

**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,  
*Vj g'Vj gto ctiEqpf wexkxk' qh'Gctvj ai'Nqy gt 'Ocpwg.* 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  $\gamma\text{-Al}_2\text{O}_3$ ,  
2011COMPRES 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  $\alpha$ - $Al_2O_3$* . 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.