



Correction: White light emission in 0D halide perovskite $[(\text{CH}_3)_3\text{S}]_2\text{SnCl}_6 \cdot \text{H}_2\text{O}$ crystals through variation of doping ns^2 ions

Yitong Lin¹ · Yu Zhong^{1,3} · Yangpeng Lin¹ · Jiawei Lin¹ · Lei Pang¹ · Zhilong Zhang¹ · Yi Zhao⁴ · Xiao-Ying Huang² · Ke-Zhao Du^{1,5}

© The Author(s) 2024

Correction: Frontiers of Optoelectronics (2024) 17:6
<https://doi.org/10.1007/s12200-024-00109-3>

Following publication of the original article [1], the authors reported the errors, which need to be corrected:

1. The sentence in Results and discussion section has been updated from “The crystal belongs to the $Fm-3m$ space group with a unit cell length of 12.43 Å.” to “The crystal

belongs to the $Pa-3$ space group with a unit cell length of 12.42 Å.” A cif file has been added as a Supplementary file for comparison with other readers.

2. The sentence in Results and discussion section has been updated from “The energy difference between singlet emission and triplet emission of Sb^{3+} @SSC is 0.57 eV” to “The energy difference between singlet emission and triplet emission of Sb^{3+} @SSC is 0.65 eV”.
3. Fig. 5 has been updated from

The original article can be found online at
<https://doi.org/10.1007/s12200-024-00109-3>.

✉ Yu Zhong
1007807055@qq.com

✉ Yi Zhao
ifeyzhao@fnu.edu.cn

✉ Ke-Zhao Du
duke@fnu.edu.cn

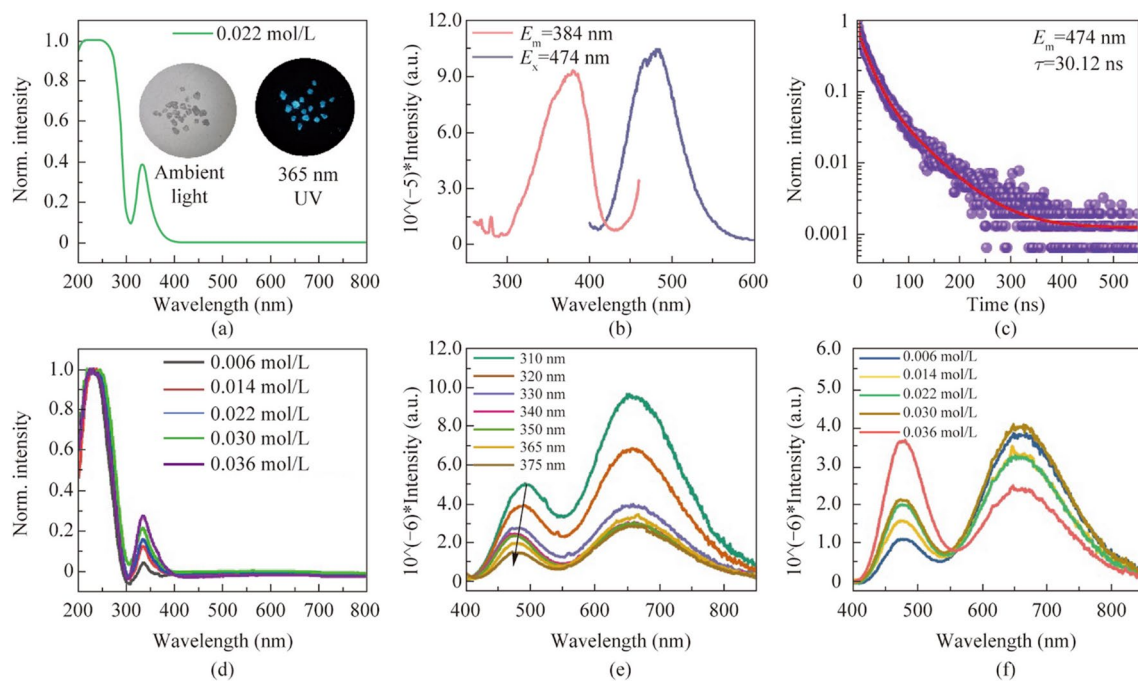
¹ Fujian Provincial Key Laboratory of Advanced Materials Oriented Chemical Engineering, Collage of Chemistry and Material Science, Fujian Normal University, Fuzhou 350007, China

² State Key Laboratory of Structural Chemistry, Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences, Fuzhou 350002, China

³ Qinghai Environmental Monitoring Center, Xining 810000, China

⁴ Strait Institute of Flexible Electronics (SIFE, Future Technologies), Fujian Normal University and Strait Laboratory of Flexible Electronics (SLoFE), Fuzhou 350007, China

⁵ Wuhan National Laboratory for Optoelectronics, Huazhong University of Science and Technology, Wuhan 430074, China



To:

