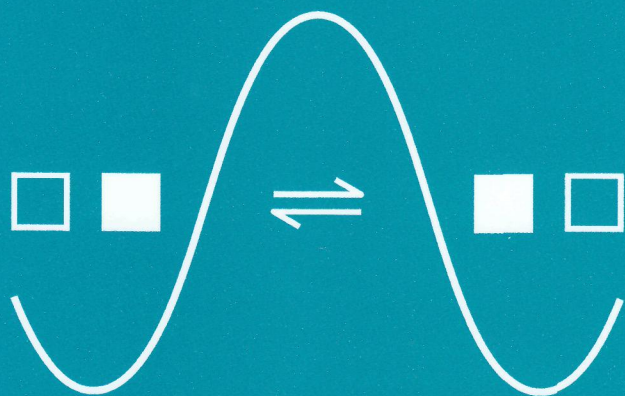




SOLID STATE IONICS

DIFFUSION & REACTIONS



Principal Editor

Joachim Maier, Stuttgart, Germany

Regional Editor Europe

John Kilner, London, UK

Regional Editor Asia

Koichi Eguchi, Kyoto, Japan

Regional Editor USA

Arumugam Manthiram, Austin, TX, USA

Editors

Klaus Funke, Münster, Germany

Truls Norby, Oslo, Norway

Josh Thomas, Uppsala, Sweden

Founding Editor

M. Stanley Whittingham, Binghamton, NY, USA

Editorial Assistant

Rotraut Merkle, Stuttgart, Germany

Solid State Ionics

Volume 240, Pages 1-52 (1 June 2013)

Editorial Board

Page IFC

Synthesis and characterization of novel cross-linked quaternized poly(vinyl alcohol) membranes based on morpholine for anion exchange membranes

Original Research Article

Pages 1-9

Li Ye, Liangfang Zhai, Jianhua Fang, Jianhong Liu, Cuihua Li, Rong Guan

Electrochemical examination of core-shell mediated Li⁺ transport in Li₄Ti₅O₁₂ anodes of lithium ion batteries

Original Research Article

Pages 10-18

D.J. Crain, J.P. Zheng, D. Roy

Oxygen order-disorder phase transition in layered GdBaCo₂O_{5+δ} perovskite: Thermodynamic and transport properties

Original Research Article

Pages 19-28

Liliana Mogni, Fernando Prado, Catalina Jiménez, Alberto Caneiro

Thermal behaviour of crystal and domain structure of LSGMn-05 anode material for SOFC

Original Research Article

Pages 29-33

T. Tataryn, L. Vasylechko, D. Savytskii, M. Berkowski, C. Paulmann, U. Bismayer, A. Tarnavsky

Lifetime of the internal reference oxygen sensor

Original Research Article

Pages 34-40

Qiang Hu, Torben Jacobsen, Karin Vels Hansen, Mogens Bjerg Mogensen

High temperature oxidation of chromium: Kinetic modeling and microstructural investigation

Original Research Article

Pages 41-50

Samuel Hallström, Mats Halvarsson, Lars Höglund, Torbjörn Jonsson, John Ågren

Calendar

Page 51