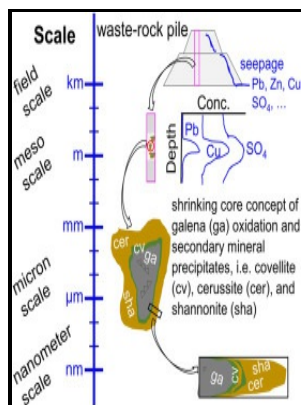


# Analysis of the oxidation of chalcopyrite, chalcocite, galena, pyrrhotite, marcasite, and arsenopyrite

U.S. Dept. of the Interior, Bureau of Mines - Extraction and Quantitative Analysis of Elemental Sulfur from Sulfide Mineral Surfaces by High



Description: -

Oxidation.

Pyrites. Analysis of the oxidation of chalcopyrite, chalcocite, galena, pyrrhotite, marcasite, and arsenopyrite

- 9118.

Report of investigations (United States. Bureau of Mines) ;

9118

Report of investigations ; Analysis of the oxidation of chalcopyrite, chalcocite, galena, pyrrhotite, marcasite, and arsenopyrite

Notes: Bibliography: p. 16.

This edition was published in 1987



Filesize: 8.810 MB

Tags: #Honker #(ARDF ##NL018) #Ag, #Au

NIOSHTIC

P— T estimates for silicate metamorphic zones are from and.

## Magnetite in sulphide ores

Solid solution fields are indicated with dark shading, joined to other phases by light grey two-phase fields.

## High

Although thermodynamic evaluation is limited because of the lack of data for the iss, fS 2— T and P— T plots for chalcopyrite-bearing assemblages will give at least an indication of the nature of the Cu—Fe—S system phase topological evolution at high pressure, given the close structural and compositional similarity between chalcopyrite and iss. The difference in chalcopyrite stability limit between datasets is 0.25 GPa at low T to 0.45 GPa at higher T. Cox and Singer, 1 The above list contains all mineral locality references listed on mindat.

## Reflected Light

As in the lower pressure runs, pyrite grew along grain boundaries. Investigation of energy gene expressions and community structures of free and attached acidophilic bacteria in chalcopyrite bioleaching. Long-dashed lines show fS 2 at the Pt—PtS buffer.

## Honker Prospect, Kaiyuh Mining District, Yukon

The larger vein Main Vein or Honker East may be as long as 950 meters, has a true thickness identified by drilling of 1-5 meters, and a vertical extent of 150 meters.



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