

## عنوان مقاله:

Investigation of nanocarbide precipitation under the heat treatment

## محل انتشار:

سومین کنفرانس بین المللی عملیات حرارتی مواد (سال: 1391)

تعداد صفحات اصل مقاله: 5

## نویسندگان:

m Farnoudi - *Department of Mining and Metallurgical Engineering, AmirKabir University of Technology, Tehran, Iran*

m Ketabchi

M. Abbasi

M.H Hasannia

## خلاصه مقاله:

The effects of Nb, Nb–Mo microalloy additions on the precipitation strengthening and microstructure of two high-strength low-alloy steels were investigated. It was found that niobium molybdenum complex carbide, (Nb, Mo)C can strongly maintain nanometer-scaled size, and additionally it has the larger contribution to the hardness as compared to niobium carbide, NbC. The result emphasized that (Nb, Mo)C particles possess an excellent thermal stability characteristic

## کلمات کلیدی:

Nanocarbide, Microalloyed steel, thermal stability, heat treatment

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/153027>

