

Moses Ntam, Ph.D., Assistant Professor, Physics Department, College of Arts and Sciences  
Publications and presentations 2002-2016

### Publications

1. Xiaoli Tang, \* Moses C. Ntam, Jianjun Dong, Emma S. G. Rainey, and Abby Kavner, *Geophys. Res. Lett.* **41**, L03301 (2014).  
Letters(March 2014).
2. First-Principles Calculation of Thermal Conductivity in MgO and NaCl at High Temperatures, 2009 COMPRES annual Meeting.
3. Effects of lattice anharmonicity on the thermodynamic properties of minerals at high temperatures: Principles calculation of Thermal Conductivity of silicate perovskite at high pressures and temperatures, 2011 American Physical Society (APS) March meeting.
5. First-principles study of pressure dependence of lattice thermal conductivity of  $\text{Al}_2\text{O}_3$ , 2011 COMPRES annual meeting.
6. First-principles calculation of lattice thermal conductivity of ferropericlaite  $\text{Mg}_{1-x}\text{Fe}_x\text{O}$ ,

Contributed talk, Focus Session: Materials at High Pressure; Geophysical Materials, 2011 APS March Meeting First-Principles calculation of Thermal Conductivity of silicate perovskite at high pressures and temperatures, Dallas, Texas, March 23, 2011.

Contributed talk, Focus Session: Thermoelectrics Materials, 2011 APS March Meeting Thermal Conductivity of Aluminium Oxide from First Principles, Dallas, Texas, March 24, 2011.

Selected Graduate Student Talk, 2011 annual conference of the National Society of Black Physicists and National Society of Hispanic Physicists First-principles calculation of lattice thermal conductivity of lower mantle minerals Renaissance Hotel, Austin, TX Sept. 24 Sept. 24, 2011.

Poster presentation, 2011 COMPRES Annual Meeting First-principles study of pressure dependence of lattice thermal conductivity of  $\text{Al}_2\text{O}_3$ . Kingsmill Resort, Williamsburg, Virginia, June 14-17, 2011.

Poster presentation, 2011 American Geophysical Union AGU Annual Meeting, First-principles calculation of lattice thermal conductivity of ferropericline  $\text{Mg}_{1-x}\text{Fe}_x\text{O}$ . Moscone Center, San Francisco, California, December 19, 2011.