FrÃ©dÃ©ric Peyskens

List of Publications by Year
in descending order

Version: 2024-02-01

17	670	1040056 9	1281871 11
papers	citations	h-index	g-index

17	17	17	796
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Waveguide excitation and collection of surface-enhanced Raman scattering from a single plasmonic antenna. Nanophotonics, 2018, 7, 1299-1306.	6.0	22
2	Quantum photonics model for nonclassical light generation using integrated nanoplasmonic cavity-emitter systems. Physical Review A, 2018, 97, .	2.5	8
3	Impact of fundamental thermodynamic fluctuations on light propagating in photonic waveguides made of amorphous materials. Optica, 2018, 5, 328.	9.3	30
4	Integrated nanoplasmonic quantum interfaces for room-temperature single-photon sources. Physical Review B, 2017, 96, .	3.2	8
5	Microscope-less lab-on-a-chip Raman spectroscopy of cell-membranes. , 2016, , .		1
6	Single mode waveguide platform for spontaneous and surface-enhanced on-chip Raman spectroscopy. Interface Focus, 2016, 6, 20160015.	3.0	30
7	Nanophotonic Waveguide Enhanced Raman Spectroscopy of Biological Submonolayers. ACS Photonics, 2016, 3, 2141-2149.	6.6	70
8	Surface Enhanced Raman Spectroscopy Using a Single Mode Nanophotonic-Plasmonic Platform. ACS Photonics, 2016, 3, 102-108.	6.6	95
9	Lab-on-a-chip Raman sensors outperforming Raman microscopes. , 2016, , .		2
10	Silicon and silicon nitride photonic circuits for spectroscopic sensing on-a-chip [Invited]. Photonics Research, 2015, 3, B47.	7.0	173
11	Efficiency of evanescent excitation and collection of spontaneous Raman scattering near high index contrast channel waveguides. Optics Express, 2015, 23, 27391.	3.4	54
12	Coherent anti-Stokes Raman spectroscopy on chip. , 2015, , .		1
13	Nanophotonic lab-on-a-chip Raman sensors: A sensitivity comparison with confocal Raman microscope. , 2015, , .		3
14	Bright and dark plasmon resonances of nanoplasmonic antennas evanescently coupled with a silicon nitride waveguide. Optics Express, 2015, 23, 3088.	3.4	54
15	Enhanced Spontaneous Raman Signal Collected Evanescently by Silicon Nitride Slot Waveguides. , 2015, , .		2
16	Evanescent excitation and collection of spontaneous Raman spectra using silicon nitride nanophotonic waveguides. Optics Letters, 2014, 39, 4025.	3.3	117
17	Resonant enhancement mechanisms in lab-on-chip Raman spectroscopy on a silicon nitride waveguide platform. , 2014, , .		0