Hydrogen storage properties of Mg-based composites prepared by reaction ball milling

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Erratum

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Figure 3(c) and figure 4 given in the above paper for Mg + stoichiometric Zr-based AB_2 [Mg + x wt% $Ti_{0.1}Zr_{0.9}Mn_{0.9}V_{0.1}Fe_{0.5}Ni_{0.5}$ (x = 5, 15, 25, 30, 35, 40, 50, 60 and 75)] composites are incorrect. These two figures are for Mg + non-stoichiometric Zr-based AB_2 [Mg + x wt% $(Ti_{0.1}Zr_{0.9})_{1.1}Mn_{0.9}V_{0.1}Fe_{0.5}Ni_{0.5}$ (x = 5, 15, 25, 30, 35, 40, 50, 60 and 75)] composites. The results for Mg + non-stoichiometric Zr-based AB_2 composites have been published in *J. Alloys Compounds* **438** 285–92 in the research paper titled 'Correlation between hydrogen storage properties and amount of alloy particles in Mg-based composites'. Figure 3(c) and figure 4 given in *J. Phys.: Condens. Matter* **18** 11275–90 should be replaced by the following two figures. These mistakes are entirely the fault of the authors and the authors regret these errors.

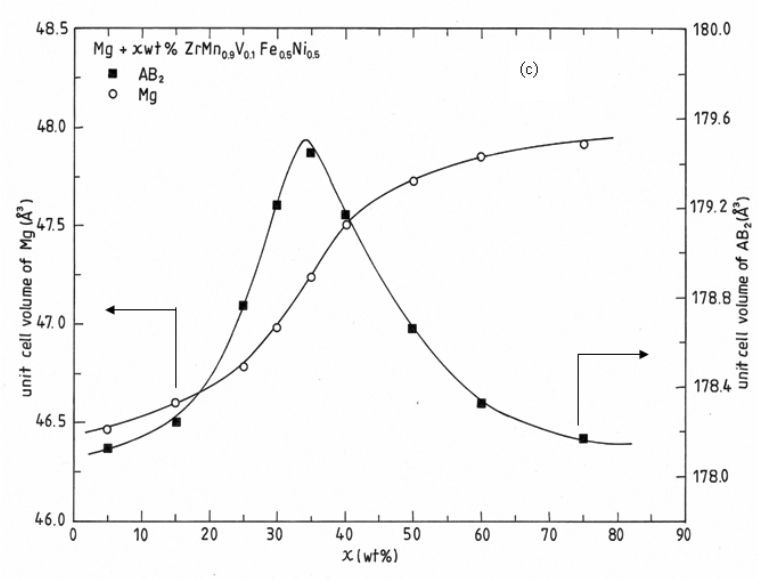

Figure 3 (c). Variation of unit cell volume of Mg and AB_2 alloy phase with the amount of catalyst (x) in Mg + x wt% $Ti_{0.1}Zr_{0.9}Mn_{0.9}V_{0.1}Fe_{0.5}Ni_{0.5}$ (x = 5, 15, 25, 30, 35, 40, 50, 60 and 75) prepared under H_2 atmosphere.

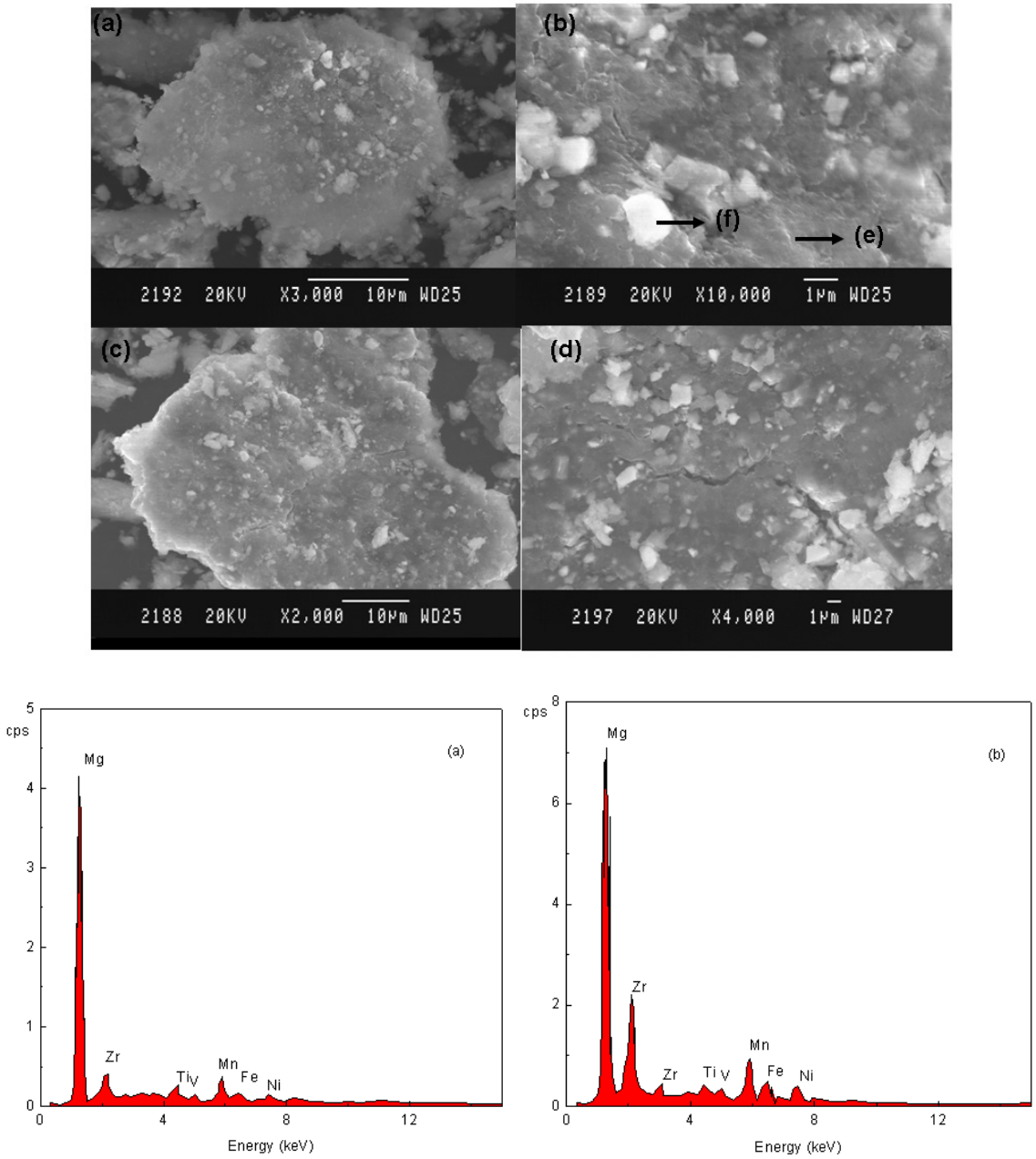

Figure 4. SEM image and EDAX patterns of Mg + x wt% $Ti_{0.1}Zr_{0.9}Mn_{0.9}V_{0.1}Fe_{0.5}Ni_{0.5}$ composite material: (a) $x = 25$, (b) $x = 40$, (c) $x = 50$, (d) $x = 75$.