

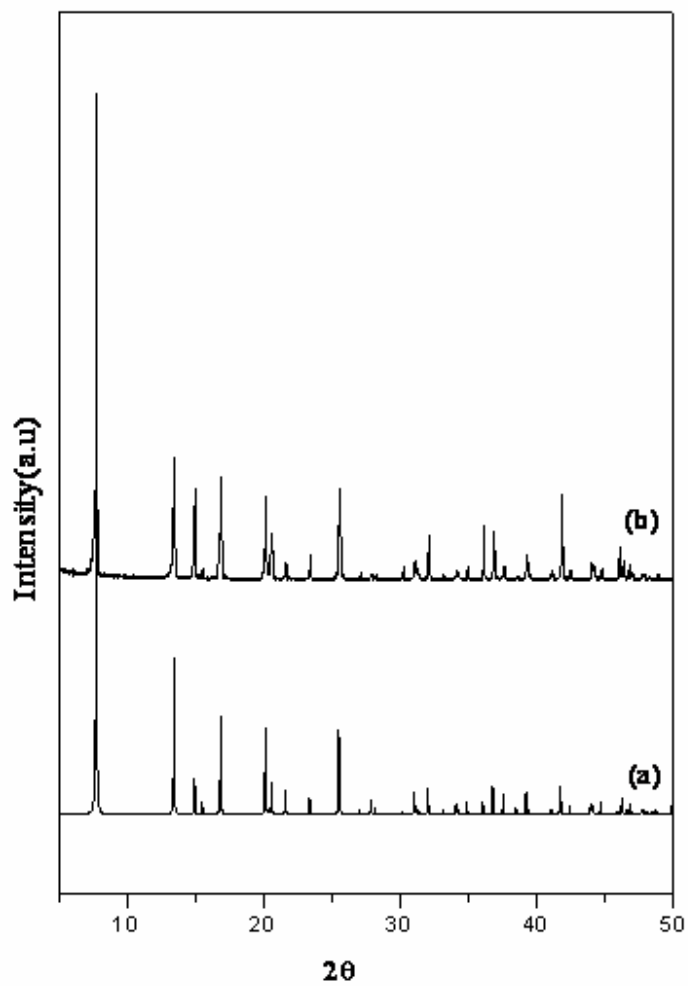
Supplementary Material (ESI) for Chemical Communications
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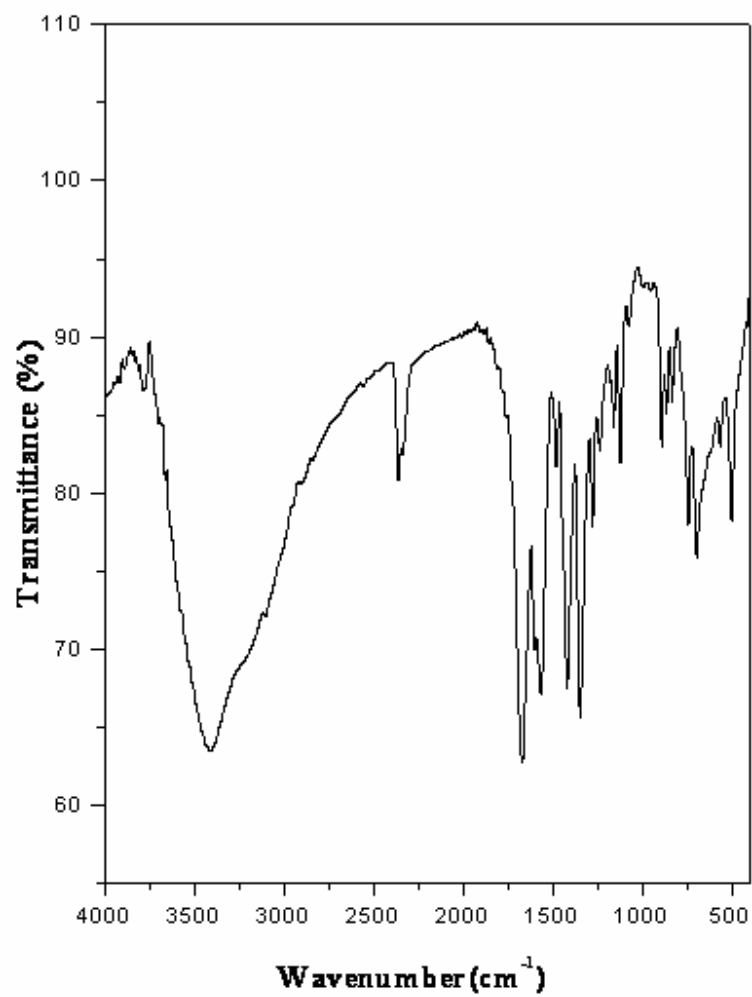
**A Novel Sheet 4*f*-3*d* Mixed-Metal Pyridine
Dicarboxylate: Synthesis, Structure, Photophysical
Properties and its Transformation to a Perovskite
Oxide**

