

Angelo Bozzola

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

857
citations

623734

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839539

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20
all docs

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docs citations

20
times ranked

1308
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmon Hybridization in Compressible Metal-Insulator-Metal Nanocavities: An Optical Approach for Sensing Deep Sub-Wavelength Deformation. <i>Advanced Optical Materials</i> , 2020, 8, 2000609.	7.3	14
2	Cooperative Energy Transfer Controls the Spontaneous Emission Rate Beyond Field Enhancement Limits. <i>Physical Review Letters</i> , 2019, 122, 203901.	7.8	12
3	Silicon solar cells: toward the efficiency limits. <i>Advances in Physics: X</i> , 2019, 4, 1548305.	4.1	188
4	Fractal-Like Plasmonic Metamaterial with a Tailorable Plasma Frequency in the near-Infrared. <i>ACS Photonics</i> , 2018, 5, 3408-3414.	6.6	32
5	Hybrid plasmonic-photonic whispering gallery mode resonators for sensing: a critical review. <i>Analyst, The</i> , 2017, 142, 883-898.	3.5	69
6	Scanning Probe Photonic Nanojet Lithography. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32386-32393.	8.0	36
7	Dynamics of Strong Coupling between J-Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays. <i>Advanced Functional Materials</i> , 2016, 26, 6198-6205.	14.9	40
8	Strong Coupling: Dynamics of Strong Coupling between J-Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays (<i>Adv. Funct. Mater.</i> 34/2016). <i>Advanced Functional Materials</i> , 2016, 26, 6197-6197.	14.9	1
9	Optimizing grating couplers for silicon photonics. , 2016, , .		1
10	A Multi-Optical Collector of Sunlight Employing Luminescent Materials and Photonic Nanostructures. <i>Advanced Optical Materials</i> , 2016, 4, 147-155.	7.3	14
11	Efficiency enhancement via metal-coated porous amorphous silicon back reflectors incorporated in amorphous silicon solar cells. <i>MRS Communications</i> , 2016, 6, 117-123.	1.8	1
12	The role of Rabi splitting tuning in the dynamics of strongly coupled J-aggregates and surface plasmon polaritons in nanohole arrays. <i>Nanoscale</i> , 2016, 8, 13445-13453.	5.6	40
13	Silicon solar cells reaching the efficiency limits: from simple to complex modelling. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 054001.	2.2	10
14	Optimising apodized grating couplers in a pure SOI platform to ~ 05 dB coupling efficiency. <i>Optics Express</i> , 2015, 23, 16289.	3.4	92
15	Photonic light trapping and electrical transport in thin-film silicon solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2015, 135, 78-92.	6.2	33
16	Broadband light trapping with disordered photonic structures in thin-film silicon solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2014, 22, 1237-1245.	8.1	57
17	Light trapping and electrical transport in thin-film solar cells with randomly rough textures. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	18
18	How to assess light trapping structures versus a Lambertian Scatterer for solar cells?. <i>Optics Express</i> , 2014, 22, A542.	3.4	44

#	ARTICLE	IF	CITATIONS
19	Light trapping in thin film solar cells with sub-wavelength photonic crystal patterns. , 2012, , .		1
20	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