

Erratum: Structural growth in iron oxide clusters: Rings, towers, and hollow drums [Phys. Rev. B 72, 165411 (2005)]

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An extension of the calculations described within this paper has been carried out to include cages as a possibility for structural growth. Cages for the Fe_9O_9 and $\text{Fe}_{10}\text{O}_{10}$ clusters have been found to be more stable than previously reported structures by 0.02 eV/atom. Within the accuracy of the calculations, these results are comparable in energy to the towers and can be regarded as isomers. The cage structure for $\text{Fe}_{12}\text{O}_{12}$ shown in Fig. 1 is 0.07 eV/atom more stable than the previous isomers that were found. Further atomic oxygen adsorption forms cages for Fe_8O_9 , Fe_9O_{10} , $\text{Fe}_{10}\text{O}_{11}$, and $\text{Fe}_{12}\text{O}_{13}$ that are more stable by 0.03, 0.01, 0.06, and 0.07 eV/atom, respectively. The authors will grant details of the structures upon request.

These errors do not affect the conclusions of this paper.

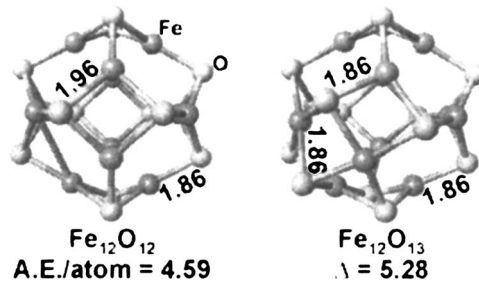


FIG. 1. Ground state geometries, atomization energy A.E./atom (eV/atom), and the binding energy of the additional O atom Δ (eV) for the $\text{Fe}_{12}\text{O}_{12}$ and $\text{Fe}_{12}\text{O}_{13}$ clusters.