

Javier Marti

List of Publications by Year in descending order

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61
papers

1,701
citations

304743

22
h-index

289244

40
g-index

61
all docs

61
docs citations

61
times ranked

1667
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterisation of on-chip wireless interconnects based on silicon nanoantennas via near-field scanning optical microscopy. IET Optoelectronics, 2019, 13, 72-76.	3.3	7
2	All-Silicon On-Chip Optical Nanoantennas as Efficient Interfaces for Plasmonic Devices. ACS Photonics, 2019, 6, 1094-1099.	6.6	14
3	High signal-to-noise ratio ultra-compact lab-on-a-chip microflow cytometer enabled by silicon optical antennas. Optics Express, 2018, 26, 25645.	3.4	3
4	Coherent Control of a Plasmonic Nanoantenna Integrated on a Silicon Chip. ACS Photonics, 2018, 5, 2712-2717.	6.6	18
5	On-chip wireless silicon photonics: from reconfigurable interconnects to lab-on-chip devices. Light: Science and Applications, 2017, 6, e17053-e17053.	16.6	71
6	Group delay and dispersion tailoring in nonadiabatic tapered fibers. Optical Fiber Technology, 2016, 31, 130-133.	2.7	1
7	Low-cost refractive index and strain sensor based on tapered fibers. Optics Communications, 2016, 361, 99-103.	2.1	7
8	Nonlinear effects generation in non-adiabatically tapered fibres. Optical Fiber Technology, 2015, 26, 172-175.	2.7	0
9	Biconical Tapered Fibers Manipulation for Refractive Index and Strain Sensing Applications. IEEE Sensors Journal, 2015, 15, 1331-1335.	4.7	10
10	Curvature investigation in tapered fibers and its application to sensing and mode conversion. Optics and Lasers in Engineering, 2015, 74, 109-113.	3.8	7
11	Polarization synthesis and sorting with an integrated silicon nanoantenna. , 2014, , .		0
12	Sorting linearly polarized photons with a single scatterer. Optics Letters, 2014, 39, 1394.	3.3	31
13	Fabrication of modulators and 2 \times 2 switches in SOI based on the carrier depletion mechanism for optical interconnects. , 2014, , .		0
14	Universal method for the synthesis of arbitrary polarization states radiated by a nanoantenna. Laser and Photonics Reviews, 2014, 8, L27.	8.7	37
15	Optical Phase Characterization of Photonic Integrated Devices. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 417-421.	2.9	5
16	High order standing-wave plasmon resonances in silver u-shaped nanowires. Journal of Applied Physics, 2012, 112, 103104.	2.5	4
17	Slow-Light-Enhanced Silicon Optical Modulators Under Low-Drive-Voltage Operation. IEEE Photonics Journal, 2012, 4, 1306-1315.	2.0	27
18	High-Capacity 60 GHz and 75-110 GHz Band Links Employing All-Optical OFDM Generation and Digital Coherent Detection. Journal of Lightwave Technology, 2012, 30, 147-155.	4.6	76

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19	Reconfigurable Multiwavelength Source Based on Electrooptic Phase Modulation of a Pulsed Laser. IEEE Photonics Technology Letters, 2011, 23, 1175-1177.	2.5	6
20	Spectral self-imaging effect by time-domain multilevel phase modulation of a periodic pulse train. Optics Letters, 2011, 36, 858.	3.3	38
21	High-Capacity Wireless Signal Generation and Demodulation in 75- to 110-GHz Band Employing All-Optical OFDM. IEEE Photonics Technology Letters, 2011, 23, 810-812.	2.5	152
22	High frequency microwave signal generation using dual-wavelength emission of cascaded DFB fiber lasers with wavelength spacing tunability. Optics Communications, 2010, 283, 5165-5168.	2.1	7
23	FWM in silicon nanocrystal-based sandwiched slot waveguides. Optics Communications, 2010, 283, 435-437.	2.1	24
24	Single Bandpass Photonic Microwave Filter Based on a Notch Ring Resonator. IEEE Photonics Technology Letters, 2010, 22, 1276-1278.	2.5	112
25	Tunable Photonic Microwave Filter With Single Bandpass Based on a Phase-Shifted Fiber Bragg Grating. IEEE Photonics Technology Letters, 2010, 22, 1467-1469.	2.5	23
26	Ultrafast All-Optical Switching in a Silicon-Nanocrystal-Based Silicon Slot Waveguide at Telecom Wavelengths. Nano Letters, 2010, 10, 1506-1511.	9.1	218
27	Tailoring the dispersion behavior of silicon nanophotonic slot waveguides. Optics Express, 2010, 18, 20839.	3.4	42
28	Group-index engineering in silicon corrugated waveguides. Optics Letters, 2010, 35, 2708.	3.3	31
29	Dual-Wavelength DFB Erbium-Doped Fiber Laser With Tunable Wavelength Spacing. IEEE Photonics Technology Letters, 2010, 22, 254-256.	2.5	55
30	Modeling high-order plasmon resonances of a U-shaped nanowire used to build a negative-index metamaterial. Physical Review B, 2009, 79, .	3.2	13
31	Dynamic spectral line-by-line pulse shaping by frequency comb shifting. Optics Letters, 2009, 34, 2084.	3.3	7
32	Monitoring the Quality of Signal in Packet-Switched Networks Using Optical Correlators. Journal of Lightwave Technology, 2009, 27, 5417-5425.	4.6	3
33	60 GHz radio-over-fiber technologies for broadband wireless services [Invited]. Journal of Optical Networking, 2009, 8, 471.	2.5	97
34	Study of asymmetric silicon cross-slot waveguides for polarization diversity schemes. Applied Optics, 2009, 48, 2693.	2.1	36
35	Experimental Comparison of Transmission Performance of Multichannel OFDM-UWB Signals on FTTH Networks. Journal of Lightwave Technology, 2009, 27, 1408-1414.	4.6	2
36	Joint Distribution of Polarization-Multiplexed UWB and WiMAX Radio in PON. Journal of Lightwave Technology, 2009, 27, 1912-1919.	4.6	16

