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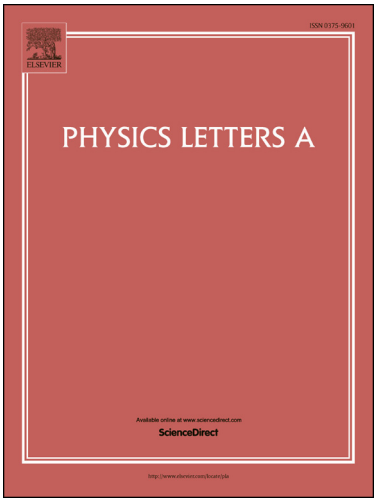

Enhanced energy storage and pyroelectric properties of highly (100)-oriented $(Pb_{1-x-y}La_xCa_y)Ti_{1-x/4}O_3$ thin films derived at low temperature

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Highlights

- (100)-oriented PLCT thin films were achieved at a low temperature of 450 °C.
- The PLCT films showed significant different electrical properties.
- The PLCT10 film had the best overall electrical properties.
- The W_{re} and the p of PLCT10 film are 15 J/cm^3 and 190 μC/m^{2}K, respectively.