

## عنوان مقاله:

Investigation of Gold Nanocantilever Thermomechanical Behavior

## محل انتشار:

دومین کنفرانس بین المللی مهندسی برق (سال: 1396)

تعداد صفحات اصل مقاله: 7

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## خلاصه مقاله:

Due to the various applications of nanocantilevers as nanosensors and nanoactuators in nanoelectromechanical systems, understanding their behavior is of particular importance. In operating environments, nanocantilevers are simultaneously exposed to mechanical forces and heat. This study aims to examine the behavior of gold nanocantilever when it is placed under mechanical loads and exposed to heat at the same time. In this paper, the effects of temperature and force on the flexural behavior of the nanocantilever are investigated via molecular dynamics simulation method

## کلمات کلیدی:

Molecular dynamics, nanocantilever, thermomechanical behavior, simulation, modeling

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/698457>

