

Correction

# Correction: First Principles Study of the Vibrational and Thermal Properties of Sn-Based Type II Clathrates $\text{Cs}_x\text{Sn}_{136}$ ( $0 \leq x \leq 24$ ) and $\text{Rb}_{24}\text{Ga}_{24}\text{Sn}_{112}$ . *Inorganics* 2019, 7, 74

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Dong Xue and his Ph.D. advisor, Professor Charles W. Myles, would like to submit a correction to the published paper [1] by rearranging the author list and adding a new first author—Hadeel Zahid. The reason for the correction lies in the fact that Dong and Hadeel worked together under the supervision of Charles Myles in the same research group when investigating the structural, electronic, vibrational, and transport properties of Sn-based binary clathrate materials, such as  $\text{A}_x\text{Sn}_{136}$  ( $0 < x \leq 24$ ;  $\text{A} = \text{Na}, \text{K}, \text{Rb}, \text{Cs}$ ). Specifically, the previous figure occurring in the original paper [1] describing the predicted  $x$ -dependence of lattice parameter for Type II  $\text{Na}_x\text{Sn}_{136}$ ,  $\text{K}_x\text{Sn}_{136}$ , and  $\text{Cs}_x\text{Sn}_{136}$  can also be found in Hadeel Zahid's Master thesis at <https://ttuir.tdl.org/bitstream/handle/2346/73176/ZAHID-THESIS-2017.pdf?sequence=1&isAllowed=y>.

Hadeel conducted intensive first-principles work on evaluating the structural, electronic, and vibrational work on these Sn-based binary materials. Dong Xue and Charles W. Myles acknowledge her tremendous contribution to this paper [1] here. Therefore, Dong Xue and Charles W. Myles have decided to put Hadeel Zahid as the first author. Also, Hadeel Zahid has agreed to make this correction with Dong Xue and Charles W. Myles.

In the Author List of page 1, we changed “Dong Xue \* and Charles W. Myles” to “Hadeel Zahid, Dong Xue \* and Charles W. Myles”.

In the Acknowledgments of page 13, we removed the sentence “We also acknowledge the contribution to some structural investigation work from Hadeel Zahid”.

In summary, these changes did not impact, in any way, the significance of the overall results or the conclusions of our paper. We have updated the revised manuscript, which marks the change by adding the new first author and associated points. We apologize for any inconvenience we may have to our readers.

**Conflicts of Interest:** The authors declare no conflict of interest.

## Reference

1. Zahid, H.; Xue, D.; Myles, C.W. First Principles Study of the Vibrational and Thermal Properties of Sn-based Type II Clathrates  $\text{Cs}_x\text{Sn}_{136}$  ( $0 \leq x \leq 24$ ) and  $\text{Rb}_{24}\text{Ga}_{24}\text{Sn}_{112}$ . *Inorganics* 2019, 7, 74. [[CrossRef](#)]



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