

## Analysis of Xijiang river water quality and research on its water environmental capacity

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**Abstract:** The water quality of Zhaoqing section of main stream of Xijiang river is evaluated by the single factor assessment, and the water quality change trend of Xijiang river is analyzed by Spearman's order correlation coefficient, in the light of water quality data of three monitoring sections such as Fengkai jiangkou, Liudu water factory of Yunfu, and Gaoyao in recent years. The water environmental capacity of some pollutants is calculated according to the objectives of water quality. It is pointed out that the influence of nonpoint source pollution on the water quality of Xijiang river is heavy, and the water quality of Xijiang river already become a downward trend.

**Key words:** xijiang river; Zhaoqing; water quality trend; water environmental capacity

## HIRS 永磁辊式系列磁选机



广州有色金属研究院选矿所设备中心生产的稀土永磁辊式系列磁选机是专用于高纯微细粒非磁性物料或富集弱磁性物料的新型强力永磁磁选设备. 这种磁选机可回收磁化系数范围较宽、粒度范围较宽( $<15\text{ mm}$ )的物料. 具有磁场强度高(可达  $15000\text{ GS}$ ), 能耗低, 处理量大, 分选精度高的特点, 是纯化非磁性物料最有效的磁选设备之一.

应用范围:

1. 化工、陶瓷、涂料、填料、玻璃、建材、冶金、电子、制药、非金属矿山等行业物料的除铁及深加工.
2. 钛铁矿、赤铁矿、铬铁矿、金红石、独居石等弱磁性矿物的富集.

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