Research outputs:

Cavity-waveguide interplay in optical resonators and its role in optimal single-photon sources
Research output: Research - peer-review › Journal article – Annual report year: 2018

All-optical mapping of the position of single quantum dots embedded in a nanowire antenna
Research output: Research - peer-review › Journal article – Annual report year: 2018

Engineering of nanophotonic structures for quantum information applications.
Østerkryger, A. D. 2018 DTU - Department of Photonics Engineering. 198 p.
Research output: Research › Ph.D. thesis – Annual report year: 2018

Fundamental cavity-waveguide interplay in cavity QED
Research output: Research - peer-review › Paper – Annual report year: 2018

Determination of radial quantum dot position in trumpet nanowires from far field measurements
Research output: Research › Poster – Annual report year: 2017

Optical localization of quantum dots in tapered nanowires
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Efficient formalism for treating tapered structures using the Fourier modal method
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Spectral symmetry of Fano resonances in a waveguide coupled to a microcavity
Investigations on the parity of Fano resonances in photonic crystals

Projects:

Single photon sources for quantum information applications
Østerkryger, A. D., Gregersen, N., Mørk, J., Lavrinenko, A., Burger, S. & Kristensen, P. T.
Samfinansieret - Andet
15/03/2015 → 05/09/2018
Project: PhD

Activities:

CLEO®/Europe-EQEC 2017
Østerkryger, A. D. (Speaker)
25 Jun 2017 → 29 Jun 2017
Activity: Talks and presentations › Conference presentations

Modelling open nanophotonic structures using the Fourier modal method in infinite domains
Østerkryger, A. D. (Speaker)
5 Apr 2017
Activity: Talks and presentations › Conference presentations

SPIE Photonics Europe 2016
Østerkryger, A. D. (Participant)
3 Apr 2016 → 7 Apr 2016
Activity: Attending an event › Participating in or organising a conference

CLEO/Europe-EQEC Conference
Østerkryger, A. D. (Participant)
Activity: Attending an event › Participating in or organising a conference

Summer School on Quantum and Nonlinear Optics 2015
Østerkryger, A. D. (Participant)
7 Jun 2015 → 13 Jun 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.