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Research articles

Magnetic properties of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ film on ferroelectric BaTiO_3 substrate

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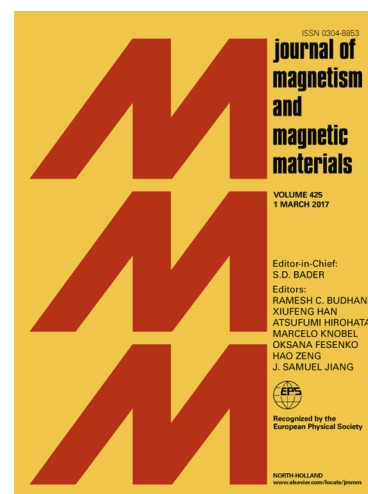
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Highlights:

- $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ film on BaTiO_3 substrate shows magneto-elastic coupling.
- Magnetization jumps in LSMO film at different phase transition temperatures of BTO.
- Higher H_C in in-plane MH loop of LSMO film when BTO is in orthorhombic phase.
- Modification of magnetic anisotropy in LSMO film via substrate induced strain.

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