

Comparison of Low Temperature Resistance and Cost-Effectiveness of Planar Optical Waveguides

In this paper, a temperature sensor based on a polymer-silica heterogeneous integrated Mach-Zehnder interferometer (MZI) structure is proposed. The MZI structure consists of a polymer ...

Polymers that are low-cost and easy to process have emerged as the preferred option for preparing novel optical waveguides to enhance the flexibility of optical fiber sensing.

This study aimed to explore fabrication of optical waveguides using recycled expanded polystyrene (EPS) as the core material. The recycling process was performed by heating EPS inside ...

1. the act of comparing. 2. the state of being compared. 3. a likening; comparative estimate or statement. 4. capability of being compared or likened; similarity.

Comparison definition: The quality of being similar or equivalent; likeness.

Comparison or comparing is the act of evaluating two or more things by determining the relevant, comparable characteristics of each thing, and then determining which characteristics of each are ...

A basic comparison between organic and inorganic material systems is shown in Table 5.2 (), whereby the author concerns himself solely with single-mode waveguides which are intended for use ...

Comprehensive waveguide technology analysis covering planar and grating solutions for optical applications. Discover cost-effective manufacturing strategies and performance optimization ...

When you make a comparison, you figure out how things are similar. Making comparisons is about taking a look at characteristics or qualities that show the similarities between living things, objects, or ...

In this work, we propose a much simpler and also resource- and cost-efficient gas sensor based on a planar polymer optical waveguide with a coated zeolite imidazole framework-8 (ZIF-8) ...

In this work, we describe a theoretical approach for combined thermal, mechanical and optical simulation and analysis of planar polymer waveguides. We consider a finite element approach ...

The meaning of COMPARISON is the act or process of comparing. How to use comparison in a sentence.

When you make a comparison, you say that one thing is like another in some way. It is demonstrably an unfair

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comparison.

Polymers that are low-cost and easy to process have emerged as the preferred option for preparing novel optical waveguides to enhance the flexibility of optical ...

Various photonic structures, including planar waveguides, Bragg gratings, photonic crystal slabs, microresonators, and interferometric configurations, are discussed concerning their sensing ...

Comparison is the act or process of analyzing two or more things in order to identify similarities and differences or to evaluate their relative significance, quality, or value.

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