

High performance generic building blocks will be reviewed such as 10dBm sources by III-V/Si heterogeneous integration, 40G Si modulators, and 100GHz Ge detectors. Different scenarios for ...

We chart the generational trends in silicon photonics technology, drawing parallels from the generational definitions of CMOS technology.

This review article focuses on the trends and opportunities in Silicon Photonics for networking applications and highlights some of the challenges that the industry is working collectively for making ...

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Key topics include the design, fabrication, and characterization of silicon-based waveguides, modulators, detectors, and light sources, which are essential for developing high-speed optical interconnects and ...

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