

B1.9 (R. Krupke)

- [B1.9:1] M. Oron-Carl and R. Krupke, *Raman spectroscopic evidence for hot phonon generation in electrically biased carbon nanotubes*, Phys. Rev. Lett. **100**, 127401 (2008)
- [B1.9:2] A. Vijayaraghavan, S. Blatt, C.W. Marquardt, S. Dehm, R. Wahi, F. Hennrich and R. Krupke, *Imaging electronic structure of carbon nanotubes by voltage-contrast scanning electron microscopy*, Nano Research **1**, 321 (2008)
- [B1.9:3] A. Vijayaraghavan, C. Sciascia, S. Dehm, A. Lombardo, A. Bonetti, A.C. Ferrari, and R. Krupke, *Dielectrophoretic assembly of high-density arrays of individual graphene devices for rapid screening*, ACS Nano **3**, 1729 (2009)
- [B1.9:4] W. Yan, N. Mechau, H. Hahn, and R. Krupke, *Ultraviolet photodetector arrays assembled by dielectrophoresis of ZnO nanoparticles*, Nanotechnology **21**, 115501 (2010)
- [B1.9:5] A. Vijayaraghavan, C.W. Marquardt, S. Dehm, F. Hennrich, and R. Krupke, *Defect imaging in single-walled carbon nanotubes by voltage-contrast scanning electron microscopy*, Carbon **48**, 494 (2010)
- [B1.9:6] * A. Vijayaraghavan, F. Hennrich, N. Stürzl, M. Engel, M. Ganzhorn, M. Oron-Carl, C.W. Marquardt, S. Dehm, S. Lebedkin, M.M. Kappes, and R. Krupke, *Single-chirality carbon nanotube device arrays*, ACS Nano **4**, 2748 (2010)
- [B1.9:7] * S. Essig, C.W. Marquardt, A. Vijayaraghavan, M. Ganzhorn, S. Dehm, F. Hennrich, F. Ou, A.A. Green, C. Sciascia, F. Bonaccorso, K.-P. Bohnen, H. v. Löhneysen, M.M. Kappes, P.M. Ajayan, M.C. Hersam, A.C. Ferrari, and R. Krupke, *Phonon-assisted electroluminescence from metallic carbon nanotubes and graphene*, Nano Lett. **10**, 1589 (2010)
- [B1.9:8] ‡ M. Kinoshita, M. Steiner, M. Engel, J.P. Small, A.A. Green, M.C. Hersam, R. Krupke, E.E. Mendez, P. Avouris, *The polarized carbon nanotube thin film LED*, Opt. Express **18**, 25738 (2010)
- [B1.9:9] ‡ R.S. Sundaram, M. Steiner, H.-Y. Chiu, M. Engel, A.A. Bol, R. Krupke, M. Burghard, K. Kern, P. Avouris, *The Graphene–Gold Interface and Its Implications for Nanoelectronics*, Nano Lett. **11**, 3833 (2011)
- [B1.9:10] * M.H.P. Pfeiffer, N. Stürzl, C.W. Marquardt, M. Engel, S. Dehm, F. Hennrich, M.M. Kappes, U. Lemmer, R. Krupke, *Electroluminescence from chirality-sorted (9,7)-semiconducting carbon nanotube devices*, Optics Expr. **19**, A1184 (2011)