

# M A G Martinez

## List of Publications by Year in descending order

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25  
papers

844  
citations

1307594

7  
h-index

1199594

12  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1007  
citing authors

#	ARTICLE	IF	CITATIONS
1	Classical analog of electromagnetically induced transparency. American Journal of Physics, 2002, 70, 37-41.	0.7	547
2	Quantum interference effects in spontaneous atomic emission: Dependence of the resonance fluorescence spectrum on the phase of the driving field. Physical Review A, 1997, 55, 4483-4491.	2.5	119
3	An analytical model for the photodetection mechanisms in high-electron mobility transistors. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 2279-2287.	4.6	93
4	Experimental and theoretical analysis of an optical current sensor for high power systems. Photonic Sensors, 2013, 3, 26-34.	5.0	28
5	Stimulated Raman Scattering and its Applications in Optical Communications and Optical Sensors. The Open Optics Journal, 2009, 3, 1-11.	0.1	13
6	Long-Period Gratings Dynamic Interrogation With Modulated Fiber Bragg Gratings and Optical Amplification. IEEE Sensors Journal, 2012, 12, 179-183.	4.7	10
7	Novel optical current sensor for metering and protection in high power applications. Instrumentation Science and Technology, 2016, 44, 148-162.	1.8	9
8	Observation of periodic structures of atoms in a two-color magneto-optical trap. Physical Review A, 1999, 59, 3101-3104.	2.5	5
9	Rayleigh assisted Brillouin effects in distributed Raman amplifiers under saturated conditions at 40 Gb/s. Microwave and Optical Technology Letters, 2010, 52, 1331-1335.	1.4	5
10	Numerical simulations and experimental results of a hybrid EDFA-Raman amplifier. , 2009, , .		4
11	Fabrication of a spun elliptically birefringent photonic crystal fiber and its characterization as an electrical current sensor. , 2013, , .		4
12	Brillouin effects in distributed Raman amplifiers under saturated conditions. , 2009, , .		3
13	Numerical Routines for the Optimization of Pump Power and Wavelength in Distributed Raman Amplifiers. Fiber and Integrated Optics, 2006, 25, 347-361.	2.5	2
14	A study of the quantitative impact of pump-pump interaction in wide-band Raman amplifiers in the S, C and L bands. Proceedings of SPIE, 2010, , .	0.8	1
15	Analysis of Optical Erasure Efficiency in WDM-PONs Employing Carrier Remodulation. Fiber and Integrated Optics, 2018, 37, 205-218.	2.5	1
16	Simulation performance of ASE-XGM wavelength converter for spectrum-sliced WDM system. , 2003, 5248, 240.		0
17	Simulation performance of a Sagnac loop terahertz asymmetric optical demultiplexer for OTDM systems. , 2003, , .		0
18	Inclusion of depolarization effects in polarization-dependent loss statistics of a recirculating loop. , 2005, , .		0

#	ARTICLE	IF	CITATIONS
19	An approach to analyze quantitatively pump-pump interaction in Raman amplifiers. , 2009, , .		0
20	Experimental and Theoretical Study of Polarization Dependent Loss in a Optical Recirculation Loop. IEEE Latin America Transactions, 2011, 9, 759-765.	1.6	0
21	Brillouin effect characterization in all-Raman amplified 4 Å— 40 Gb/s WDM system. Microwave and Optical Technology Letters, 2012, 54, 1403-1407.	1.4	0
22	Development of an electrical current sensor prototype for applications in high-power lines. Proceedings of SPIE, 2013, , .	0.8	0
23	Fabrication and characterization of spun HiBi PCF fibers for current sensing applications. , 2014, , .		0
24	Enhancing the Sensitivity of SMS Fiber Sensors by the Use of High Refractive Index Coatings. Proceedings (mdpi), 2018, 2, .	0.2	0
25	Optimized Multimode Interference Fiber Based Refractometer in A Reflective Interrogation Scheme. Proceedings (mdpi), 2018, 2, .	0.2	0