Araucania, Chile. *Latin American Journal of Aquatic Research* 43(1):186-200.
- Froehlich, G. C. 2015. Taxonomic notes on *Guaranyperla* (Plecoptera: Gripopterygidae). *Illiesia* 11(14):175-178.
- Gaede, G and H.G. Marco. 2015. The decapod red pigment-concentrating hormone (Panbo-RPCH) is the first identified neuropeptide of the order Plecoptera and is interpreted as homoplastic character state. *General and Comparative Endocrinology* 221:228-235.
- Gamboa, M. and J. Arrivillaga. 2010. Analisis morfométrico de cuatro especies simpátridas del genero *Anacroneuria* (Plecoptera: Perlidae). *Limnetica* 29: 247-256.
- Gamboa, M. and M.T. Monaghan. 2015. Association of adult female and male stoneflies (Plecoptera) from an Alpine river using wing morphometrics and mitochondrial DNA. *Aquatic Insects* (2014), 56(1):1-8.

- Geray, D., A. Ricardo and D. Milano. 2015. Experimental assessment of predation by native and exotic fish on stream invertebrates in northern Patagonia. *Limnologia* 51:24-31.
- Gichana, Z., M. Njiru, P.O. Raburu and F.O. Masese. 2015. Effects of human activities on benthic macroinvertebrate community composition and water quality in the upper catchment of the Mara River Basin, Kenya. *Lakes & Reservoirs Research and Management* 20(2):128-137.
- Giersch, J.J., S. Jordan, G. Luikart, L.A. Jones, F.R. Hauer and C.C. Muhlfield. 2015. Climate-induced range contraction of a rare alpine aquatic invertebrate. *Freshwater Science* 34:53-65.
- Gies, M., M. Sondermann, D. Hering and C.K. Feld. 2015. A comparison of modelled and actual distributions of eleven benthic macroinvertebrate species in a central European mountain catchment. *Hydrobiologia* 758(1):123-140.
- Gies, M., M. Sondermann, D. Hering and C.K. Feld. 2015. Are species distribution models based on broad-scale environmental variables transferable across adjacent watersheds? A case study with eleven macroinvertebrate species. *Fundamental and Applied Limnology* 186(1-2):63-97.
- Gill, B.A., J.B. Sandberg and B.C. Kondratieff. 2015. Evaluation of the morphological species concepts of 16 western Nearctic *Isoperla* species (Plecoptera: Perlodidae) and their respective species groups using DNA barcoding. *Illiesia* 11(11):130-146.
- Gill, B.A., B. C. Kondratieff, B.P. Stark and J.B. Sandberg. 2015. The banded-wing *Moselia infuscata* (Claassen) phenotype from California and Oregon, USA (Plecoptera: Leuctridae). *Zootaxa* 3911(4):593-597.
- Gimenez, B.C.G., F.A. Lansac-Toha and J. Higuti. 2015. Effect of land use on the composition, diversity and abundance of insects drifting in Neotropical streams. *Brazilian Journal of Biology* 75:S52-S59.
- Grohmann, C., M.J. Henze, T. Nørgaard and S.N.Gorb. 2015. Two functional types of attachment pads on a single foot in the Namibia bush cricket *Acanthoproctus diadematus* (Orthoptera: Tettigoniidae). *Proceedings of the Royal Society B-Biological Sciences* 282:1809 DOI: 10.1098/rspb.2014.2976
- Grubbs, S.A. 2015. *Leuctra schusteri*, a new stonefly species (Plecoptera: Leuctridae) of the *L. tenuis* (Pictet) group from the southeastern USA. *Illiesia* 11(12):147-166.
- Grubbs, S.A., R.W. Baumann and A.L. Sheldon. 2015. A review of eastern Nearctic *Zapada* (Plecoptera, Nemouridae) with a new species from the Great Smoky Mountains. *Freshwater Science* 34:1312-1323.

Gutierrez-Fonseca, P.E. 2015. Three new species of *Anacroneuria* Klapálek (Plecoptera: Perlidae) from Panama. *Zootaxa* 3957(1):69-76.

