

**Main publications**

Kaufman D., McKay N., Routson C., Erb M., Davis B., Heiri O., Jaccard S., Tierney J., Datwyler C., Axford Y., Brussel T., Cartapanis O., Chase B., Dawson A., de Vernal A., Engels S., Jonkers L., Marsicek J., Moffa-Sanchez P., Morrill C., Orsi A., Rehfeld K., Saunders K., Sommer P.S., Thomas E., Tonello M., Toth M., Vachula R., Andreev A., Bertrand S., Biskaborn B., Bringué M., Brooks S., Caniupan M., Chevalier M., Cwynar L., Emile-Geay J., Fegyveresi J., Feurdean A., Finsinger W., Fortin M.C., Foster L., Fox M., Gajewski K., Grosjean M., Hausmann S., Heinrichs M., Holmes N., Ilyashuk B., **Ilyashuk E.**, Juggins S., Khider D., Koinig K., Langdon P., Larocque-Tobler I., Li J., Lotter A., Luoto T., Mackay A., Magyari E., Malevich S., Mark B., Massaferró J., Montade V., Nazarova L., Novenko E., Paril P., Pearson E., Peros M., Pienitz R., Plociennik M., Porinchu D., Potito A., Rees A., Reinemann S., Roberts S., Rolland N., Salonen S., Self A., Seppä H., Shala S., St Jacques J.M., Stenni B., Strykh L., Tarrats P., Taylor K., vandenBos V., Velle G., Wahl E., Walker I., Wilmshurst J., Zhang E., Zhilich S. 2020. A global database of Holocene paleotemperature records. *Scientific Data* 7, 115. <https://doi.org/10.1038/s41597-020-0445-3>

**Ilyashuk E.A.**, Heiri O., Ilyashuk B.P., Koinig K., Psenner R. 2019. The Little Ice Age signature in a 700-year high-resolution chironomid record of summer temperatures in the Central Eastern Alps. *Climate Dynamics*, 52, 6953–6967. <https://doi.org/10.1007/s00382-018-4555-y>

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Connor S., Colombaroli D., Confortini F., Gobet E., Ilyashuk B., **Ilyashuk E.**, van Leeuwen J.F.N., Lamentowicz M., van der Knaap W.O., Malysheva E., Marchetto A., Margalitadze N., Mazei Y., Mitchell E.A.D., Payne R.J., Ammann B. 2018. Long-term population dynamics: Theory and reality in a peatland ecosystem. *Journal of Ecology*, 106, 333–346. <https://doi.org/10.1111/1365-2745.12865>

**Ilyashuk E.A.**, Ilyashuk B.P., Tylmann W., Koinig K.A., Psenner R. 2015. Biodiversity dynamics of chironomid midges in high-altitude lakes of the Alps over the past two millennia. *Insect Conservation and Diversity*, 8 (6), 547–561. <https://doi.org/10.1111/icad.12137>

Ilyashuk B.P., **Ilyashuk E.A.**, Psenner R., Tessadri R., Koinig K.A. 2014. Rock glacier outflows may adversely affect lakes: lessons from the past and present of two neighboring water bodies in a crystalline-rock watershed. *Environmental Science & Technology*, 48, 6192–6200. <https://doi.org/10.1021/es500180c>

**Ilyashuk E.A.**, Ilyashuk B.P., Kolka V.V., Hammarlund D. 2013. Holocene climate variability on the Kola Peninsula, Russian Subarctic, based on aquatic invertebrate records from lake sediments. *Quaternary Research*, 79, 350–361. <https://doi.org/10.1016/j.yqres.2013.03.005>

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Andreev A.A., Tarasov P.E., Ilyashuk B.P., **Ilyashuk E.A.**, Cremer H., Hermichen W.-D., Wischer F., Hubberten H.-W. 2005. Holocene environmental history recorded in the Lake Lyadhej-To sediments, Polar Urals, Russia. *Palaeogeography, Palaeoclimatology, Palaeoecology* 223: 181–203. <https://doi.org/10.1016/j.palaeo.2005.04.004>

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