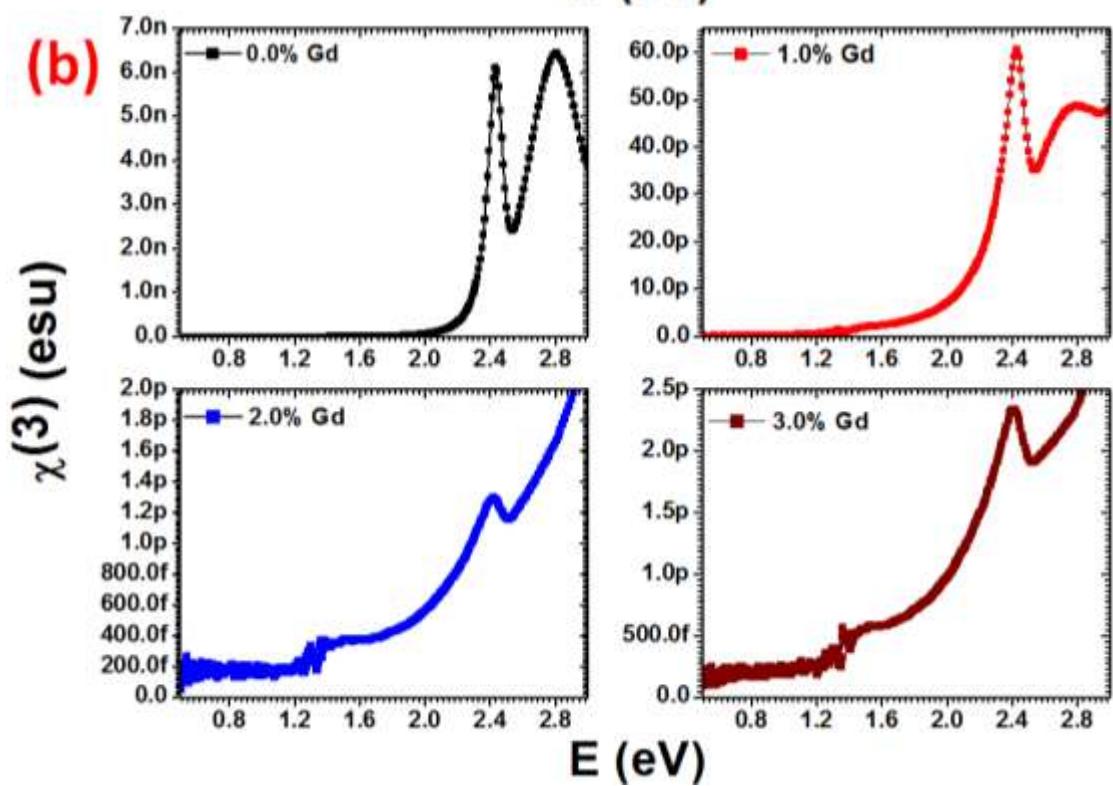
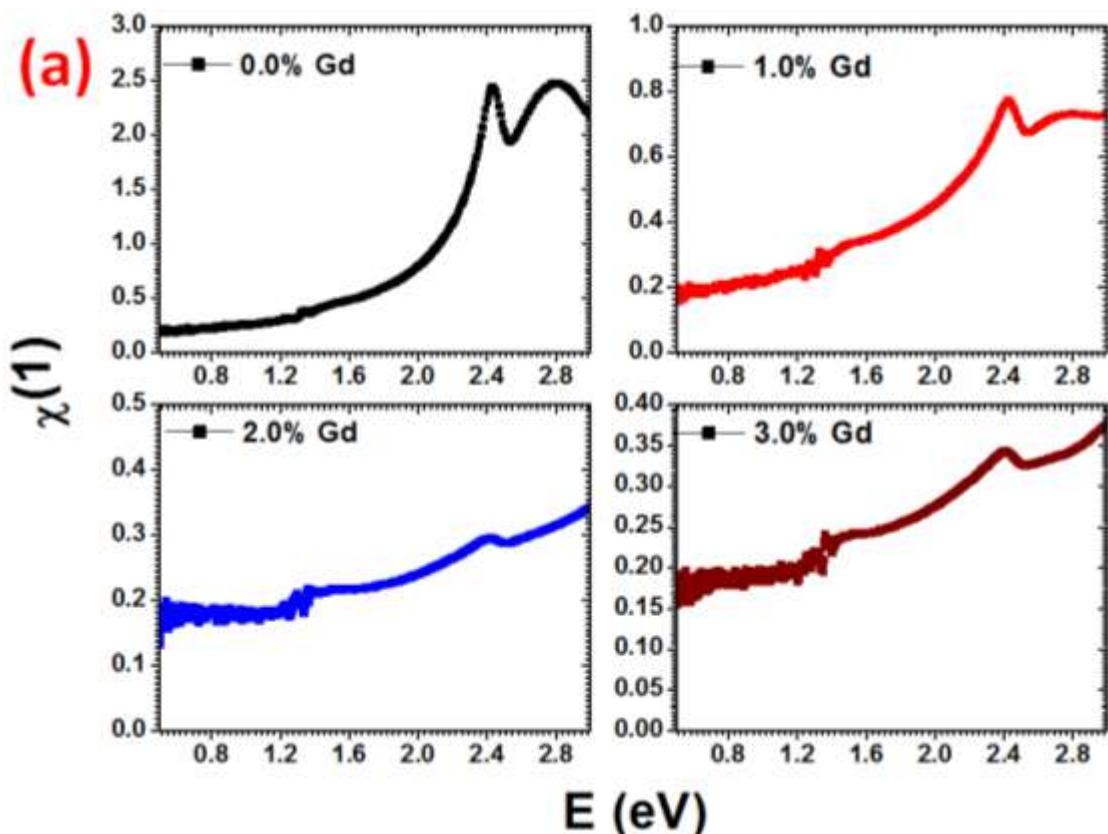


