

These results illustrate the potential of the III-V/Si nano-ridge engineering concept for the monolithic integration of laser diodes in a Si photonics platform, enabling future cost-sensitive...

Whether it is diodes for extremely high reliability applications such as LiDAR pumping or high-power pump modules for industrial and security applications, or customized laser diodes for scientific ...

The newly installed technology, called a high-powered laser diode system, will be used in a high-energy laser amplifier system at the Extreme Photonics and Applications Centre (EPAC), part ...

The paper presents a new generation of 1550 nm pulsed laser diodes (PLDs), engineered to deliver substantially higher peak power, improved slope efficiency, and reduced far-field ...

We have now started mass production of an industry-leading indigo semiconductor laser with an optical output power of 1.7 W at a wavelength of 420 nm, close to the g-line of the mercury lamps. This new ...

The new 793nm chip complements the broad portfolio that Coherent offers, including fiber-coupled diode laser modules, Thulium-doped fibers and optics, contributing to a complete, ...

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Whether for large-scale projections or intricate laser displays, this blue laser diode delivers exceptional results, enhancing visual experiences across multiple platforms. In addition to projection, blue lasers ...

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Artist's rendering of a diode laser module with beam shaping for pumping plate stack amplifiers in high-energy lasers. Such diode laser pump modules are considered a key component ...

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