Research outputs:

**Multi-stage generation of extreme ultraviolet dispersive waves by tapering gas-filled hollow-core anti-resonant fibers**  
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Curvature and position of nested tubes in hollow-core anti-resonant fibers**  
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

**Generation of multiple VUV dispersive waves using a tapered gas-filled hollow-core anti-resonant fiber**  
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

**Multiple soliton compression stages in mid-IR gas-filled hollow-core fibers**  
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

**Soliton-plasma nonlinear dynamics in mid-IR gas-filled hollow-core fibers**  
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Soliton-plasma nonlinear dynamics in mid-IR gas-filled hollow-core fibers**  
Research output: Communication › Comment/debate – Annual report year: 2018

**Toward single-mode UV to near-IR guidance using hollow-core anti-resonant silica fiber**  
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

**Toward single-mode UV to near-IR guidance using hollow-core antiresonant silica fiber**  
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2018

**Ultrafast Mid-IR Nonlinear Optics in Gas-filled Hollow-core Photonic Crystal Fibers**  
Research output: Research › Ph.D. thesis – Annual report year: 2017

**A new photonic crystal fiber design on the high negative ultra-flattened dispersion for both X and Y polarization modes**  
Research output: Research - peer-review › Journal article – Annual report year: 2016

**Anisotropic anti-resonant elements gives broadband single-mode low-loss hollow-core fibers**  
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

**A Novel Low-Loss Diamond-Core Porous Fiber for Polarization Maintaining Terahertz Transmission**  
Research output: Research - peer-review › Journal article – Annual report year: 2016

**A Novel Low Loss, Highly Birefringent Photonic Crystal Fiber in THz Regime**  
Research output: Research - peer-review › Journal article – Annual report year: 2016

**Antiresonant hollow core fiber with seven nested capillaries**  
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

**Low-Loss Hollow-Core Anti-Resonant Fibers With Semi-Circular Nested Tubes**  
Research output: Research - peer-review › Journal article – Annual report year: 2016
Low loss mid-IR transmission bands using silica hollow-core anisotropic anti-resonant fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Low-loss single-mode hollow-core fiber with anisotropic anti-resonant elements
Research output: Research - peer-review › Journal article – Annual report year: 2016

Novel porous fiber based on dual-asymmetry for low-loss polarization maintaining THz wave guidance
Research output: Research - peer-review › Journal article – Annual report year: 2016

A Novel Highly Birefringent Photonic Crystal Fiber for THz Wave Guidance
Research output: Research - peer-review › Paper – Annual report year: 2015

Extremely High-Birefringent Asymmetric Slotted-Core Photonic Crystal Fiber in THz Regime
Research output: Research - peer-review › Journal article – Annual report year: 2015

Extremely low-loss single-mode photonic crystal fiber in the terahertz regime
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Extremely Low Loss THz Guidance Using Kagome Lattice Porous Core Photonic Crystal Fiber
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Highly birefringent photonic crystal fiber with ultra-flattened negative dispersion over S + C + L + U bands
Research output: Research - peer-review › Journal article – Annual report year: 2015

Improved Low-loss Hollow Core Anti-Resonant Silica Mid-IR Fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Low Loss Double-clad Hollow Core Anti-Resonant Fibers in the Mid-IR
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Low-loss hollow-core silica fibers with adjacent nested anti-resonant tubes
Research output: Research - peer-review › Journal article – Annual report year: 2015

Low-loss rotated porous core hexagonal single-mode fiber in THz regime
Research output: Research - peer-review › Journal article – Annual report year: 2015

Low Loss Single-Mode Porous-Core Kagome Photonic Crystal Fiber for THz Wave Guidance
Research output: Research - peer-review › Journal article – Annual report year: 2015

Projects:

Ultrafast mid-IR nonlinear optics in gas-filled hollow-core photonic crystal fibers
Project: PhD

Ultrafast mid-IR nonlinear optics in gas-filled hollow-core photonic crystal fibers
Project: Research

Activities:

CREOL, The College of Optics and Photonics
Activity: Visiting an external institution › Visiting another research institution