

CORRECTION

View Article Online
View Journal | View IssueCite this: *J. Mater. Chem. A*, 2019, 7, 24642

DOI: 10.1039/c9ta90246e

www.rsc.org/MaterialsA

Correction: Tailoring a dynamic crystalline process during the conversion of lead-halide perovskite layer to achieve high performance solar cells

Mengjie Sun,^a Chunjun Liang,^a Huimin Zhang,^a Chao Ji,^a Fulin Sun,^a Fangtian You,^a Xiping Jing^b and Zhiqun He^{*a}Correction for 'Tailoring a dynamic crystalline process during the conversion of lead-halide perovskite layer to achieve high performance solar cells' by Mengjie Sun *et al.*, *J. Mater. Chem. A*, 2018, 6, 24793–24804.

The authors regret that the equation given in the footnote of Table 1 of the published article is incorrect. The authors would like to revise the footnote with a new equation. In the mean time, they would also like to add an additional column for the average calculated using the original equation. Both results have similar variation against the concentration of DMSO additive. The corrected Table 1 reads as follows:

Table 1 Decay times obtained by fitting TRPL spectra of perovskite films with different DMSO ratio in FAI-MAX precursors using biexponential process

DMSO content	τ_1 (ns)	A_1^a (%)	τ_2 (ns)	A_2^a (%)	τ_{avg1}^b (ns)	τ_{avg2}^c (ns)
W/O	37.80	57%	194.37	43%	105.13	162.28
0.5%	18.29	60%	237.72	40%	106.06	215.02
1%	8.21	47%	310.79	53%	168.58	303.86
2%	5.96	56%	279.85	44%	126.47	272.62
3%	5.07	61%	210.35	39%	85.13	202.89

^a A_i is the fraction of τ_i component. ^b τ_{avg1} is calculated from the equation $\tau_{\text{avg1}} = \sum A_i \tau_i$. ^c τ_{avg2} is calculated from Stern–Volmer analysis using equation $\tau_{\text{avg2}} = \frac{\sum A_i \tau_i^2}{\sum A_i \tau_i}$.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

References

- 1 S. D. Stranks, G. E. Eperon, G. Grancini, C. Menelaou, M. J. P. Alcocer, T. Leijtens, L. M. Herz, A. Petrozza and H. J. Snaith, *Science*, 2013, **342**, 341–344.

^aKey Laboratory of Luminescence and Optical Information, Ministry of Education, Institute of Optoelectronic Technology, Beijing Jiaotong University, Beijing 100044, P. R. China. E-mail: zhqhe@bjtu.edu.cn

^bCollege of Chemistry and Molecular Engineering, Peking University, Beijing 100871, P. R. China

