How to get photon injections without a pigtail fiber

In this work, we present realizations of bright semiconductor singe-photon sources heterogeneously integrated with on-chip electrically-injected microlasers.

Learn about basic photon treatment planning techniques including use of multiple beams, field matching, field-in-field, blocking, use of MLCs, and more.

To help navigate this copious amount of information, this article will distill down this information to only discuss features relevant to optogenetic experiments. The first ...

mping are presented in Fig. 5(d). Under the pulsed ex-citation, each laser pulse is presumably to generate one single photon. By measuring the count rate in the single-photon de-tector and ...

To address this challenge, we have developed a novel approach to photonic packaging centered on shifting complexity from chip-level assembly to wafer-level planar fabrication.

Femtosecond laser fabrication is an acknowledged technique for producing integrated photonic devices with unique features, such as three-dimensional fabrication geometry, rapid ...

We recommend wiring the regulator directly to the power header pins or using a locking USB C cable. In any case we recommend hot gluing the connector. Run an ethernet cable from your Pi to your ...

A key building block in quantum information technology is single-photon sources which, as the name suggests, can emit a single photon - spontaneously or ...

We first analyze this novel configuration via simulations and show that it is possible to achieve a coupling loss that is comparable to a conventional flat-cleaved splice.

Unlike your computer, it can only run one application (often called firmware or an embedded application). This application can be simple (just a few lines of code), or very complex, depending on what you ...

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