

[초 청]

Thin film magnetism

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Abstract : The growth and properties of ultra-thin magnetic films will be reviewed. Monolayers of Fe, Co, Ni were grown on the Cu and Ag substrates using MBE. The growth and surface structures of the films were monitored using RHEED and LEED. The atomic, electronic, and magnetic properties of the as-grown and impurity-adsorbed films were studied using photoemission, surface magneto optical Kerr effect(SMOKE), thermal desorption, inverse photoemission, and other surface techniques. Results and prospects of these studies will be presented.