

Francisco Ramos

List of Publications by Year in descending order

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55
papers

1,173
citations

430442

18
h-index

395343

33
g-index

55
all docs

55
docs citations

55
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	IST-LASAGNE: towards all-optical label swapping employing optical logic gates and optical flip-flops. <i>Journal of Lightwave Technology</i> , 2005, 23, 2993-3011.	2.7	163
2	All-optical switching structure based on a photonic crystal directional coupler. <i>Optics Express</i> , 2004, 12, 161.	1.7	126
3	All-optical flip-flop based on a single SOA-MZI. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 843-845.	1.3	96
4	All-optical packet header processor based on cascaded SOA-MZIs. <i>Electronics Letters</i> , 2004, 40, 894.	0.5	60
5	On the use of fiber-induced self-phase modulation to reduce chromatic dispersion effects in microwave/millimeter-wave optical systems. <i>IEEE Photonics Technology Letters</i> , 1998, 10, 1473-1475.	1.3	51
6	All-optical flip-flop based on an active Mach-Zehnder interferometer with a feedback loop. <i>Optics Letters</i> , 2005, 30, 2861.	1.7	46
7	From IP over WDM to all-optical packet switching: economical view. <i>Journal of Lightwave Technology</i> , 2006, 24, 1638-1645.	2.7	44
8	All-optical network subsystems using integrated SOA-based optical gates and flip-flops for label-swapped networks. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 1750-1752.	1.3	43
9	Frequency transfer function of dispersive and nonlinear single-mode optical fibers in microwave optical systems. <i>IEEE Photonics Technology Letters</i> , 2000, 12, 549-551.	1.3	41
10	All-optical packet routing scheme for optical label-swapping networks. <i>Optics Express</i> , 2004, 12, 4326.	1.7	36
11	10 Gb/s Reconfigurable Optical Logic Gate Using a Single Hybrid-Integrated SOA-MZI. <i>Fiber and Integrated Optics</i> , 2007, 27, 15-23.	1.7	29
12	160-Gb/s All-Optical Packet Switching Over a 110-km Field Installed Optical Fiber Link. <i>Journal of Lightwave Technology</i> , 2008, 26, 176-182.	2.7	27
13	Photonic microwave filter employing multimode optical sources and wideband chirped fibre gratings. <i>Electronics Letters</i> , 1998, 34, 1760.	0.5	26
14	Compensation of chromatic dispersion effects in microwave/millimeter-wave optical systems using four-wave-mixing induced in dispersion-shifted fibers. <i>IEEE Photonics Technology Letters</i> , 1999, 11, 1171-1173.	1.3	26
15	All-Optical Processing Based on a Logic xor Gate and a Flip-Flop Memory for Packet-Switched Networks. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 1316-1318.	1.3	25
16	160-Gb/s All-Optical Packet-Switching With In-Band Filter-Based Label Extraction and a Hybrid-Integrated Optical Flip-Flop. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 990-992.	1.3	21
17	Millimeter-Wave Signal Generation and Harmonic Upconversion Through PM-IM Conversion in Chirped Fiber Gratings. <i>Fiber and Integrated Optics</i> , 2000, 19, 187-198.	1.7	20
18	Broadband microwave photonic fully tunable filter using a single heterogeneously integrated III-V/SOI-microdisk-based phase shifter. <i>Optics Express</i> , 2012, 20, 10796.	1.7	20