Gutierrez-Fonseca, P.E. and M. Springer. 2015. A new species of *Anacroneuria* Klapálek 1909 (Plecoptera: Perlidae) and notes on the altitudinal distribution of the genus in Costa Rica. *Zootaxa* 4058:595-600.

Gutierrez-Fonseca, P.E., A. Alonso-Rodriguez, A. Cornejo, A.C. Bailey, J-M. Maes, and A. Ramirez. 2015. New records of *Anacroneuria* Klapálek, 1909 (Plecoptera: Perlidae) for Central America. *Zootaxa* 3994(3):445-448.

Harding, J.S. and P.G. Jellyman. 2015. Earthquakes, catastrophic sediment additions and response of urban stream communities. *New Zealand Journal of Marine and Freshwater Research* 49:346-355.

Heino, J., A.S. Melo, L.M. Bini, F. Altermatt, S.A. Al-Shami, D.G. Angeler, N. Bonada, C. Brand, M. Callisto, A.C. Encalada, E. Göthe, M. Grönroos, N. Hamada, D. Jacobsen, R.T. Martins, M.L. Miserendino, M.R.C. Salmah, M. Rodrigues, F.) Roque, L. Sandin, D. Schmera, J. P. Simaika, T. Siqueira, R. M. Thompson, K. Cottenie, O. Dangles, D. Dudgeon, V.L. Landeiro, R. Liqueiro, L.F. Sqarbi, C.R. Townsend 2015. A comparative analysis reveals weak relationships between ecological factors and beta diversity of stream insect metacommunities at two spatial levels. *Ecology and Evolution* 5(6):1235-1248.

HersHKovitz, Y., V. Dahm, A.W. Lorenz and D. Hering. 2015. A multi-trait approach for the identification and protection of European freshwater species that are potentially vulnerable to the impacts of climate change. *Ecological Indicators* 50:150-160.

Holmquist, J.G., J. Schmidt-Gengenbach, and J.W. Roche. 2015. Stream macroinvertebrates and habitat below and above two wilderness fords used by mules, horses, and hikers in Yosemite National Park. *Western North American Naturalist* 75:311-324.

Horsák, M., V. Rádková, V. Syrovátka, J. Bojková, V. Křoupalová, J. Schenková, and J. Zajacová. 2015. Drivers of aquatic macroinvertebrate richness in spring fens in relation to habitat specialization and dispersal mode. *Journal of Biogeography* 42:2112-2121.

Huang, M., Y. Wang, X. Lui, W. Li, Z. Kong, K. Wang, X. Li and D. Yang. 2015. The complete mitochondrial genome and its remarkable secondary structure for a stonefly *Acroneuria hainana* Wu (Insecta: Plecoptera, Perlidae). *Gene* 557(1):52-60.

Hwang, J.M. and D Murányi. Checklist of the Korean Plecoptera. *Entomological Research Bulletin* 31(2): 120-125.

