Uruguayan hollow-core fiber single-mode

A novel five-tube nested double C-type single-polarization hollow-core anti-resonant fiber (HC-ARF) is proposed for single-polarization single-mode, ultra-low loss, and broadband ...

We propose a novel hollow-core anti-resonant fiber (HC-ARF) with double tangent circular arc tubes (CATs) for robust single-polarization single-mode (SPSM) operation.

We characterized the transmission of UV laser light through a single-ring hollow-core optical fiber which is designed for low-loss, single-mode transmission over a wavelength range of 250 nm to 450 nm.

Here we present the first single-moded, polarization-maintaining HCF with large core size needed for loss scaling.

We propose a novel hollow-core anti-resonant fiber (HC-ARF) with double tangent circular arc tubes (CATs) for robust single-polarization single ...

We demonstrate halving the record-low loss of interconnection between a nested antiresonant nodeless type hollow-core fiber (NANF) and standard single-mode fiber (SMF).

In this paper, we comprehensively review the progress in the development of HCFs including fiber design, fabrication and parameters (with comparisons to conventional single-mode ...

In the paper, a hollow-core anti-resonant fiber (HC-ARF) that can support SPSM beam transmission with an average loss of 15 dB/km in wavelengths beyond 1000 nm is proposed.

Review of the topic of interconnectivity between hollow core fibres and conventional single-mode fibres. Focus on the key parameters: limits of coupling loss, and measurement ...

A 5-tube nested hollow-core fiber has been proposed to simultaneously achieve ultra-low loss (<1dB/km), broader transmission window, and effectively single-m

A novel hollow-core anti-resonant fiber (HC-ARF) with various-diameter anti-resonant elements (AREs) that can simultaneously provide low bending losses and robust single-mode ...

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