

List of Publications

Portions of this thesis have been drawn from the following publications:

Tunable Color Filters Based on Metal-Insulator-Metal Resonators. K. Diest, J.A. Dionne, M. Spain, and H.A. Atwater, *Nano Letters*, **9**, 2579 July 2009

Competing failure mechanisms in thin films: application to layer transfer. L. Ponson, K. Diest, H.A. Atwater, G. Ravichandran, and K. Bhattacharya, *Journal of Applied Physics*, **105**, 073514 April 2009

PlasMOStor: a metal-oxide-Si field effect plasmonic modulator. J.A. Dionne*, K. Diest*, L.A. Sweatlock, and H.A. Atwater, *Nano Letters*, **9**, 897 January 2009

Silver diffusion bonding and layer transfer of lithium niobate to silicon. K. Diest, M.J. Archer, J.A. Dionne, Y.B. Park, M.J. Czubakowski, and H.A. Atwater, *Applied Physics Letters*, **93**, 092906 September 2008

Single crystalline BaTiO₃ thin films synthesized using ion implantation induced layer transfer. Y.B. Park, K. Diest, and H.A. Atwater, *Journal of Applied Physics* **102**, 074112 October 2007

Growth and optical property characterization of textured barium titanate thin films for photonic applications. M.J. Dicken, K. Diest, Y.B. Park, and H.A. Atwater, *Journal of Crystal Growth* **300**, 330 March 2007

The effect of biaxial texture on the effective electromechanical constants of polycrystalline barium

titanate and lead titanate thin films. J.L. Ruglovsky, J. Li, K. Diest, K. Bhattacharya, and H.A. Atwater, *Acta Materialia* **54**, 3657 May 2006