

The first 50 publications based on citations (Addi Bischoff)

H-Index = 41

Stand: 17. 1. 2018

Citations

- 1 – 240 Metzler K., Bischoff A., and Stöffler D.: Accretionary dust mantles in CM-chondrites: Evidence for nebula processes. *Geochim. Cosmochim. Acta* 56, 2873-2897 (1992).
- 2 – 194 Kleine T., Mezger K., Münker C., Palme H., and Bischoff A.: ^{182}Hf - ^{182}W isotope systematics of chondrites, eucrites, and martian meteorites: Chronology of core formation and early mantle differentiation in Vesta and Mars. *Geochim. Cosmochim. Acta* 68, 2935-2946 (2004).
- 3 – 162 Bischoff A. and Keil K.: Al rich objects in ordinary chondrites: Related origin of carbonaceous and ordinary chondrites and their constituents. *Geochim. Cosmochim. Acta* 48, 693-709 (1984).
- 4 – 147 Stöffler D., Bischoff A., Buchwald V., and Rubin A.: Shock effects in meteorites. In "Meteorites and the Early Solar System" (eds. J. Kerridge and M.S. Matthews), 165-202, University of Arizona Press, Tucson (1988).
- 5 – 143 Bischoff A., Scott E. R. D., Metzler K., and Goodrich C. A.: Nature and Origins of meteoritic breccias. Book chapter in "Meteorites and the Early Solar System II" (eds. D.S. Lauretta and H.Y. McSween Jr.), 679-712, Univ. of Arizona, Tucson (2006).
- 6 – 134 Bischoff A. and Stöffler D.: Shock metamorphism as a fundamental process in the evolution of planetary bodies: Information from meteorites. *Europ. J. Mineral.* 4, 707-755 (1992).
- 7 – 106 Endreß M., Zinner E., and Bischoff A.: Early aqueous activity on primitive meteorite parent bodies: Evidence from ^{53}Mn . *Nature* 379, 701-703 (1996).
- 8 – 97 Bischoff A., Palme H., Schultz L., Weber D., Weber H.W., and Spettel B.: Acfer 182 and paired samples, an iron-rich carbonaceous chondrite: Similarities with ALH 85085 and relationship to CR chondrites. *Geochim. Cosmochim. Acta* 57, 2631-2648 (1993).
- 9 – 89 Schulze H., Bischoff A., Palme H., Spettel B., Dreibus G., and Otto J.: Mineralogy and chemistry of Rumuruti: The first meteorite fall of the new R chondrite group. *Meteoritics* 29, 275-286 (1994).
- 10 – 87 Bischoff A., Palme H., Ash R.D., Clayton R.N., Schultz L., Herpers U., Stöffler D., Grady M.M., Pillinger C.T., Spettel B., Weber H., Grund T., Endreß M., and Weber D.: Paired Renazzo-type (CR) carbonaceous chondrites from the Sahara. *Geochim. Cosmochim. Acta* 57, 1587-1603 (1993).

