

### 论文摘要

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## 低硫高硅低品位铜钴混合精矿的处理

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**摘 要:** 遵循经济可行、技术成熟的原则对某低硫高硅低品位复杂铜钴精矿处理方案的选择进行论述; 采用硫酸化焙烧—硫酸浸出铜、钴、镍、锌—萃取分离铜—碳酸钙中和除铁—P204萃取除锌—中和沉淀富集钴、镍—钴、镍渣酸浸—氟化铵除钙镁—P204萃取除杂—Cyanex272萃取分离镍、钴的工艺方案, 预期可以较好地解决该铜钴矿床的经济开发问题。

**关键字:** 铜; 钴; 镍

## Processing of low-grade copper and cobalt mixed concentrate with low sulfur and high silicon

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**Abstract:** Based on the principle of economy feasibility and technology invalidity, the selection of technologies for processing low-grade copper and cobalt mixed concentrate with low sulfur and high silicon was addressed. The presented technology is anticipated to preferably solve the problems for economically exploring the copper and cobalt mixed ore deposit.

**Key words:** copper; cobalt; nickel