Partha Mahata,^a Gopinathan Sankar,^b Giridhar Madras^{c*} and Srinivasan Natarajan^{a*}

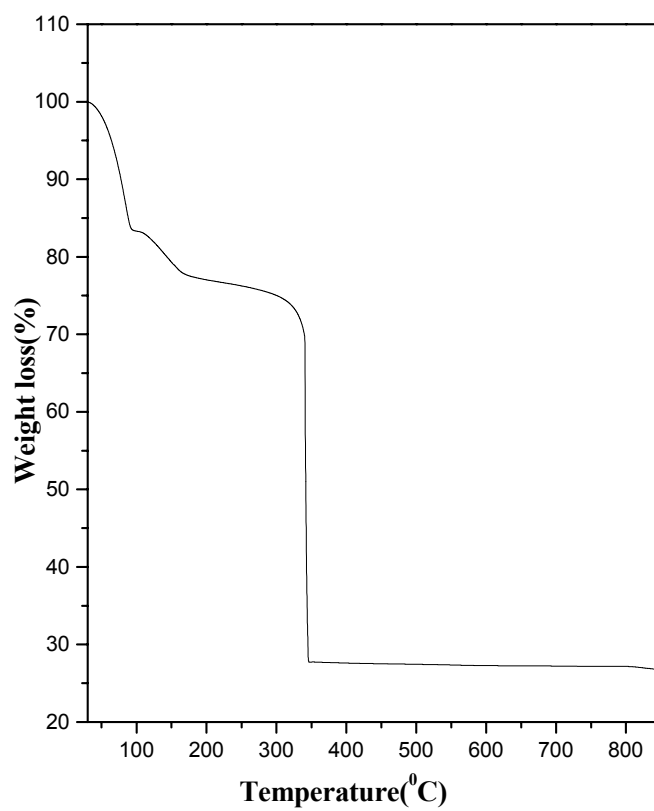
