1. Publications on 'Orsten'-type lagerstätten and their fossils

This list of papers includes own papers on the 'Orsten' and related matters. Many papers can be obtained from the portal RESEARCH GATE, so you are welcome to use that source if you wish to read the paper/s. **All Fossils & Strata monographs until 2003 can be downloaded for free from the Fossils and Strata website.** They can also be ordered from Research Gate or from us on request.

Do NOT buy them from AMAZON or GOOGLE, who sell our papers for <u>much</u> money and even changed the cover, names wrong etc.!

The list includes papers published by former and still collaborating CORE members or other authors.
Note: In early papers the name Walossek was used, but later Dieter turned back to his given name Waloszek (the Germal special letter ß for sz is equally correct).

To be added in the future:

a selection of papers on phosphatized fossil material outside Orsten-type lagerstaetten;
a selection of papers on silicified fossils etc.;
a selectionof papers on phosphatized embryos;
a selection of papers on other 3D-preserved fossils, phosphatized and silicified, and from different times up to the Tertiary (to be mailed on request).

To be submitted in due course: a paper on the first record of small 3D animals from China, where only the internal body mass seems to be preserved. It is supected that these fossils belong to the taxon Annelida.

Olempska, E., Blazejowski, B., Waloszek, D. & Maas, A. 2023. Phosphatic bromalites and microfossils from Furongian Orsten type deposits of northern Poland (Baltica): palaeobiological implications. Palaeogeography, Palaeoclimatology, Palaeoecology *610*, 111350. https://doi.org/10.1016/j.palaeo.2022.111350

Liu T., Duan B., Zhang H., Cheng G., Liu J., Dong X., Waloszek, D. & Maas, A. 2019. Soft-tissue anatomy of an Orsten-type phosphatocopid crustacean from the Cambrian Furongian of China revealed by synchrotron radiation X-ray tomographic microscopy. Neues Jahrbuch für Geologie und Paläontologie, 94(3), 263-274.

Shao T.Q., Qin J.C., Shao, Y., Liu, Y.H., Waloszek, D., Maas, A., Duan, B.C., Wang, Q., Xu, Y., Zhang H.Q. 2019. New macrobenthic cycloneuralians from the Fortunian (lowermost Cambrian) of South China. Precambrian Research, https://doi.org/10.1016/j.precamres.2019.105413

Olempska, E., Maas, A.,Waloszek, D. & Eriksson, M. 2019. New records of exceptionally Orsten-type preserved Phosphatocopina (Crustacea) from the Cambrian of Poland. Acta Palaeontologica Polonica 64(1), 19-39. DOI: 10.4202/app.00553.2018

Castellani, C., Maas, A., Eriksson, M., Haug, J.T., Haug, C. & Waloszek, D. 2018. First record of Cyanobacteria in Cambrian Orsten deposits of Sweden. Palaeontology 61(6), 855–880.

Shao Tiequan, Tang Hanhua, Liu Yunhuan, Waloszek, D., Maas, A. & Huaqiao Zhang 2018. Diversity of cnidarians and cycloneuralians in the Fortunian (early Cambrian) Kuanchuanpu Formation at Zhangjiagou, South China. Journal of Paleontology 92(2), 1-15.

Zhang H., Maas, A. & Waloszek, D. 2018. New material of scalidophoran worms in Orsten-type preservation from the Cambrian Fortunian Stage of South China. Journal of Paleontology 92(1), 14-25.

Eriksson, M.E. & Horn, E. 2017. Agnostus pisiformis — a half a billion-year old pea-shaped enigma. Earth-Science Reviews 173, 65–76.

Zhang Huaqiao, Dong Xi-ping, Waloszek, D. & Maas, A. 2016. An orthonauplius of 'Orsten'-type preservation from the upper Cambrian (Furongian) of South China. Neues Jahrbuch für Geologie und Paläontologie Abhandlungen 279(2), 175–183.

Eriksson, M.E. & Waloszek, D. 2016. Half a billion year old microscopic treasures – the Cambrian 'Orsten' fossils of Sweden. Geology today 32(3), 115-120.

Eriksson, M.E., Terfelt, F., Elofsson, R., Maas, A., Marone, F., Lindskog, A., Waloszek, D., Schmitz, B. & Stampanoni, M. 2015. Baring it all – undressing Cambrian 'Orsten' phosphatocopine arthropods using synchrotron x-ray tomographic microscopy. Lethaia DOI: 10.1111/let.12149, 15 pages.

Schoenemann, B., Clarkson, E.N.K., Castellani, C., Waloszek, D., Maas, A. & Meyer-Rochow, V.B. 2014. Description and Interpretation of the Internal Structure of a Cambrian Crustacean Compound Eye. Bulletin of Geosciences 89, 311-324.

Haug, C., Haug, J.T., Maas, A. & Waloszek, D. 2014. Fossil larvae in 'Orsten' type of preservation. In: Martin, J., Olesen, J. & Høeg, J.T. (eds.), Atlas of Crustacean Larvae, 17-26. Johns Hopkins University Press, Baltimore, Maryland.

Waloszek, D., Maas, A., Olesen, J., Haug, C. & Haug, J.T. 2014. New evidence of epipodite- bearing crustaceans from the Cambrian ‚Orsten' of Sweden. Palaeontology 57(5), 909–930.

Haug, J.T., Maas, A., Haug, C. & Waloszek, D. 2013. Evolution of Crustacean Appendages, 34-73. In: Watling, L. & Thiel, M. (eds.): The Natural History of the Crustacea. Vol. 1 Functional Morphology and Diversity. 464 pages, Oxford University Press, Oxford, New York, etc.

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