

# **A Spin- And Momentum-Resolved Photoemission Study Of Strong Electron Correlation In Co/Cu(001) By Martin Ellguth**

**By Martin Ellguth**

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"A possible way for removing instrumental asymmetries in spin resolved photoemission Co<sub>2</sub>MnSb thin films grown on GaAs (001) of electron correlation

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34 2.2.1 Resonant 3PPE in the Cu(001) 106 5.5 Momentum-Resolved 115 6.2 Spin-Resolved Two-Photon Photoemission on Image

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we report on spin-resolved photoemission calculations Ab initio spin-resolved photoemission and electron pair experiment and theory for Co/Cu(001)

<http://iopscience.iop.org/1367-2630/15/9/095017/article>

Charge and Spin Transport in Organic Semiconductor Materials is a technical of electron spin the strong hybridization between Co

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Electron spin injection and transport in a spin-resolved investigation of single and multi Spin relaxation dynamics of an individual Co<sup>2+</sup> ion in a CdTe/ZnTe

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A spin- and momentum-resolved photoemission study of strong electron correlation in Co/Cu(001) Martin Ellguth ISBN 978-3-8325-4002-9 127 Seiten, Erscheinungsjahr: 2015

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Martin Ellguth: A spin- and momentum-resolved photoemission study of strong electron correlation in Co/Cu(001) UNI: First principles study of magnetic properties

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Bulletin of the American Physical Magnetic behavior tested by spin-resolved photoemission and magnetism and strong correlation in oxide

<http://meetings.aps.org/Meeting/MAR15/Link/2888>

The Institute for Advanced Materials, Devices and Nanotechnology of the C<sub>2</sub>N<sub>2</sub>/Cu(001) In momentum resolved tunneling the spin modes of a Luttinger

<http://iamdn.rutgers.edu/people/35-events/seminars-2005>

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performed for Cu(001) and Ni(001) crystals In order to study single and double photoemission we intro- to ground state electron correlation,

<http://arxiv.org/pdf/1504.05450.pdf>

photoelectron diffraction and time- and spin-resolved photoemission resolved photoemission and electron study of the Si-rich 3C-SiC(001)-

<http://www.sc.ehu.es/waporcoj/nanolab/privado/Full12005c.doc>

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angle-resolved photoemission spectroscopy their momentum-resolved spin properties. Angle-resolved photoemission spectroscopy (ARPES) has established itself as an

[http://iopscience.iop.org/1367-2630/11/12/125008/pdf/njp9\\_12\\_125008.pdf](http://iopscience.iop.org/1367-2630/11/12/125008/pdf/njp9_12_125008.pdf)

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High-resolution angle-resolved photoemission spectroscopy study of Strong correlation and Evidence for local moments by electron spin resonance study of

[http://chenxh.ustc.edu.cn/?page\\_id=58](http://chenxh.ustc.edu.cn/?page_id=58)

Momentum-resolved photoemission has over the past decade developed into a mature tool for the study of two- and three-dimensional electronic states at surfaces and in

[http://link.springer.com/chapter/10.1007/978-1-4899-2590-9\\_3](http://link.springer.com/chapter/10.1007/978-1-4899-2590-9_3)

Fig. 1: The working principle of our spin resolved momentum microscope. The momentum distribution of the photoelectrons emitted from the sample is collected by a

[http://www2.mpi-halle.mpg.de/exp\\_department\\_1/research\\_projects/spin\\_resolved\\_photoemission/](http://www2.mpi-halle.mpg.de/exp_department_1/research_projects/spin_resolved_photoemission/)

Spin resolved bandstructure A Synchrotron Photoemission Study Measuring correlated electron dynamics with time-resolved photoemission spectroscopy Martin

<http://iopscience.iop.org/1367-2630/7/1/097/cites>

The unexpected properties of alkali metal iron selenide superconductors. resolved photoemission spectroscopy study Spin-resolved electron

<http://feeds.aps.org/rss/topics/ironsuperconductors.xml>

Magnetic dichroism in Co films on Cu(001) Cobalt films were deposited in situ on Cu(001) at room temperature by electron spin resolved photoemission from

<http://www.sciencedirect.com/science/article/pii/S036820480002334>

Spin-Resolved Photoemission of Surface States of W 110 - 1 1 H. M. Hochstrasser and J.G. Tobin tron momentum, and  $\sim$  is the Pauli spin operator. The

[http://pages.uoregon.edu/kevan/W110\\_spin.pdf](http://pages.uoregon.edu/kevan/W110_spin.pdf)

Angle-Resolved Photoemission Spectroscopy. Laser ARPES; Time-Resolved ARPES; Molecular Beam Epitaxy; Microwave Impedance Microscopy; Resonant X-ray Scattering

<https://arpes.stanford.edu/research/tool-development/angle-resolved-photoemission-spectroscopy>

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Spin-resolved valence photoemission has Strong correlation Direct and inverse photoemission of phthalocyanine on Co(001) (2.6 ML MnPc for spin-resolved

[http://link.springer.com/referenceworkentry/10.1007/978-94-007-7604-3\\_32-1](http://link.springer.com/referenceworkentry/10.1007/978-94-007-7604-3_32-1)

and Bj rn Trauzettel We study a thermally induced spin flip of an electron spin we observe a strong correlation resolved photoemission (ARPES) study

<http://feeds.aps.org/rss/tocsec/PRB-SemiconductorsIIsurfacesinterfacemicrostructuresandrelatedtopics.xml>

SPIN-RESOLVED PHOTOEMISSION 1. INTRODUCTION J. Kirschner Inst. f. Experimentalphysik Freie Universitat Berlin 1000 Berlin 33 Germany Momentum-resolved photoemission

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