

# Waldimar Amaya Ocampo

## List of Publications by Year in descending order

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45  
papers

4,266  
citations

567144

15  
h-index

526166

27  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2974  
citing authors

#	ARTICLE	IF	CITATIONS
1	Device-independent randomness expansion with entangled photons. Nature Physics, 2021, 17, 452-456.	6.5	39
2	Experimental Low-Latency Device-Independent Quantum Randomness. Physical Review Letters, 2020, 124, 010505.	2.9	31
3	Interferometric photodetection in silicon photonics for phase diffusion quantum entropy sources. Optics Express, 2018, 26, 31957.	1.7	15
4	A significant-loophole-free test of Bell's theorem with entangled photons. , 2017, , .		0
5	Quantum entropy source on an InP photonic integrated circuit for random number generation. Optica, 2016, 3, 989.	4.8	84
6	A strong loophole-free test of local realism. , 2016, , .		1
7	Strong Loophole-Free Test of Local Realism. Physical Review Letters, 2015, 115, 250402.	2.9	910
8	Generation of Fresh and Pure Random Numbers for Loophole-Free Bell Tests. Physical Review Letters, 2015, 115, 250403.	2.9	88
9	Significant-Loophole-Free Test of Bell's Theorem with Entangled Photons. Physical Review Letters, 2015, 115, 250401.	2.9	932
10	Strong experimental guarantees in ultrafast quantum random number generation. Physical Review A, 2015, 91, .	1.0	36
11	Loophole-free Bell inequality violation using electron spins separated by 1.3 kilometres. Nature, 2015, 526, 682-686.	13.7	1,762
12	Enhancement of the sensitivity of a temperature sensor based on fiber Bragg gratings via weak value amplification. Optics Letters, 2015, 40, 3962.	1.7	49
13	Ultra-fast quantum randomness generation by accelerated phase diffusion in a pulsed laser diode. Optics Express, 2014, 22, 1645.	1.7	114
14	Rectangular Global Envelope Super Structured FBGs for Multiband Coherent OCDMA. IEEE Photonics Technology Letters, 2013, 25, 512-514.	1.3	8
15	Spectral efficiency in WDM-OCDMA Coherent Direct Sequence encoder/decoder devices based on fiber bragg gratings. , 2013, , .		4
16	Experimental demonstration of subcarrier multiplexed quantum key distribution system. Optics Letters, 2012, 37, 2031.	1.7	29
17	Chromatic dispersion compensation and coherent Direct-Sequence OCDMA operation on a single super structured FBG. Optics Express, 2012, 20, 13966.	1.7	6
18	Simultaneous transmission of 20x2 WDM/SCM-QKD and 4 bidirectional classical channels over a PON. Optics Express, 2012, 20, 16358.	1.7	33

#	ARTICLE	IF	CITATIONS
19	Chromatic dispersion tolerant coherent DS-OCDMA encoding based on SSFBG devices. , 2012, , .		0
20	Design equations of flat top Super Structured Fibre Bragg Gratings for WDM-coherent direct sequence OCDMA. , 2012, , .		0
21	Microwave Photonics Parallel Quantum Key Distribution. IEEE Photonics Journal, 2012, 4, 931-942.	1.0	12
22	Periodic Time-Domain Modulation for the Electrically Tunable Control of Optical Pulse Train Envelope and Repetition Rate Multiplication. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 377-383.	1.9	18
23	High reflective coherent direct sequence OCDMA systems employing chirped Super-Structured Fiber Bragg Gratings. , 2011, , .		0
24	Fast optical source for quantum key distribution based on semiconductor optical amplifiers. Optics Express, 2011, 19, 3825.	1.7	11
25	WDM-Coherent OCDMA over one single device based on short chip Super structured fiber Bragg gratings. Optics Express, 2011, 19, 24627.	1.7	9
26	WDM compatible and electrically tunable SPE-OCDMA system based on the temporal self-imaging effect. Optics Letters, 2011, 36, 400.	1.7	4
27	Dispersion Supported BB84 Quantum Key Distribution Using Phase Modulated Light. IEEE Photonics Journal, 2011, 3, 433-440.	1.0	10
28	Experimental demonstration of Subcarrier Multiplexed Quantum Key Distribution system feasibility. , 2011, , .		1
29	Simultaneous chromatic dispersion compensation and coherent direct-sequence OCDMA encoding on a single SSFBG device. , 2011, , .		1
30	Multi-channel en/decoding devices for WDM - Coherent Direct Sequence OCDMA applications based on Super Structured Fibre Bragg Gratings. , 2011, , .		3
31	Precise Spectral and Impulse Response Characterization of Broadband Super Structured FBGs by Multi-Scan OSSB. , 2011, , .		0
32	Coherent Direct Sequence optical en/decoding employing low cost DFB lasers with narrow optical band consumption &#x2013; towards realizable photonic label switching. , 2010, , .		1
33	Auto-Time Gating technique for all optical coherent Direct Sequence encoding and decoding. , 2010, , .		0
34	Optical Code Division Multiple Access coder/decoder pairs based on temporal optical pulse shaping with fiber Bragg Gratings and electrooptic modulators. , 2010, , .		0
35	Optical pulse train repetition rate and envelope control based on the optical fourier transform. , 2009, , .		0
36	Analysis of Subcarrier Multiplexed Quantum Key Distribution Systems: Signal, Intermodulation, and Quantum Bit Error Rate. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 1607-1621.	1.9	23

#	ARTICLE	IF	CITATIONS
37	High-performance codes selection in OCDMA systems. , 2009, , .		0
38	Effect of group velocity dispersion on all-optical encoded labels in optical packet networks. , 2009, , .		2
39	Experimental demonstration of a FBG-based temporal optical pulse shaping scheme dual to spatial arrangements for its use in OCDMA systems. , 2009, , .		1
40	Spectrally efficient optical CDMA system based on chromatic dispersion for phase coding of individual spectral lines in the time domain. Proceedings of SPIE, 2009, , .	0.8	1
41	Modeling of a Time-Spreading OCDMA System Including Nonperfect Time Gating, Optical Thresholding, and Fully Asynchronous Signal/Interference Overlapping. Journal of Lightwave Technology, 2008, 26, 768-776.	2.7	13
42	Full passive re-use of autocorrelation signal in all optical code based label optical packet networks. , 2008, , .		1
43	Design of high reflectivity superstructured FBG for coherent OCDMA employing synthesis approach. Electronics Letters, 2007, 43, 824.	0.5	5
44	Design of high reflectivity SSFBG-OCDMA en/decoders by DLP synthesis method. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	1
45	Coherent direct sequence optical code multiple access encoding-decoding efficiency versus wavelength detuning. Optics Letters, 2007, 32, 1896.	1.7	8