CORRIGENDUM

Microstructural and electrical properties of $Ce_{0.9}Gd_{0.1O1.95}$ thin film electrolyte in solid oxide fuel cells – CORRIGENDUM

Sungmee Cho, Jongsik Yoon, Jung-Hyun Kim, Xinghang Zhang, Arumugam Manthiram, and Haiyan Wang

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An error was found in Sec. III with reference to Fig. 1 units. The correct unit is Å, not nm as published.

The crystallinity of the films increases with increasing substrate temperature as evidenced by the increasing peak intensity of (002) and (004) GDC peaks. It is interesting to note that GDC on YSZ still maintains a cube-on-cube matching relation, even though YSZ (a = 5.147 Å) has a large lattice mismatch with GDC (a = 5.418 Å). The lattice mismatch is about 5%. Based on the GDC (002) and (004) peak positions, the calculated lattice parameter of the GDC thin films is 5.412 Å.

Reference

1. S. Cho, J. Yoon, J.-H. Kim, X. Zhang, A. Manthiram, and H. Wang: Microstructural and electrical properties of $Ce_{0.9}Gd_{0.1O1.95}$ thin film electrolyte in solid oxide fuel cells. *J. Mater. Res.* **26**(7), 854 (2011).

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