

Jose Mora

List of Publications by Year in descending order

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155
times ranked

1520
citing authors

#	ARTICLE	IF	CITATIONS
1	Harmonic and Intermodulation Distortion Analysis in Directly Modulated Lasers Over Local and Remote Photonically Generated Millimeter-Wave Signals. Journal of Lightwave Technology, 2022, 40, 5128-5140.	4.6	2
2	On the 40 GHz Remote Versus Local Photonic Generation for DML-Based C-RAN Optical Fronthaul. Journal of Lightwave Technology, 2021, 39, 6712-6723.	4.6	9
3	Multiband IFOF signal transmission based on DML with local photonic 40 GHz up conversion. , 2021, , .		0
4	Third-Order Dispersion Compensation for Resolution Enhancement in RF Interferometry. , 2018, , .		0
5	Low-Coherence Interferometry Using Microwave Photonics for Multilayered Samples. Journal of Lightwave Technology, 2018, 36, 4611-4617.	4.6	3
6	Bidirectional WDM-OOFDM access network based on a sliceable optical transceiver with colorless ONUs. Optical Fiber Technology, 2018, 45, 98-105.	2.7	3
7	Advanced RF Interferometry Structure for Improving Operation Range. IEEE Photonics Technology Letters, 2018, 30, 1637-1640.	2.5	1
8	OOFDM Signal Transmission Using a Single Optical Broadband Source. IEEE Photonics Technology Letters, 2017, 29, 563-566.	2.5	5
9	Broadband Optical Sources for Low-Cost WDM-MB-OFDM Networks. IEEE Communications Letters, 2017, 21, 1759-1762.	4.1	1
10	SCM Adaptation to Improve Scanning Rate in RF Interferometry Applications. IEEE Photonics Technology Letters, 2017, 29, 999-1002.	2.5	2
11	High-Performance Low Coherence Interferometry Using SSB Modulation. IEEE Photonics Technology Letters, 2017, 29, 90-93.	2.5	15
12	Reconfigurable optical OFDM signal transmitter based on sliced ASE source for DD MB-OFDM next generation WDM access networks. , 2017, , .		2
13	Sensitivity Enhancement for Low-Coherence Interferometry. IEEE Photonics Technology Letters, 2017, 29, 1735-1738.	2.5	4
14	Incoherent Photonic Processing for Chirped Microwave Pulse Generation. IEEE Photonics Technology Letters, 2017, 29, 7-10.	2.5	7
15	On the evaluation of an optical OFDM radio over FSO system with IM-DD for high-speed indoor communications. , 2017, , .		9
16	Demonstration of multiplexed sensor system combining low coherence interferometry and microwave photonics. Optics Express, 2017, 25, 12182.	3.4	11
17	Analysis of key parameters in MWP-LCI systems. , 2017, , .		1
18	Integrated 16-ps Pulse Generator Based on a Reflective SOA-EAM for UWB Schemes. IEEE Photonics Technology Letters, 2016, 28, 2180-2182.	2.5	5

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19	Query Rewriting in RDF Stream Processing. Lecture Notes in Computer Science, 2016, , 486-502.	1.3	21
20	Optical Beamformer for 2-D Phased Array Antenna With Subarray Partitioning Capability. IEEE Photonics Journal, 2016, 8, 1-9.	2.0	22
21	Semantic Analysis of R2RML Mappings for Ontology-Based Data Access. Lecture Notes in Computer Science, 2016, , 25-38.	1.3	2
22	UWB Pulses Generation and Modulation Through a Customized FBG-Based Photonic Device. IEEE Photonics Technology Letters, 2016, 28, 2319-2322.	2.5	9
23	High-Order UWB Pulses Generation Adaptable to Bi-Phase Modulation. IEEE Photonics Technology Letters, 2016, 28, 2371-2374.	2.5	2
24	Real-time Microwave Photonic technique for Low-Coherence Interferometry applications. , 2016, , .		1
25	Paired SSB optical OFDM channels for high spectral efficient signal transmission over DWDM networks. Optics Communications, 2016, 370, 239-244.	2.1	0
26	Chirped Waveform Generation With Envelope Reconfigurability for Pulse Compression Radar. IEEE Photonics Technology Letters, 2016, 28, 748-751.	2.5	8
27	Advanced Microwave Photonic structure for Low Coherence Interferometry. , 2016, , .		0
28	Novel multiplexing sensing technique combining Microwave Photonics and Low Coherence Interferometry. , 2016, , .		0
29	High order UWB pulses generation based on a scalable phase-to-intensity technique. , 2015, , .		1
30	Novel approach for Low Coherence Interferometry based on a microwave photonic architecture. , 2015, , .		2
31	Ultra-wideband pulses generation by means of incoherent optical processing compatible with radio-over-fibre systems. , 2015, , .		0
32	A novel MWP proposal for low-coherence interferometry applications. , 2015, , .		3
33	Experimental photonic generation of chirped pulses using nonlinear dispersion-based incoherent processing. Optics Express, 2015, 23, 13634.	3.4	2
34	Scalable High-Order UWB Pulse Generation Employing an FBG-Based Photonic Superstructure. IEEE Photonics Technology Letters, 2015, 27, 2146-2149.	2.5	2
35	Mapping Analysis in Ontology-Based Data Access: Algorithms and Complexity. Lecture Notes in Computer Science, 2015, , 217-234.	1.3	16
36	BootOX: Practical Mapping of RDBs to OWL 2. Lecture Notes in Computer Science, 2015, , 113-132.	1.3	61

