

# Asier Villafranca

## List of Publications by Year in descending order

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20  
papers

248  
citations

1163117

8  
h-index

996975

15  
g-index

20  
all docs

20  
docs citations

20  
times ranked

276  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigations of Repetition Rate Stability of a Mode-Locked Quantum Dot Semiconductor Laser in an Auxiliary Optical Fiber Cavity. IEEE Journal of Quantum Electronics, 2010, 46, 150-157.	1.9	46
2	Characterization of the Main Semiconductor Laser Static and Dynamic Working Parameters From CW Optical Spectrum Measurements. IEEE Journal of Quantum Electronics, 2007, 43, 116-122.	1.9	33
3	Stimulated Brillouin scattering gain profile characterization by interaction between two narrow-linewidth optical sources. Optics Express, 2005, 13, 7336.	3.4	32
4	Measurement of the linewidth enhancement factor in DFB lasers using a high-resolution optical spectrum analyzer. IEEE Photonics Technology Letters, 2005, 17, 2268-2270.	2.5	32
5	Novel WDM-PON Architecture Based on a Spectrally Efficient IM-FSK Scheme Using DMLs and RSOAs. Journal of Lightwave Technology, 2008, 26, 350-356.	4.6	28
6	Directly Modulated VCSEL-Based Real-Time 11.25-Gb/s Optical OFDM Transmission Over 2000-m Legacy MMFs. IEEE Photonics Journal, 2012, 4, 143-154.	2.0	18
7	Silicon-on-insulator chip-to-chip coupling via out-of-plane or vertical grating couplers. Applied Optics, 2012, 51, 8090.	1.8	12
8	Analysis of narrow-FSK downstream modulation in colourless WDM PONs. Electronics Letters, 2007, 43, 471.	1.0	10
9	Narrow-FSK optical packet labeling scheme for optical ethernet networks. IEEE Photonics Technology Letters, 2006, 18, 1696-1698.	2.5	8
10	Mode-Resolved Measurements of the Linewidth Enhancement Factor of a Fabry-Pérot Laser. IEEE Photonics Technology Letters, 2009, 21, 1256-1258.	2.5	8
11	Integrated Multi-Bit All-Optical NOR Gate for High Speed Data Processing. Journal of Lightwave Technology, 2013, 31, 1178-1184.	4.6	6
12	Analysis of the influence of backscattered optical power over bidirectional PON links. Optics Communications, 2010, 283, 2243-2250.	2.1	5
13	Time-Resolved Chirp Measurements Using Complex Spectrum Analysis Based on Stimulated Brillouin Scattering. , 2008, , .		3
14	Integrated all-optical 2-bit decoder based on semiconductor optical amplifiers. , 2014, , .		3
15	In-Band DGD Monitoring Based on Polarization Controlled Stimulated Brillouin Scattering. IEEE Photonics Technology Letters, 2013, 25, 1586-1588.	2.5	2
16	Complex Spectrum Analysis of Modulated Optical Signals Using Stimulated Brillouin Scattering. IEEE Photonics Technology Letters, 2008, 20, 1938-1940.	2.5	1
17	Assessment of linear semiconductor amplifiers for upgrading WDM-PONs with wavelength reuse. Applied Optics, 2012, 51, 692.	1.8	1
18	Characterization of 1.55 $\mu$ m VCSELs using high-resolution and high-dynamic range measurements of the CW optical spectrum. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
19	In-band optical signal-to-noise ratio monitoring method based on high-resolution polarization analysis and induced differential group delay. Applied Optics, 2010, 49, 6213.	2.1	0
20	Remote-seeded WDM-PON upgrade using linear semiconductor optical amplifiers. Optics Communications, 2013, 295, 119-124.	2.1	0