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Publisher Correction: Nucleation-controlled growth of superior lead-free perovskite $Cs_3Bi_2I_9$ single-crystals for high-performance X-ray detection

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Correction to: *Nature Communications* https://doi.org/10.1038/s41467-020-16034-w, published online 8 May 2020.

The original version of this Article contained the following errors ("Original" column) and the correct terms are shown in the "Corrected" column.

	Error position	Original	Corrected
1	Fig. 1 title	Fig. 1: Crystallization of Cs3Bi2I9 perovskite single crystal (PSC).	Fig. 1: Crystallization of $Cs_3Bi_2I_9$ perovskite single crystal (PSC).
2	Fig. 2 title	Fig. 2: Structural of Cs3Bi2I9 PSC.	Fig. 2: Structural of $Cs_3Bi_2I_9$ PSC.
3	Fig. 3 title	Fig. 3: Optical properties and trap state density of Cs3Bi2I9 PSC	Fig. 3: Optical properties and trap state density of $Cs_3Bi_2I_9$ PSC
4	Fig. 4 title	Fig. 4: Performance of Cs3Bi2I9 PSC photodetector.	Fig. 4: Performance of $Cs_3Bi_2I_9$ PSC photodetector.
5	Fig. 5 title	Fig. 5: Performance of Cs3Bi2I9 PSC X-ray detector and imaging.	Fig. 5: Performance of $Cs_3Bi_2I_9$ PSC X-ray detector and imaging.
6	Fig. 6 title	Fig. 6: Thermal stability measurement of the Cs3Bi2I9 PSC detector at 100 °C	Fig. 6: Thermal stability measurement of the $Cs_3Bi_2I_9$ PSC detector at 100 °C
7	Fig. 3i	Currenht (nA)	Current (nA)
8	Fig. 4b	300.1 mW cm-2	300.1 mW cm^{-2}
9	Fig. 4f	Detectivity (cm $Hz^{-1/2}w^{-1}$)	Detectivity (cm $Hz^{1/2}$ W^{-1})
10	Fig. 5f	Sensitivity μC Gy^{-2} cm^{-2}	Sensitivity μC Gy^{-1} cm^{-2}
11	Fig. 5g	1.63 n Gy s^{-1}	1.63 μ Gy s^{-1}
12	'Calculation of signal-to-noise ratio' in Methods	average photocurrent (퐼푝ℎ표푡표) by the average dark current (퐼푑푎푟푘).	average photocurrent (I_{photo}) by the average dark current (I_{dark})
13	References 9	CsPbBr3	$CsPbBr_3$
14	References 10	SnO2	SnO_2
15	References 11	CH3NH3PbBr3-xClx	$CH_3NH_3PbBr_{3\text{-}x}Cl_x$
16	References 20	A3M2I9	$A_3M_2I_9$
17	References 21	Cs2AgBiBr6	$Cs_2AgBiBr_6$
18	References 22	$(NH_4)_3Bi_2I_9$	$(NH_4)_3Bi_2I_9$
19	References 25	C60	C_{60}
20	References 26	Cs3Bi2I9	$Cs_3Bi_2I_9$
21	References 28	CH3NH3PbX3	$CH_3NH_3PbX_3$
22	References 32	Cu(In,Ga)Se2	$Cu(In,Ga)Se_2$
23	References 34	MAPbI3	$MAPbI_3$
24	References 35	Cs3Bi2I9	$Cs_3Bi_2I_9$
25	References 40	Cs2AgBiBr6	$Cs_2AgBiBr_6$
26	References 43	MAPbI3	$MAPbI_3$
27	References 52	Cd0.9Zn0.1Te	$Cd_{0.9}Zn_{0.1}Te$

This has now been corrected in both the PDF and HTML versions of the Article.

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