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Finite-element based photonic crystal fiber

Poli, F.; Dept. of Inf. Eng numerical tool to accurately analyze the properties of both solid core and hollow core photonic crystal fibers. Winter Topical

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do not depend on quantum properties of light. These include photonic crystals, photonic crystal fibers and metamaterials. Amplifiers

Acousto-optic properties of photonic crystal

Photonic crystal fibers (PCFs) are a new class of optical fibers. They typically consist of a single glass material, such as pure silica, where the introduction of

Dispersion and polarization properties of

1. Introduction. Photonic crystal fibers (PCFs) are made from single material such as silica glass, with an array of microscopic air channels running along its length

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Estimation method of point spread function based on Kalman Filter for accurately evaluating real optical properties of photonic crystal fibers

Highly birefringent

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Supercontinuum generation from a photonic crystal optical fiber light sources which are finding applications in a properties of PCFs are

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References from the article Recent progress and novel applications of photonic crystal fibers. Russell P S J 2003 Photonic crystal fibers Science Poli F

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the current state of nonlinear optics in photonic crystal materials science and solitons in hollow-core photonic band-gap fibers. Science

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Large dispersion properties and nonlinear effects

Large dispersion properties and nonlinear effects in up/down doping honeycomb photonic crystal fiber. Polarization of Light with Applications in Optical Fibers

Analysis and design of photonic crystal fibers:

The international journal for computation and mathematics properties in photonic crystal fibers through Properties and Applications, Springer,

Osa | photonic-crystal fibers

Abstract. The history, fabrication, theory, numerical modeling, optical properties, guidance mechanisms, and applications of photonic-crystal fibers are reviewed.

Ultra-flattened chromatic dispersion and highly

Multiple defect core photonic crystal fiber with high birefringence induced Photonic Crystal Fibers: Properties and Applications, Springer Series in Materials

Photonic crystal fibers; fundamental properties

Since the first experimental demonstration of a photonic crystal fiber (PCF) in 1996 by Knight et al. the optical properties and the fabrication of such fibers have

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Photonic- crystal fiber characteristics benefit

Photonic-crystal fibers (PCFs) are among the most specialized optical lightguides. Ranging from fibers with low levels of nonlinearities supporting high-power pulses

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Yb-doped double-cladding large mode area rod-type photonic crystal fibers are a type photonic crystal fibers F. Poli, Properties and Applications (Springer

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