Angelo Bozzola

List of Publications by Year
in descending order

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20 papers	857 citations	623734 14 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	1308 citing authors

#	Article	IF	Citations
1	Silicon solar cells: toward the efficiency limits. Advances in Physics: X, 2019, 4, 1548305.	4.1	188
2	Photonic light-trapping versus Lambertian limits in thin film silicon solar cells with 1D and 2D periodic patterns. Optics Express, 2012, 20, A224.	3.4	154
3	Optimising apodized grating couplers in a pure SOI platform to â˜05 dB coupling efficiency. Optics Express, 2015, 23, 16289.	3.4	92
4	Hybrid plasmonicâ€“photonic whispering gallery mode resonators for sensing: a critical review. Analyst, The, 2017, 142, 883-898.	3.5	69
5	Broadband light trapping with disordered photonic structures in thinâ€film silicon solar cells. Progress in Photovoltaics: Research and Applications, 2014, 22, 1237-1245.	8.1	57
6	How to assess light trapping structures versus a Lambertian Scatterer for solar cells?. Optics Express, 2014, 22, A542.	3.4	44
7	Dynamics of Strong Coupling between Jâ€Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays. Advanced Functional Materials, 2016, 26, 6198-6205.	14.9	40
8	The role of Rabi splitting tuning in the dynamics of strongly coupled J-aggregates and surface plasmon polaritons in nanohole arrays. Nanoscale, 2016, 8, 13445-13453.	5.6	40
9	Scanning Probe Photonic Nanojet Lithography. ACS Applied Materials & Interfaces, 2017, 9, 32386-32393.	8.0	36
10	Photonic light trapping and electrical transport in thin-film silicon solar cells. Solar Energy Materials and Solar Cells, 2015, 135, 78-92.	6.2	33
11	Fractal-Like Plasmonic Metamaterial with a Tailorable Plasma Frequency in the near-Infrared. ACS Photonics, 2018, 5, 3408-3414.	6.6	32
12	Light trapping and electrical transport in thin-film solar cells with randomly rough textures. Journal of Applied Physics, 2014, 115, .	2.5	18
13	A Multiâ€optical Collector of Sunlight Employing Luminescent Materials and Photonic Nanostructures. Advanced Optical Materials, 2016, 4, 147-155.	7.3	14
14	Plasmon Hybridization in Compressible Metalâ€“Insulatorâ€“Metal Nanocavities: An Optical Approach for Sensing Deep Subâ€Wavelength Deformation. Advanced Optical Materials, 2020, 8, 2000609.	7.3	14
15	Cooperative Energy Transfer Controls the Spontaneous Emission Rate Beyond Field Enhancement Limits. Physical Review Letters, 2019, 122, 203901.	7.8	12
16	Silicon solar cells reaching the efficiency limits: from simple to complex modelling. Journal of Optics (United Kingdom), 2016, 18, 054001.	2.2	10
17	Light trapping in thin film solar cells with sub-wavelength photonic crystal patterns. , 2012, , .		1
18	Strong Coupling: Dynamics of Strong Coupling between J-Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays (Adv. Funct. Mater. 34/2016). Advanced Functional Materials, 2016, 26, 6197-6197.	14.9	1

#	Article	IF	Citations
19	Optimizing grating couplers for silicon photonics. , 2016, , .		1
20	Efficiency enhancement via metal-coated porous amorphous silicon back reflectors incorporated in amorphous silicon solar cells. MRS Communications, 2016, 6, 117-123.	1.8	1