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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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Single-mode regime of 19-cell Yb-doped double-cladding photonic crystal fibers. Properties and Applications, Springer Series in Material Science, Poli, F

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

Osa | photonic-crystal fibers

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

Ten years of nonlinear optics in photonic crystal

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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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

Highly birefringent

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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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Optical properties of photonic crystals

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

Magneto-optic effect of photonic crystal fiber in

Bulletin of the Polish Academy of Sciences Technical Sciences fiber: applications and properties Photonic Crystal Fibres, Springer Science

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

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

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