

Supplementary Material for

“Ru⁺⁴ induced colossal magnetoimpedance in Ru doped perovskite manganite at room temperature”

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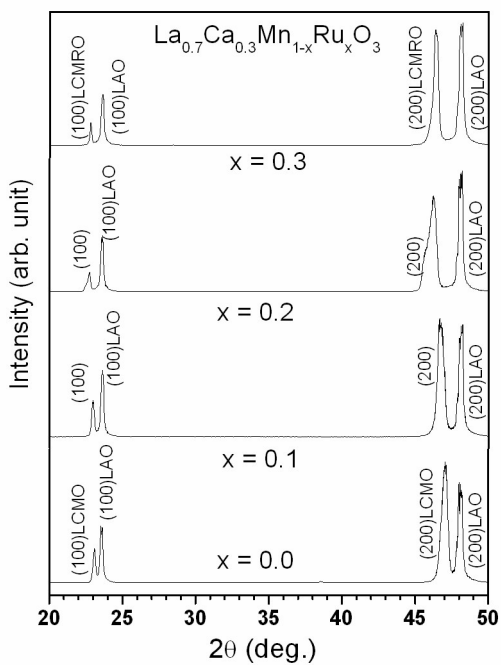


Figure S1: X- ray diffraction patterns of Pulsed Laser deposited $\text{La}_{0.7}\text{Ca}_{0.3}\text{Mn}_{1-x}\text{Ru}_x\text{O}_3$ thin films grown on LaAlO_3 (100) substrate

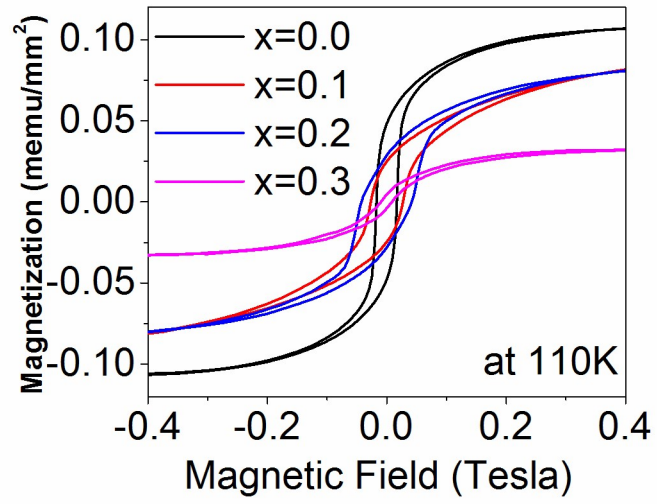


Figure S2: Magnetization vs magnetic field curve shows the hysteretic behaviour of Ru doped $\text{La}_{0.7}\text{Ca}_{0.3}\text{Mn}_{1-x}\text{Ru}_x\text{O}_3$ ($0 \leq x \leq 0.3$) thin films at 110 K