Stefano Boscolo Nale

List of Publications by Year
in descending order

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42	710	623574	552653
papers	citations	14 h-index	26 g-index

42	42	42	749
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coupling and decoupling of electromagnetic waves in parallel 2D photonic crystal waveguides. IEEE Journal of Quantum Electronics, 2002, 38, 47-53.	1.0	154
2	Grapheneâ€“assisted criticallyâ€“coupled optical ring modulator. Optics Express, 2012, 20, 23144.	1.7	64
3	Numerical analysis of propagation and impedance matching in 2D photonic crystal waveguides with finite length. Journal of Lightwave Technology, 2002, 20, 304-310.	2.7	53
4	A Compact MIMO Array of Planar End-Fire Antennas for WLAN Applications. IEEE Transactions on Antennas and Propagation, 2011, 59, 3462-3465.	3.1	46
5	Modeling of enhanced field confinement and scattering by optical wire antennas. Optics Express, 2009, 17, 16792.	1.7	34
6	Three-Dimensional Multiple-Scattering Technique for the Analysis of Photonic-Crystal Slabs. Journal of Lightwave Technology, 2004, 22, 2778-2786.	2.7	28
7	Graphene sustained nonlinear modes in dielectric waveguides. Optics Letters, 2013, 38, 631.	1.7	28
8	Compact quasiâ€Yagi antenna with folded dipole fed by tapered integrated balun. Electronics Letters, 2016, 52, 789-790.	0.5	28
9	Elimination of Scan Blindness in Phased Array Antennas Using a Grounded-Dielectric EBG Material. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 106-109.	2.4	26
10	Graphene-assisted control of coupling between optical waveguides. Optics Express, 2012, 20, 28479.	1.7	25
11	A Planar, Differential, and Directive Ultrawideband Antenna. IEEE Transactions on Antennas and Propagation, 2010, 58, 2439-2442.	3.1	22
12	Beamâ€forming capabilities of a plasma circular reflector antenna. IET Microwaves, Antennas and Propagation, 2018, 12, 2301-2306.	0.7	21
13	Planar, Compact Dual-Band Antenna for Wireless LAN Applications. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1234-1237.	2.4	17
14	Method for characterization of Si waveguide propagation loss. Optics Express, 2013, 21, 5391.	1.7	17
15	Highly Directional Planar Ultra Wide Band Antenna for Radar Applications. , 2007, , .		14
16	Flared Monopole Antennas for 10-$mu{m m}$ Radiation. IEEE Journal of Quantum Electronics, 2011, 47, 84-91.	1.0	14
17	Experimental Characterization of a Plasma Dipole in the UHF Band. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1621-1625.	2.4	13
18	Frequency addressing of nano-objects by electrical tuning of optical antennas. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 997.	0.9	12

#	Article	IF	Citations
19	Increasing directionality of planar ultraâ€wideband antennas. Microwave and Optical Technology Letters, 2010, 52, 78-82.	0.9	11
20	Solitons in fibers with polarization-mode dispersion: an alternative derivation of the dynamical equations. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 1.	0.9	9
21	Design Optimization of Waveguide Bends in Photonic Crystals. IEEE Transactions on Magnetics, 2009, 45, 1630-1633.	1.2	9
22	Electronically reconfigurable parasitic antenna array for pattern selectivity. Journal of Engineering, 2019, 2019, 1-5.	0.6	8
23	Novel ultraâ€wideband bowâ€tie antenna with high frontâ€toâ€back ratio and directivity. Microwave and Optical Technology Letters, 2010, 52, 1016-1020.	0.9	7
24	Superprism Behaviour of an Array of Photonic Crystal Waveguides. Optical and Quantum Electronics, 2004, 36, 459-468.	1.5	5
25	A Novel UWB Bow-Tie Antenna Design with High F/B Ratio and Directivity. , 2008, , .		5
26	Graphene-based electro-optical control of the beat length of dielectric couplers. Optics Communications, 2014, 318, 175-179.	1.0	5
27	Highâ€gain printed monopole arrays with lowâ€complexity corporateâ€feed network. IET Microwaves, Antennas and Propagation, 2017, 11, 1616-1621.	0.7	5
28	Nanoscale Control of the Radiation Properties of Coupled Nanoantennas. IEEE Photonics Technology Letters, 2011, 23, 1541-1543.	1.3	4
29	Low-profile CRLH omnidirectional loop antenna for mobile wireless communications. , 2012, , .		4
30	Design of fully printed omnidirectional CRLH loop antennas for WLAN technology. Microwave and Optical Technology Letters, 2014, 56, 1405-1408.	0.9	4
31	Compact Printed Parasitic Arrays for WLAN Applications. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 918-921.	2.4	4
32	Broadband Printed Directional Bowâ€Tie Antenna for the 500â€“1600â€MHz Band. Microwave and Optical Technology Letters, 2013, 55, 2329-2333.	0.9	3
33	Finite-Difference Beam Propagation Method for Graphene-Based Devices. IEEE Photonics Technology Letters, 2014, 26, 1007-1010.	1.3	3
34	A fast algorithm for the simulation of propagation in large-area 2-D photonic crystal devices. Journal of Lightwave Technology, 2002, 20, 1869-1875.	2.7	2
35	Audio quality level vs. signal-to-interference ratio in isofrequency FM broadcasting. Annales Des Telecommunications/Annals of Telecommunications, 2021, 76, 801-811.	1.6	2
36	Directional couplers and de-couplers in photonic crystal waveguides: simulations and theory. , 0, , .		1

#	Article	IF	Citations
37	A geometric approach for wave propagation in 2-D photonic crystals in the frequency domain. IEEE Transactions on Magnetics, 2006, 42, 827-830.	1.2	1
38	Highly directional planar Ultra Wide Band antenna for radar applications. , 2007, , .		1
39	Microstrip-fed quasi-Yagi antennas for WLAN applications. , 2014, , .		1
40	Modelling of photonic crystal devices. , 0, , .		0
41	Differential Ultra Wide Band Antenna for Single-Chip Radar Transceivers. , 2008, , .		0
42	Microstrip-fed quasi-Yagi antennas for WLAN applications. , 2014, , .		0