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**Archaean phosphates: a case study of transformation processes in apatite from the Barberton greenstone belt**

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**Authigenesis of biomorphic apatite particles from Benguela upwelling zone sediments off Namibia: The role of organic matter in sedimentary apatite nucleation and growth**

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**Chlorine isotope composition of apatite from the >3.7 Ga isua supracrustal belt, SW Greenland**

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**Cryptic secondary cementation of Ordovician limestones in the Baltoscandian Basin, northern Europe, revealed through trace-element mapping and U-Pb dating by LA-ICP-MS**

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### **Iron isotopes reveal a benthic iron shuttle in the palaeoproterozoic Zaonega formation : basinal restriction, euxinia, and the effect on global palaeoredox proxies**

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### **Petrography and geochemistry of carbonate rocks of the Paleoproterozoic Zaonega Formation, Russia: Documentation of <sup>13</sup>C-depleted non-primary calcite**

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