- 11 – 77 Greshake A., Klöck W., Arndt P., Maetz M., Flynn G. J., Bajt S., and Bischoff A.: Heating experiments simulating atmospheric entry heating of micrometeorites: Clues to their parent body sources. *Meteoritics & Planet. Sci.* 33, 267-290 (1998).
- 12 – 75 Endreß M. and Bischoff A.: Carbonates in CI chondrites: Clues to parent body evolution. *Geochim. Cosmochim. Acta* 60, 489-507 (1996).
- 13 – 74 Bischoff A., Rubin A.E., Keil K. and Stöffler D.: Lithification of gas-rich chondrite regolith breccias by grain boundary and localized shock melting. *Earth Planet. Sci. Lett.* 66, 1-10 (1983).
- 14 – 72 Bischoff A., Horstmann M., Pack A., Laubenstein M., and Haberer S.: Asteroid 2008 TC₃ – Almahata Sitta: A spectacular breccia containing many different ureilitic and chondritic lithologies. *Meteoritics & Planetary Science* 45, 1638-1656 (2010).
- 15 – 71 Weber D., Zinner E., and Bischoff A.: Trace element abundances and Mg, Ca, and Ti isotopic compositions of grossite-containing inclusions from the carbonaceous chondrite Acfer 182. *Geochim. Cosmochim. Acta* 59, 803-823 (1995).
- 16 – 70 Bischoff A., Geiger T., Palme H., Spettel B., Schultz L., Scherer P., Bland P., Clayton R.N., Mayeda T.K., Herpers U., Michel R., and Dittrich-Hannen B.: Acfer 217 - a new member of the Rumuruti chondrite group (R). *Meteoritics* 29, 264-274 (1994).
- 17 – 63 Palme H., Spettel B., Jochum K.H., Dreibus G., Weber H., Weckwerth G., Wänke H., Bischoff A. and Stöffler D.: Lunar highland meteorites and the composition of the lunar crust. *Geochim. Cosmochim. Acta* 55, 3105-3122 (1991).
- 18 – 66 Bischoff A.: Aqueous alteration of carbonaceous chondrites: Evidence for pre-accretionary alteration - a review. *Meteoritics & Planet. Sci.* 33, 1113-1122 (1998).
- 19 – 62 Herwartz D., Pack A., Friedrichs B., and Bischoff A.: Identification of the giant impactor Theia in lunar rocks. *Science* 344, 1146-1150 (2014).
- 20 - 62 Wombacher F., Rehkämper M., Mezger K., Bischoff A., and Münker C.: Cadmium stable isotope geochemistry. *Geochim. Cosmochim. Acta* 72, 646-667 (2008)
- 21 – 61 Newton J., Bischoff A., Arden J.W., Franchi I.A., Geiger T., Greshake A., and Pillinger C.T.: Acfer 094, a uniquely primitive carbonaceous chondrite from the Sahara. *Meteoritics* 30, 47-56 (1995).
- 22 – 60 Bischoff A. and Palme H.: Composition and mineralogy of refractory metal-rich assemblages from a Ca,Al-rich inclusion in the Allende meteorite. *Geochim. Cosmochim. Acta* 51, 2733 - 2748 (1987).
- 23 – 58 Hinton R.W. and Bischoff A.: Ion microprobe magnesium isotope analysis of plagioclase and hibonite from ordinary chondrites. *Nature* 308, No. 5955, 169-172 (1984).
- 24 - 56 Makide K., Nagashima K., Krot A. N., Huss G. R., Hutcheon I. D., and Bischoff A. Oxygen- and magnesium-isotope compositions of calcium-aluminium-rich inclusions from CR2 carbonaceous chondrites. *Geochim. Cosmochim. Acta* 73, 5018-5050 (2009).
- 25 – 55 Stöffler D., Bischoff A., Borchardt R., Burghel A., Deutsch A., Jessberger E.K., Ostertag R., Palme H., Spettel B., Reimold W.U., Wacker R. and Wänke H.: Composition and evolution

of the lunar crust in the Descartes highlands, Apollo 16. Proc. Lunar Planet. Sci. 15th. J. Geophys. Res. 90, C449-C506 (1985).

- 26 – 54 Terada K., Anand M., Sokol A. K., Bischoff A., and Sano Y.: Cryptomare magmatism 4.35 Gyr ago recorded in lunar meteorite Kalahari 009. *Nature* 450, 849-852 (2007).
- 27 – 54 Bischoff A., Geiger T., Palme H., Spettel B., Schultz L., Scherer P., Schlüter J., and Lkhamsuren J.: Mineralogy, chemistry, and noble gas contents of Adzhi-Bogdo - an LL3-6 chondritic breccia with foreign clasts. *Meteoritics* 28, 570-578 (1993).
- 28 – 54 Endreß M., Keil K., Bischoff A., Spettel B., Clayton R.N., and Mayeda T.K.: Origin of dark clasts in the Acfer 059/El Djouf 001 CR2 chondrite. *Meteoritics* 29, 26-40 (1994).
- 29 – 51 Geiger T. and Bischoff A.: Formation of opaque minerals in CK chondrites. *Planet. Space Sci.* 43, 485-498 (1995).
- 30 – 51 Bischoff A. and Geiger T.: Meteorites from the Sahara: Find locations, shock classification, degree of weathering, and pairing. *Meteoritics* 30, 113-122 (1995).
- 31 – 51 Bischoff A. and Keil K.: Ca-Al-rich chondrules and inclusions in ordinary chondrites, *Nature* 303, No. 5918, 588-592 (1983).
- 32 – 50 Stelzner T., Heide K., Bischoff A., Weber D., Scherer P., Schultz L., Happel M., Schrön W., Neupert U., Michel R., Clayton R. N., Mayeda T. K., Bonani G., Haidas I., Ivy-Ochs S., and Sutter M.: An interdisciplinary study of weathering effects in ordinary chondrites from the Acfer region, Algeria. *Meteoritics & Planet. Sci.* 34, 787-794 (1999).
- 33 - 48 Grün E., Bar-Nun A., Benkhoff J., Bischoff A., Düren H., Hellmann H., Hesselbarth P., Hsiung P., Keller H.U., Klinger J., Knölker J., Kochan H., Kohl H., Kölzer G., Krankowsky D., Lämmerzahl P., Mauersberger K., Neukum G., Oehler A., Ratke L., Roessler K., Spohn T., Stöffler D., and Thiel K.: Laboratory simulation of cometary processes: Results from first KOSI experiments. In "Comets in the Post-Halley Era" (eds. R.L. Newburn, M. Neugebauer, and J. Rahe), Kluwer Academic Publishers, Dordrecht, The Netherlands, Vol. 1, 277-297 (1991).
- 34 – 46 Bischoff A., Keil K. and Stöffler D.: Perovskite-hibonite-spinel-bearing inclusions and Al-rich chondrules and fragments in Enstatite chondrites. *Chem. Erde* 44, 97 - 106 (1985).
- 35 – 45 Weber D. and Bischoff A.: The occurrence of grossite (CaAl₄O₇) in chondrites. *Geochim. Cosmochim. Acta* 58, 3855-3877 (1994).
- 36 - 44 Bischoff A., Vogel N., and Roszjar J.: The Rumuruti chondrite group – Invited Review. *Chemie der Erde - Geochemistry* 71, 101-134 (2011).
- 37 – 43 Bischoff A. and Stöffler D.: Chemical and structural changes induced by thermal annealing of shocked feldspar inclusions in impact melt rocks from Lappajärvi Crater, Finland. *Proc. Lunar Planet. Sci. Conf. 14th, J. Geophys. Res.* 89, B645 - B656 (1984).
- 38 – 42 Bischoff A., Weber D., Clayton R. N., Faestermann T., Franchi I. A., Herpers U., Knie K., Korschinek G., Kubik P. W., Mayeda T. K., Merchel S., Michel R., Neumann S., Palme H., Pillinger C. T., Schultz L., Sexton A. S., Spettel B., Verchovsky A. B., Weber H. W., Weckwerth G., and Wolf D.: Petrology, chemistry, and isotopic compositions of the Lunar highland regolith breccia Dar al Gani 262. *Meteoritics & Planet. Sci.* 33, 1243-1257 (1998).

