

Supporting information

Inverted thermal annealing of perovskite films: a method for enhancing photovoltaic device efficiency

Guohua Dong,^{a,b} Yulin Yang,^{*a} Li Sheng,^a Debin Xia,^a Ting Su,^a Ruiqing Fan,^{*a} Yan Shi^a and Junhai Wang^a

^a School of Chemistry and Chemical Engineering, Harbin Institute of Technology, Harbin 150001, P. R. China. E-mail: ylyang@hit.edu.cn and fanruiqing@hit.edu.cn; Fax: +86-451-86418270.

^b College of Chemistry and Chemical Engineering, Qiqihar University, Qiqihar 161006, P .R. China.

* Corresponding Author: E-mail: ylyang@hit.edu.cn and fanruiqing@hit.edu.cn; Fax: +86-451-86418270.

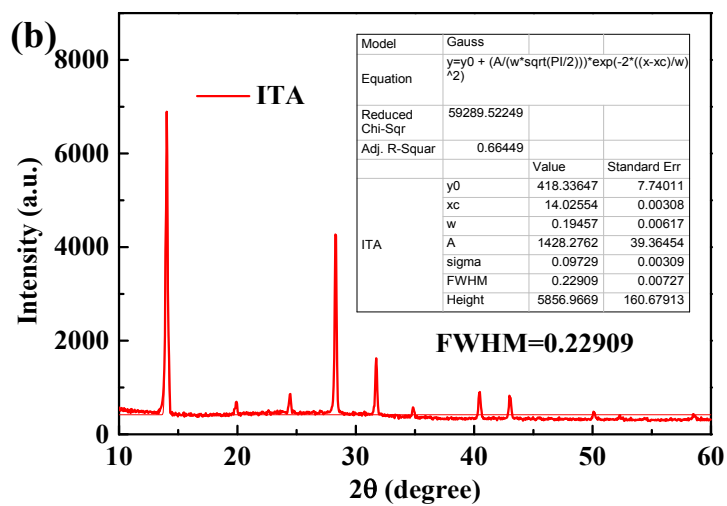
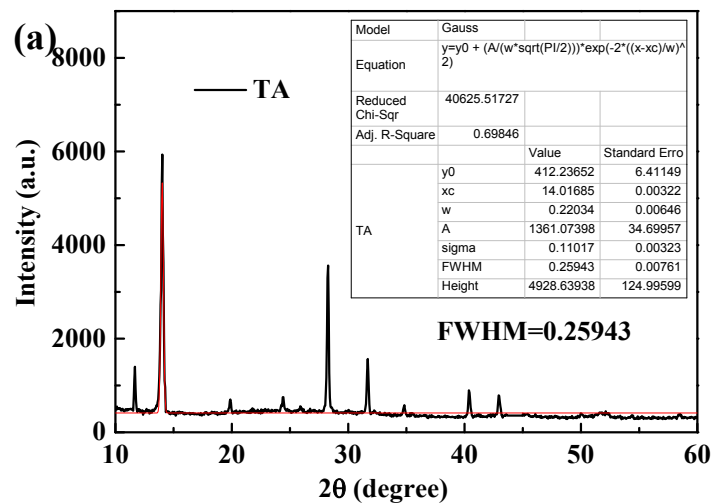


Figure S1. The FWHM results of the highest peak at 14.2° by fitting the original XRD datum of the perovskite films treated with TA (a) and ITA (b).

Table S1. EIS results of the PSCs treated with TA and ITA

Annealing	R_s (ohm cm²)	R_{tr} (ohm cm²)	R_{rec} (ohm cm²)
TA	2.26	5.64	10.35
ITA	2.24	5.36	10.71