# Zeitschriftenartikel

Rosén, Åke V.; Hofmann, Beda A.; Preusser, Frank; Gnos, Edwin; Eggenberger, Urs; Schumann, Marc; Szidat, Sönke (2021). *Meteorite terrestrial ages in Oman based on gamma spectrometry and sediment dating, focusing on the Ramlat Fasad dense collection area.* Meteoritics & planetary science, 56(11), S. 2017-2034. Meteoritical Society at the University of Arkansas, Dept. of Chemistry and Biochemistry 10.1111/maps.13758

Weibel, Gisela; Zappatini, Anna; Wolffers, Mirjam; Ringmann, Stefan (2021). *Optimization of Metal Recovery from MSWI Fly Ash by Acid Leaching: Findings from Laboratory- and Industrial-Scale Experiments.* Processes, 9(2), S. 352. MDPI 10.3390/pr9020352

Mehr, Jonas; Haupt, Melanie; Skutan, Stefan; Morf, Leo; Adrianto, Lugas Raka; Weibel, Gisela; Hellweg, Stefanie (2021). *The environmental potential of enhanced metal recovery from dry municipal solid waste incineration bottom ash.* Waste management, 119, S. 330-341. Elsevier 10.1016/j.wasman.2020.09.001

Wolffers, Mirjam; Eggenberger, U.; Schlumberger, S.; Churakov, S.V. (2021). *Characterization of MSWI fly ashes along the flue gas cooling path and implications on heavy metal recovery through acid leaching.* Waste management, 134, S. 231-240. Elsevier 10.1016/j.wasman.2021.08.022

Wolffers, Mirjam; Weibel, Gisela; Eggenberger, Urs (2021). *Waste Wood Fly Ash Treatment in Switzerland: Effects of Co-Processing with Fly Ash from Municipal Solid Waste on Cr(VI) Reduction and Heavy Metal Recovery.* Processes, 9(1), S. 146. MDPI 10.3390/pr9010146

Zucha, Wolfgang; Weibel, Gisela; Wolffers, Mirjam; Eggenberger, Urs (2020). *Inventory of MSWI Fly Ash in Switzerland: Heavy Metal Recovery Potential and Their Properties for Acid Leaching.* Processes, 8(12), S. 1668. MDPI 10.3390/pr8121668

Glauser, Andreas; Morf, Leo S.; Weibel, Gisela; Eggenberger, Urs (2020). *Dataset on ten-years monitoring of MSWI bottom ashes in six MSWI plants in the Canton of Zürich, Switzerland.* Data in brief, 32, S. 106261. Elsevier 10.1016/j.dib.2020.106261

Glauser, Andreas; Morf, Leo S.; Weibel, Gisela; Eggenberger, Urs (2020). *Ten-years monitoring of MSWI bottom ashes with focus on TOC development and leaching behaviour.* Waste management, 117, S. 104-113. Elsevier 10.1016/j.wasman.2020.07.038

Burri, Thomas; Eggenberger, Urs; Hofmann, Beda; Diamantopoulou, Despoina; Widmer, Anna Barbara (2019). *Einsatz der PXRF-Analytik zur petrographischen Klassierung eines umfassenden Fundinventars an Gesteinsartefakten.* Archäologisches Korrespondenzblatt, 49(4), S. 479-506. Römisch-Germanisches Zentralmuseum Mainz

Quina, Margarida J.; Bontempi, Elza; Bogush, Anna; Schlumberger, Stefan; Weibel, Gisela; Braga, Roberto; Funari, Valerio; Hyks, Jiri; Rasmussen, Erik; Lederer, Jakob (2018). *Technologies for the management of MSW incineration ashes from gas cleaning: New perspectives on recovery of secondary raw materials and circular economy.* Science of the total environment, 635, S. 526-542. Elsevier 10.1016/j.scitotenv.2018.04.150

Weibel, Gisela; Eggenberger, Urs; Dmitrii A., Kulik; Hummel, Wolfgang; Schlumberger, Stefan; Klink, Waldemar; Fisch, Martin; Mäder, Urs K. (2018). *Extraction of heavy metals from MSWI fly ash using hydrochloric acid and sodium chloride solution.* Waste management, 76, S. 457-471. Elsevier 10.1016/j.wasman.2018.03.022

