

1

Anodic Reaction of Arsenopyrite in Ammoniacal Solutions

FANG Zhao-heng, YU Jing-kai

Institute of Chemical Metallurgy, Chinese Academy of Sciences, Beijing 100080, China

收稿日期 修回日期 网络版发布日期 接受日期

摘要 Anodic dissolution of arsenopyrite in ammoniacal solution has been investigated by electrochemical methods. The process is an irreversible reaction with formation of a ferric oxidized film and is retarded by the film. The process rate is controlled by the electrochemical reaction on the electrode surface in the lower temperature range, or alternatively by the diffusion through the film in the higher temperature range. The overall reaction has 14 electron transferred and can be expressed by

关键词 [arsenopyrite](#) [anodic process](#) [ammoniacal solution](#)

分类号 [TF521+.4](#) [TQ126.4](#)

DOI:

对应的英文版文章: [2011-010](#)

通讯作者:

作者个人主页: FANG Zhao-heng; YU Jing-kai

扩展功能

本文信息

▶ [Supporting info](#)

▶ [PDF](#) (135KB)

▶ [\[HTML全文\]](#) (0KB)

▶ [参考文献\[PDF\]](#)

▶ [参考文献](#)

服务与反馈

▶ [把本文推荐给朋友](#)

▶ [加入我的书架](#)

▶ [加入引用管理器](#)

▶ [引用本文](#)

▶ [Email Alert](#)

相关信息

▶ [本刊中 包含“arsenopyrite”的相关文章](#)

▶ 本文作者相关文章

· [FANG Zhao-heng](#)

· [YU Jing-kai](#)