

عنوان مقاله:

Assessment of magnetization reversal of electrodeposited CoNi/Cu multilayer nanowires with the bilayer thickness

محل انتشار:

دومین کنگره بین المللی علوم و فناوری نانو (سال: 1387)

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خلاصه مقاله:

Magnetic multilayer nanowires are a new interesting field due to their scientific importance in high density storage Medias and magnetic sensors, especially because of their specific aspect ratio and current perpendicular in plane giant magnetoresistive coefficient. Meanwhile, there have driven few researches considering their magnetization reversal behavior [1]. A few models have been proposed for the magnetization reversal of nanoscale magnetic objects: coherent rotation, curling, buckling, fanning, and nucleation of reversed domains. In this study, the coherent rotation and curling models are considered for the magnetization reversal of the CoNi/Cu nanowires since these models are among the most suitable for nanostructured magnetic objects, particularly nanowire systems

کلمات کلیدی:

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