

List of Publications

- C. Jamois, R.B. Wehrspohn, J. Schilling, F. Müller, R. Hillebrand, and W. Hergert, *Silicon-Based Photonic Crystal Slabs: Two Concepts*, IEEE J. Quantum Electron. **38**, 805-810 (2002)
- C. Jamois, R.B. Wehrspohn, C. Hermann, O. Hess, L.C. Andreani, and U. Gösele, *Silicon-Based Two-Dimensional Photonic Crystal Waveguides*, Photonics and Nanostructures: Fundamentals and Applications **1**, 1-13 (2003)
- C. Jamois, R.B. Wehrspohn, C. Hermann, O. Hess, L.C. Andreani, and U. Gösele, *Silicon-Based Two-Dimensional Photonic Crystal Waveguides*, in *Micro-Optics*, ed. by J. Jahns, Springer (2003)
- C. Jamois, T. Geppert and R.B. Wehrspohn, *Design of a New Taper for Light Coupling Between a Ridge Waveguide and a Photonic Crystal Waveguide*, Mat. Res. Soc. Symp. Proc. **797**, W6.7.1 (2004)
- R. März, S. Burger, S. Golka, A. Forchel, C. Hermann, C. Jamois, D. Michaelis, and K. Wandel, *Planar High Index-Contrast Photonic Crystals for Telecom Applications*, in *Photonic Crystals: Advances in Design, Fabrication and Characterization*, ed. by K. Busch, S. Lölkes, R. B. Wehrspohn and H. Föll, Wiley, 308 (2004)
- R. Hillebrand, C. Jamois, J. Schilling, R.B. Wehrspohn and W. Hergert, *Computation of Optical Properties of Si-Based Photonic Crystals with Varying Pore Diameters*, Phys. Stat. Sol. (b) **240**, 124 (2003)
- C. Hermann, C. Jamois, R.B. Wehrspohn, O. Hess and U. Gösele, *Cladding Modes in Silicon-On-Insulator-Based Photonic Crystal Slabs*, submitted to Opt. Lett. (2004)
- A. P. Milenin, C. Jamois, M. Reiche and R. B. Wehrspohn, *Sub-Micron Patterning of Cr using Cl₂/O₂ Plasma Etching*, submitted to J. Vac. Sci. Technol. (2004)
- G. Mertens, T. Röder, H. Matthias, H. Marsmann, H-S. R. Kitzerow, S.L. Schweizer, C. Jamois, R.B. Wehrspohn and M. Neubert, *Two- and Three-Dimensional Photonic Crystals Made of Macroporous Silicon and Liquid Crystals*, Appl. Phys. Lett. **83**, 3036 (2003)
- S. Matthias, F. Müller, C. Jamois, R.B. Wehrspohn and U. Gösele, *Large-Area Three-Dimensional Nanostructuring by Self-Organized Electrochemical Etching and Lithography*, to be published in Adv. Mat.
- R. B. Wehrspohn, S. L. Schweizer, J. Schilling, T. Geppert, C. Jamois, R. Glatthaar, P. Hahn, A. Feisst and A. Lambrecht, *Application of photonic crystals for gaz detection and sensing*, in *Photonic crystals: Advances in design, fabrication and characterization*, ed. by K. Busch, S. Lölkes, R. B. Wehrspohn and H. Föll, Wiley, 238 (2004)

S. Richter, S. L. Schweizer, R. Hillebrand, C. Jamois, R. B. Wehrspohn, M. Zacharias and U. Gösele, *Interaction of Periodically Arranged Point Defects in a Two Dimensional Photonic Crystal - The Photonic Analogue to a Doped Semiconductor*, Mat. Res. Soc. Symp. Proc. **797**, 51 (2004)

S. Richter, S. L. Schweizer, R. Hillebrand, C. Jamois, R. B. Wehrspohn, M. Zacharias and U. Gösele, *Periodically Arranged Point Defects in a Two Dimensional Photonic Crystal - The Photonic Analogue to a Doped Semiconductor*, Proc. SPIE **5277**, 238 (2004)