Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C. This journal is © The Royal Society of Chemistry 2018

Supplementary Information

Tuning the emission spectrum of highly stable cesium lead halide perovskite nanocrystals through poly(lactic acid) assisted anion-exchange reactions

Longshi Rao,^{a, c} Yong Tang,^a Caiman Yan,^{*a*} Jiasheng Li,^a Guisheng Zhong,^a Kairui Tang,^b Binhai Yu,^a Zongtao Li,^{*a} Jin Z. Zhang^{*c}

^{a.} Engineering Research Centre of Green Manufacturing for Energy-Saving and New-Energy Technology, School of Mechanical and Automotive Engineering, South China University of Technology, Guangzhou, 510640, China

^{b.} The Mechanical Engineering, Pennsylvania State University, Harrisburg, PA 17057, USA

^{c.} Department of Chemistry and Biochemistry, University of California, Santa Cruz, CA 95064, USA

Correspondence address:

E-mail: meztli@scut.edu.cn

E-mail:

zhang@ucsc.edu





Fig. S1 EDX images of the CsPbBr_xCl_{3-x} after treatment with PLA at different periods of time: (a) 0 min, (b) 30 min, (c) 60, and (d) 120 min.



Fig. S2 (a) The effect of the volume ratio of PLA to parent CsPbBr₃ NCs on the PL spectra shift and (b) the time cost for different volume ratio of PLA to parent CsPbBr₃ solution when the anionexchange reaction completed.