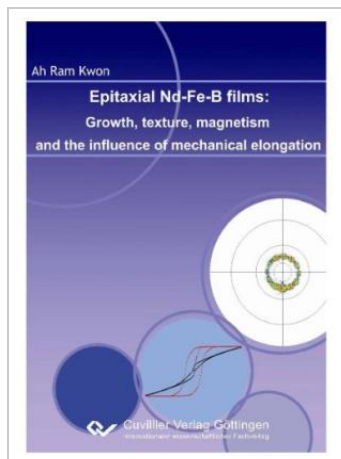




Epitaxial Nd-Fe-B films: Growth, texture, magnetism and the influence of mechanical elongation

By Ah Ram Kwon

Cuvillier Verlag Jul 2009, 2009. Taschenbuch. Condition: Neu. Neuware - The work in this thesis focuses on the preparation of epitaxial Nd-Fe-B thin films using pulsed laser deposition for good hard magnetic properties. They are suitable for a basic understanding of the intrinsic magnetic properties. Compositional control was necessary to achieve phase formation with improved magnetic properties. Nd-Fe-B samples were prepared on single crystal MgO (001) substrates with different buffer layers in order to obtain good textures with different surface morphology. 110 pp. Englisch.

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