Electronic Supplementary Materials



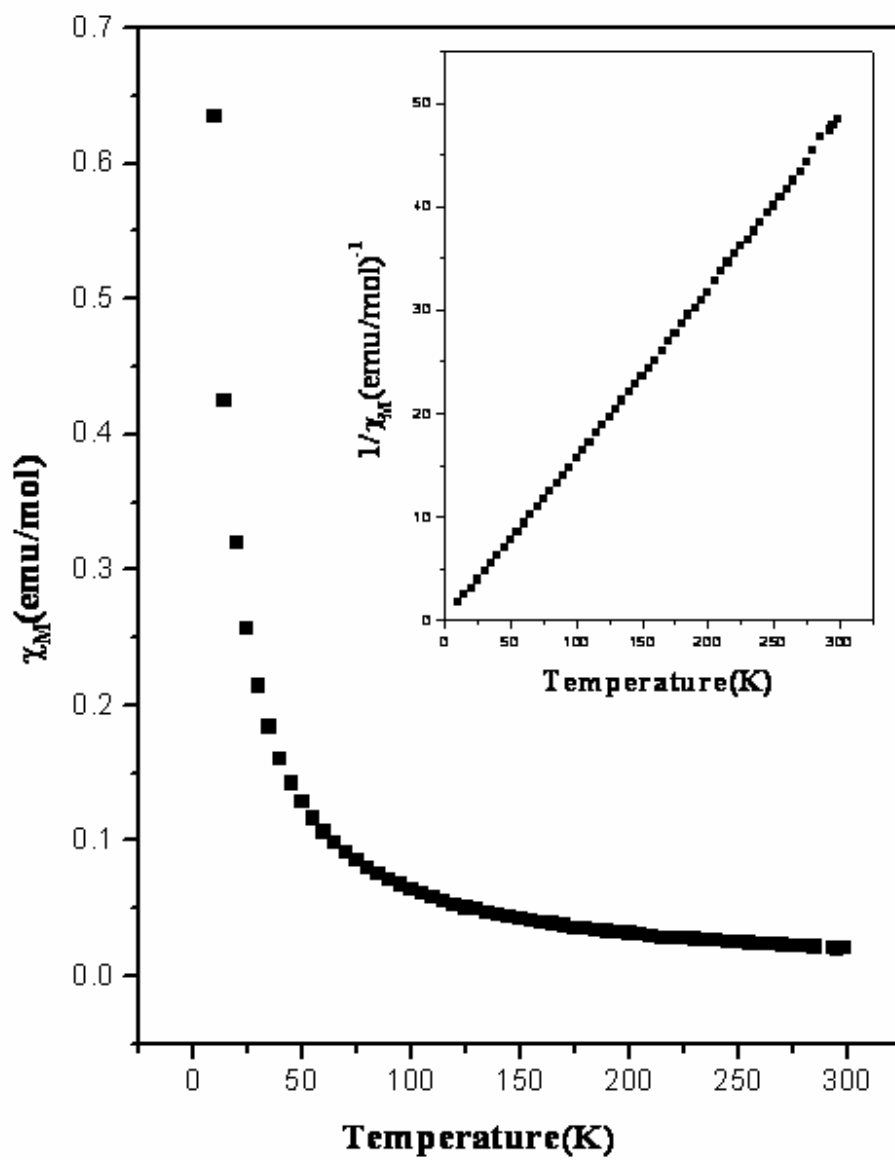
ESI-Fig-1. Powder XRD pattern (Cu $K\alpha$) of I. (a) Simulated, (b) Experimental



