Research outputs:

Role of the Raman gain in the noise dynamics of all-normal dispersion silica fiber supercontinuum generation
Gonzalo, I. B. & Bang, O. 1 Sep 2018 In : Journal of the Optical Society of America B: Optical Physics. 35, 9, p. 2102-2110
Research output: Research - peer-review › Journal article – Annual report year: 2018

High Pulse Energy Supercontinuum Laser for Photothermal Detection and Identification of Lipids in the 1650-1850 nm Wavelength Region
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Polarization noise places severe constraints on coherence of all-normal dispersion femtosecond supercontinuum generation
Bravo Gonzalo, I., Engelsholm, R. D., Sørensen, M. P. & Bang, O. 2018 In : Scientific Reports. 8, 13 p., 6579
Research output: Research - peer-review › Journal article – Annual report year: 2018

Supercontinuum applications in high resolution non invasive optical imaging
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Ultra-low noise supercontinuum source for ultra-high resolution optical coherence tomography at 1300 nm
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

A comparative study of noise in supercontinuum light sources for ultra-high resolution optical coherence tomography
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Noise study of all-normal dispersion supercontinuum sources for potential application in optical coherence tomography
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Q-switch-pumped supercontinuum for ultra-high resolution optical coherence tomography
Research output: Research - peer-review › Journal article – Annual report year: 2017
Projects:

Low noise femtosecond supercontinuum sources
Grundforskningsfonden
01/09/2015 → 31/08/2018
Project: PhD

Activities:

Polarization noise study in all-normal dispersion fiber supercontinuum generation
Bravo Gonzalo, I. (Speaker), Engelsholm, R. D. (Other), Mieritz, A. F. (Other), Sørensen, M. P. (Other), Bang, O. (Other)
29 Jan 2018
Activity: Talks and presentations › Conference presentations

Ultra-low noise supercontinuum source for ultra-high resolution optical coherence tomography at 1300 nm
Bravo Gonzalo, I. (Speaker), Maria, M. (Other), Engelsholm, R. D. (Other), Thomas Feuchter (Other), Lasse Leick (Other), Peter Morten Moselund (Other), Adrian Podoleanu (Other), Bang, O. (Other)
28 Jan 2018
Activity: Talks and presentations › Conference presentations

Noise study of all-normal dispersion supercontinuum sources for potential application in optical coherence tomography
Bravo Gonzalo, I. (Speaker), Engelsholm, R. D. (Other), Bang, O. (Other)
6 Sep 2017 → 9 Sep 2017
Activity: Talks and presentations › Conference presentations