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COVER
Spin-resolved scanning tunneling microscopy (STM) image (width: 51.6 nanometers) of single magnetic skyrmions (gray) and a few remaining spin spiral lines in a bilayer of Pd/Fe on top of an Ir(111) surface. The magnetic STM tip is sensitive to the out-of-plane magnetization component of the sample. Skyrmions can be created and annihilated locally by injecting spin-polarized currents from the STM tip. See page 636.
Image: Group of R. Wiesendanger, University of Hamburg
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632 A Quantum Many-Body Spin System in an Optical Lattice Clock
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636 Writing and Deleting Single Magnetic Skyrmions
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640 A Semi-Floating Gate Transistor for Low-Voltage Ultrafast Memory and Sensing Operation
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643 Active Atmosphere-Ecosystem Exchange of the Vast Majority of Detected Volatile Organic Compounds
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655 Nuclear Pore Scaffold Structure Analyzed by Super-Resolution Microscopy and Particle Averaging
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