Frédéric Peyskens

List of Publications by Year in descending order

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