

Nano-inclusions: a novel approach to tune the thermal conductivity of the In_2O_3

Wei Xu,^{*a} Yong Liu,^{*b} Bo Chen,^b Da-Bo Liu,^c Yuan-Hua Lin^d and Augusto Marcelli^{e,f}

^aBeijing Synchrotron Radiation Facility, Institute of High Energy Physics, Chinese Academy of Sciences, Beijing, 100049, China Fax: +86-10-88235294; Tel: +86-10-88235156; E-mail: xuw@mail.ihep.ac.cn

^bLaboratory of Structural Steel, Functional Materials and Heat Treatment Processing Technology, Beijing Institute of Aeronautical Materials, Beijing 100095, P. R. China. Tel: 0086-10-62497591; E-mail: liuy431@gmail.com

^cState Key Laboratory of New Ceramics and Fine Processing, Department of Materials Science and Engineering, Tsinghua University, Beijing, 100084, P.R. China

^eINFN – Laboratori Nazionali di Frascati, Via E. Fermi 40, 00044 Frascati, Rome, Italy

^fNational Synchrotron Radiation Laboratory, University of Science and Technology of China, Hefei 230026, P.R. China

Figure.S1

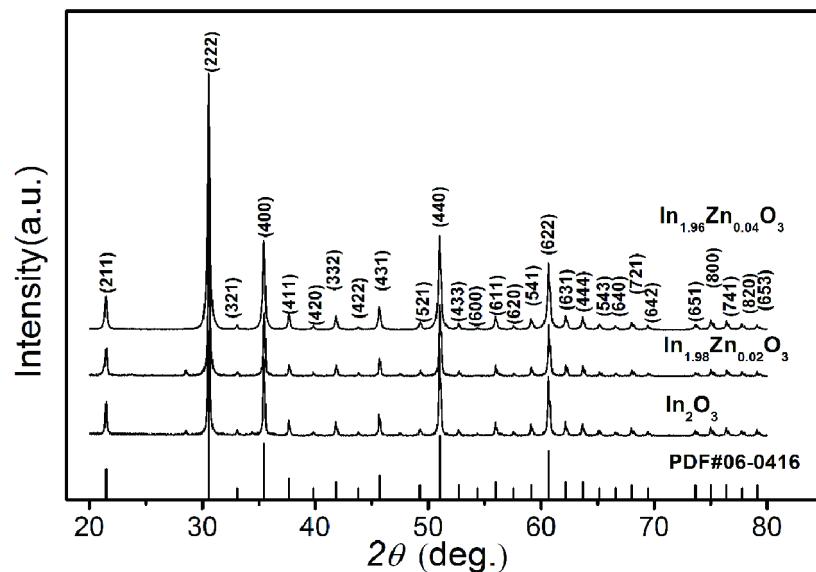


Figure.S1 XRD patterns of In_2O_3 , $\text{In}_{1.98}\text{Zn}_{0.02}\text{O}_3$ e $\text{In}_{1.96}\text{Zn}_{0.04}\text{O}_3$. Data have been indexed using the card JCPDS #06-0416. The ZnO contribution is not detectable in these XRD spectra.