

A4.2 (Lemmer / Eisler)

- [A4.2:1] J. Hetterich, G. Bastian, N.A. Gippius, S.G. Tikhodeev, G. von Plessen, and U. Lemmer, *Optimized design of plasmonic MSM photodetector*, IEEE J. Quantum Electron. **43**, 855 (2007)
- [A4.2:2] M. Punke, S. Valouch, S.W. Kettlitz, N. Christ, C. Gärtner, M. Gerken, and U. Lemmer, *Dynamic characterization of organic bulk heterojunction photodetectors*, Appl. Phys. Lett. **91**, 071118 (2007)
- [A4.2:3] S. Peters, Y. Sui, F. Glöckler, U. Lemmer, and M. Gerken, *Organic photodetectors for an integrated thin-film spectrometer*, Proc. SPIE **6765**, 676503 (2007)
- [A4.2:4] M. Punke, S. Valouch, S.W. Kettlitz, M. Gerken, and U. Lemmer, *Optical data link employing organic light-emitting diodes and organic photodiodes as optoelectronic components*, J. Lightwave Technol. **26**, 816 (2008)
- [A4.2:5] T. Rauch, M. Böberl, S.F. Tedde, J. Fürst, M.V. Kovalenko, G. Hesser, U. Lemmer, W. Heiss, and O. Hayden, *Near-Infrared Imaging with Quantum-Dot-Sensitized Organic Photodiodes*, Nature Photonics **3**, 332 (2009)
- [A4.2:6] N.S. Christ, S.W. Kettlitz, S. Valouch, S. Züfle, C. Gärtner, M. Punke, and U. Lemmer, *Nanosecond response of organic solar cells and photodetectors*, J. Appl. Phys. **105**, 104513 (2009)
- [A4.2:7] * M.D. Wissert, A. Schell, K.S. Ilin, M. Siegel, and H.-J. Eisler, *Nanoengineering and Characterization of Gold Dipole Nanoantennas with Enhanced Integrated Scattering Properties*, Nanotechnology **20**, 425203 (2009)
- [A4.2:8] S. Valouch, C.M. Ögün, S.W. Kettlitz, S. Züfle, N. Christ, and U. Lemmer, *Printed circuit board encapsulation and integration of high-speed polymer photodiodes*, Sensor Lett. **8**, 392 (2010)
- [A4.2:9] S. Züfle, N. Christ, S.W. Kettlitz, S. Valouch, and U. Lemmer, *Influence of temperature-dependent mobilities on the nanosecond response of organic solar cells and photodetectors*, Appl. Phys. Lett. **97**, 063306 (2010)
- [A4.2:10] * M.D. Wissert, K.S. Ilin, M. Siegel, U. Lemmer, and H.-J. Eisler, *Highly localized non-linear optical white-light response at nanorod ends from non-resonant excitation*, Nanoscale **2**, 1018 (2010)
- [A4.2:11] S.W. Kettlitz, S. Valouch, and U. Lemmer, *Organic solar cell degradation probed by the nanosecond photoresponse*, Appl. Phys. A **99**, 805 (2010)
- [A4.2:12] * M.D. Wissert, K.S. Ilin, M. Siegel, U. Lemmer, and H.-J. Eisler, *Coupled nanoantenna plasmon resonance spectra from two-photon laser excitation*, Nano Lett. **10**, 4161 (2010)
- [A4.2:13] N. Christ, S.W. Kettlitz, S. Züfle, S. Valouch, and U. Lemmer, *Nanosecond response of organic solar cells and photodiodes: Role of trap states*, Phys. Rev. B **83**, 195211 (2011)
- [A4.2:14] M.D. Wissert, B. Rudat, U. Lemmer, and H.-J. Eisler, *Quantum Dots as single-photon sources: Antibunching via two-photon excitation*, Phys. Rev. B **83**, 113304 (2011)
- [A4.2:15] * M.D. Wissert, C. Moosmann, K.S. Ilin, M. Siegel, U. Lemmer, and H.-J. Eisler, *Gold nanoantenna resonance diagnostics via transversal particle plasmon luminescence*, Opt. Expr. **19**, 3686 (2011)
- [A4.2:16] ‡ S. Pichler, T. Rauch, R. Seyrkammer, M. Böberl, S.F. Tedde, J. Fürst, M.V. Kovalenko, U. Lemmer, O. Hayden, and W. Heiss, *Temperature dependent*

*photoresponse from colloidal PbS quantum dot sensitized inorganic/organic hybrid photodiodes, Appl. Phys. Lett. **98**, 053304 (2011)*