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37	WDM Optical Access Network for Full-Duplex and Reconfigurable Capacity Assignment Based on PolMUX Technique. Photonics, 2014, 1, 503-515.	2.0	4
38	Radio-frequency low-coherence interferometry. Optics Letters, 2014, 39, 3634.	3.3	22
39	Scalable UWB photonic generator based on the combination of doublet pulses. Optics Express, 2014, 22, 15346.	3.4	7
40	Multiband-UWB Signals Generation Based on Incoherent Microwave Photonic Filters. IEEE Photonics Technology Letters, 2014, 26, 142-145.	2.5	10
41	UWB Monocycle Generator Based on the Non-Linear Effects of an SOA-Integrated Structure. IEEE Photonics Technology Letters, 2014, 26, 690-693.	2.5	5
42	Towards Mapping Analysis in Ontology-Based Data Access. Lecture Notes in Computer Science, 2014, , 108-123.	1.3	6
43	Effective Computation of Maximal Sound Approximations of Description Logic Ontologies. Lecture Notes in Computer Science, 2014, , 164-179.	1.3	12
44	kyrie2: Query Rewriting under Extensional Constraints in \mathcal{ELHIO} . Lecture Notes in Computer Science, 2014, , 568-583.	1.3	6
45	Generation of an UWB monocycle employing cross-phase modulation in a SOA-MZ interferometer. , 2013, , .		0
46	A microwave photonics transistor. , 2013, , .		3
47	Optical single sideband transmitter using phase modulation and a photonic integrated filter. , 2013, , .		2
48	Microwave Photonic Signal Processing. Journal of Lightwave Technology, 2013, 31, 571-586.	4.6	494
49	UWB Doublet Generation Employing Cross-Phase Modulation in a Semiconductor Optical Amplifier Mach-Zehnder Interferometer. IEEE Photonics Journal, 2013, 5, 7101106-7101106.	2.0	4
50	Enabling quantum communications through accurate photons polarization control. , 2013, , .		1
51	Quantum model of light transmission in array waveguide gratings. Optics Express, 2013, 21, 14841.	3.4	6
52	Integrable high order UWB pulse photonic generator based on cross phase modulation in a SOA-MZI. Optics Express, 2013, 21, 22911.	3.4	29
53	High-order UWB pulses scheme to generate multilevel modulation formats based on incoherent optical sources. Optics Express, 2013, 21, 28914.	3.4	6
54	Engineering optimisations in query rewriting for OBDA. , 2013, , .		7

