

The Center for Integrated Nanotechnologies (CINT) FY13 publications

Note: CINT Scientist authors are indicated in red; CINT User authors are indicated in green (external) and orange (internal).

CINT Science (54)

1. Azad, A. K., O'Hara, J. F., Singh, R., **Chen, H.-T.**, **Taylor, A. J.** (2013) "A review of terahertz plasmonics in subwavelength holes on conducting films" IEEE Journal of Selected Topics in Quantum Electronics: 19, 8400416
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4. Benz, A., Montano, I., Klem, J.F., **Brener, I.** (2013) "Tunable metamaterials based on voltage controlled strong coupling" Applied Physics Letters: 103, 263116
5. Bi, Z., Uberuaga, B.P., Fu, E.G., Wang, Y.Q., Li, N., Wang, H.Y., Misra, A., **Jia, Q.X.** (2013) Radiation damage in heteroepitaxial BaTiO₃/SrTiO₃ thin films under Ne ion irradiation," Journal of Applied Physics: 113, 023513
6. Bolintineanu, D.S., **Stevens, M.J.**, **Frischknecht, A.L.** (2013) "Influence of Cation Type on Ionic Aggregates in Precise Ionomers" Macromolecules: 46, 5381
7. Bolintineanu, D.S., **Stevens, M.J.**, **Frischknecht, A.L.** (2013) "Atomistic Simulations Predict a Surprising Variety of Morphologies in Precise Ionomers" ACS Macro Letters: 2, 206-210
8. Brady, N.K., Perkins Jr., B.G., Hwang, H.Y., Brandt, N.C., Torchinsky, D., Singh, R., Yan, L., Trugman, D., **Trugman, S.A.**, **Jia, Q.X.**, **Taylor, A.J.**, Nelson, K.A., **Chen, H.T.** (2013) "Nonlinear high-temperature superconducting terahertz metamaterials," New Journal of Physics: 15, 105016
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11. Chen, J., Meng, Q., Inerbaev, T., **Tretiak, S.**, Schmitz, A., Kilin, D.S. (2013) "First-principles study of p-n-doped silicon quantum dots: charge transfer, energy dissipation, and time-resolved emission" Journal of Physical Chemistry Letters: 4, 2906-2913
12. Conradson, S.D., Durakiewicz, T., Espinosa-Faller, F.J., An, Y., Anderson, D.A., Bishop, A.R., Boland, K.S., Bradley, J.A., Byler, D.D., Clark, D.L., Conradson, D.R., Conradson, L.L., Costello, A.L., Hess, N.J., Lander, G.H., Llobett, A., Martucci, M.B., Mustre de Leon, J., Nordlund, D., Lezama-Pacheco, J.S., Proffen, T.E., Rodriguez, G., Schwarz, D.E., Seidler, G.T., **Taylor, A.J.**, **Trugman, S.A.**, Tyson, T.A., Valdez, J.A. (2013) "Possible Bose-condensate behavior in a quantum phase originating in a collective excitation in the chemically and optically doped Mott-Hubbard system UO_{2+x}" Physical Review B: 88, 115135

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31. McCleskey, T.M., Bauer, E., **Jia, Q.X.**, Burrell, A.K., Scott, B.L., Conradson, S.D., Mueller, A., Roy, L., Wen, X.D., Scuseria, G.E., Martin, R.L. (2013) "Optical band gap of NpO_2 and PuO_2 from optical absorbance of epitaxial films," Journal of Applied Physics: 113, 013515
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CINT User Science - External (115)

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