Elena DurÃ¡n-Valdeiglesias

List of Publications by Year
in descending order

13 papers	215 citations	933447 10 h-index	1199594 12 g-index
13 all docs	13 docs citations	13 times ranked	275 citing authors

#	Article	IF	Citations
1	Integration of Semiconducting Carbon Nanotubes Within a Silicon Photonic Molecule. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	3
2	Ultra-wideband dual-polarization silicon nitride power splitter based on modal engineered slot waveguides. Optics Letters, 2020, 45, 527.	3.3	6
3	Polarization- and wavelength-agnostic nanophotonic beam splitter. Scientific Reports, 2019, 9, 3604.	3.3	25
4	Diffraction-less propagation beyond the sub-wavelength regime: a new type of nanophotonic waveguide. Scientific Reports, 2019, 9, 5347.	3.3	10
5	Dual-polarization silicon nitride Bragg filters with low thermal sensitivity. Optics Letters, 2019, 44, 4578.	3.3	11
6	Generating Fano Resonances in a Single-Waveguide Silicon Nanobeam Cavity for Efficient Electro-Optical Modulation. ACS Photonics, 2018, 5, 4229-4237.	6.6	20
7	Broadband Polarization Beam Splitter on a Silicon Nitride Platform for O-Band Operation. IEEE Photonics Technology Letters, 2018, 30, 1679-1682.	2.5	28
8	Tailoring carbon nanotubes optical properties through chirality-wise silicon ring resonators. Scientific Reports, 2018, 8, 11252.	3.3	13
9	Polarizationâ€Sensitive Singleâ€Wall Carbon Nanotubes Allâ€inâ€One Photodetecting and Emitting Device Working at 1.55 Âµm. Advanced Functional Materials, 2017, 27, 1702341.	14.9	17
10	Efficient excitation of silicon photonic cavity modes from carbon nanotube photoluminescence. , 2017, , .		1
11	Narrow-linewidth carbon nanotube emission in silicon hollow-core photonic crystal cavity. Optics Letters, 2017, 42, 2228.	3.3	11
12	Integration of Carbon Nanotubes in Silicon Strip and Slot Waveguide Micro-Ring Resonators. IEEE Nanotechnology Magazine, 2016, 15, 583-589.	2.0	10
13	Controlling leakage losses in subwavelength grating silicon metamaterial waveguides. Optics Letters, 2016, 41, 3443.	3.3	60