Journal of Materials Chemistry A

CORRECTION

View Article Online
View Journal | View Issue

Cite this: J. Mater. Chem. A, 2015, 3, 12558

DOI: 10.1039/c5ta90117k

www.rsc.org/MaterialsA

Correction: Effects of the fabrication process on the grain-boundary resistance in $BaZr_{0.9}Y_{0.1}O_{3-\delta}$

S. Ricote,*[a] N. Bonanos,[b] A. Manerbino,[c] N. P. Sullivan[a] and W. G. Coors[c]

Correction for 'Effects of the fabrication process on the grain-boundary resistance in $BaZr_{0.9}Y_{0.1}O_{3-\delta}$' by S. Ricote *et al.*, *J. Mater. Chem. A*, 2014, **2**, 16107–16115.

The conductivity values at 600 °C of SSR-Ni and SSRS in Table 4 of the manuscript are incorrect. The correct values are included in the revised table below.

Table 4 Conductivity in (mS cm^{-1}) of BZY10 in moist reducing atmosphere at 500 and 600 °C from this work and literature

Synthesis	Sintering	Total conductivity 600 °C	Total conductivity 500 °C	Atmosphere	Ref.
Solid state reaction	5 h 1800 °C	1.8	—	H_2, 1.7×10^3 Pa H_2O	6
Solid state reaction	30 h 1715 °C	0.8	—	4% H_2, moist	40
Flash combustion	1500 °C	2.2	—	N_2, 3% H_2O	41
Pechini process	10 h 1600 °C	0.8	0.55	N_2, 20.65 h Pa H_2O	42
Solid state reaction	1700 °C	—	0.55	5% H_2, moist	30
Solid state reaction	10 h 1750 °C	~6	~4	H_2, 1.9 kPa H_2O	43
SPS	5 min 1700 °C	2.32	1.4	5% H_2, 0.03 atm H_2O	This work
HT	2200 °C	3.43	1.7	5% H_2, 0.03 atm H_2O	This work
SSR-Ni	12 h 1600 °C	2.7	1.1	5% H_2, 0.03 atm H_2O	This work
SSRS	5 h 1535 °C	3.0	1.6	5% H_2, 0.03 atm H_2O	This work

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

[a]Colorado Fuel Cell Center, Mechanical Engineering Dept, 1500 Illinois Street, Golden, CO 80401, USA. E-mail: sricote@mines.edu; Tel: +1 303 384 2091
[b]Department of Energy Conversion and Storage, Danish Technical University, Frederiksborgvej 399, 4000 Roskilde, Denmark
[c]Coorstek Inc., 600 9th Street, Golden, CO 80401, USA