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55	UWB doublet generation in an integrated semiconductor optical amplifier Mach-Zehnder interferometer. , 2013, , .		0
56	Amplification of the transmission rate for quantum key distribution based on subcarrier multiplexing. , 2013, , .		0
57	Transforming meteorological data into Linked Data. Semantic Web, 2013, 4, 285-290.	1.9	37
58	Towards a Systematic Benchmarking of Ontology-Based Query Rewriting Systems. Lecture Notes in Computer Science, 2013, , 376-391.	1.3	8
59	Experimental demonstration of subcarrier multiplexed quantum key distribution system. Optics Letters, 2012, 37, 2031.	3.3	29
60	Nonlinear dispersion-based incoherent photonic processing for microwave pulse generation with full reconfigurability. Optics Express, 2012, 20, 6728.	3.4	14
61	Harmonic distortion in microwave photonic filters. Optics Express, 2012, 20, 8871.	3.4	6
62	Simultaneous transmission of 20x2 WDM/SCM-QKD and 4 bidirectional classical channels over a PON. Optics Express, 2012, 20, 16358.	3.4	33
63	Microwave Photonics Parallel Quantum Key Distribution. IEEE Photonics Journal, 2012, 4, 931-942.	2.0	12
64	Highly Chirped Reconfigurable Microwave Photonic Filter. IEEE Photonics Technology Letters, 2011, 23, 1192-1194.	2.5	10
65	Optical Arbitrary Waveform Generator Using Incoherent Microwave Photonic Filtering. IEEE Photonics Technology Letters, 2011, 23, 618-620.	2.5	10
66	Experimental demonstration of a novel configuration for BB84 frequency coded QKD. , 2011, , .		5
67	Analysis of harmonic distortion involved in microwave photonic filters. , 2011, , .		1
68	Highly chirped single-bandpass microwave photonic filter with reconfiguration capabilities. Optics Express, 2011, 19, 4566.	3.4	32
69	Dispersion Supported BB84 Quantum Key Distribution Using Phase Modulated Light. IEEE Photonics Journal, 2011, 3, 433-440.	2.0	10
70	Experimental demonstration of Subcarrier Multiplexed Quantum Key Distribution system feasibility. , 2011, , .		1
71	High-order UWB pulse generation based on a microwave photonic filter using incoherent optical sources. , 2011, , .		4
72	Chirped Microwave Photonic Filter with High Frequency Tuning Capability. , 2011, , .		4

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73	Peer-to-Peer architectures for converged wired/wireless access networks. , 2010, , .		1
74	Selective Multicast in a Dynamic Wavelength Router for DWDM Converged Wired/Wireless Access Networks. , 2010, , .		2
75	Flexible Monocycle UWB Generation for Reconfigurable Access Networks. IEEE Photonics Technology Letters, 2010, 22, 878-880.	2.5	12
76	Wavelength Data Rewriter for Centralized-Source Radio-Over-Fiber Access Networks. IEEE Photonics Technology Letters, 2010, 22, 1102-1104.	2.5	6
77	Microwave photonic filtering scheme for BB84 Subcarrier Multiplexed Quantum Key Distribution. , 2010, , .		7
78	Centralized light-source optical access network based on polarization multiplexing. Optics Express, 2010, 18, 4240.	3.4	14
79	Radio over fiber transceiver employing phase modulation of an optical broadband source. Optics Express, 2010, 18, 21750.	3.4	12
80	Strategies for P2P connectivity in reconfigurable converged wired/wireless access networks. Optics Express, 2010, 18, 26196.	3.4	2
81	Photonic arbitrary waveform generation applicable to multiband UWB communications. Optics Express, 2010, 18, 26259.	3.4	22
82	Reconfigurability and tunability of a chirped microwave photonic pulse generator. , 2010, , .		2
83	Bidirectional transmission of digital signals in a WDM-PolMUX optical access network. , 2010, , .		2
84	Suppression of Harmonic and Intermodulation Distortion for SCM-WDM RoF Systems based on the Spectral Slicing of Optical Broadband Sources. , 2010, , .		2
85	Microwave Photonics Solutions for In-Building Networks Signal Transmission. , 2010, , .		1
86	Experimental evaluation of the transmission in a low cost SCM/WDM radio over fibre system employing optical broadband sources and interferometric structures. , 2009, , .		4
87	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.	2.9	23
88	Subcarrier multiplexing tolerant dispersion transmission system employing optical broadband sources. Optics Express, 2009, 17, 4740.	3.4	17
89	Optical UWB pulse generator using an N tap microwave photonic filter and phase inversion adaptable to different pulse modulation formats. Optics Express, 2009, 17, 5023.	3.4	130
90	Transmission of Optically Generated 1.25 Gb/s QAM Wireless Signals in a Dynamically Reconfigurable Optical WDM Network. , 2009, , .		0

