

F2.1 (D. Gerthsen / E. Ivers-Tiffée)

- [F2.1:1] ‡ M. Burriel, C. Niedrig, W. Menesklou, S.F. Wagner, J. Santiso, and E. Ivers-Tiffée, *BSCF epitaxial thin films: Electrical transport and oxygen surface exchange*, [Solid State Ionics](#) **181**, 602 (2010)
- [F2.1:2] * P. Müller, L. Dieterle, E. Müller, H. Störmer, D. Gerthsen, C. Niedrig, S. Taufall, S.F. Wagner, and E. Ivers-Tiffée, *Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-δ} for Oxygen Separation Membranes*, [ECS Transactions](#) **28**, 309 (2010)
- [F2.1:3] C. Niedrig, S. Taufall, M. Burriel, W. Menesklou, S.F. Wagner, S. Baumann, and E. Ivers-Tiffée, *Thermal stability of the cubic phase in Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-δ} (BSCF)*, *Solid State Ionics* **197**, 25 (2011)
- [F2.1:4] S.F. Wagner, S. Taufall, C. Niedrig, H. Götz, W. Menesklou, S. Baumann, and E. Ivers-Tiffée, *pO₂ stability of Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-δ}*, *Mater. Res. Soc. Symp. Proc.* **1309**, 57 (2011)
- [F2.1:5] C. Niedrig, P. Braun, W. Menesklou, S.F. Wagner, and E. Ivers-Tiffée, *Investigation of MIEC Materials using an Amperometric Oxygen Titration Method*, *ECS Transactions* **45**, 75 (2012)
- [F2.1:6] * P. Müller, H. Störmer, L. Dieterle, C. Niedrig, E. Ivers-Tiffée, and D. Gerthsen, *Decomposition pathway of cubic Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-δ} between 700 °C and 1000 °C analyzed by electron microscopy*, *Solid State Ionics* **206**, 57 (2012)
- [F2.1:7] * P. Müller, H. Störmer, M. Meffert, L. Dieterle, C. Niedrig, S.F. Wagner, E. Ivers-Tiffée, and D. Gerthsen, *Secondary phase formation in Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-d} studied by electron microscopy*, *Chem. Mater.* **25**, 564 (2013)
- [F2.1:8] C. Niedrig, W. Menesklou, S.F. Wagner, and E. Ivers-Tiffée, *High-Temperature pO₂ Stability of Metal Oxides Determined by Amperometric Oxygen Titration*, *J. Electrochem. Soc.* **160**, F135 (2013)
- [F2.1:9] A. Häffelin, C. Niedrig, S.F. Wagner, and E. Ivers-Tiffée, *Three-Dimensional Performance Model for Oxygen Transport Membranes*, *ECS Transactions* **57**, 2543 (2013)
- [F2.1:10] P. Müller, M. Meffert, H. Störmer, R. Schneider, and D. Gerthsen, *Fast Mapping of the cobalt valence state in Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-d} by Electron Energy Loss Spectroscopy*, *Microscopy and Microanalysis* **19**, 1595 (2013)

Invited Talks at International Conferences

- E. Ivers-Tiffée, *Determination of oxygen chemical transport parameters of MIEC materials from electrochemical impedance spectroscopy*, [invited talk](#), E-MRS Fall Meeting, Warsaw/Poland, September 2009
- E. Ivers-Tiffée, W. Menesklou, *Determination of oxygen chemical transport parameters of MIEC materials from electrochemical impedance spectroscopy*, [invited talk](#), Summer School "Ceramic membranes for green chemical production and clean power generation", Valencia/Spain, September 2010
- C. Niedrig, W. Menesklou, A. Weber, S.F. Wagner, E. Ivers-Tiffée, *Electrochemical properties and stability of MIEC membrane materials*, [invited talk](#), 12th Jülicher Werkstoffsymposium "Gas Separation Membranes for Zero-Emission Fossil Power Plants", Jülich/Germany, October 2011
- S.F. Wagner, A. Häffelin, C. Niedrig, W. Menesklou, E. Ivers-Tiffée, *MIEC Materials for Membrane Applications: Electrochemical Characterization and Performance Modeling*, [invited talk](#), Summer School "Inorganic membranes for green chemical production and clean power generation", Valencia/Spain, September 2013