

Introduction

Here is your introduction. Привет!

Experimental

Samples preparation

The samples were prepared by...

The structural analysis

X-ray powder diffraction (XRPD) was performed at the...

Oxygen conductivity performance

The oxygen conductivity experiments were carried out by...

Рис. 1: Scheme of the membrane reactor

Рис. 2: Characteristic data obtained at the set up

Acknowledgments

Many thanks to...

Results and Discussion

Although the samples involved were considered to have...

Рис. 3: Diffraction profile of 110 peak

Рис. 4: Lattice parameters of the two phases

Fig. 4 shows...

Phases proportion

If one considers the process of structural transformation to have...

Oxygen conductivity

The thermal dependence of oxygen conductivity through the membrane could be written as follows: . . .

The similarity in activation energy values and the connection between oxygen conductivity and the second phase

The $E_{activation}$ values determined from these two methods turned out to be rather similar.

Conclusion

- The first conclusion.
- The second conclusion.
- The third conclusion.