

Moses Ntam, Ph.D., Assistant Professor, Physics Department, College of Arts and Sciences
Publications and presentations 2008-2016

Publications

1. Xiaoli Tang,* **Moses C. Ntam**, Jianjun Dong, Emma S. G. Rainey, and Abby Kavner, *Geophysical Research 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: (ETQ00000912 0 612 792 reW* nBT/F2 11.04 Tf1 0 0 1 106.7 512.23 Tm0 g0 G2lPn0Qn2n T 0 0 C

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 $\gamma\text{-Al}_2\text{O}_3$, 2011 COMPRES annual meeting.

6. First-principles calculation of lattice thermal conductivity of ferropericlase $\text{Mg}_{1-x}\text{Fe}_x\text{O}$,

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: Thermoelectric Materials, 2011APS March Meeting *Thermal Conductivity of Aluminium Oxide from First-Principles*, Dallas, Texas, March 24, 2011.

Selected Graduate Student Talk, 2011 joint 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. 21-Sept. 24, 2011.

Poster presentation, 2011 COMPRES Annual Meeting, *First-principles study of pressure dependence of lattice thermal conductivity of α - Al_2O_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 ferropericlase $Mg_{1-x}Fe_xO$* . Moscone Center, San Francisco, California, December 5-9, 2011.