Hybrid Si-on-chip Lasers with Nano Structures
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Hybrid grating reflectors: Origin of ultrabroad stopband
Research output: Research - peer-review › Journal article – Annual report year: 2016

Hybrid III-V on Si grating as a broadband reflector and a high-Q resonator
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Hybrid III-V/SOI resonant cavity enhanced photodetector
Research output: Research - peer-review › Journal article – Annual report year: 2016

Hybrid III-V/SOI Resonant Cavity Photodetector
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Ultrabroadband Hybrid III-V/SOI Grating Reflector for On-chip Lasers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Ultrahigh-speed Si-integrated on-chip laser with tailored dynamic characteristics
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Vertical-cavity laser with a novel grating mirror

Hybrid III-V/SOI single-mode vertical-cavity laser with in-plane emission into a silicon waveguide
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Hybrid vertical-cavity laser with lateral emission into a silicon waveguide
Research output: Research - peer-review › Journal article – Annual report year: 2015

III-V/SOI vertical cavity laser structure for 120 Gbit/s speed
III-V/SOI vertical cavity laser with in-plane output into a Si waveguide
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Polarization-Independent Wideband High-Index-Contrast Grating Mirror
Research output: Research - peer-review › Journal article – Annual report year: 2015

Hybrid grating reflector with high reflectivity and broad bandwidth
Research output: Research - peer-review › Journal article – Annual report year: 2014

Hybrid III-V-on-Si Vertical Cavity laser for Optical Interconnects
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Ultrahigh-speed hybrid laser for silicon photonic integrated chips
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Projects:

Vertical-cavity laser with a novel grating mirror
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Institut stipendie (DTU) Samf.
15/02/2013 → 15/06/2016
Project: PhD