

Interactive comment on “Evidence for microbial dissolution of pyrite from the Lower Cambrian oolitic limestone, South China” by W. Liu and X.-L. Zhang

Anonymous Referee #2

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This a very interesting and well written paper showing how the pitting patterns on pyrite surfaces and microbial fossils preserved as iron oxides from Cambrian shallow marine carbonates can, in conjunction with what has been shown in various research work today, be used to trace the evolution of microbial iron oxidation. Although pitting characteristics of pyrite and different pattern formation on its surfaces in the presence of microorganisms has been studied considerably as evidenced by the extensive reference list, the practical value of the work has not been significantly realised. This paper is sure to bridge this particular gap and be used as reference material by other scholars and researchers.

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