

Waldimar Amaya Ocampo

List of Publications by Year in descending order

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45
papers

4,266
citations

567144

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526166

27
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45
all docs

45
docs citations

45
times ranked

2974
citing authors

#	ARTICLE	IF	CITATIONS
1	Loophole-free Bell inequality violation using electron spins separated by 1.3 kilometres. <i>Nature</i> , 2015, 526, 682-686.	13.7	1,762
2	Significant-Loophole-Free Test of Bell's Theorem with Entangled Photons. <i>Physical Review Letters</i> , 2015, 115, 250401.	2.9	932
3	Strong Loophole-Free Test of Local Realism. <i>Physical Review Letters</i> , 2015, 115, 250402.	2.9	910
4	Ultra-fast quantum randomness generation by accelerated phase diffusion in a pulsed laser diode. <i>Optics Express</i> , 2014, 22, 1645.	1.7	114
5	Generation of Fresh and Pure Random Numbers for Loophole-Free Bell Tests. <i>Physical Review Letters</i> , 2015, 115, 250403.	2.9	88
6	Quantum entropy source on an InP photonic integrated circuit for random number generation. <i>Optica</i> , 2016, 3, 989.	4.8	84
7	Enhancement of the sensitivity of a temperature sensor based on fiber Bragg gratings via weak value amplification. <i>Optics Letters</i> , 2015, 40, 3962.	1.7	49
8	Device-independent randomness expansion with entangled photons. <i>Nature Physics</i> , 2021, 17, 452-456.	6.5	39
9	Strong experimental guarantees in ultrafast quantum random number generation. <i>Physical Review A</i> , 2015, 91, .	1.0	36
10	Simultaneous transmission of 20x2 WDM/SCM-QKD and 4 bidirectional classical channels over a PON. <i>Optics Express</i> , 2012, 20, 16358.	1.7	33
11	Experimental Low-Latency Device-Independent Quantum Randomness. <i>Physical Review Letters</i> , 2020, 124, 010505.	2.9	31
12	Experimental demonstration of subcarrier multiplexed quantum key distribution system. <i>Optics Letters</i> , 2012, 37, 2031.	1.7	29
13	Analysis of Subcarrier Multiplexed Quantum Key Distribution Systems: Signal, Intermodulation, and Quantum Bit Error Rate. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009, 15, 1607-1621.	1.9	23
14	Periodic Time-Domain Modulation for the Electrically Tunable Control of Optical Pulse Train Envelope and Repetition Rate Multiplication. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 377-383.	1.9	18
15	Interferometric photodetection in silicon photonics for phase diffusion quantum entropy sources. <i>Optics Express</i> , 2018, 26, 31957.	1.7	15
16	Modeling of a Time-Spreading OCDMA System Including Nonperfect Time Gating, Optical Thresholding, and Fully Asynchronous Signal/Interference Overlapping. <i>Journal of Lightwave Technology</i> , 2008, 26, 768-776.	2.7	13
17	Microwave Photonics Parallel Quantum Key Distribution. <i>IEEE Photonics Journal</i> , 2012, 4, 931-942.	1.0	12
18	Fast optical source for quantum key distribution based on semiconductor optical amplifiers. <i>Optics Express</i> , 2011, 19, 3825.	1.7	11

#	ARTICLE	IF	CITATIONS
19	Dispersion Supported BB84 Quantum Key Distribution Using Phase Modulated Light. IEEE Photonics Journal, 2011, 3, 433-440.	1.0	10
20	WDM-Coherent OCDMA over one single device based on short chip Super structured fiber Bragg gratings. Optics Express, 2011, 19, 24627.	1.7	9
21	Coherent direct sequence optical code multiple access encoding-decoding efficiency versus wavelength detuning. Optics Letters, 2007, 32, 1896.	1.7	8
22	Rectangular Global Envelope Super Structured FBGs for Multiband Coherent OCDMA. IEEE Photonics Technology Letters, 2013, 25, 512-514.	1.3	8
23	Chromatic dispersion compensation and coherent Direct-Sequence OCDMA operation on a single super structured FBG. Optics Express, 2012, 20, 13966.	1.7	6
24	Design of high reflectivity superstructured FBG for coherent OCDMA employing synthesis approach. Electronics Letters, 2007, 43, 824.	0.5	5
25	WDM compatible and electrically tunable SPE-OCDMA system based on the temporal self-imaging effect. Optics Letters, 2011, 36, 400.	1.7	4
26	Spectral efficiency in WDM-OCDMA Coherent Direct Sequence encoder/decoder devices based on fiber bragg gratings. , 2013, , .		4
27	Multi-channel en/decoding devices for WDM - Coherent Direct Sequence OCDMA applications based on Super Structured Fibre Bragg Gratings. , 2011, , .		3
28	Effect of group velocity dispersion on all-optical encoded labels in optical packet networks. , 2009, , .		2
29	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
30	Full passive re-use of autocorrelation signal in all optical code based label optical packet networks. , 2008, , .		1
31	Experimental demonstration of a FBG-based temporal optical pulse shaping scheme dual to spatial arrangements for its use in OCDMA systems. , 2009, , .		1
32	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
33	Coherent Direct Sequence optical en/decoding employing low cost DFB lasers with narrow optical band consumption – towards realizable photonic label switching. , 2010, , .		1
34	Experimental demonstration of Subcarrier Multiplexed Quantum Key Distribution system feasibility. , 2011, , .		1
35	Simultaneous chromatic dispersion compensation and coherent direct-sequence OCDMA encoding on a single SSFBG device. , 2011, , .		1
36	A strong loophole-free test of local realism. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
37	Optical pulse train repetition rate and envelope control based on the optical fourier transform. , 2009, , .		0
38	High-performance codes selection in OCDMA systems. , 2009, , .		0
39	Auto-Time Gating technique for all optical coherent Direct Sequence encoding and decoding. , 2010, , .		0
40	Optical Code Division Multiple Access coder/decoder pairs based on temporal optical pulse shaping with fiber Bragg Gratings and electrooptic modulators. , 2010, , .		0
41	High reflective coherent direct sequence OCDMA systems employing chirped Super-Structured Fiber Bragg Gratings. , 2011, , .		0
42	Chromatic dispersion tolerant coherent DS-OCDMA encoding based on SSFBG devices. , 2012, , .		0
43	Design equations of flat top Super Structured Fibre Bragg Gratings for WDM-coherent direct sequence OCDMA. , 2012, , .		0
44	Precise Spectral and Impulse Response Characterization of Broadband Super Structured FBGs by Multi-Scan OSSB. , 2011, , .		0
45	A significant-loophole-free test of Bell's theorem with entangled photons. , 2017, , .		0