

Supporting Information for

Controlled Synthesis and Photostability of Blue Emitting Cs₃Bi₂Br₉ Perovskite Nanocrystals

Employing Weak-Polar Solvent at Room

Mingyang Gao,^{ab} Chi Zhang,^{acd} Linyuan Lian,^{ae} Jianwei Guo,^a Yong Xia,^{ae} Fan Pan,^a Xiaoming Su,^a Jianbing Zhang,^{ae}
Honglang Li,^{*f} and Daoli Zhang^{*abg}

Contents

Fig S1. PL spectra of pure solvent and ligands under 350nm UV light excitation (a) PL spectra of OA and toluene, (b) PL spectra of protonated OLA and toluene..... **Error! Bookmark not defined.**

*a. School of Optical and Electronic Information, Huazhong University of Science and Technology, 1037 Luoyu Road, Hongshan District, Wuhan City, Hubei Province, 430074, P. R. China. *E-mail: zhang_daoli@hust.edu.cn*

b. China-EU Institute for Clean and Renewable Energy, Huazhong University of Science and Technology, 1037 Luoyu Road, Hongshan District, Wuhan Hubei 430074, P. R. China.

c. Materials Sciences Division, Lawrence Berkeley National Laboratory, 1 Cyclotron Road, Berkeley, CA 94720, United States.

d. Department of Materials Science and Engineering, University of California, Berkeley, CA 94720, United States.

e. Engineering Research Centre for Functional Ceramics, the Ministry of Education, Huazhong University of Science and Technology, 1037 Luoyu Road, Hongshan District, Wuhan Hubei 430074, P. R. China.

*f. Institute of Acoustics, Chinese Academy of Sciences, 21 North 4th Ring Road, Haidian District, Beijing, 100190, P. R. China. *E-mail: lh@mail.ioa.ac.cn*

g. Department of Chemistry and Biochemistry, University of Maryland, 8051 Regent Drive, College Park, MD 20742, United States.

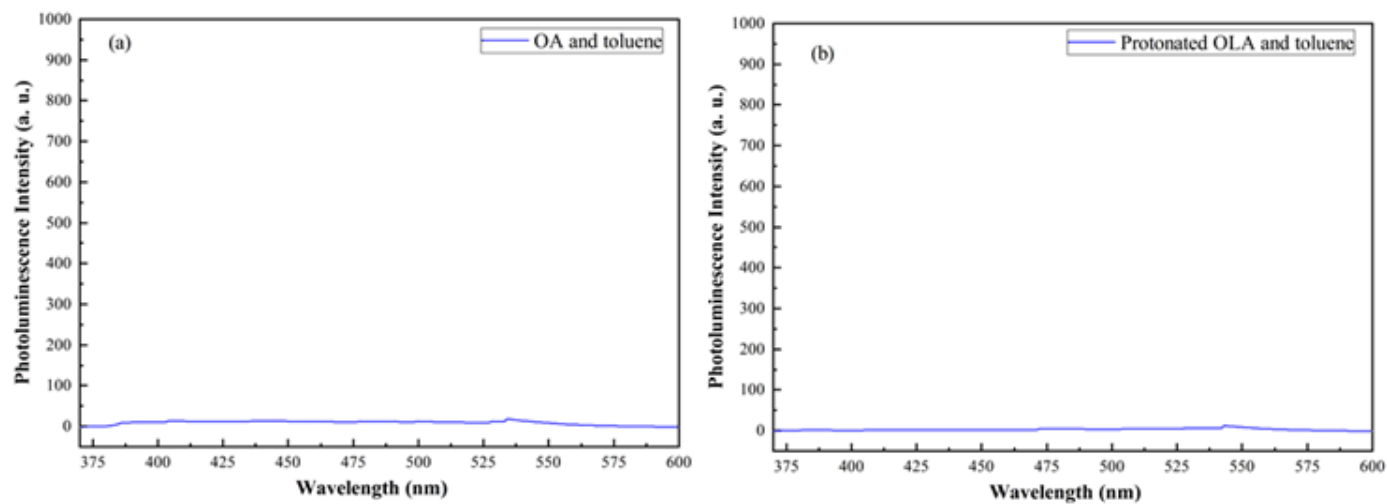


Figure S1 PL spectra of pure solvent and ligands under 350nm UV light excitation (a) PL spectra of OA and toluene, (b) PL spectra of protonated OLA and toluene.