

*Magnetic Microscopy Of Layered Structures Springer Series In
Surface Sciences*



Magnetic Microscopy Of Layered Structures

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where σ is the electron spin angular momentum and L is the orbital angular momentum, c is the speed of light, e is the unit electronic charge, r is the radius of the orbit, and m_e is the mass of an electron. It thus demonstrates an attractive route for controlling the motion of the electron, by electric fields and can produce an effective magnetic field acting on the spins.

Skyrmions in magnetic multilayers - ScienceDirect

An electrical analogue of the magnetic-skyrmion bubble — a swirling arrangement of magnetic moments — has been unveiled in an artificially layered oxide material, raising prospects of new ...

Electrifying skyrmion bubbles - nature.com

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Postdoctoral fellow brian.ocallahan(at)pnnl.gov PNNL/EMSL. Development of low and room temperature ultrafast infrared s-SNOM at our partner laboratory PNNL/EMSL as part of the user facility to image biological and environmental systems. Experience with tracking ultrafast Surface Plasmon Polariton pulses in space and time using heterodyne detection technique.

Group - University of Colorado Boulder

The Royal Swedish Academy of Sciences has decided to award Jacques Dubochet, Joachim Frank and Richard Henderson the Nobel Prize for Chemistry 2017 for "developing cryo-electron microscopy for the high-resolution structure determination of biomolecules in solution".

Cryo-EM | Gatan, Inc.

A memristor (*/ ' m ε m r ɪ s t ə r /*; a portmanteau of memory resistor) is a hypothetical non-linear passive two-terminal electrical component relating electric charge and magnetic flux linkage. It was envisioned, and its name coined, in 1971 by circuit theorist Leon Chua. According to the characterizing mathematical relations, the memristor would hypothetically operate in the following way ...

Memristor - Wikipedia

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Polymer/layered silicate nanocomposites: a review from ...

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Silicene - Wikipedia

The ambipolar ferromagnetism in polar/nonpolar LaMnO_{3+δ}/SrTiO₃ heterostructures is studied by macroscopic magnetic measurements, atomic-scale scanning transmission electron microscopy, and electron energy loss spectroscopy. Electronic reconstruction generates electron-doped ferromagnetism in LaMnO₃ interfacial 3 unit cells, while oxygen nonstoichiometry induces hole-doped ...

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