- Inoue, Y., C. Komori, T. Kobayashi, N. Kondo, R. Ueno and K. Takamura. 2015. *Nanocladius (Plecopteracoluthus) shigaensis* sp. nov. (Chironomidae: Orthocladiinae) whose larvae are phoretic on nymphs of stoneflies (Plecoptera) from Japan. *Zootaxa* 3931:551-567.
- Jackson, K.E., M.R. Whiles, W.K. Dodds, J.D. Reeve, J.M. Vandermyde and H.M. Rantala. 2015. Patch-burn grazing effects on the ecological integrity of tallgrass prairie streams. *Journal of Environmental Quality* 44: 1148-1159.
- Joseph, G.J., S. Jordan, G. Luikart, L.A. Jones, H.F. Richard, C.C. Muhlfield. 2015. Climate-induced range contraction of a rare alpine aquatic invertebrate. *Freshwater Science* 34(1):53-65.
- Kaulfuss, U., D.E. Lee, B.I.P. Barratt, R.A.B. Leschen, M-C. Larivière, G.M Dlussky, I.M. Henderson and A.C. Harris. 2015. A diverse fossil terrestrial arthropod fauna from New Zealand: Evidence from the early Miocene Foulden Maar fossil lagerstätte. *Lethaia* 48(3):299-308.
- Khamis, K., L.E. Brown, D.M. Hannah and A.M. Milner. 2015. Experimental evidence that predator range expansion modifies alpine stream community structure. *Freshwater Science* 34(1):66-80.
- Kibichii, S., H.B. Feeley, J.R. Baars, and M. Kelly-Quinn. 2015. The influence of water quality on hyporheic invertebrate communities in agricultural catchments. *Marine and Freshwater Research* 66:805-814.
- Knispel, S. and V. Lubini. 2015. Assessing the stability of stonefly (Plecoptera) biodiversity in the Swiss National Park. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft* 88:257-271.
- Krno, I., J. Cicekova, and A. Rufusova. 2015. Microdistribution of stoneflies of the High Tatra montane streams. *Open Life Sciences* 10:237-248.
- Krno, I., T. Lanczos and F. Sporka. 2015. Windstorm disturbance effects on mountain stream ecosystems and the Plecoptera assemblages. *Biologia* 70:1215-1227.
- Kuchapski, K.A. and J.B. Rasmussen. 2015. Surface coal mining influences on macroinvertebrate assemblages in streams of the Canadian Rocky Mountains. *Environmental Toxicology and Chemistry* 34(9):2138-2148.
- Lakew, A. and O. Moog. 2015. A multimetric index based on benthic macroinvertebrates for assessing the ecological status of streams and rivers in central and southeast highlands of Ethiopia. *Hydrobiologia* 751(1):229-242.

- Laursen, S.K., L. Hamerlik, K. Moltesen, K.S. Christoffersen and D. Jacobsen. 2015. Diversity and composition of macroinvertebrate assemblages in high-altitude Tibetan streams. *Inland Waters* 5(3):263-274.
- Li, W. and D. Muranyi. 2015. A remarkable new genus of Perlodinae (Plecoptera: Perlodidae) from China, with remarks on the Asian distribution of Perlodinae and questions about its tribal concept. *Zoologischer Anzeiger* 259: 41-53.
- Li, W., D. Murányi, and L. Shi. 2015. The first record of genus *Suwallia* Ricker 1943 (Plecoptera: Chloroperlidae) from China. *Illiesia* 11(3):23-28.
- Li, W., D. Murányi, and L. Shan. 2015. New species records of *Suwallia* Ricker, 1943 (Plecoptera: Chloroperlidae) from China, with description of the nymph of *S. decolorata* Zhiltzova & Levanidova, 1978. *Zootaxa* 3994:556-564.
- Li, F.Q., J.M. Tierno de Figueroa, S. Lek and Y.S. Park. 2015. Continental drift and climate change drive instability in insect assemblages. *Scientific Reports* 5: 11343 doi:10.1038/srep11343
- Madsen, P.B., A. Morabowen, P. Andino, R. Espinosa, S. Cauvy-Fraunie, O. Dangles and D. Jacobsen. 2015. Altitudinal distribution limits of aquatic macroinvertebrates: An experimental test in a tropical alpine stream. *Ecological Entomology* 40(5):629-638.
- Mahan, C.G., J.A. Young, B.J. Miller and M.C. Saunders. 2015. Using ecological indicators and a decision support system for integrated ecological assessment at two national park units in the mid-Atlantic region, USA. *Environmental Management* 55:508-522.
- Majdi, N., W. Traunspurger, J.S. Richardson and A. Lecerf. 2015. Small stonefly predators affect microbenthic and meiobenthic communities in stream leaf packs. *Freshwater Biology* 60(9):1930-1943.
- Mason, D. and B.P. Stark. 2015. Notes on the genus *Phanoperla* Banks from Sri Lanka and India (Plecoptera: Perlidae). *Illiesia* 11(04):29-40.
- Matsumura, Y., B. Wipfler, H. Pohl, R. Dallai, R. Machida, Y. Mashimo, J.T. Câmara, J.A. Rafael and R.G. Beutel. 2015. Cephalic anatomy of *Zorotypus weidneri* New, 1978: new evidence for a placement of Zoraptera. *Arthropod Systematics and Phylogeny* 73:85-105.
- Mauad, M., M.L. Miserendino, M.A. Risso, and J. Massaferró. 2015. Assessing the performance of macroinvertebrate metrics in the Challhuaco-Nireco System (northern Patagonia, Argentina). *Iheringia Serie Zoologia* 105:348-358.
- Michalik, A., E. Rosciszewska and M. Milisa. 2015. The structure and ultrastructure of the egg capsule of *Brachyptera risi* (Plecoptera, Nemouroidea, Taeniopterygidae) with

some remarks concerning choriogenesis. *Microscopy Research and Technique* 78(2):180-186.

