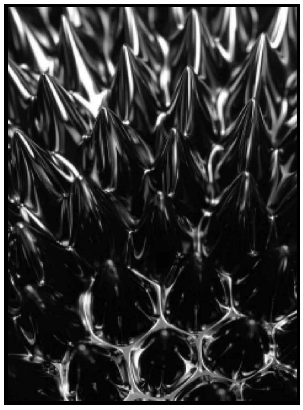
Optics in magnetic multilayers and nanostructures

CRC/Taylor & Francis - Optics in magnetic multilayers and nanostructures (Book, 2006) [tech.radiozamaneh.com]



Description: -
-
Childrens stories.
Authors, French -- 20th century -- Biography.
Daeninckx, Didier, -- 1949-
Technology -- Bibliography -- Catalogs
Science -- Bibliography -- Catalogs
Medicine -- Bibliography -- Catalogs
Painting, French -- 19th century
Painting, French
Monet, Claude, -- 1840-1926
Family -- China -- Hebei Sheng -- Miscellanea
Meacham, A. B. -- 1826-1882.
Inscriptions, Latin
Inscriptions -- Italy
Nanostructures
Thin films, Multilayered
Magnetooptical devices
MagnetoopticsOptics in magnetic multilayers and nanostructures
-
Optical science and engineering (Boca Raton, Fla.)
Optical science and engineeringOptics in magnetic multilayers and nanostructures
Notes: Includes bibliographical references and index
This edition was published in 2006

Tags: #Optical #properties #of #magnetic

Broadband stripline ferromagnetic resonance spectroscopy of ferromagnetic films, multilayers and nanostructures

This allows a different flexibility in realizing dynamic wave guides or spin-wave switches. All-Optically Reconfigurable Plasmonic Metagrating for Ultrafast Diffraction Management. In fact, oxygen annealing of the films caused a total loss of ferromagnetic ordering turning them to diamagnetic.

Broadband stripline ferromagnetic resonance spectroscopy of ferromagnetic films, multilayers and nanostructures

Therefore, while an increase in oxygen content in the samples EDS results clearly indicates physisorption of oxygen at the surface of the nanostructures, which is proportional to their specific surface area, the reduction of visible emission intensity with increasing Nb content indicates a reduction of defect structures, which is dominated by oxygen vacancies in the ZnO nanostructures. Numerical results are presented using parameters for Permalloy, YIG, and EuS.

Effect of Nb Doping on Morphology, Optical and Magnetic Behaviors of Ultrasonically Grown Zno Nanostructures

Third International Conference on Applications of Optics and Photonics. Functional Meta-Optics and Nanophotonics Governed by Mie Resonances.

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Efficient Third Harmonic Generation by Doubly Enhanced Electric Dipole Resonance in Metal-Based Silicon Nanodisks. Plasmon-enhanced magneto-optical detection of single-molecule magnets.

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Noble Metal Nanoparticles: Synthesis and Optical Properties.

Strong Magneto

Understanding how these processes occur reveals the intricate connection between the magnetisation and the spin transport, and lays foundations of a new technology called spintronics. The results indicate that incorporation of Nb 5+ ions in ZnO lattice inhibits its normal epitaxial growth along polar surfaces, probably due to the disturbance of normal surface charge balance among the polar planes of ZnO.

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