

Papers

Nie, J., Peng, W., **Pfaff, K.**, Möller, A., Garzanti, E., Andò, S., Stevens, T., Bird, A., Chang, H., Song, Y., Liu, S., Ji, J., 2013, Controlling factors on heavy mineral assemblages in Chinese loess and Red Clay. *Palaeography, Palaeoclimatology, Palaeoecology*, 381-382, 110-118.

Pfaff, K., Staude, S., Markl, G., 2012. On the origin of sellaite (MgF_2)-rich deposits in Mg-poor environments. *American Mineralogist*, 97, 1987-1997.

Staude, S., Mordhorst, T., Nau, S., **Pfaff, K.**, Bruegmann, G., Jacob, D.E., Markl, G., 2012. Hydrothermal carbonates of the Schwarzwald ore district, southwestern Germany: Carbon source and conditions of formation using $\delta^{18}\text{O}$, $\delta^{13}\text{C}$, $^{87}\text{Sr}/^{86}\text{Sr}$, and fluid inclusions. *Canadian Mineralogist*, 50, 1401-1434.

Stroebele, F., Staude, S., **Pfaff, K.**, Premo, W.R., Hildebrandt, L.H., Baumann, A., Pernicka, E., Markl, G., 2012. Pb isotope constraints on fluid flow and mineralization processes in SW Germany. *Neues Jahrbuch fuer Mineralogie*, 189, 287-309.

Pfaff, K., Koenig, A., Wenzel, T., Ridley, I., Hildebrandt, L.H., Leach, D.L., Markl, G., 2011. Trace and minor element variations and sulfur isotopes in crystalline and colloform ZnS: Incorporation mechanisms and implications for their genesis. *Chemical Geology*, 286, 118-134.

Staude, S., Göb, S., **Pfaff, K.**, Ströbele, F., Premo, W.R., Markl, G., 2011. Deciphering fluid sources of hydrothermal systems: A combined Sr- and S-isotope study on barite (Schwarzwald, SW Germany). *Chemical Geology*, 286, 1-20.

Schilling, J., Wu, F.-Y., McCammon, C., Wenzel, T., Marks, M.A.W., **Pfaff, K.**, Jacob, D.E., Markl, G., 2011. The compositional variability of eudialyte-group minerals. *Mineralogical Magazine*, 75, 87-115.

Danisik, M., **Pfaff, K.**, Evans, N.J., Manoloukos, C., Staude, S., McDonald, B.J., Markl, G., 2010. Tectonothermal history of the Schwarzwald Ore District (Germany): An apatite triple dating approach. *Chemical Geology*, 278, 58-69.

Pfaff, K., Hildebrandt, L.H., Leach, D.L., Jacob, D.E., Markl, G., 2010. Formation of the Mississippi Valley-Type Zn-Pb-Ag deposit in the extensional setting of the Upper Rhinegraben in the Wiesloch area, SW Germany. *Mineralium Deposita*, 45, 647-666.

Staude, S., Dorn, A., **Pfaff, K.**, Markl, G., 2010. Assemblages of Ag-Bi sulfosalt and conditions of their formation: the type locality of schapbachite ($\text{Ag}_{0.4}\text{Pb}_{0.2}\text{Bi}_{0.4}\text{S}$) and neighbouring mines in the Schwarzwald ore district, Southern Germany. *Canadian Mineralogist*, 48, 441-466.

Pfaff, K., Wenzel, T., Schilling, J., Marks, M.A.W., Markl, G., 2010. A fast and easy-to-use approach to cation assignment for eudialyte-group minerals. *Neues Jahrbuch für Mineralogie*, 187/1, 69-81.

Pfaff, K., Romer, R.L., Markl, G., 2009. U-Pb ages of ferberite, chalcedony, agate, 'U-mica' and pitchblende: constraints on the mineralization history of the Schwarzwald ore district. *European Journal of Mineralogy*, 21, 817-836.

Pfaff, K., Krumrei, T., Marks, M., Wenzel, T., Rudolf, T., Markl, G., 2008. Chemical and physical evolution of the 'lower layered sequence' from the nepheline syenitic Ilímaussaq intrusion, South Greenland: implications for the origin of magmatic layering in peralkaline felsic liquids. *Lithos*, 106, 280-296.

Abstracts

Pfaff, K., Graham, G.E., 2013, The Black Butte Cu-(Co-Ag) deposit, Montana: A thermodynamic model. GSA Annual Meeting & Exposition, Denver, Colorado, USA.

Pfaff, K., Graham, G.E., Dye, M., 2013, SEM-Based Quantitative Mineralogy in Economic Geology – The Black Butte Cu-Co Deposit as an Example. SEG 2013: Geoscience for Discovery, Whistler, Canada.

Kelley, K.D., Benzel, W., **Pfaff, K.**, 2013, Metal enrichment (Mo-Ni-V-Zn) in oil shale of the Heath Formation, Montana, USA. 12th SGA Biennial Meeting, Uppsala, Sweden.

Ratschbacher, B., **Pfaff, K.**, Marks, M., Markl, G., 2011, Geochemical trends within the lujavrites of the Ilímaussaq intrusion, SW Greenland. *Peralk-Carb 2011 Abstract Volume*, 124-125.

Pfaff, K., Wenzel, T., Hildebrandt, L.H., Markl, G., 2010, From Ag-rich sphalerite in a MVT Zn-Pb-Ag deposit to native Ag in the nonsulfide Zn-Ag oxidation zone: an example from the Wiesloch deposit in SW Germany. SEG 2010 conference.

Danišík, M., **Pfaff, K.**, Evans, N.J., Manoloukos, C., Staude, S., McDonald, B.J., Markl, G., 2010, Tectonothermal history of the Black Forest (Germany): A triple dating approach on a single apatite sample. *Goldschmidt 2010*.

Pfaff, K., Hildebrandt, L.H., Markl, G., 2009, The Nonsulfide Zn-Ag Mineralization in Wiesloch, SW Germany. *Hallesches Jahrbuch für Geowissenschaften* 31, 180.

Pfaff, K., Wagner, T., Markl, G., 2009, Fluid Mixing Recorded by Mineral Assemblage and Mineral Chemistry in a Mississippi Valley-Type Pb-Zn-Ag Deposit in Wiesloch, SW Germany. *Geochemical Exploration* 101(1), 81.

Pfaff, K., Ströbele, S., Markl, G., 2008, The Mississippi Valley-Type deposit of Wiesloch, SW Germany: mineralogy, geochemistry and archaeometry. HiMAT ConferenceGuide, 3. Milestone Meeting, 32.

Pfaff, K., Markl, G., 2008, MVT deposits in an extensional setting: structural control on fluid flow and its importance for trace element mineral chemistry in the Wiesloch deposit, Germany. DMG Abstract Volume S11T03.

Pfaff, K., Krumrei, T., Rudolf, T., Markl, G., 2007, Fractionation processes in the layered Ilímaussaq nepheline syenite. *Geochimica et Cosmochimica Acta* 71(15), A783.