Monteiro do Amaral, P.H., L.S. da Silveira, B.F.J. Vescovi Rosa, V.C. de Oliveira, and R. da Gama Alves. 2015. Influence of habitat and land use on the assemblages of Ephemeroptera, Plecoptera, and Trichoptera in Neotropical streams. *Journal of Insect Science* 15:60. DOI: <http://dx.doi.org/10.1093/jisesa/iev042>

Moroz, M. and T. Lipinskaya. 2015. Check-list of the stoneflies of Belarus (Insecta, Plecoptera), *Lauterbornia* 79: 89-96.

Müller, R., L. Hendrich and J. Schönfelder. 2015. Bemerkenswerte Makrozoobenthosfunde in einem renaturierten Abschnitt der mittleren Spree mit Erstnachweis von *Leuctra geniculata* (Stephens, 1836) (Plecoptera, Leuctridae) für Brandenburg. (Remarkable findings of macroinvertebrates in a renaturated section of the river Spree with first record of *Leuctra geniculata* (Stephens, 1836) (Plecoptera, Leuctridae) for Brandenburg/Germany). *Lauterbornia* 79: 75-83. (In German)

Murányi, D. and J. M. Hwang. 2015. Just like birdwatching: The first record of *Megaperlodes tiunovi* Teslenko 2015 (Plecoptera: Perlodidae) from Korea. *Illiesia* 11(10): 126-129.

Murányi, D. and T. Kovács. 2015. Review and contribution to the Plecoptera fauna of Sălaj County, Romania. *Studia Universitatis Vasile Goldis Arad* 25(4):255-258.

Murányi, D. and W.H. Li. 2015. Klapálek's *Kamimuria* (Plecoptera: Perlidae) types in the National Museum Prague. *Opuscula Zoologica Budapest* 46(2): 159–175.

Murányi, D., W.H. Li and D. Yang. 2015. A new genus and species of winter stoneflies (Plecoptera: Capniidae) from southwest China, with a commented checklist of the family in the Oriental Realm. *Zootaxa* 4059:371-382.

Murányi, D., J.M. Hwang, M.J. Jeon and H.Y. Seo. 2015. New species records of systellognathan stoneflies (Plecoptera: Systellognatha) for the fauna of the Korean Peninsula. *Opuscula Zoologica, Budapest* 48: 1-9.

Murányi, D., W.H. Li, M. J. Jeon, J. M. Hwang, and H. Y. Seo. 2015. Korean species of the genus *Neoperla* Needham, 1905 (Plecoptera: Perlidae). *Zootaxa* 3918: 113-127.

Múrria, C., A.T. Rugenski, M.R. Whiles, A.P. Vogler. 2015. Long-term isolation and endemism of Neotropical aquatic insects limit the community responses to recent amphibian decline. *Diversity and Distributions* 21(8):938-949.

Mynott, J.H. 2015. Mitochondrial DNA allows the association of life stages to facilitate species recognition and delimitation in Australian stoneflies (Plecoptera: Gripopterygidae: *Newmanoperla*). *Invertebrate Systematics* 29(3):223-238.

Nakagawa, H. and Y. Takemon. 2015. Length-mass relationships of macro-invertebrates in a freshwater stream in Japan. *Aquatic Insects* (2014) 56(1):53-61.

Narangarvuu, D., J. Oyunbileg, P.S. Yang and B. Boldgiv. 2015. Distribution of Ephemeroptera, Plecoptera, and Trichoptera assemblages in relation to environmental variables in headwater streams of Mongolia. *Environmental Earth Sciences* 73:835-847.