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91	Continuously Tunable Microwave Photonic Filter With Negative Coefficients Using Cross-Phase Modulation in an SOA-MZ Interferometer. IEEE Photonics Technology Letters, 2008, 20, 526-528.	2.5	14
92	Accurate Control of Active Recirculating Structures for Microwave Photonics Signal Filtering. Journal of Lightwave Technology, 2008, 26, 1626-1631.	4.6	5
93	Single-Bandpass Microwave Photonic Filter With Tuning and Reconfiguration Capabilities. Journal of Lightwave Technology, 2008, 26, 2663-2670.	4.6	51
94	Theoretical Model and Experimental Verification of 2 nd Mach-Zehnder EOM With Dispersive Optical Fiber Link Propagation. IEEE Journal of Quantum Electronics, 2008, 44, 165-174.	1.9	4
95	Optical modulation formats by combination of two time-delayed orthogonally polarized double sideband modulated signals. , 2008, , .		0
96	Flexible Capacity Assignment in a Multiwavelength Radio Over Fiber Access Network. , 2007, , .		2
97	Bidirectional Dynamic Capacity Allocation by Using Optically Switched Foldback AWG. , 2007, , .		1
98	Symmetric reconfigurable capacity assignment in a bidirectional DWDM access network. Optics Express, 2007, 15, 16781.	3.4	18
99	Tunable and reconfigurable single bandpass photonic microwave filter using a high-birefringence Sagnac loop and DWDM channel selector. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	3
100	Active recirculating structures for UMTS noise and interference suppression. , 2006, , .		1
101	Tunable Microwave Photonic Filter Free from Carrier Suppression Effect with Positive and Negative Coefficients. , 2006, , .		0
102	Demonstration of incoherent microwave photonic filters with all-optical complex coefficients. IEEE Photonics Technology Letters, 2006, 18, 1744-1746.	2.5	81
103	Continuous tuning of photonic transversal filter based on the modification of tapped weights. IEEE Photonics Technology Letters, 2006, 18, 1594-1596.	2.5	17
104	Novel Technique for Implementing Incoherent Microwave Photonic Filters With Negative Coefficients Using Phase Modulation and Single Sideband Selection. IEEE Photonics Technology Letters, 2006, 18, 1943-1945.	2.5	13
105	Tunable radio-frequency photonic filter based on an actively mode-locked fiber laser. Optics Letters, 2006, 31, 709.	3.3	60
106	Tunable microwave photonic filter free from baseband and carrier suppression effect not requiring single sideband modulation using a Mach-Zehnder configuration. Optics Express, 2006, 14, 7960.	3.4	11
107	Photonic microwave tunable single-bandpass filter based on a Mach-Zehnder interferometer. Journal of Lightwave Technology, 2006, 24, 2500-2509.	4.6	254
108	Optical carrier processor of microwave/millimeter-wave photonic signals by using a fiber Bragg grating in transmission. , 2006, , .		0

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109	Simultaneous temperature and ac-current measurements for high voltage lines using fiber Bragg gratings. <i>Sensors and Actuators A: Physical</i> , 2006, 125, 313-316.	4.1	19
110	Experimental demonstration of the continuous tuning of microwave photonic filters by sinusoidal modulation of the filter coefficients. , 2006, , .		1
111	Tunable all-optical microwave filter using Cross-Phase Modulation in Semiconductor Optical Amplifier Mach-Zehnder interferometer. , 2006, , .		0
112	Tunable Microwave Photonic Filter Free from Carrier Suppression Effect and Baseband Response not Requiring Single Sideband Modulation. , 2006, , .		0
113	Advanced Optical Processing of Microwave Signals. <i>Eurasip Journal on Advances in Signal Processing</i> , 2005, 2005, 1.	1.7	14
114	Highly selective microwave photonic filters based on active optical recirculating cavity and tuned modulator hybrid structure. <i>Electronics Letters</i> , 2005, 41, 1133.	1.0	31
115	Microwave photonic transversal filter for intermodal dispersion equalisation. <i>Electronics Letters</i> , 2005, 41, 193.	1.0	0
116	Photonic processing of microwave signals. <i>IEE Proceedings: Optoelectronics</i> , 2005, 152, 299-320.	0.8	17
117	Microwave photonic filters with arbitrary positive and negative coefficients using multiple phase inversion in SOA based XGM wavelength converter. <i>Electronics Letters</i> , 2005, 41, 921.	1.0	17
118	Microwave photonic filters with negative coefficients: Fundamentals, advantages and recent advances. , 2005, , .		0
119	Highly selective Microwave Photonic filters based on new FBGs-EDF recirculating cavities and tuned modulators. , 2005, , .		3
120	Computer-controlled reconfigurable Microwave Photonic filters featuring high-quality windowing profiles. , 2005, , .		1
121	Microwave Photonic Filters with arbitrary number of positive and negative coefficients using multiple phase inversion in a SOA based XGM wavelength converter. , 2005, , .		0
122	Microwave photonic filters using low-cost sources featuring tunability, reconfigurability and negative coefficients. <i>Optics Express</i> , 2005, 13, 1412.	3.4	51
123	Tunable and reconfigurable microwave filter by use of a Bragg-grating-based acousto-optic superlattice modulator. <i>Optics Letters</i> , 2005, 30, 8.	3.3	33
124	High-Q microwave photonic filter with a tuned modulator. <i>Optics Letters</i> , 2005, 30, 2299.	3.3	24
125	Continuous-wave and giant-pulse operations of a single-frequency erbium-doped fiber laser. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 28-30.	2.5	10
126	Wavelength-switchable fiber laser using acoustic waves. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 552-554.	2.5	31

