

Supporting Information

Polarized emission effect realized in $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite nanocrystals

Zhi-Feng Shi, Ying Li, Sen Li, Hui-Fang Ji, Ling-Zhi Lei, Di Wu, Ting-Ting Xu, Jun-Min Xu,
Yong-Tao Tian and Xin-Jian Li**

Key Laboratory of Materials Physics of Ministry of Education, Zhengzhou University, Daxue
Road 75, Zhengzhou 450052, China

Corresponding Author

*E-mail: (Z.S.) shizf@zzu.edu.cn.

*E-mail: (X.L.) lixj@zzu.edu.cn.

Temperature-dependent XRD patterns of $\text{CH}_3\text{NH}_3\text{PbI}_3$ NCs

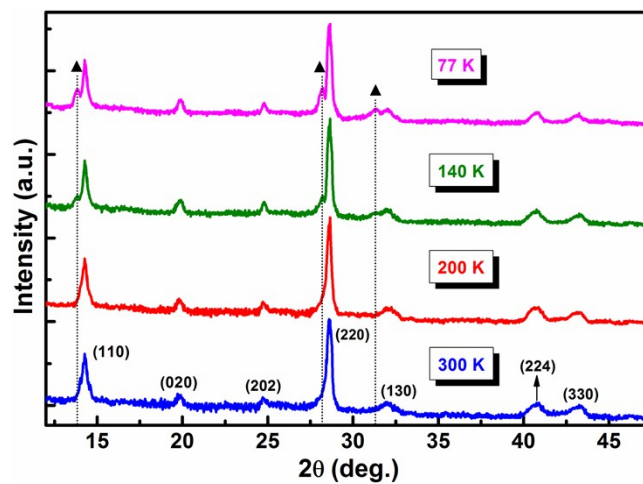


Figure S1. XRD patterns of the $\text{CH}_3\text{NH}_3\text{PbI}_3$ NCs film performed at four typical temperature points.

Charge-carrier transfer and recombination model in $\text{CH}_3\text{NH}_3\text{PbI}_3$ NCs

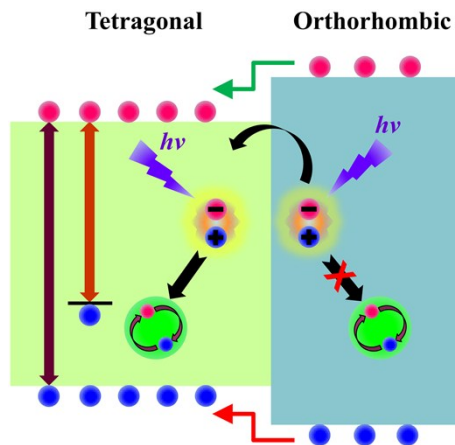


Figure S2. The charge-carrier transfer and recombination model in $\text{CH}_3\text{NH}_3\text{PbI}_3$ NCs film at low temperatures.