

## عنوان مقاله:

Estimation of Mass Transfer Coefficient in Different Regions of Forced Circulation Airlift Loop Reactor

## محل انتشار:

هفتمین کنگره ملی مهندسی شیمی (سال: 1390)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

In this study, a power correlation for prediction of the mass transfer coefficient has been suggested for each regions of Forced-Circulation-Internal-Airlift-Loop Reactor (FCIALR). Based on experimental data, the parameters of power correlation versus superficial gas velocity were determined for five regions, with high degree of confidence. The mass transfer coefficient increases with increasing the superficial gas velocity in all regions of the reactor. The feed affected region has the greatest mass transfer coefficient and, contributing more than other region of FCIALR

## کلمات کلیدی:

Airlift reactor, superficial gas velocity, Mass transfer coefficient, Power correlation

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/340795>

