

List of Publications Walter Goetz, MPS, Göttingen

I. Publications

>60 peer-reviewed publications (thereof 10 in Nature or Science), 1 book chapter, >30 scientific abstracts & proceedings, 1800 citations on Web of Science, $H_{\text{index}}=23$; 2725 citations on Google Scholar, $H_{\text{index}}=26$ (as of Oct. 2016).

M. Reinhardt, **W. Goetz** and V. Thiel, Testing MOMA flight-like pyrolysis GC–MS on analog samples from Earth (iron-rich shale and opaline chert) — Implications for MOMA pyrolysis during ExoMars 2020 operation on Mars, submitted to *Astrobiology*, only minor revisions required for publication [as of Sept. 2019].

M. Reinhardt, **W. Goetz**, J.-P. Duda, C. Heim, J. Reitner and V. Thiel, Organic signatures in Pleistocene cherts from Lake Magadi (Kenya), analogs for early Earth hydrothermal deposits. *Biogeosciences* (<https://doi.org/10.5194/bg-2018-513>), 16, 2443–2465 (2019).

H. Mißbach, H. Steininger, V. Thiel and **W. Goetz**, Investigating the effect of perchlorate on flight-like gas chromatography–mass spectrometry as performed by MOMA onboard the ExoMars 2020 rover, *Astrobiology* (<http://doi.org/10.1089/ast.2018.1997>), 19(11), 1-14 (2019).

H. Mißbach, B.C. Schmidt, J.-P. Duda, N. K. Lünsdorf, **W. Goetz** and V. Thiel, Assessing the diversity of lipids formed via Fischer–Tropsch-type reactions. *Organic Geochemistry*, 119, 110–121 (2018).

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