Stanford

Meret Aeppli

Postdoctoral Research Fellow, Earth System Science

Bio

PROFESSIONAL EDUCATION

- Doctor of Science, Eidgenossische Technische Hochschule (ETH Zurich) , Environmental Sciences (2019)
- Master of Science, Eidgenossische Technische Hochschule (ETH Zurich) , Environmental Sciences (2015)
- Bachelor of Science, Eidgenossische Technische Hochschule (ETH Zurich) , Environmental Sciences (2012)

STANFORD ADVISORS

- Scott Fendorf, Postdoctoral Faculty Sponsor

LINKS

- Personal Website: https://meretaeppli.github.io/

Publications

PUBLICATIONS

- **Decreases in Iron Oxide Reducibility during Microbial Reductive Dissolution and Transformation of Ferrihydrite** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Aeppli, M., Vranic, S., Kaegi, R., Kretzschmar, R., Brown, A. R., Voegelin, A., Hofstetter, T. B., Sander, M.
  2019; 53 (15): 8736–46

- **Electrochemical Analysis of Changes in Iron Oxide Reducibility during Abiotic Ferrihydrite Transformation into Goethite and Magnetite** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Aeppli, M., Kaegi, R., Kretzschmar, R., Voegelin, A., Hofstetter, T. B., Sander, M.
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- **Mediated Electrochemical Reduction of Iron (Oxyhydr-)Oxides under Defined Thermodynamic Boundary Conditions** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Aeppli, M., Voegelin, A., Gorski, C. A., Hofstetter, T. B., Sander, M.
  2018; 52 (2): 560–70

- **Viruses at Solid Water Interfaces: A Systematic Assessment of Interactions Driving Adsorption** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Armanious, A., Aeppli, M., Jacak, R., Refardt, D., Sigstam, T., Kohn, T., Sander, M.
  2016; 50 (2): 732–43

- **Methane dynamics in an alpine fen: a field-based study on methanogenic and methanotrophic microbial communities** *FEMS MICROBIOLOGY ECOLOGY*
  Franchini, A. G., Henneberger, R., Aeppli, M., Zeyer, J.
  2015; 91 (3)

- **Dissolved Organic Matter Adsorption to Model Surfaces: Adlayer Formation, Properties, and Dynamics at the Nanoscale** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*

Armanious, A., Aeppli, M., Sander, M.
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