- 39 – 42 Morlok A., Bischoff A., Stephan T., Floss C., Zinner E. K., and Jessberger E. K.: Brecciation and chemical heterogeneities of CI chondrites. *Geochim. Cosmochim. Acta* 70, 5371-5394 (2006).
- 40 – 42 Bischoff A., Palme H., Weber H.W., Stöffler D., Braun O., Spettel B., Begemann F., Wänke H. and Ostertag R.: Petrography, shock history, chemical composition and noble gas content of the lunar meteorites Y-82192 and Y-82193. *Mem. Natl. Inst. Polar Res., Spec. Issue*, 46, 21-42 (1987).
- 41 – 41 Münker C., Weyer S., Mezger K., Rehkämper M., Wombacher F. and Bischoff A.: ^{92}Nb - ^{92}Zr and the early differentiation of planetary bodies. *Science* 289, 1538-1542 (2000)
- 42 – 40 Beckerling W. and Bischoff A.: Occurrence and composition of relict minerals in micrometeorites from Greenland and Antarctica - Implications for their origins. *Planet. Space Sci.* 43, 435-449 (1995).
- 43 - 39 Bischoff A. and Keil K.: Catalog of Al-rich chondrules, inclusions and fragments in ordinary chondrites. Special Publication No.22, UNM, Institute of Meteoritics, Albuquerque, 1-33 (1983).
- 44 – 37 Bischoff A., Palme H. and Spettel B.: Al-rich chondrules from the Ybbsitz H4-chondrite: Evidence for formation by collision and splashing. *Earth Planet. Sci. Lett.* 93, 170-180 (1989).
- 45 – 37 Haack H., Grau T., Bischoff A., Horstmann M., Wasson J., Sorensen A., Laubenstein M., Ott U., Palme H., Gellissen M., Greenwood R., Pearson V., Franchi I., Gabelica Z., and Schmitt-Kopplin P.: Maribo – a new CM fall from Denmark. *Meteoritics & Planetary Science* 47, 30-50 (2012).
- 46 – 36 Greshake A., Hoppe P., and Bischoff A.: Mineralogy, chemistry, and oxygen isotopes of refractory inclusions from micrometeorites and interplanetary dust particles - a review. *Meteoritics & Planet. Sci.* 31, 739-748 (1996).
- 47 – 34 Metzler K. and Bischoff A.: Constraints on chondrite agglomeration from fine-grained chondrule rims. Book chapter in: "Chondrules and the Protoplanetary Disk" (eds. R.H. Hewins, R.H. Jones, and E.R.D. Scott), 153-162, Cambridge University Press (1996).
- 48 – 34 Bischoff A., Palme H., Spettel B., Clayton R.N., Mayeda T. K.: The chemical composition of dark inclusions from the Allende meteorite. *Lunar Planet. Sci. XIX*, 88 - 89, Lunar and Planetary Institute, Houston (1988).
- 49 – 34 Ostertag R., Stöffler D., Bischoff A., Palme H., Schultz L., Spettel B., Weber H., Weckwerth G., and Wänke H.: Lunar meteorite Yamato 791197: Petrography, shock history and chemical composition. *Mem. Natl. Inst. Polar Res., Spec. Issue*, 41, 17 - 44 (1986).
- 50 – 31 Horstmann M. and Bischoff A.: The Almahata Sitta polymict breccia and the late accretion of Asteroid 2008 TC₃ - Invited Review. *Chemie der Erde - Geochemistry* 74, 149-184 (2014).