

Scanning Probe Methods Group, Prof. Dr. Roland Wiesendanger

Publications: Original Articles

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Subgroup: Magneto-Theory

Localized spin waves in isolated kpi-skyrmions

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Controlled creation and stability of π -skyrmions on a discrete lattice

J. Hagemeister, A. Siemens, L. Rózsa, E. Y. Vedmedenko, and R. Wiesendanger, Phys. Rev. B **97** 174436 (2018)

Effective damping enhancement in noncollinear spin structures

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Inducing skyrmions in ultrathin Fe films by hydrogen exposure

P. J. Hsu, L. Rózsa, A. Finco, L. Schmidt, K. Palotas, E. Vedmedenko, L. Udvardi, L. Szunyogh, A. Kubetzka, K. von Bergmann, and R. Wiesendanger, Nature Communications **9** 1571 (2018)

Perturbative calculations of quantum spin tunneling in effective spin systems with a transversal magnetic field and transversal anisotropy

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