

Supplementary Material

Cesium Doping for Performance Improvement of Lead(II)-Acetate-Based Perovskite Solar Cells

Min-Seok Han ¹, Zhihai Liu ², Xuewen Liu ¹, Jinho Yoon ¹ and Eun-Cheol Lee ^{1,3,*}

Department of Nano Science and Technology, Graduate School, Gachon University, Gyeonggi 13120, Korea; hanminsuk7@naver.com (M.-S.H.); arela115960@gmail.com (X.L.); wlsgh9838@naver.com (J.Y.)

² School of Opto-Electronic Information Science and Technology, Yantai University, Yantai 264005, China; zhliu@ytu.edu.cn

³ Department of Physics, Gachon University, Gyeonggi 13120, Korea;

* Correspondence: eclee@gachon.ac.kr; Tel.: +82-31-750-8752; Fax: +82-31-750-8769

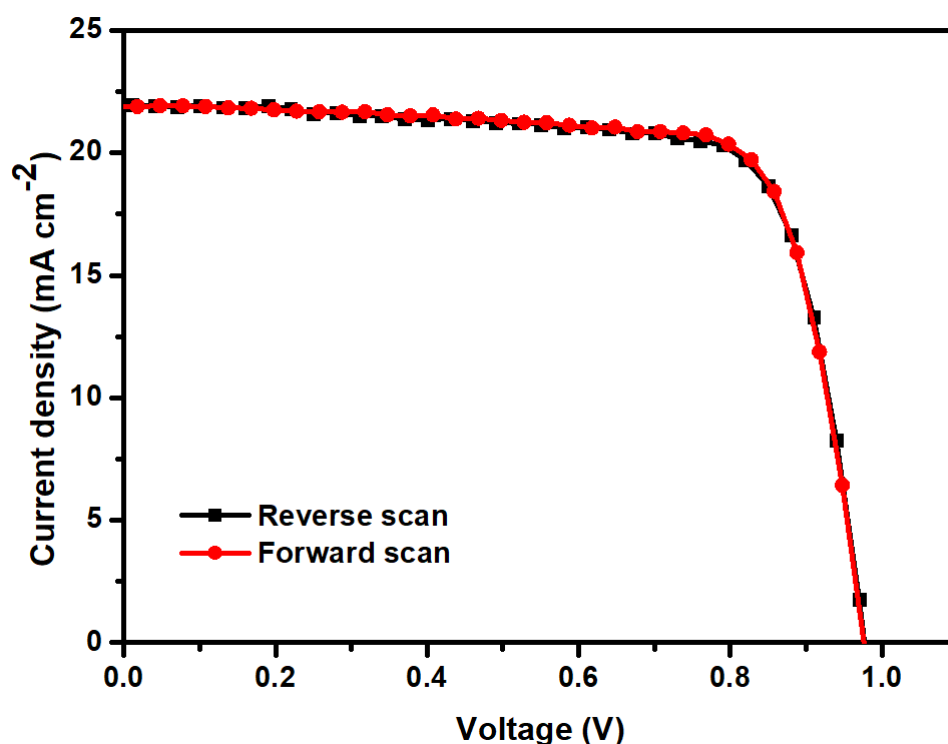


Figure S1. Reverse scan and forward scan *J*-*V* curve of 5% Cs-doping device.

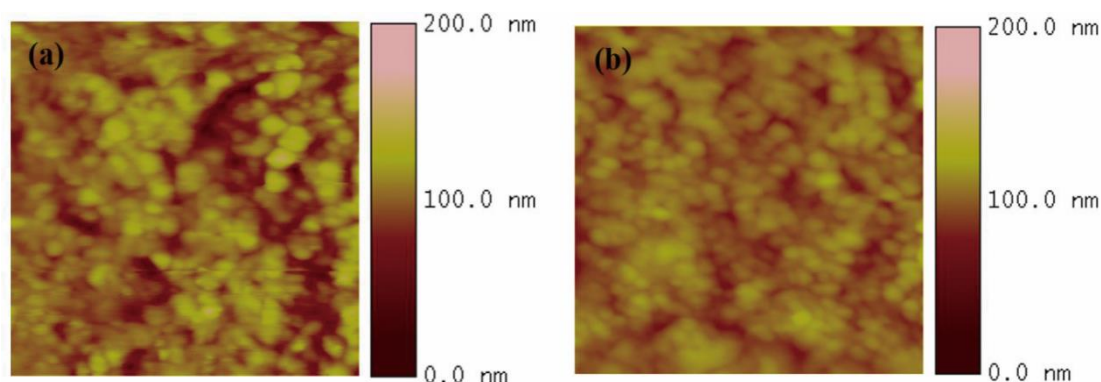


Figure S2. Tapping-mode AFM height images of (a) the pristine and (b) Cs-doped perovskite films.

Table S1. Fitted values of the equivalent circuit parameters from dark Nyquist plots of devices without and with 5% Cs.

Cs (mol. %)	R _s (Ω)	R _{CT} (Ω)	C _{CT} (F)
0%	90.3	6653	3.0×10^{-9}
5%	60.5	3198	2.9×10^{-9}