

Curriculum Vitae

Name: Denis Gryaznov

Date of birth: 05.03.1977

Place of birth Riga, Latvia

Work experience

Baltic Scientific Instruments Ltd., Riga, Latvia 1998-2002

Research Assistant

Responsibility: Preparation and measurements of electrical properties of semiconductor x- and γ -ray radiation detectors

Education

1) Max Planck Institute for Solid State Research, Stuttgart 2002-2006

PhD Student

Dissertation: *Simulation of Diffusion in Nanocrystalline Materials: Continuum Approach*

2) Transport and Telecommunication Institute 1999-2001

Masters Degree

3) Riga Aviation University 1995-1999

Bachelors Degree

Publications

D. Gryaznov, J. Fleig, J. Maier, *Numerical Study of Grain Boundary Diffusion in Nanocrystalline Materials*, Defect and Diffusion Forum, Vols. 237-240 (2005), pp. 1043-148

D. Gryaznov, J. Fleig, J. Maier, *Numerical Study of Grain Boundary Diffusion in Nanocrystalline Materials Including Blocking Space Charges*, Solid State Ionics, Vol. 177 (2006), pp. 1583-1586

D. Gryaznov, J. Fleig, J. Maier, *Numerical Study of Grain Boundary Diffusion: Size Effects*, Diffusion Fundamentals, Vol. 2 (2005), pp. 49 (<http://www.uni-leipzig.de/diffusion/journal/>)

R. A. Evarestov, E. A. Kotomin, Yu. A. Mastrikov, **D. Gryaznov**, E. Heifets, J. Maier, *Comparative DFT LCAO and plane wave calculations of LaMnO₃ surfaces*, Phys. Rev. B, Vol. 72 (2005), pp. 214411

D. Fuks, L. Bakaleinikov, E. A. Kotomin, J. Felsteiner, A. Gordon, R. A. Evarestov, **D. Gryaznov**, J. Maier, *Thermodynamics Stability and Disorder in La_cSr_{1-c}MnO₃ solid solutions*, Solid State Ionics, Vol. 177 (2006), pp. 217-222

A. Schröder, J. Fleig, **D. Gryaznov**, J. Maier, W. Sitte, *Quantitative Model of Electrochemical Ostwald Ripening and Its Application to the Time-Dependent Electrode Potential of Nanocrystalline Metals*, J. Phys. Chem. B, Vol. 110 (2006), pp. 12274-12280