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127	High-quality online-reconfigurable microwave photonic transversal filter with positive and negative coefficients. IEEE Photonics Technology Letters, 2005, 17, 2730-2732.	2.5	36
128	Electronic tuning of delay lines based on chirped fiber gratings for phased arrays powered by a single optical carrier. Optics Communications, 2004, 238, 277-280.	2.1	7
129	Tunable Dispersion Compensator Based on a Fiber Bragg Grating Written in a Tapered Fiber. IEEE Photonics Technology Letters, 2004, 16, 2631-2633.	2.5	18
130	Simple high-resolution wavelength monitor based on a fiber Bragg grating. Applied Optics, 2004, 43, 744.	2.1	27
131	Temperature sensor based on the power reflected by a Bragg grating in a tapered fiber. Applied Optics, 2004, 43, 2393.	2.1	20
132	Simple wavelength monitor for fibre Bragg grating sensors. , 2004, , .		0
133	Interrogation system for a temperature sensor based on a fiber Bragg grating made in a tapered fiber. , 2004, , .		0
134	<title>Acoustically induced wavelength switching of a fiber laser</title>. , 2004, , .		1
135	White light sources filtered with fiber Bragg gratings for RF-photonics applications. Optics Communications, 2003, 222, 221-225.	2.1	4
136	Dynamic fiber-optic add-drop multiplexer using Bragg gratings and acousto-optic-induced coupling. IEEE Photonics Technology Letters, 2003, 15, 84-86.	2.5	38
137	Tunable dispersion device based on a tapered fiber Bragg grating and nonuniform magnetic fields. IEEE Photonics Technology Letters, 2003, 15, 951-953.	2.5	20
138	Tunable all-optical negative multitap microwave filters based on uniform fiber Bragg gratings. Optics Letters, 2003, 28, 1308.	3.3	79
139	Highly tunable optically switched time delay line for transversal filtering. Electronics Letters, 2003, 39, 1799.	1.0	10
140	Tunable chirped fibre Bragg grating device controlled by variable magnetic fields. Electronics Letters, 2002, 38, 118.	1.0	16
141	Automatic tunable and reconfigurable fiberoptic microwave filters based on a broadband optical source sliced by uniform fiber Bragg gratings. Optics Express, 2002, 10, 1291.	3.4	53
142	Tunable chirp in Bragg gratings written in tapered core fibers. Optics Communications, 2002, 210, 51-55.	2.1	30
143	High-efficiency Q-switched erbium fiber laser using a Bragg grating-based modulator. Optics Communications, 2002, 210, 361-366.	2.1	62
144	<title>Dynamic add-and-drop in optical fiber</title>. , 2001, 4419, 379.		0

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145	<title>Q-switching of an erbium-doped fiber laser using Bragg gratings</title>. , 2001, , .		2
146	<title>Simple fiber optic device to interrogate fiber optic Bragg gratings used as sensors</title>. , 2001, , .		47
147	<title>Tunable chirp in Bragg gratings written in tapered core fibers</title>. , 2001, , .		0
148	A magnetostrictive sensor interrogated by fiber gratings for DC-current and temperature discrimination. IEEE Photonics Technology Letters, 2000, 12, 1680-1682.	2.5	114
149	Dynamic optical transversal filters based on a tunable dispersion fiber Bragg grating. , 0, , .		12
150	Microwave photonics based on fiber Bragg gratings. , 0, , .		0
151	A single bandpass tunable photonic transversal filter based on a broadband optical source and a mach-zehnder interferometer. , 0, , .		13
152	All-optical tunable microwave filters with negative multitaps based on uniform fiber Bragg gratings. , 0, , .		0
153	Tunable and reconfigurable microwave filter based on acoustically modulated fiber Bragg grating. , 0, , .		0
154	Microwave Photonic Signal Processing. , 0, , 191-237.		1