Weibel, Gisela; Eggenberger, Urs; Schlumberger, Stefan; Mäder, Urs (2017). *Chemical associations and mobilization of heavy metals in fly ash from municipal solid waste incineration.* Waste management, 62, S. 147-159. Elsevier 10.1016/j.wasman.2016.12.004

Zwingmann, Horst; Berger, Alfons; Eggenberger, Urs; Todd, Andrew; Herwegh, Marco (2017). *Testing high-voltage electrical discharges in disintegrating claystone for isotopic and mineralogical studies: an example using Opalinus claystone.* Clays and clay minerals, 65(5), S. 342-354. Clay Minerals Society 10.1346/CCMN.2017.064072

Zurfluh, Florian; Hofmann, Beda; Gnos, Edwin; Eggenberger, Urs; Jull, A. J. Timothy (2016). *Weathering of ordinary chondrites from Oman: Correlation of weathering parameters with 14 C terrestrial ages and a refined weathering scale.* Meteoritics & planetary science, 51(9), S. 1685-1700. Meteoritical Society at the University of Arkansas, Dept. of Chemistry and Biochemistry 10.1111/maps.12690

Weibel, Gisela; Waber, Niklaus; Eggenberger, Urs; Mäder, Urs (2016). *Influence of sample matrix on the alkaline extraction of Cr(VI) in soils and industrial materials.* Environmental Earth Science, 75(7), S. 548-562. Springer 10.1007/s12665-015-5236-3

Elmaarry, Mohamed Ramy; Watters, W. A.; Yoldi Martínez d. M., Zuriñe; Pommerol, Antoine; Fischer, D.; Eggenberger, U.; Thomas, Nicolas (2015). *Field investigation of dried lakes in western United States as an analogue to desiccation fractures on Mars.* Journal of Geophysical Research: Planets, 120(12), S. 2241-2257. Wiley 10.1002/2015je004895

Zurfluh, Florian; Hofmann, Beda; Gnos, Edwin; Eggenberger, Urs (2013). *"Sweating meteorites"-Water-soluble salts and temperature variation in ordinary chondrites and soil from the hot desert of Oman.* Meteoritics & planetary science, 48(10), S. 1958-1980. Meteoritical Society at the University of Arkansas, Dept. of Chemistry and Biochemistry 10.1111/maps.12211

Wanner, Christoph; Zink, Sonja; Eggenberger, Urs; Mäder, Urs (2013). *Unraveling the partial failure of a permeable reactive barrier using a multi-tracer experiment and Cr isotope measurements.* Applied geochemistry, 37, S. 125-133. Pergamon 10.1016/j.apgeochem.2013.07.019

Wanner, C.; Zink, S.; Eggenberger, U.; Kurz, D.; Mäder, U. (2012). *A chromate-contaminated site in southern Switzerland - Part 1: Site characterization and the use of Cr isotopes to delineate fate and transport.* Applied geochemistry, 27(3), S. 644-654. Oxford: Pergamon 10.1016/j.apgeochem.2011.11.009

Wanner, C.; Eggenberger, U.; Mäder, U. (2012). *A chromate-contaminated site in southern Switzerland - Part 2: Reactive transport modeling to optimize remediation options.* Applied geochemistry, 27(3), S. 655-662. Oxford: Pergamon 10.1016/j.apgeochem.2011.11.008

Wanner, C.; Zink, S.; Eggenberger, U.; Mäder, U. (2012). *Assessing the Cr(VI) reduction efficiency of a permeable reactive barrier using Cr isotope measurements and 2D reactive transport modeling.* Journal of contaminant hydrology, 131(1-4), S. 54-63. Amsterdam: Elsevier 10.1016/j.jconhyd.2012.01.007

Zurfluh, F.J.; Hofmann, B.A.; Gnos, E.; Eggenberger, U.; Greber, Nicolas; Villa, I.M. (2012). *Weathering and Strontium Contamination of Meteorites Recovered in the Sultanate of Oman.* Meteorite, 18(1), S. 34-38. Ann Arbor, Mich.: Meteorite Group, Dept. of Philosophy, University of Michigan

