

# Elena DurÃ¡n-Valdeiglesias

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10606310/publications.pdf>

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13  
papers

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1199594

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docs citations

13  
times ranked

275  
citing authors

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