Omad, G.H., P. Pessacq and L.B. Epele. 2015. Spatial distribution, feeding and length-mass relationships of *Diamphipnopsis samali* (Plecoptera, Diamphipnoidae) in a North Patagonia Andean stream, Argentina. *Revista del la Sociedad Entomológica Argentina* 74(1-2):27-35.

Pessacq, P. and P.A. de Marcela. 2015. Description of the last instar of *Anacroneuria tucuman* Stark (Plecoptera: Perlidae) from northern Argentina. *Zootaxa* 4033:270-274.

Phillipsen, I.C., E.H. Kirk, M.T. Bogan, M.C. Mims, J.D. Olden and D.A. Lytle. 2015. Dispersal ability and habitats requirements determine landscape-level genetic patterns in desert aquatic insects. *Molecular Ecology* 24:54-69.

Polak, J., D. Leßmann & M. Hohmann. 2015. Wiederfund von *Xanthoperla apicalis* (Plecoptera: Chloroperlidae) in der Spree bei Cottbus (Brandenburg) / Rediscovery of *Xanthoperla apicalis* (Plecoptera: Chloroperlidae) in river Spree near Cottbus (Brandenburg/Germany). *Lauterbornia* 80: 121-125. (in German)

Poteat, M.D., L.M. Jacobus and D.B. Buchwalter. 2015. The importance of retaining a phylogenetic perspective in traits-based community analyses. *Freshwater Biology* 60(7):1330-1339.

Prater, C., E.J. Norman, and M. A. Evans-White. 2015. Relationships among nutrient enrichment, detritus quality and quantity, and large-bodied shredding insect community structure. *Hydrobiologia* 753(1):219-232.

Di Prinzio, Y.D., G. Omad, M.L. Miserendino, and R. Casaux. 2015. Selective foraging by non-native rainbow trout on invertebrates in Patagonian streams in Argentina. *Zoological Studies* 54:29. doi:10.1186/s40555-015-0108-9

Prommi, T. and A. Payakka. 2015. Aquatic insect biodiversity and water quality parameters of streams in northern Thailand. *Sains Malaysiana* 44(5):707-717.

Rezende, R.S., G.F.M. Leite, A.K.S. De-Lima, L.A.B. Da Silva Filho, C.C. Chaves, A.C.H. Prette, J.S Freitas and J.F.G. Júnior. 2015. Effects of density and predation risk on leaf litter processing by *Phylloicus* sp. *Austral Ecology* 40:693–700.

Rico, A. and P.J. Van den Brink. 2015. Evaluating aquatic invertebrate vulnerability to insecticides based on intrinsic sensitivity, biological traits, and toxic mode of action. *Environmental Toxicology and Chemistry* 34(8):1907-1917.

Roos, P. 2015. Wiederfund von *Protonemura nimborum* (Ris, 1902) (Insecta: Plecoptera) in Baden-Württemberg. (Rediscovery of *Protonemura nimborum* (Ris, 1902) (Insecta: Plecoptera) in Baden-Württemberg). *Lauterbornia* 79: 85-88. (In German)

Rupprecht, R. 2015. Sichere Unterscheidungsmerkmale für *Dinocras* und *Perla* (Plecoptera: Perlidae). (Distinct characters for the discrimination of *Dinocras* und *Perla* (Plecoptera: Perlidae)). *Lauterbornia* 79: 97-99. (In German)

Rupprecht, R. 2015. Drumming signals within the family Taeniopterygidae (Plecoptera). *Aquatic Insects* 36(3-4): 201-229.

Salarzadeh, A. and S. Khosravani. 2015. Evaluation of bio-indicators of River Haji Abad using aquatic insects fauna. *Journal of Biodiversity and Environmental Sciences* 7(2):223-232.

Sanchez, G.M., A.P. Neiadhashemi, Z. Zhang, S. Marquart-Pyatt, G. Habron and A. Shortridge. 2015. Linking watershed-scale stream health and socioeconomic indicators with spatial clustering and structural equation modeling. *Environmental Modelling and Software* 70:113-127.

