

Corrigendum to “Inferred pyrite growth via the particle attachment pathway in the presence of trace metals” by Domingos *et al.*, 2023

J.M. Domingos¹, E. Runge¹, C. Dreher², T.-H. Chiu², J. Shuster³, S. Fischer³,
A. Kappler^{2,4}, J.-P. Duda¹, J. Xu^{5,6}, M. Mansor^{2,5*}



Corrigendum

<https://doi.org/10.7185/geochemlet.2318cor>

Received 28 September 2023 | Accepted 3 October 2023 | Published 18 October 2023

Correction to: *Geochemical Perspectives Letters* 26, 14–19, doi: [10.7185/geochemlet.2318](https://doi.org/10.7185/geochemlet.2318), published 9 June 2023.

Correction to Elemental Sulphur Concentrations

The concentration of elemental sulphur used in the experiments was incorrectly reported as “30 mM elemental sulphur” instead of “10 mM elemental sulphur”, due to an error in calculation and converting between mg to mM (see the Fe Sulphide Transformation Sequence section in the main article, also the Methods, Pyrite synthesis section and Table S-1 in the Supplementary Information). The corrected text is shown below. The corrected Supplementary Information is also available for download.

Fe Sulphide Transformation Sequence

Iron sulphides were synthesised in the presence of 3 mM Fe²⁺, 6 mM Na₂S and 10 mM elemental sulphur (S⁰) in 50 mM HEPES buffer (pH 7). Two sets of experiments were performed and termed Set-1 (97 % N₂, 3 % H₂ headspace) and Set-2 (100 % N₂), respectively (details in SI Methods, Table S-1).

In the first paragraph of ‘Pyrite synthesis’ (Methods) in the Supplementary Information, the reagents were incorrectly written to include “30 mM S⁰” instead of “10 mM S⁰” in the following sentence, now corrected:

“The final mixture contained approximately 3 mM Fe, 6 mM Na₂S, 10 mM S⁰ and either 30 μM (*high-metal*) or 30 nM trace metals (*low-metal* experiments).”

In Table S-1 the cells describing the synthesis conditions for “*This study*” on pages 7–9 have also been corrected to give 10 mM S⁰.

Additional Information



© 2023 The Authors. This work is distributed under the Creative Commons Attribution Non-Commercial No-Derivatives 4.0

License, which permits unrestricted distribution provided the original author and source are credited. The material may not be adapted (remixed, transformed or built upon) or used for commercial purposes without written permission from the author. Additional information is available at <https://www.geochemicalperspectivesletters.org/copyright-and-permissions>.

Cite this letter as: Domingos, J.M., Runge, E., Dreher, C., Chiu, T.-H., Shuster, J., Fischer, S., Kappler, A., Duda, J.-P., Xu, J., Mansor, M. (2023) Corrigendum to “Inferred pyrite growth via the particle attachment pathway in the presence of trace metals” by Domingos *et al.*, 2023. *Geochem. Persp. Lett.* 27, 48–48. <https://doi.org/10.7185/geochemlet.2318cor>

1. Sedimentology & Organic Geochemistry, Center for Applied Geosciences, University of Tuebingen, 72076 Tuebingen, Germany
 2. Geomicrobiology, Center for Applied Geosciences, University of Tuebingen, 72076 Tuebingen, Germany
 3. Tuebingen Structural Microscopy Core Facility, University of Tuebingen, 72076 Tuebingen, Germany
 4. Cluster of Excellence: EXC 2124: Controlling Microbes to Fight Infection, 72076 Tuebingen, Germany
 5. NanoGeoBio, Department of Geological Sciences, The University of Texas at El Paso, TX 79968, El Paso, USA
 6. School of Molecular Sciences, Arizona State University, 85278, Tempe, USA
- * Corresponding author (email: muammar.muammar-bin-mansor@uni-tuebingen.de)

