

## عنوان مقاله:

Temporal evolution of aggregates created by short laser pulses: evaporation and condensation

## محل انتشار:

همایش کاربرد نانوتکنولوژی در صنایع نفت و پتروشیمی (سال: 1390)

تعداد صفحات اصل مقاله: 6

## نویسندگان:

Pooyan Forooghy zadeh - *Islamic azad university, Gachsaran branch*

Mina Alizadeh - *Islamic azad university, Gachsaran branch*

## خلاصه مقاله:

The numerical study of the behavior of a gas plume and a nano-aggregates created during the short pulse laser ablation is studied by the method of molecular dynamics. During the evolution of a nanoparticle, two phenomena coexist: the city (or aggregation) and evaporation. The threshold temperature of the nanoparticle from which evaporation is dominant is determined. The presence of the plume gas modifies this behavior. On the other hand, the condensation of this gas is a significant parameter in the continuation of this study

## کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/112640>