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37	Combined Analysis of OFDM-UWB Transmission in Hybrid Wireless-Optical Access Networks. IEEE Photonics Technology Letters, 2009, 21, 1378-1380.	2.5	6
38	Microwave photonics and radio-over-fiber research. IEEE Microwave Magazine, 2009, 10, 96-105.	0.8	22
39	The influence of the ASE noise on the cascadability of active Mach-Zehnder interferometer switches. Microwave and Optical Technology Letters, 2008, 50, 2629-2631.	1.4	0
40	Ten gigabits per second 16-level quadrature amplitude modulated millimeter-wave carrier generation using dual-drive Mach-Zehnder modulators incorporated photonic-vector modulator. Optics Letters, 2008, 33, 1833.	3.3	20
41	Performance Analysis of Photonic Vector Modulation Techniques for Multi-Gb/s Wireless Links. Journal of Lightwave Technology, 2008, 26, 2684-2691.	4.6	4
42	All-optical decrementing of a packet's time-to-live (TTL) field using logic XOR gates. Optics Express, 2008, 16, 19734.	3.4	6
43	Optically Beamformed Wideband Array Performance. IEEE Transactions on Antennas and Propagation, 2008, 56, 1594-1604.	5.1	25
44	Experimental observation of intermodal dispersion in photonic crystal directional couplers. Journal of Applied Physics, 2008, 104, 123107.	2.5	3
45	Full-Duplex DOCSIS/WirelessDOCSIS Fiber-Radio Network Employing Packaged AFPMs as Optical/Electrical Transducers. Journal of Lightwave Technology, 2007, 25, 673-684.	4.6	10
46	Design of Silicon-Based Slot Waveguide Configurations for Optimum Nonlinear Performance. Journal of Lightwave Technology, 2007, 25, 1298-1305.	4.6	115
47	Generation of Multi-Gigabit-per-Second MQAM/MPSK-Modulated Millimeter-Wave Carriers Employing Photonic Vector Modulator Techniques. Journal of Lightwave Technology, 2007, 25, 3350-3357.	4.6	20
48	Simultaneous Base-band and mm-Wave Delivery of Gbps data Employing Photonic Vector Modulators. , 2007, , .		2
49	WDM Photonic Microwave Filter With Variable Cosine Windowing Based on a DGD Module. IEEE Photonics Technology Letters, 2006, 18, 2272-2274.	2.5	27
50	All-Optical Self-Routing Latching Switch Based on Active Mach-Zehnder Interferometer. IEEE Photonics Technology Letters, 2006, 18, 2475-2477.	2.5	2
51	Positive phase evolution of waves propagating along a photonic crystal with negative index of refraction. Optics Express, 2006, 14, 9805.	3.4	10
52	Optical Beamforming Network Based on Fiber-Optical Delay Lines and Spatial Light Modulators for Large Antenna Arrays. IEEE Photonics Technology Letters, 2006, 18, 2590-2592.	2.5	57
53	Generation of highly directional beam by k-space filtering using a metamaterial flat slab with a small negative index of refraction. Applied Physics Letters, 2006, 89, 131111.	3.3	18
54	Mach-Zehnder interferometers in photonic crystals. Optical and Quantum Electronics, 2005, 37, 77-93.	3.3	32

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55	Analysis of wave focusing inside a negative-index photonic-crystal slab. Optics Express, 2005, 13, 2858.	3.4	21
56	Analysis of wave propagation in a two-dimensional photonic crystal with negative index of refraction: plane wave decomposition of the Bloch modes. Optics Express, 2005, 13, 4160.	3.4	22
57	Compensating intermodal dispersion in photonic crystal directional couplers. Optics Letters, 2005, 30, 3156.	3.3	10
58	Photonic-crystal 180° power splitter based on coupled-cavity waveguides. Applied Physics Letters, 2003, 83, 3033-3035.	3.3	19
59	Mach-Zehnder interferometer employing coupled-resonator optical waveguides. Optics Letters, 2003, 28, 405.	3.3	50
60	Photonic Bandgap (PBG). , 0, , .		0
61	Radio-over-Fibre Networks for 4G. Advances in Wireless Technologies and Telecommunication Book Series, 0, , 268-291.	0.4	0