

Scanning Probe Methods Group, Prof. Dr. Roland Wiesendanger

Publications: Book Contributions and Review Articles

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Book Contributions

Magnetic Skyrmions on Discrete Lattices

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K. von Bergmann, A. Kubetzka, O. Pietzsch, and R. Wiesendanger, in:

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Magnetization dynamics on the atomic scale

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Atomic-Scale Spintronics

J. Brede, B. Chilian, A. A. Khajetoorians, J. Wiebe, and R. Wiesendanger, in:

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Nanotechnologie in Hamburg: neue Impulse für die Datenspeicherung der Zukunft

H. Fuchs and R. Wiesendanger, in:

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Magnetic Exchange Force Spectroscopy

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D. Z. Gao, A. Schwarz and A. L. Shluger, in:

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Revealing Subsurface Vibrational Modes by Atomic-Resolution Damping Force Spectroscopy

M. Ashino and R. Wiesendanger, in:

Non-Contact Atomic Force Microscopy Vol. 3 (ed. by S. Morita, F. J. Giessibl, E. Meyer, and R. Wiesendanger), Springer (2015), p.127

Atomic Scale Magnetism Studied by Spin-Polarized Scanning Tunneling Microscopy

Oswald Pietzsch and Roland Wiesendanger, in:

Fundamentals of Picoscience (ed. by Klaus D. Sattler), CRC Press (2013), p.413-445

Spin-Polarized STM and Atomic-Scale Spintronics

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Handbook of Spintronics (ed. by D. Awschalom, J. Nitta, and Y. Xu), Canopus Academic Publishing and Springer (2012)

Magnetic Sensitive Scanning Tunneling Microscopy

Kirsten von Bergmann, André Kubetzka, in:

Characterization of Materials (ed. by Elton N. Kaufmann), John Wiley and Sons (2012), p.2280

Scanning tunneling spectroscopy on III-V materials: Effects of dimensionality, magnetic field, and magnetic impurities

M. Morgenstern, J. Wiebe, F. Marczinowski, and R. Wiesendanger, in:
Quantum Materials (ed. by D. Heitmann), Springer (2010)

Scanning tunneling spectroscopy of semiconductor quantum dots and nanocrystals

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Low temperature scanning probe microscopy

M. Morgenstern, A. Schwarz, U. D. Schwarz, in:
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Magnetic ordering of the Spin Reorientation Transition in Nanostructures

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W. Allers, A. Schwarz, U. D. Schwarz, in:
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Investigation of the mechanics of nanocontacts using a vibrating cantilever technique

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