

M A G Martinez

List of Publications by Year in descending order

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Version: 2024-02-01

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	Enhancing the Sensitivity of SMS Fiber Sensors by the Use of High Refractive Index Coatings. Proceedings (mdpi), 2018, 2, .	0.2	0
2	Optimized Multimode Interference Fiber Based Refractometer in A Reflective Interrogation Scheme. Proceedings (mdpi), 2018, 2, .	0.2	0
3	Analysis of Optical Erasure Efficiency in WDM-PONs Employing Carrier Remodulation. Fiber and Integrated Optics, 2018, 37, 205-218.	2.5	1
4	Novel optical current sensor for metering and protection in high power applications. Instrumentation Science and Technology, 2016, 44, 148-162.	1.8	9
5	Fabrication and characterization of spun HiBi PCF fibers for current sensing applications. , 2014, , .		0
6	Fabrication of a spun elliptically birefringent photonic crystal fiber and its characterization as an electrical current sensor. , 2013, , .		4
7	Experimental and theoretical analysis of an optical current sensor for high power systems. Photonic Sensors, 2013, 3, 26-34.	5.0	28
8	Development of an electrical current sensor prototype for applications in high-power lines. Proceedings of SPIE, 2013, , .	0.8	0
9	Long-Period Gratings Dynamic Interrogation With Modulated Fiber Bragg Gratings and Optical Amplification. IEEE Sensors Journal, 2012, 12, 179-183.	4.7	10
10	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
11	Experimental and Theoretical Study of Polarization Dependent Loss in a Optical Recirculation Loop. IEEE Latin America Transactions, 2011, 9, 759-765.	1.6	0
12	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
13	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
14	Numerical simulations and experimental results of a hybrid EDFA-Raman amplifier. , 2009, , .		4
15	Brillouin effects in distributed Raman amplifiers under saturated conditions. , 2009, , .		3
16	An approach to analyze quantitavily pump-pump interaction in Raman amplifiers. , 2009, , .		0
17	Stimulated Raman Scattering and its Applications in Optical Communications and Optical Sensors. The Open Optics Journal, 2009, 3, 1-11.	0.1	13
18	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

#	ARTICLE	IF	CITATIONS
19	Inclusion of depolarization effects in polarization-dependent loss statistics of a recirculating loop. , 2005, , .		0
20	Simulation performance of ASE-XGM wavelength converter for spectrum-sliced WDM system. , 2003, 5248, 240.		0
21	Simulation performance of a Sagnac loop terahertz asymmetric optical demultiplexer for OTDM systems. , 2003, , .		0
22	Classical analog of electromagnetically induced transparency. American Journal of Physics, 2002, 70, 37-41.	0.7	547
23	Observation of periodic structures of atoms in a two-color magneto-optical trap. Physical Review A, 1999, 59, 3101-3104.	2.5	5
24	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
25	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