High-Q photonic nanocavity  
Chip-scale fully reconfigurable optical add/drop multiplexing subsystem in polymer microphotonic circuits  
High-density multimode photonic backplane  
Magneto-optic photonic crystals as optical waveguide structures  
Cavity-enhanced near-field optical magnetometry  
Resonating periodic waveguides as ultraresolution sensors in biomedicine  
Photonics crystals enable infrared gas sensors  
Integrated ARROW waveguides for gas/liquid sensing  
Fabrication of micro-optical elements and biochip patterns on glass surface by imprint lithography  
Novel biomedical implant interconnects utilizing micromachined LCP  
Manipulation of DNA molecules using optical techniques for optically assisted DNA computing  
Optical detection of single molecules in nanofluidic chips  
Self-assembled gold nanowires from nanoparticles: an electronic route towards DNA nanosensors  
Optical elements with subwavelength structured surfaces  
Macroporous silicon-based polarization components  
Fabrication and characterization of GaAs-based space-variant inhomogeneous media for polarization control at 10.6 [μm]m  
Si photonic wire waveguides  
Design of thin-film-coated diffractive optical elements with frequency variant transmission functions  
Nanostructured diffractive optical elements on SiN[subscript x] membrane for UV-visible regime applications  
Waveguiding light in air with ultralow index metamaterials  
High-aspect ratio grating fabrication by imprint lithography  
Electromagnetic modeling of phase-shifting contact lithography by broadband ultraviolet illumination  
Formation of nanoscale dots on glass surface by microprobe ion manipulation  
Observation of nanometer-scale crystal grain orientation in ferroelectric thin films using polarization near-field scanning optical microscopy  
Diffraction effects in honeycomb arrays of multiwalled carbon nanotubes  
Enhancement of optical transmission through planar nanoapertures in a metal film  
Carbon-encapsulated iron nanoparticles prepared by laser pyrolysis: characterization and catalysts for carbon nanotubes and nanofibers  
Analysis of dual-frequency MEMS antenna using H-MRTD method  
Bandwidth enhancement in difference frequency generation by domain-shifted quasi-phase-matching structure  
Linear and nonlinear optics of thin metal films with randomly distributed subwavelength holes  
Silicon-based guided-mode resonance nanophotonic device  
Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.