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Corrigendum: On the Thermal and Thermodynamic (In)Stability of Methylammonium Lead Halide Perovskites

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This Article contains errors. In the 'Thermal Stability: Non-Ambient X-ray Diffraction' section, under subheading 'Thermodynamic stability: Knudsen effusion mass spectrometry and Knudsen effusion mass loss',

"The resulting values of $\Delta_f H^\circ_{(298K)}$ were: -688.3 ± 7.8 kJ/mol, -567.5 ± 8.7 kJ/mol, and -403.6 ± 9.7 kJ/mol for $MAPbCl_3$, $MAPbBr_3$ and $MAPbI_3$, respectively".

should read:

"The resulting values of $\Delta_f H^\circ_{(298K)}$ were: -660.5 ± 7.8 kJ/mol, -539.6 ± 8.7 kJ/mol, and -375.7 ± 9.7 kJ/mol for $MAPbCl_3$, $MAPbBr_3$ and $MAPbI_3$, respectively".

In Equation (13),

"$\Delta_r G^\circ_T(CH_3NH_3PbCl_{3(s)}) = [(194.8 \pm 6.0) - (275.5 \pm 6.8)10^{-3} T/K]$ kJ/mol"

should read:

"$\Delta_r G^\circ_T(CH_3NH_3PbCl_{3(s)}) = [(185.6 \pm 6.0) - (250.4 \pm 6.8)10^{-3} T/K]$ kJ/mol"

In Equation (14),

"$\Delta_r G^\circ_T(CH_3NH_3PbBr_{3(s)}) = [(212.2 \pm 7.1) - (273.4 \pm 10.2)10^{-3} T/K]$ kJ/mol"

should read:

"$\Delta_r G^\circ_T(CH_3NH_3PbBr_{3(s)}) = [(203.4 \pm 7.1) - (251.3 \pm 10.2)10^{-3} T/K]$ kJ/mol"

In Equation (15),

"$\Delta_r G^\circ_T(CH_3NH_3PbI_{3(s)}) = [(215.4 \pm 8.3) - (280.2 \pm 10.6)10^{-3} T/K]$ kJ/mol"

should read:

"$\Delta_r G^\circ_T(CH_3NH_3PbI_{3(s)}) = [(201.4 \pm 8.3) - (243.1 \pm 10.6)10^{-3} T/K]$ kJ/mol"