

Accepted Manuscript

Title: Understanding the dense stripe domains in soft magnetic film

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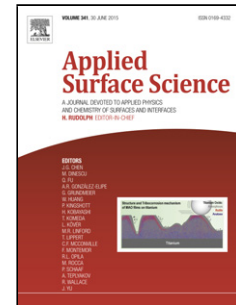
PII: S0169-4332(15)00850-8
DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2015.04.010>
Reference: APSUSC 30103

To appear in: *APSUSC*

Received date: 21-5-2014
Revised date: 28-1-2015
Accepted date: 1-4-2015

Please cite this article as: D. Wu, T. Jin, Y. Lou, F. Wei, Understanding the dense stripe domains in soft magnetic film, *Applied Surface Science* (2015), <http://dx.doi.org/10.1016/j.apsusc.2015.04.010>

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Highlight of “Understanding the dense stripe domains in soft magnetic film”

Many people believe that all energy terms will be minimized if the magnetization lies in the plane if assuming the film has no out-of-plane anisotropy. In fact, if the materials of the film are isotropy, the easy axis of the film is along the diagonal direction and not lies in the plane. Therefore, it is natural that the magnetization has out-of-plane component and this component will increase with the increasing of the film thickness. Different to the traditional domain structure, the dense stripe domains are only the fluctuation of the magnetization in the film.

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