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## Schriftenverzeichnis von Gernot Arp:

### 1. internationale Zeitschriften, begutachtet

- Arp G., Hansen B.T., Päck A., Reimer A., Schmidt B.C., Simon K. & Jung D. (2017): The soda lake—mesosaline halite lake transition in the Ries impact crater basin (drilling Löpsingen 2012, Miocene, southern Germany). – ***Facies*** 63:1 [DOI 10.1007/s10347-016-0483-7]
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- Arp, G., Blumenberg, M., Hansen, B.T., Jung, D., Kolepka, C., Lenz, O., Nolte, N., Poschlod, K., Reimer, A. & Thiel, V. (2013): Chemical and ecological evolution of the Miocene Ries impact crater lake, Germany: a re-interpretation based on the Enkingen (SUBO 18) drill core. - ***GSA Bulletin*** 125 (7-8): 1125-1145.
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## 2. deutsche Zeitschriften, nicht begutachtet

- Arp, G. (submitted 2017): Die Gryphaeensandstein- und Numismalmersgel-Formation bei Mittelricht/Oberpfalz (Sinemurium-Pliensbachium). – Geologische Blätter für Nordost-Bayern
- Arp G. & Jung D. (submitted 2016): Eine Bohrung durch die miozänen Seesedimente über dem Inneren Ring des Impaktkraters Nördlinger Ries (Baldingen, Bayern). – Geologische Blätter für NO-Bayern
- Arp, G. & Reimer, A. (2014): Hydrochemistry, biofilms and tufa formation in the karstwater stream Lutter (Herberhausen near Göttingen). - **Göttinger Contributions to Geosciences** 77: 77-82.
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### 3. Buchkapitel und Herausgabe von Sammelbänden

- Leiss, B., Tanner, D., Vollbrecht, A. & Arp, G. (Hrsg., 2012): Neue Untersuchungen zur Geologie der Leinetalgrabenstruktur. Bausteine zur Erkundung des geothermischen Potentials der Region Göttingen. - 170 S., Göttingen (Universitätsdrucke).
- Reimer, A. & Arp, G. (2011): Alkalinity. - [In:] Reitner, J. & Thiel, V. (eds.): Encyclopedia of Geobiology: 20-24, Berlin (Springer).
- Reitner, J., Quéric, N.V. & Arp, G. (eds., 2011): Advances in Stromatolite Geobiology. - Lecture Notes in Earth Sciences 131: 559 pp., Berlin (Springer).

