

Curriculum Vitae

Dr. Julia Wickett
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Education

University of Houston, Houston, TX
Ph.D. in Physics

University of Houston, Houston, TX
M.S. in Physics

University of Houston, Houston, TX
B.S. in Physics

Teaching Experience

Paradise Valley Community College, Phoenix, AZ August 2012 – December 2013
Adjunct Instructor – General Physics 1, Survey of Astronomy, and Introduction to Stars, Galaxies, and Cosmology

Lone Star Community College – North Harris, Houston, TX – January 2008 – December 2011
Adjunct Instructor – General Physics 1 and 2, University Physics 2, and Stellar Astronomy

Publications and Papers

Absorption Analysis of InAs/GaSb Superlattices Exhibiting Lateral Composition Modulation, 2006
TcSUH Student Symposium, Houston, TX

Effect of Strained Superlattice Layers on Formation of Lateral Composition Modulation and on Optical Response in InAs/GaSb Superlattices, 2006
University of Houston Sigma Xi Research Day, Houston, TX

Absorption Analysis of Laterally Compositionally Modulated InAs/GaSb Superlattices, 2004
MRS Fall Meeting, Boston, MA

IR Absorption Spectra of InAs/GaSb Nanostructures, 2004
Texas Section APS Meeting, Waco, TX

Publications

J.H. Li, D.W. Stokes, J.C. Wickett, O. Caha, K.E. Bassler, and S.C. Moss, "Effect of Strain on the Growth of InAs/GaSb Superlattices: An X-Ray Study," J. Appl. Phys. 107, 2013, pp. 123504

HJ Haugan, F Szmulowicz, GJ Brown, B Ullrich, SR Munshi, JC Wickett, and DW Stokes, "Short-Period InAs/GaSb Superlattices for Mid-Infrared Photodetectors," *Phys. Stat. Sol. (C)*, 4, 2007, pp. 1702

HJ Haugan, K Mahalingam, GJ Brown, WC Mitchel, B Ullrich, L Grazulis, S Elhamri, JC Wickett, and DW Stokes, "Growth of Short-Period InAs/GaSb Superlattices," *J. Appl. Phys.*, 100, 2006, pp. 123110

D.W. Stokes, J.H. Li, R.L. Forrest, S.L. Ammu, J.C. Lenzi, S.C. Moss, B. Nosh, E.H. Aifer, B. Bennett and L.J. Whitman, "Optical and Structural Properties of InAs/GaSb Nanostructures," *Materials Research Society Symposia Proceedings*, 794, 2004, pp. 271-276

RL Meng, B Lorenz, J Cmaidalka, YS Wang, YY Sun, J Lenzi, JK Meen, YY Xue, and CW Chu, "Study of Intermetallic Compounds Isostructural to MgB₂," *IEEE Transactions on Applied Superconductivity*, 13, 2003, pp. 3042

B Lorenz, J Lenzi, J Cmaidalka, RL Meng, YY Sun, YY Xue, and CW Chu, "Superconductivity in the C32 Intermetallic Compounds AAl₂(2-x)Si(x), with A = Ca and Sr, and 0.6 < x < 1.2," *Physica C-superconductivity and its Applications*, 383, 2002, pp. 191

B Lorenz, RL Meng, J Cmaidalka, YS Wang, J Lenzi, YY Xue, and CW Chu, "Synthesis, Characterization and Physical Properties of the Superconducting Ferromagnet RuSr₂GdCu₂O₈," *Physica C-superconductivity and its Applications*, 363, 2001, pp. 251