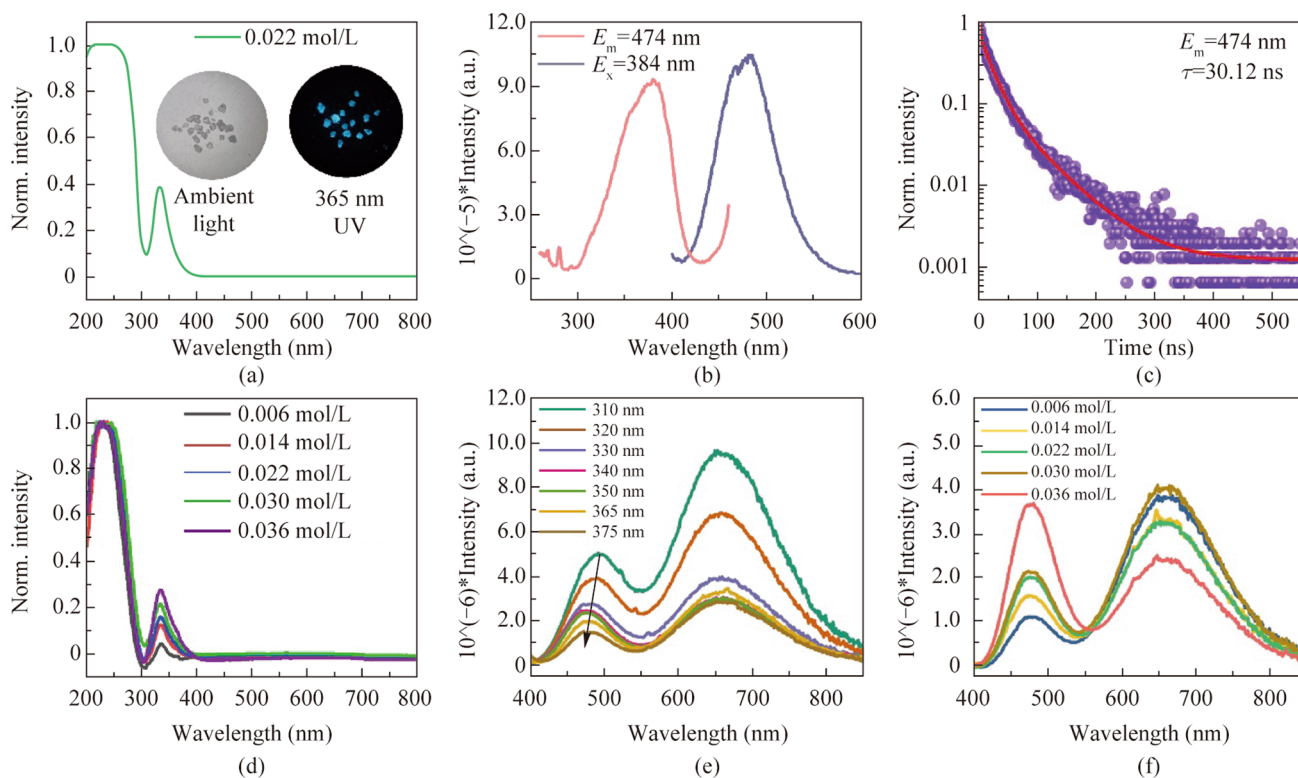


Fig. 5 **a** UV–vis absorption spectrum of 0.022 mol/L Bi³⁺@SSC. The attached photos are Bi³⁺@SSC in ambient light and 365 nm light. **b** Photoluminescence excitation (PLE) and photoluminescence emission (PL) spectra of 0.022 mol/L Bi³⁺@SSC. **c** PL lifetime spectrum and fitting line of 0.022 mol/L Bi³⁺@SSC excited at 384 nm. **d** UV–vis absorption spectra of *x*Bi³⁺/0.31% Sb³⁺@SSC; the feeding concentrations are *x* = 0.006, 0.014, 0.022, 0.030, and 0.036 mol/L. **e** PLE spectra of 0.022 mol/L Bi³⁺@SSC under different excitation wavelengths. **f** PL spectra of *x*Bi³⁺/0.31% Sb³⁺@SSC excitation at 365 nm; the feeding concentrations are *x* = 0.006, 0.014, 0.022, 0.030, and 0.036 mol/L.

The original article [1] has been updated.

Supplementary Information The online version contains supplementary material available at <https://doi.org/10.1007/s12200-024-00138-y>.

Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will

need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>.

Reference

1. Lin, Y., Zhong, Y., Lin, Y., Lin, J., Pang, L., Zhang, Z., Zhao, Y., Huang, X.Y., Du, K.Z.: White light emission in 0D halide perovskite $[(\text{CH}_3)_3\text{S}]_2\text{SnCl}_6 \cdot \text{H}_2\text{O}$ crystals through variation of doping ns² ions. *Front. Optoelectron.* **17**, 6 (2024). <https://doi.org/10.1007/s12200-024-00109-3>