Wanner, C.; Eggenberger, U.; Mäder, U. (2011). *Reactive transport modeling of Cr(VI) treatment under fast flow conditions.* Applied geochemistry, 26(8), S. 1513-1523. Oxford: Pergamon 10.1016/j.apgeochem.2011.06.015

Zurfluh, F.; Hofmann, B.A.; Gnos, E.; Eggenberger, U. (2011). *Evaluation of the utility of handheld XRF in meteoritics.* X-ray spectrometry, 40(6), S. 449-463. Chichester: Wiley 10.1002/xrs.1369

von Gunten, Lucien; Grosjean, Martin; Eggenberger, Urs; Grob, Philipp; Urrutia, Roberto; Morales, Arturo (2009). *Pollution and eutrophication history AD 1800 - 2005 as recorded in sediments from five lakes in Central Chile.* Global and planetary change, 68(3), S. 198-208. Amsterdam: Elsevier Science 10.1016/j.gloplacha.2009.04.004

Giese, Jörg; Seward, D.; Stuart, F.M.; Wüthrich, E.; Gnos, Edwin; Kurz, Daniel; Eggenberger, Urs; Schreurs, Guido (2009). *Electrodynamic Disaggregation: Does it Affect Apatite Fission-Track and (U-Th)/He Analyses?* Geostandards and Geoanalytical Research, 34(1), S. 39-48. Vandoeuvre-lès-Nancy: Wiley 10.1111/j.1751-908X.2009.00013.x

Zumbuehl, S.; Scherrer, N.C.; Berger, Alfons; Eggenberger, Urs (2009). *Early Viridian Pigment Composition characterization of a (hydrated) chromium oxide borate pigment.* Studies in Conservation, 54, S. 149-159. Routledge

Trachsel, Mathias; Eggenberger, Urs; Grosjean, Martin; Blass, Alexander; Sturm, Mike (2008). *Mineralogy-based quantitative precipitation and temperature reconstructions from annually laminated lake sediments (Swiss Alps) since AD 1580.* Geophysical Research Letters, 35(13), L13707. Washington, D.C.: American Geophysical Union 10.1029/2008GL034121

Eggenberger, Urs; Schenk, K.; Mäder, Urs (2004). *Chemistry and mineralogy of municipal solid waste incinerator bottom ash.* Geological Society Special Publications, 236(1), S. 411-422. Geological Society 10.1144/GSL.SP.2004.236.01.23

Traber, D.; Mäder, U.; Eggenberger, U. (2002). *Petrology and geochemistry of a municipal solid waste incinerator residue treated at high temperature.* Schweizerische Mineralogische und Petrographische Mitteilungen, 82(1), S. 1-14. Stäubli

Eggenberger, Urs; Kurz, Daniel (2000). *A soil acidification study using the PROFILE model on two contrasting regions in Switzerland.* Chemical geology, 170(1-4), S. 243-257. Elsevier 10.1016/S0009-2541(99)00250-8

Traber, D.; Jacobs, F.; Mäder, Urs; Eggenberger, Urs (2000). *Sekundärstoffe im Beton: Technische und ökologische Anforderungen.* Betonwerk und Fertigteil-Technologie, 66, S. 76-84.

Traber, D.; Mäder, Urs; Eggenberger, Urs; Simon, F.G.; Wieckert, C. (1999). *Phase Chemistry Study of Products from the Vitrification Processes AshArc and Deglor.* Glass Science and Technology, 72, S. 91-98. Deutsche Glastechnische Gesellschaft

Hauser, André; Eggenberger, Urs; Mumenthaler, Thomas (1999). *Fly ash from cellulose industry as secondary raw material in autoclaved aerated concrete.* Cement and concrete research, 29(3), S. 297-302. Elsevier 10.1016/S0008-8846(98)00207-5

Hauser, André; Eggenberger, Urs; Peters, Tjerk (1999). *Origin and characterisation of fly ashes from cellulose industries containing high proportions of free lime and anhydrite.* Cement and concrete research, 29(10), S. 1569-1573. Elsevier 10.1016/S0008-8846(99)00116-7