

Curriculum Vitae

Dr. Christian J. Renggli

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Birth date: 09/03/1988
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Professional experience

Feb. 2021 – ongoing Independent researcher, PI of DFG project RE4601/1 “Gas-solid reactions in hot, reduced planetary environments” (332’300 €), Institut für Mineralogie, Universität Münster

Feb. 2021 – ongoing Associate member of the SFB-TRR 170

Apr. 2020 – Jan. 2021 Postdoctoral researcher, TRR 170, Project B7 “Experimental and isotopic investigations of volatile element loss during magma degassing”, Institut für Mineralogie, Universität Münster

Oct. 2018 – March 2020 Swiss National Science Foundation Early Postdoc.Mobility Fellow, P2SKP2_181367 “Metal degassing from basaltic melts”, Institut für Mineralogie, University Münster

May – Sept. 2018 TRR 170 Fellowship, Institut für Mineralogie, University Münster

Education

2014 – 2018 PhD at the Research School of Earth Sciences, Australian National University
PhD Thesis: Volcanic gases and the reaction of sulfur dioxide with aluminosilicate glasses
Supervisor: Prof. Dr. Penelope L. King; Advisors: Dr. Richard W. Henley, Dr. Marc Norman

2011 – 2013 Master of Science in Geomaterials and Geochemistry, Ludwig Maximilian University, Munich, Germany

2007 – 2010 Bachelor of Science in Earth Sciences, University of Bern Switzerland

Research interests

- Gas-solid reactions at high temperatures
- Volcanic degassing and ingassing in planetary systems (Earth, Moon, Mercury, Venus, Io, exoplanets)
- Metal transport in the gas phase
- Experimental investigation of the formation of planetary building blocks
- High-resolution and in-situ analytical techniques

List of competitive funding

Feb. 2021 – ongoing German Research Foundation (DFG), project 442083018 RE4601/1 36 months “Gas-solid reactions in hot, reduced planetary environments”, **332’300.- €**

Oct. 2018 – Mar. 2020 Swiss National Science Foundation (SNSF) Early Postdoc.Mobility Fellowship, P2SKP2_181367 “Metal degassing from basaltic melts”, **71’560.- CHF**

May – Sept. 2018 German Research Foundation (DFG), TRR 170 Fellowship, **7’250.- €**

Apr. 2014 – Mar. 2018 Postgraduate Research Scholarship, Australian National University, **114’728.- AUD**

Teaching and administrative experience

2020 – ongoing Co-advisor of PhD students in the framework of the TRR170 (Cordula Haupt, Paul Pangritz)

2022 – ongoing Commission for Research and Young Scientists, Faculty for Geosciences, University of Münster

2020 – 2022 Speaker and founding-member of the PostDoc Network Münster

2016 – 2018 Co-advisor of a MSc. Student (Andrew Palm, Palm et al. 2018)

2016 – 2017 PhD student representative, Research School of Earth Sciences, ANU

2014 – 2016 Demonstrator, 1st year Earth science class, The Australian National University, Canberra, AU

2013 Designing & teaching course “Students for Students”, including topics on statistics, philosophy of science, geochemistry and petrology, Ludwig Maximilian University Munich, Germany

2011 – 2013 Teaching assistant, 2nd and 3rd year petrographic microscopy classes, Ludwig Maximilian University and Technical University Munich, D

2011 Research internship (6 months), Technical Ceramics Haldenwanger, Waldkraiburg, D

2009 Laboratory assistant geochemistry, Institute of Geological Sciences, University of Bern, CH

Invited Talks

- Institut des Sciences de la Terre d'Orleans, Orleans, France, 18.04.2023
- Department of Geology, University of Maryland, ZOOM, 09.11.2022
- TRR170 seminar, Freie Universität Berlin, D, 13.06.2022
- Geokolloquium, University of Kiel, D, 17.05.2022
- Mineralogie, Ludwig Maximilian University, München, D, 02.12.2019
- Center for Space and Habitability, University of Bern, CH, 28.11.2019
- Department of Earth Science, ETH Zürich, CH, 27.11.2019
- Laboratoire Magmas et Volcans, Université Blaise Pascal, Clermont-Ferrand, F, 30.05.2017
- Institut für Mineralogie, University of Potsdam, D, 24.05.2017
- Institut für Mineralogie, University of Münster, D, 23.05.2017
- Institut für Mineralogie, University of Hannover, D, 19.05.2017
- Department of Earth Science, University of Bristol, UK, 15.11.2013

Experimental and analytical experience

- Gas-mixing furnace experiments
- Silica glass ampule experiments
- Piston cylinder experiments
- Fourier-Transform Infrared Spectroscopy
- Raman Spectroscopy
- Electron Microscopy (SEM & EMPA)
- Laser Ablation and Solution ICP-MS
- X-ray micro-tomography
- Thermogravimetry and calorimetry
- nanoSIMS

Bibliometrics

https://www.researchgate.net/profile/Christian_Renggli

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Google Scholar: <https://scholar.google.com/citations?user=5tgmfW0AAAAJ&hl=en>

h-index: 10

i10-index: 10

Citations: 353 (as of 24.04.2023)