Effect of Gd^{3+} doping on structural, morphological, optical, dielectric and nonlinear optical properties of high-quality PbI_2 thin films for optoelectronic applications

Mohd. Shkir* and S. AlFaify**

*Advanced Functional Materials & Optoelectronics Laboratory (AFMOL), Department of Physics,
College of Science, King Khalid University, P.O. Box 9004, Abha 61413, Saudi Arabia*



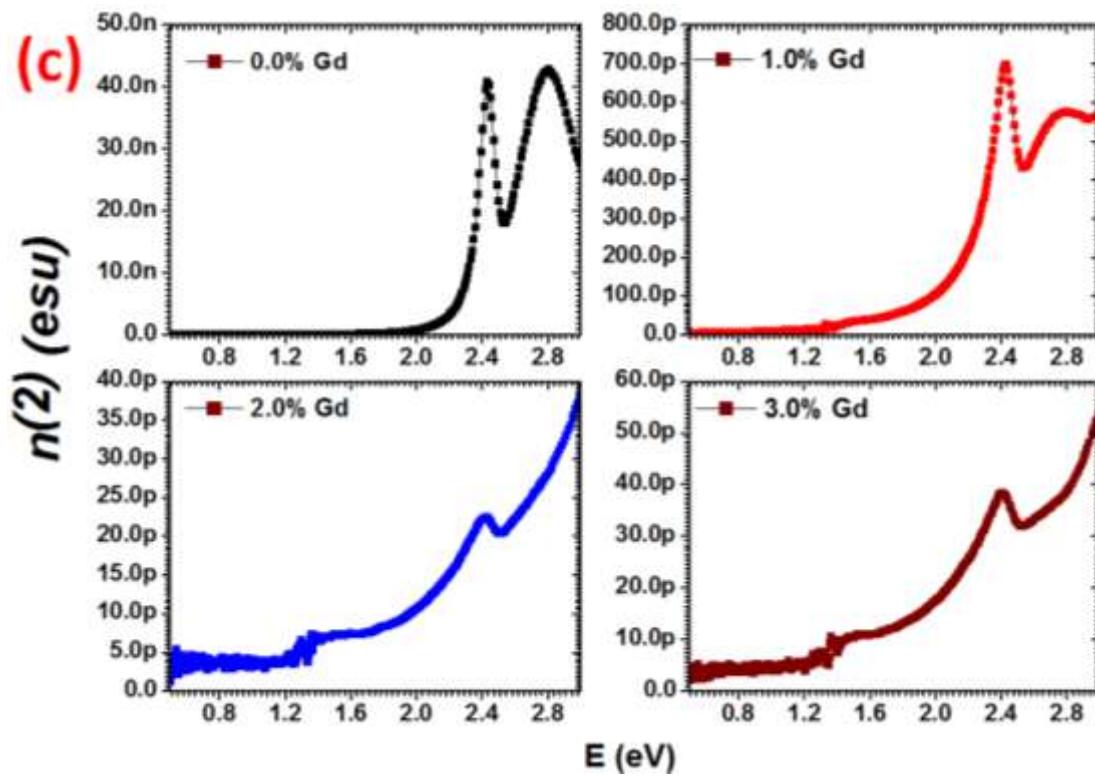


FIG. S1 Plots of (a) $\chi^{(1)}$ vs. E (eV), (b) $\chi^{(3)}$ vs. E (eV) and (c) $n^{(2)}$ vs. E (eV) for all Gd:PbI₂ films (<<Color online>>)