

Appendix B

Presentations and Publications

Publications

K.J.W. Atkinson, Robin W. Grimes, Mark R. Levy, Zoe L. Coull, Tim English, *Accommodation of impurities in $\alpha\text{-Al}_2\text{O}_3$, $\alpha\text{-Cr}_2\text{O}_3$ and $\alpha\text{-Fe}_2\text{O}_3$* , Journal of the European Ceramic Society, 23 (2003) 3059-3070.

Mark R. Levy, Robin W. Grimes, Kurt E. Sickafus, *Disorder processes in $A^{3+}B^{3+}O_3$ compounds: implications for radiation tolerance*, Philosophical Magazine, 84 (2004) 533-545.

Mark R. Levy, Brian C.H. Steel, Robin W. Grimes, *Divalent Cation Solution in $A^{3+}B^{3+}O_3$ Perovskites*, Solid State Ionics, 175 (2004) 349-352.

Mark R. Levy, K.J.W. Atkinson, Oneyka H. Odili, Robin W. Grimes, *Dielectric Relaxation of Lithium Doped Zinc Fluoride*, Submitted to: Physica B.

Conference Presentations

Dielectric Constant Prediction Maps for $A^{3+}B^{3+}O_3$ Compositions, 104th Annual Meeting of the American Ceramics Society, Indianapolis, IN., USA, 18th April - 24th April 2004.

Structure Prediction Maps for $A^{3+}B^{3+}O_3$ Compositions, 106th Annual Meeting of the American Ceramics Society, Indianapolis, IN., USA, 18th April - 24th April 2004.

Divalent Cation Solution into a series of $A^{3+}B^{3+}O_3$ Perovskites, Keynote Presentation, 14th International Solid State Ionics Conference, Monterey, CA., USA, 23rd - 27th June 2003.

Composition Defect Maps for $A^{3+}B^{3+}O_3$ Perovskites, 14th International Solid State Ionics Conference, Monterey, CA., USA, 23rd - 27th June 2003.

Composition Defect Maps for $A^{3+}B^{3+}O_3$ Perovskites, Computer Simulations in Advanced Materials, Paris, France, 5th - 6th June 2003.

Composition Defect Maps for $A^{3+}B^{3+}O_3$ Perovskites, 104th Annual Meeting of the American Ceramics Society, St. Louis MO., USA, 29th April - 2nd May 2002.