A high throughput combinatorial study of the effect of M site alloying on the solid solution behavior of M_2AlC MAX phases

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In this Erratum, we correct some typographical errors that were overlooking during editing. In the text, the following corrections are to be applied:

FIG.9 Caption: Calculated electronic density of states (DOS) for (a) Mn_2AlC and (b) $(Ti_{0.5},V_0.5)_2AlC$. Red, blue and green colors indicate the contributions of the d, s, and p orbitals, respectively. The top panels indicate the total and orbital projected density of states, while the middle and lower panels indicate the site-projected density of states. (a) Mn_2AlC. (b) $(Ti_{0.5}Mn_{0.5})_2AlC$. should read:

Calculated electronic density of states (DOS) for (a) Mn_2AlC and (b) $(Ti_{0.5}Mn_{0.5})_2AlC$. Red, blue and green colors indicate the contributions of the d, s, and p orbitals, respectively. The top panels indicate the total and orbital projected density of states, while the middle and lower panels indicate the site-projected density of states. (a) Mn_2AlC. (b) $(Ti_{0.5}Mn_{0.5})_2AlC$.

FIG.12 Caption: Calculated electronic density of states (DOS) for (a) Zn_2AlC and (b) $(Ti_0.5,V_0.5)_2AlC$. Red, blue, and green colors indicate the contributions of the d, s, and p orbitals, respectively. The top panels indicate the total and orbital projected density of states, while the middle and lower panels indicate the site-projected density of states. (a) Zn_2AlC. (b) $(Ti_{0.5}Zn_{0.5})_2AlC$. should read:

Calculated electronic density of states (DOS) for (a) Zn_2AlC and (b) $(Ti_{1/3}Zn_{2/3})_2AlC$. Red, blue, and green colors indicate the contributions of the d, s, and p orbitals, respectively. The top panels indicate the total and orbital projected density of states, while the middle and lower panels indicate the site-projected density of states. (a) Zn_2AlC. (b) $(Ti_{1/3}Zn_{2/3})_2AlC$.

In Section IV.A.3, Page 104106-7, the second sentence 'The system is seen to favor ordering at the $(Ti_{1/3}V_{2/3})_2AlC$ composition.' should read: The system is seen to favor ordering at the $(Ti_{1/3}Zn_{2/3})_2AlC$ composition.

These errors are only typographical in nature, and in the context of the results, can be easily spotted. The results presented and conclusions drawn are unaffected by the typographical errors.

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