#### 4. eingeladene Vorträge

- Arp, G. (2015b): Biofilm calcification and microbialite formation in lakes and karstic streams. – invited talk, Universität Wien 25. Juni 2015
- Arp, G. (2015a): Sedimentary cycles and microbialites of the Keuper Group (Ladinian-Rhaetian, Germanic Basin. – Seminar Talk (Topics in Geodynamics and Sedimentology Summer Semester 2015), Universität Wien, 25. Juni 2015
- Arp, G. (2014): Microbial calcification and environmental changes in Earth history. - Hiroshima Symposium on Future Science, 2.-6. March 2014, Higashi-Hiroshima.
- Arp, G. (2012): Overview on the Ries lacustrine carbonate system and the Erbisberg Mound Drilling. - ESF COCARDE-ERN Workshop and Field Seminar, 15-19. Oktober 2012, Nördlingen.
- Arp, G. (2013): Mikrobielle Karbonate und Faziesanalyse kontinentaler und mariner Sedimentabfolgen. - 28. Juni 2013, Universität Erlangen.
- Arp, G. (2013): Continental and marine microbialites in palaeoenvironmental reconstructions, stratigraphy and economic geology. - 3. Juni 2013, TU Freiberg.
- Arp, G. (2011): Chemical evolution and geobiology of the Ries crater lake. - Network on Impact Research (NIR), Seminar Nördlingen, 19.09.2011
- Arp, G. (2011): Geobiologie von Mikrobialithen. Ein Schlüssel zur Rekonstruktion von Paläoumweltbedingungen. - 18. Juli 2011, Universität Erlangen.
- Arp, G. (2011): Geobiologie des miozänen Rieskratersees: Stand der Forschung und neue Erkenntnisse. - 2. February 2011, Museum für Naturkunde, Humboldt-Universität zu Berlin.
- Arp, G. (2010): Post-impact sedimentary and geomicrobiological processes in the Ries crater with possible implications for similar processes on Mars. - 26. Juni 2010, Nördlingen ZERIN/Rieskratermuseum [International Workshop, Keynote]. Abstract in Lunar and Planetary Institute Contribution 1559 "The Ries Crater, the Moon, and the Future of Manned Space Exploration": 7003
- Arp, G. (2009): Biofilm Calcification and Microbialite Formation in non-marine Settings. - 4. February 2009, Ruhr-Universität Bochum.
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- Arp, G. (2004): Rezente Biofilme und fossile Mikrobialithe: Fragen, Relevanz und Perspektiven eines fächerübergreifenden Forschungsfeldes. - DFG-Rundgespräch „Perspektiven der Geowissenschaften“, Bonn 24.-25.06.2004
- Arp, G. (2004): Non-marine microbialites as a key for reconstructing secular changes in climate, ocean chemistry and atmospheric pCO<sub>2</sub>. - DFG Research Conference "Earth Fire Water Air & Life", Washington 05.-06.04.2004
- Arp, G. (2003): Biofilm-Kalzifikation: Ein Schlüssel zum Verständnis fossiler Ablagerungsräume. - 13. Mai 2003, Universität Tübingen
- Arp, G. (2003): At the intersection of geochemistry and microbiology: Fossil and Recent Calcifying Biofilms. - 20. März 2003, Rice University Houston.
- Arp, G. (2002): Photosynthesis-induced biofilm calcification and calcium concentrations in Phanerozoic oceans. - Paläontologisches Institut und Museum Universität Zürich, 6. Juni 2002 und Alfred-Wegener Institut Bremerhaven, 25.11.2002

#### 5. Tagungsbeiträge

- Reimer A., Mißbach H., Brockmann P., Kugel M. & Arp G. (2016): Hydrochemistry and biofilm calcification in tufa canal-forming karstic streams ("Steinerne Rinnen", Southern Germany). - GeoTirol 2016 (Annual Meeting DGGV), Innsbruck, 26.-28.09.2016 [talk]
- Arp G. & Gropengießer S. (2016): Die Monotis-Dactyloceras-Bank in der Posidonienschiefer-Formation (Toarcium, Süddeutschland): Kondensationshorizont, Tempestit oder Tsunami-Ablagerung? - GeoTirol 2016 (Annual Meeting DGGV), Innsbruck, 26.-28.09.2016 [poster]
- Zeng L., Yi H., Simon K., Thiel V. & Arp G. (2016): Lacustrine stromatolites from the Miocene Wudaoliang Group (Tibetan Plateau, PR China). – GeoTirol 2016 (Annual Meeting DGGV), Innsbruck, 26.-28.09.2016[poster]
- Arp, G. (2014): Sediments and hiatal surfaces in the Ries impact crater basin (Miocene, Southern Germany): State of the art and open questions. - Schriftenreihe der Deutschen Geologischen Gesellschaft 85 [GeoFrankfurt 2014, 21.-24. September 2014]: 186, Frankfurt a.M., [talk].
- Arp, G. & Head, J. (2014b): Post-Impact Crater Lake Formation on Earth & Mars: Stages in the Evolution from Closed-Basin to Open-Basin Lake in the Ries Crater, Germany. - 45th Lunar and Planetary Science Conference, 17.-21. March 2014, The Woodlands/Texas, abstract #1257 [poster]
- Arp, G. & Head, J. (2014a): Sedimentary Conglomerates inside Impact Crater Lakes (Ries Crater, Germany): Pre-Processing, Provenance, Transport Distances and Implications for Gale Crater, Mars. - 45th Lunar and Planetary Science Conference, 17.-21. March 2014, The Woodlands/Texas, abstract #1259 [poster]
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