Supporting information

Metal-like electrical conductivity in $La_xSr_{2-x}TiMoO_6$ oxides for high temperature thermoelectric power generation

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Figure S1 shows the Rietveld refinement of all $La_xSr_{2-x}TiMoO_6$ samples using cubic structure with $Pm\bar{3}m$ space group. It is evident from Figure-S1 that all the LSTM compositions show good fit to cubic structure with $Pm\bar{3}m$ space group. To demonstrate quality of our Rietveld refinement, Figure-S2 is appended below showing the Rietveld refinement of (111) and (200) pseudocubic profile fitting.

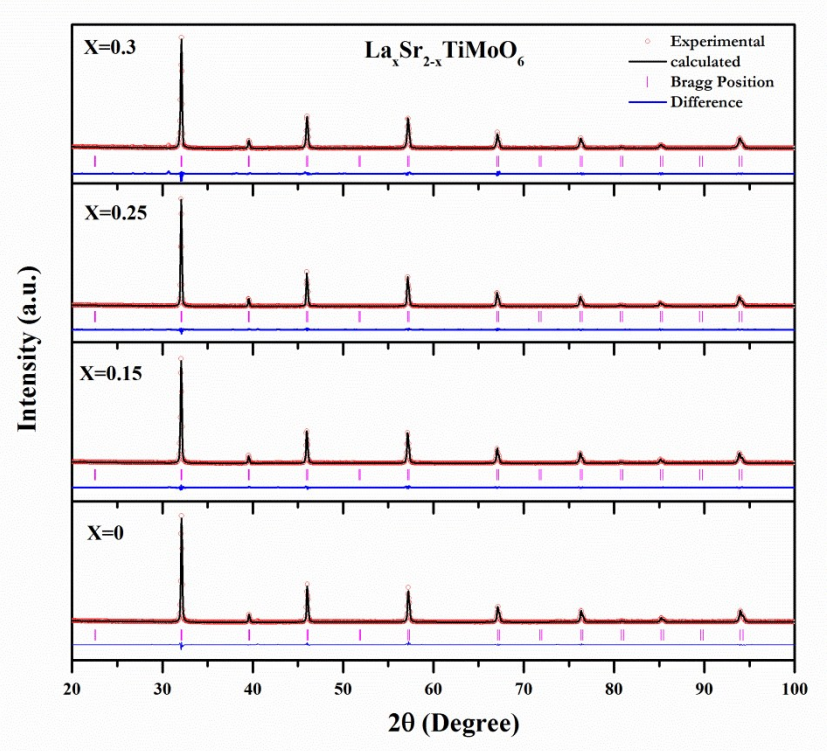

Figure S1. Rietveld refinement of XRD data for $La_xSr_{2-x}TiMoO_6$ with x=0, 0.15, 0.25, 0.3 using the Cubic symmetry of space group $Pm\bar{3}m$.

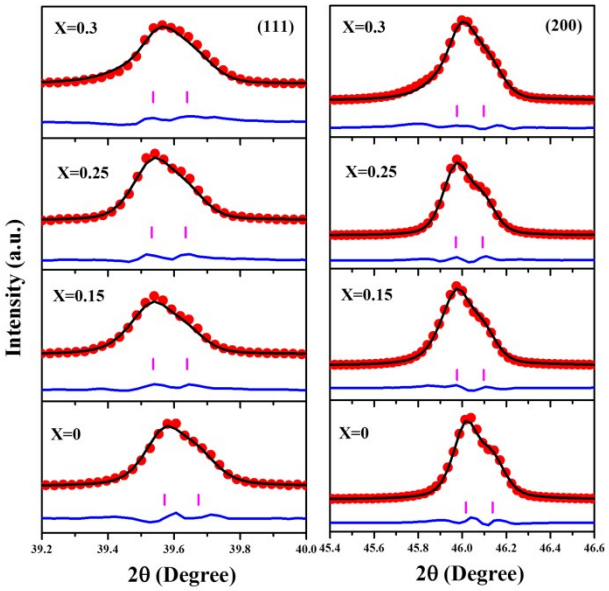

Figure S2. Rietveld refinement of (111) and (200) XRD peaks for $La_xSr_{2-x}TiMoO_6$ with x=0, 0.15, 0.25, 0.3 using the Cubic symmetry of space group $Pm\bar{3}m$.