

Publication List

2017 – Resonant Optical Trapping in Microfluidic-Integrated Hollow Photonic Crystal Cavities

R Therisod, M Tonin, R Houdré
Nano-Optics: Principles Enabling Basic Research and Applications, 561-561

2016 – Thermal fluctuation analysis of singly optically trapped spheres in hollow photonic crystal cavities

M Tonin, FM Mor, L Forró, S Jeney, R Houdré
Applied Physics Letters, 109 (24), 241107

2016 – Hybrid PDMS/glass microfluidics for high resolution imaging and application to sub-wavelength particle trapping

M Tonin, N Descharmes, R Houdré
Lab on a chip, 16 (3), 465-470

2014 – High-Q silicon photonic crystal cavity for enhanced optical nonlinearities

UP Dharanipathy, M Minkov, M Tonin, V Savona, R Houdré
Applied Physics Letters, 105 (10), 101101

2013 – Observation of backaction and self-induced trapping in a planar hollow photonic crystal cavity

N Descharmes, UP Dharanipathy, Z Diao, M Tonin, R Houdré
Physical Review Letters, 110 (12), 123601

2013 – Single particle detection, manipulation and analysis with resonant optical trapping in photonic crystals

N Descharmes, UP Dharanipathy, Z Diao, M Tonin, R Houdré
Lab on a Chip, 13 (16), 3268-3274

2012 – Frequency conversion from IR to UV of high peak power ultrafast fiber amplifier

Y Zaouter, M Hanna, F Morin, M Tonin, R Maleck, C Hönninger, P Georges, E Mottay
Fiber Laser Application, FTh5A. 2

2010 – Electrophoretic mobility of a growing cell studied by photonic force microscope

M Tonin, S Bálint, P Mestres, IA Martínez, D Petrov
Applied Physics Letter, 97 (20), 203704