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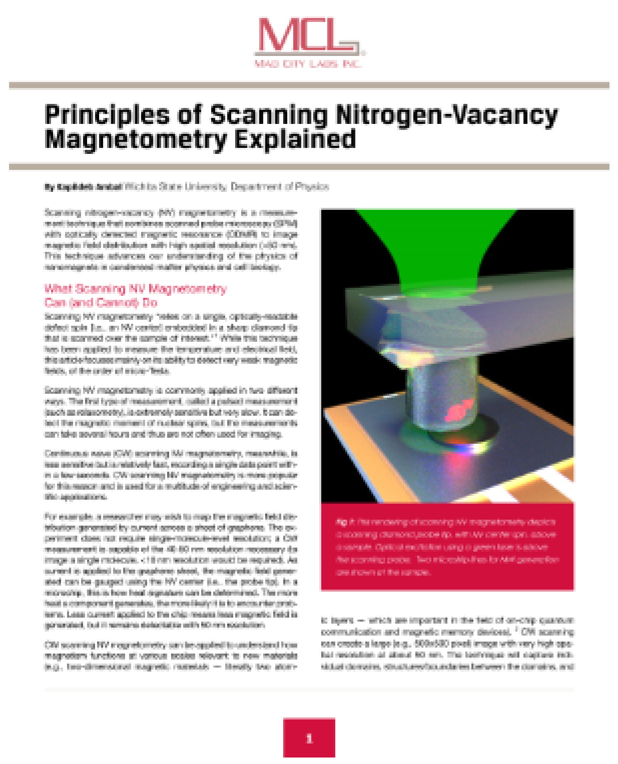
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Principles of Scanning Nitrogen-Vacancy Magnetometry Explained

What Scanning NV Magnetometry Can (and Cannot) Do

Principles of Scanning Nitrogen-Vacancy Magnetometry Explained

Scanning nitrogen-vacancy (NV) magnetometry is a measurement technique that combines scanned probe microscopy (SPM) with optically detected magnetic resonance (ODMR) to image magnetic field distribution with high spatial resolution (<50 nm). This technique advances our understanding of the physics of nanomagnets in condensed matter physics, with implications for quantum communications, and cell biology.

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