Sandberg, J.B., L.E. Serpa and E.F. Drake. 2015. The drumming signals of three winter stonefly species (Capniidae, Leuctridae: Plecoptera); with discussion resolving two common interval patterns. *Illiesia*, 11(06):51-74.

Sandberg, J., B.C. Kondratieff and C. Verdone. 2015. Descriptions of the adult male and female genitalia of the genus *Osobenus* Ricker (Plecoptera: Perlodidae). *Illiesia* 11(1):1-7.

Schiffels, S and K. Enting. 2015. *Taeniopteryx schoenemundi* (Mertens, 1923) (Insecta: Plecoptera) in Nordrhein-Westfalen wiedergefunden/ Rediscovery of *Taeniopteryx schoenemundi* (Mertens, 1923) (Insecta: Plecoptera) in Northrhine-Westphalia. *Lauterbornia* 80: 115-119. (In German)

Scott, C.G. and S.B. McCord. 2015. Stability of environmental reference conditions as indicated by stream macroinvertebrate communities: A case study in the central United States. *Journal of Freshwater Ecology* 30(2):263-279.

Serra, S.R., A.R. Calapez, A. Pérez-Bilbao and M.J. Feio. 2015. Adjusting the effect of seasonal variability in the bioassessment of streams. *Environmental Monitoring and Assessment* 187(1):4107. DOI 10.1007/s10661-014-4107-9

da Silva, M.V.D., B.F.J.V. Rosa, and R.G. Alves. 2015. Effect of mesohabitats on responses of invertebrate community structure in streams under different land uses. *Environmental Monitoring and Assessment* 187(11):714. doi: 10.1007/s10661-015-4926-3

Shah, D.N., J.D. Tonkin, P. Haase, and S.C. Jähnig. 2015. Latitudinal patterns and large-scale environmental determinants of stream insect richness across Europe. *Limnologia* 55:33-43.

Shaw, R.F., P.J. Johnson, D.W. McDonald and R.E. Feber. 2015. Enhancing the biodiversity of ditches in intensively managed UK farmland. *PLOS ONE* 10: DOI: 0.1371/journal.pone.0138306

Siqueira, T., C.G.-L.T. Lacerda and V.S. Saito. 2015. How does landscape modification induce biological homogenization in tropical stream metacommunities. *Biotropica* 47(4):509-516.

Smith, R.F., V.P. Dilip, M.E. Baker and W.O. Lamp. 2015. Habitat filtering and adult dispersal determine the taxonomic composition of stream insects in an urbanizing landscape. *Freshwater Biology* 60(9):1740-1754.

Snart, C.J., I.C. Hardy, and D.A. Barrett. 2015. Entometabolomics: Applications of modern analytical techniques to insect studies. *Entomologia Experimentalis et Applicata* 155(1):1-17.

Sondermann, M., M. Gies D. Hering, M. Schroeder, and C.K. Feld. 2015. Modelling the effect of in-stream and terrestrial barriers on the dispersal of aquatic insect species: A case study from a central European mountain catchment. *Fundamental and Applied Limnology* 186(1-2):99-115.

Sproul, J.S., D.D. Houston, C.R. Nelson, R.P. Evans, K.A. Crandall and S.K. Shiozawa. 2015. Climate oscillations, glacial refugia, and dispersal ability: factors influencing genetic structure of the least salmonfly, *Pteronarcella badia* (Plecoptera), in western North America. *BMC Evolutionary Biology* 15:279 DOI 10.1186/s12862-015-0553-4

Stark, B.P. 2014. Records of Mesoamerican *Anacroneuria* (Plecoptera: Perlidae), with descriptions of four new species. *Illiesia* 10(02):6-16.

Stark, B.P. and I. Sivec. 2015. New species and records of *Neoperla* (Plecoptera: Perlidae) from India. *Illiesia* 11(7):75-91.

Stark, B. P., B. C. Kondratieff and C. J. Verdone. *Kathroperla siskiyou*, a new stonefly species from California and Oregon, U.S.A. (Plecoptera: Chloroperlidae). *Illiesia* 11(08):92-103.

