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# SINGLE AND COUPLED MAGNETIC ATOMS INVESTIGATED BY LOW-TEMPERATURE STM AND MODEL CALCULATIONS



Cuvillier Verlag Göttingen

Cuvillier Verlag Aug 2011, 2011. Buch. Book Condition: Neu. 210x147x14 mm. Neuware - Spin-sensitive low temperature Scanning Tunneling Microscopy (STM) measurements provide the unique capability to study structural, electronic and magnetic properties of individual and coupled magnetic atoms on surfaces with high energy resolution. In this thesis, spin-polarized STM (SP-STM) and Inelastic Scanning Tunneling Spectroscopy (ISTS) are utilized to investigate Fe atoms on the semiconducting InSb(110) surface and the metallic Cu(111) and Ag(111) surfaces. Model calculations of tunneling through an...

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- Authored by Bruno Chilian
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