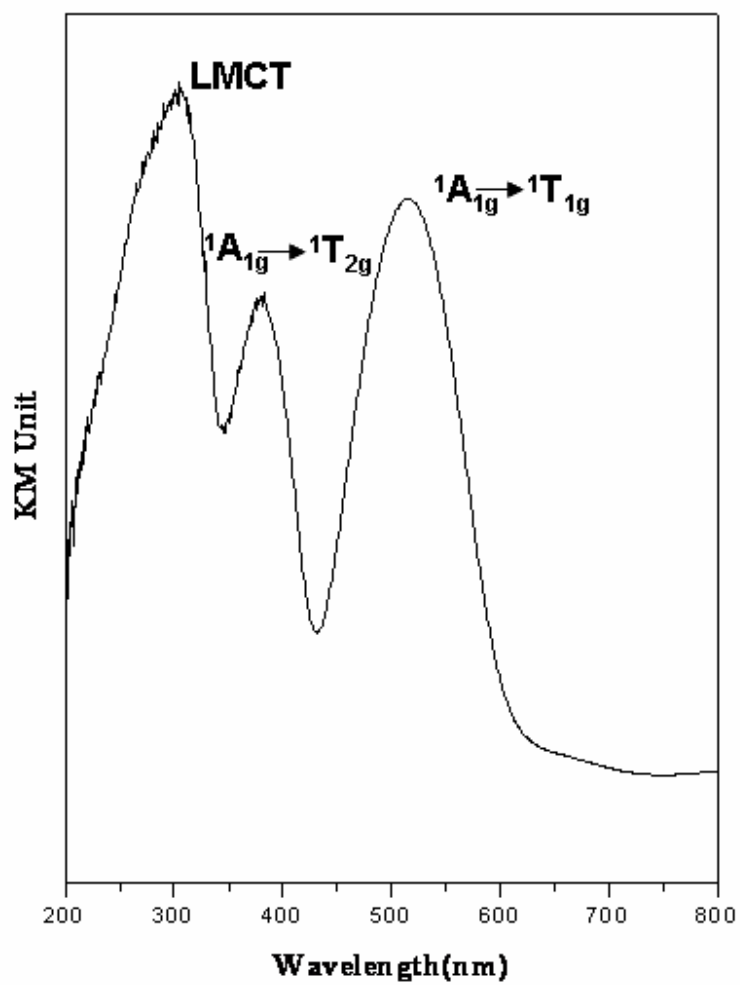
ESI-Fig-2. Infra-red spectra of I



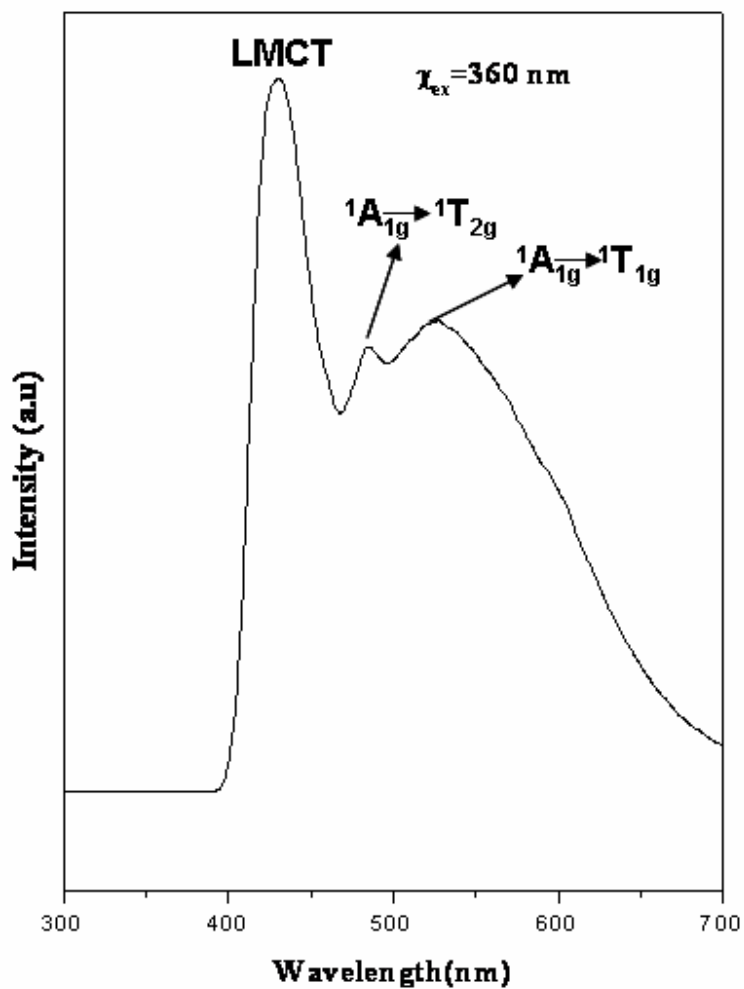
ESI-Fig-3. TGA studies of **I**



ESI-Fig-4. The thermal variation of χ_M for I. Inset shows the $1/\chi_M$ vs. T plot



ESI-Fig-5. The room temperature UV-Vis spectra for I.



ESI-Fig-6. The room temperature photoluminescence for I.