Stark, B.P., B.C. Kondratieff, J.B. Sandberg, B.A. Gill, C.J. Verdone and A.B. Harrison. 2015. *Sierraperla* Jewett, 1954 (Plecoptera: Peltoperlidae), distribution, egg morphology and description of a new species. *Illiesia* 11(2):8-22.

- Stenroth, K. L.E. Polvi, F. Emma and J. Micael. 2015. Land-use effects on terrestrial consumers through changed size structure of aquatic insects. *Freshwater Biology* 60(1):136-49.
- Szczytko, S.W. & B.C. Kondratieff. 2015. A review of the eastern Nearctic Isoperlinae (Plecoptera: Perlodidae) with the description of twenty-two new species. *Monographs of Illiesia*, Number 1:1-289.
- Szczytko, S.W. & B.C. Kondratieff. 2015. Photographic atlas of the eastern Nearctic Isoperlinae (Plecoptera: Perlodidae) species. *Monographs of Illiesia*, Number 2: 1-124.
- Tarter, D.C., D.L. Chaffee, S.A. Grubbs and R.E. DeWalt New state records of Kentucky (USA) stoneflies (Plecoptera). *Illiesia* 11(13):167-174.
- Tchakonté, S., G.A. Ajeegah, A.I. Camara, D. Diomande, N.L.N. Tchatcho and P. Ngassam. 2015. Impact of urbanization on aquatic insect assemblages in the coastal zone of Cameroon: The use of biotraits and indicator taxa to assess environmental pollution. *Hydrobiologia* 755(1):123-144.
- Teslenko, V.A. 2015. Life cycles and production of three predatory stonefly species (Plecoptera, Insecta) in the Kedrovaya River (Southern Primorye). *Zoologicheskii Zhurnal* 94(2):176-187.
- Teslenko, V.A. 2015. A new species of *Nemoura* (Plecoptera: Nemouridae) from South of the Russian Far East. *Zootaxa* 4000(1):131-136.
- Teslenko, V.A. 2015. A new species of *Amphinemura* (Plecoptera: Nemouridae) from the south of the Russian Far East. *Zootaxa* 3914(1):97-100.
- Teslenko, V.A. 2015. A new species of *Megaperlodes* Yokoyama et al. 1990 (Plecoptera Perlodidae) from the south of the Russian Far East. *Zootaxa* 3904(4):553-562.
- Tonkin, J.D., D.N. Shah, M. Kuemmerlen, F. Li, Q. Cai, P. Haase and S.C. Jähnig. 2015. Climatic and catchment-scale predictors of Chinese stream insect richness differ between taxonomic groups. *PLoS ONE* 10(4):1. DOI: 10.1371/journal.pone.0123250
- Tsagajeva, S. K. and V.O. Bjasov. 2013. To the overview of amphibiotic insects of River Tagadon (Basin River Dur-Dur). Pp. 124-126. *In: Problems of Aquatic Entomology in Russia. Materials X(2) of the Trichopterological Symposium. Ministry of Education and Science of the Russian Federation, Vladikavkas, 137 pp. [in Russian].*
- Uieda, V.S. and E.M. Carvalho. 2015. Experimental manipulation of leaf litter colonization by aquatic invertebrate in third order tropical stream. *Brazilian Journal of Biology* 75:405-413.

