



Publications 2008

Peer-reviewed articles

- Jensen MM, Kuypers MMM, Lavik G, Thamdrup B (2008) Rates and regulation of anaerobic ammonium oxidation and denitrification in the Black Sea. *Limnology and Oceanography* 53: 23-36. (01.08)
- Polat A, Frei R, Appel PWU, Dilek Y, Fryer B, Ordonez-Calderon JC (2008) The origin and compositions of Mesoarchean oceanic crust: evidence from the 3075 Ma Ivisartoq greenstone belt, southern West Greenland. *Lithos* 100: 293-321. (01.08)
- Boudreau BP, Arnosti C, Jørgensen BB, Canfield DE (2008) Comment on “Physical model for the decay and preservation of marine organic carbon”. *Science* 319 (5870): 1616 (DOI: 0.11.1126/science.1148589) (03.08)
- Scott C, Lyons TW, Bekker A, Shen Y, Poulton SW, Chu X, Anbar AD (2008) Tracing the stepwise oxygenation of the Proterozoic ocean. *Nature* 452: 456-459 (03.08)
- Tang F, Yin C, Bengtson S, Liu P, Wang Z, Gao L (2008) Octoradiate spiral organisms in the Ediacaran of South China. *Acta Geologica Sinica*, 82: 27–34.
- Chen Z, Bengtson S, Zhou CM, Hua H, Yue Z (2008) Tube structure and original composition of *Sinotubulites*: shelly fossils from the late Neoproterozoic in southern Shaanxi, China. *Lethaia* 41: 37-45.
- Frei R, Dahl PS, Duke EF, Frei KM, Hansen TR, Frandsson MM, Jensen LA (2008) Trace element and isotopic characterization of Neoproterozoic and Paleoproterozoic iron formations in the Black Hills (South Dakota, USA): Assessment of chemical change during 2.9-1.9 Ga deposition bracketing the 2.4-2.2 Ga first rise of atmospheric oxygen. *Precambrian Research* 162: 441-474. (05.08)
- Gostling NJ, Thomas C-W, Greenwood JM, Dong X, Bengtson S, Raff EC, Raff RA, Degnan BM, Stampanoni M, Donoghue PCJ (2008) Deciphering the fossil record of early bilaterian embryonic development in light of experimental taphonomy. *Evolution and Development* 10 (3): 339-349. (05-06.08)
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- Farquhar J, Canfield DE, Masterson A, Bao H, Johnston D (2008) Sulfur and oxygen isotope study of sulfate reduction in experiments with natural populations from Fællestrand, Denmark. *Geochimica et Cosmochimica Acta* 72: 2805-2821. (06.08)
- Nemchin AA, Whitehouse, MJ, Menneken M, Geistler T, Pidgeon RT, Wilde SA (2008) A light carbon reservoir recorded in zircon-hosted diamond from the Jack Hills. *Nature* 454: 92-96. (07.08)
- Canfield DE, Poulton SW, Knoll AH, Narbonne GM, Ross G, Goldberg T, Strauss H (2008) Ferruginous conditions dominated later Neoproterozoic deep water chemistry. *Science* 321: 949-952 (doi: 10.1126/science.1154499). (07.08)
- Zerkle AL, Junium CK, Canfield DE, House CH (2008) Production of ¹⁵N-depleted biomass during cyanobacterial N₂-fixation at high Fe concentrations. *Journal of Geophysical Research* 113, G03014, doi:10.1029/2007JG000651. (07.08)
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- Stendal H, Frei R (2008) Mineral occurrences in central East Greenland (70°N – 75°N) and their relation to the Caledonian orogeny – A Sr-Nd-Pb isotopic study of scheelite. In: *The Greenland Caledonides: Evolution of the Northeast margin of Laurentia*. Eds: Higgins AK, Gilotti JA, Smith MP. Geological Society of America, Memoir 202: 293-306, doi: 10.1130/2008.1202(12). (10.08)
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