- Valle, L.G. and J.M. Tierno de Figueroa. 2015. Does nutritional behavior affect gut endosymbiont prevalence? The case of *Paramoebidium avitruviense* (Mesomycetozoa) with *Siphonaperla torrentium* (Plecoptera) nymphs. *Limnologica* 54:54-58.
- Vasco, E. and F. Leese. 2015. Can DNA-based ecosystem assessments quantify species abundance? testing primer bias and biomass-sequence relationships with an innovative metabarcoding protocol. *PLOS ONE* DOI: 10.1371/journal.pone.0130324
- Vinçon, G., A. Dia, and I. Sivec. 2014. A new stonefly from Lebanon, *Leuctra cedrus* sp. n. (Plecoptera: Leuctridae). *Illiesia*, 10(01):1-5.
- Wang, J., Q. Zhou, C. Xie, H. Li, H. Adak and L. Cai. 2015. Health assessment of Irtys River in Xinjiang Uygur Autonomous Region, northwest China, based on benthic-index of biotic integrity (B-IBI). *Huanjing Kexue Yanjiu* 28(6):959-966.
- Wilkins, P.M., Y. Cao, E.J. Heske and J.M. Levenson. 2015. Influence of a forest preserve on aquatic macroinvertebrates, habitat quality, and water quality in an urban stream. *Urban Ecosystems* 18(3):989-1006.
- Wilson, M.J., M.E. McTammany, M.D. Bilger, S.P. Reese, and B.R. Hayes. 2015. Combining data from multiple agencies to assess benthic macroinvertebrate communities in a large gravel-bed river. *Freshwater Science* 34(2):593-605.
- Wolf, B. and T. Widdig. 2015. Rote Liste der Steinfliegen (Plecoptera) Hessens. 2. Fassung (Stand 1. 8. 2013). Hessisches Ministerium für Umwelt, Klimaschutz, Landwirtschaft und Verbraucherschutz, Wiesbaden, 38 pp. (In German)
- Wolf, B. and P. Zwick. 2015. Hessische Belege heute ausgestorbener Steinfliegen (Plecoptera) in der Sammlung des Senckenberg museums Frankfurt (Hessen). (Hessian specimens of meanwhile extinct stoneflies (Plecoptera) in the Collection of the Senckenberg Natural History Museum Frankfurt (Hesse), Germany). *Lauterbornia* 79: 101-105. (In German)
- Worthington, T.A., P.J. Shaw, J.R. Daffern and T.E.L Langford. 2015. The effects of a thermal discharge on the macroinvertebrate community of a large British river: Implications for climate change. *Hydrobiologia* 753:81-95.
- Woznicki, S.A., A.P. Nejadhashemi, D.M. Ross, Z. Zhang, L. Wang and A.H. Esfahanian. 2015. Ecohydrological model parameter selection for stream health evaluation. *Science of the Total Environment* 511:341-353.
- Yasick, A.L., R.A. Krebs and J.A. Wolin. 2015. Colonization of Lake Erie tributaries by *Allocapnia recta* (Capniidae). *Illiesia* 11(5):41-50.
- Yoko M., B. Wipfler, H. Pohl, R. Dallai, R. Machida, Y. Mashimo, J.T. Câmara, J.A. Rafael and R.G.Beutel. 2015. Cephalic anatomy of *Zorotypus weidneri* New, 1978: New

evidence for a placement of Zoraptera. *Arthropod Systematics and Phylogeny* 73(1):85-105.

Zaiha, N.A., M.I.M. Said and S. Salmiati. 2015. Temporal distribution of benthic macroinvertebrate communities from topical forest stream in Gunung Pulai Recreational Forest, Johor, Peninsular Malaysia. *Sains Malaysiana* 44:1223-1228.

Zhiltzova, L. A. and S. K. Cherchesova. 2013. To the knowledge of stoneflies (Plecoptera) of the Caucasus. Pp. 71-82. *In: Problems of Aquatic Entomology in Russia. Materials X(2) of the Trichopterological Symposium. Ministry of Education and Science of the Russian Federation, Vladikavkas, 137 pp. [in Russian].*

Zwick, P. 2015. Notes on Madagascan stoneflies (Plecoptera: Notonemouridae) *Zootaxa* 4059:169-180.

Zwick, P. 2015. Plecoptera - Steinfliegen. - Plates 91-95 in Köhler, G. (Hrsg.): Müller/Bährmann, *Bestimmung wirbelloser Tiere. Bildtafeln für zoologische Bestimmungsübungen und Exkursionen. 7. Aufl., XVI + 396 pp., Springer Spektrum, Springer Verlag, Berlin Heidelberg. ISBN 978-3-642-55394-3. (In German)*

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Perla](#)

Jahr/Year: 2016

Band/Volume: [34](#)

Autor(en)/Author(s): Redaktion

Artikel/Article: [Recent Plecoptera Literature \(Calendar Year 2015 and earlier\). 55-69](#)