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19	Dispersion-tolerant data transmission based on the use of fiber-induced self-phase modulation in microwave optical links. <i>Microwave and Optical Technology Letters</i> , 2000, 27, 1-4.	0.9	19
20	Compensation for dispersion-induced nonlinear distortion in subcarrier systems using optical-phase conjugation. <i>Electronics Letters</i> , 1997, 33, 792.	0.5	18
21	Photonic tunable microwave filters employing electroabsorption modulators and wideband chirped fibre gratings. <i>Electronics Letters</i> , 1999, 35, 305.	0.5	18
22	Mitigation of dispersion-induced power penalty in millimetre-wave fibre optic links. <i>Electronics Letters</i> , 1998, 34, 1869.	0.5	17
23	Synthesis of photonic microwave filters based on external optical modulators and wide-band chirped fiber gratings. <i>Journal of Lightwave Technology</i> , 2000, 18, 213-220.	2.7	17
24	Bistability Analysis for Optical Flip-Flops Based on a SOA-MZI With Feedback. <i>Journal of Lightwave Technology</i> , 2007, 25, 3641-3648.	2.7	17
25	Experimental reduction of dispersion-induced effects in microwave optical links employing SOA boosters. <i>IEEE Photonics Technology Letters</i> , 2001, 13, 999-1001.	1.3	16
26	Mitigation of chromatic dispersion effects employing electroabsorption modulator-based transmitters. <i>IEEE Photonics Technology Letters</i> , 1999, 11, 883-885.	1.3	15
27	Millimetre-wave generation and harmonic upconversion through PM-IM conversion in chirped fibre gratings. <i>Electronics Letters</i> , 1999, 35, 1265.	0.5	13
28	Compensation for fiber-induced composite second-order distortion in externally modulated lightwave AM-SCM systems using optical-phase conjugation. <i>Journal of Lightwave Technology</i> , 1998, 16, 1387-1392.	2.7	12
29	How the Weather Impacts on the Performance of an Outdoor WLAN. <i>IEEE Communications Letters</i> , 2012, 16, 1184-1187.	2.5	11
30	Compensation for dispersion-induced carrier suppression effect in microwave millimetre-wave optical links using optical phase conjugation in semiconductor optical amplifiers. <i>Electronics Letters</i> , 2006, 42, 238.	0.5	9
31	Quasi-ideal dynamics of vortex solitons embedded in flattop nonlinear Bessel beams. <i>Optics Letters</i> , 2017, 42, 3275.	1.7	9
32	Nonlinear distortion generated by semiconductor optical amplifier boosters in analog optical systems. <i>Optics Letters</i> , 2003, 28, 1102.	1.7	8
33	All-optical DGD monitor for packet-switched networks based on an integrated active Mach-Zehnder interferometer operating as logic XOR gate. <i>Optics Communications</i> , 2008, 281, 5330-5334.	1.0	8
34	Comparison of optical single-sideband modulation and chirped fiber gratings as dispersion mitigating techniques in optical millimeter-wave multichannel systems. <i>IEEE Photonics Technology Letters</i> , 1999, 11, 1479-1481.	1.3	7
35	Noise Spectrum Characterization of Slow Light SOA-Based Microwave Photonic Phase Shifters. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1005-1007.	1.3	7
36	The Influence of Optical Filtering on the Noise Performance of Microwave Photonic Phase Shifters Based on SOAs. <i>Journal of Lightwave Technology</i> , 2011, 29, 1746-1752.	2.7	7

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37	All-optical decrementing of a packet's time-to-live (TTL) field using logic XOR gates. Optics Express, 2008, 16, 19734.	1.7	6
38	Optical vortex trapping and annihilation by means of nonlinear Bessel beams in nonlinear absorbing media. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 3030.	0.9	6
39	Optimisation of 40Gb/s wavelength converters based on four-wave mixing in a semiconductor optical amplifier. Optics Communications, 2007, 276, 158-160.	1.0	5
40	The influence of meteorological variables on the performance of outdoor wireless local area networks. , 2012, , .		4
41	Title is missing!. Wireless Personal Communications, 2000, 15, 31-42.	1.8	3
42	Experimental comparison of DSF- and SOA-based optical phase conjugator performance in ASE-limited microwave optical links. Microwave and Optical Technology Letters, 2001, 29, 31-33.	0.9	3
43	Frequency response of analogue optical links employing SOA-boosters. Electronics Letters, 2002, 38, 1115.	0.5	3
44	Monitoring the Quality of Signal in Packet-Switched Networks Using Optical Correlators. Journal of Lightwave Technology, 2009, 27, 5417-5425.	2.7	3
45	Small-signal analysis of wavelength converters based on cross-phase Modulation in dispersion-shifted fibers. IEEE Photonics Technology Letters, 2005, 17, 2370-2372.	1.3	2
46	All-Optical Self-Routing Latching Switch Based on Active Mach-Zehnder Interferometer. IEEE Photonics Technology Letters, 2006, 18, 2475-2477.	1.3	2
47	Improving Energy-Efficiency with a Green Cognitive Algorithm to Overcome Weather's Impact in 2.4GHz Wireless Networks. Mobile Networks and Applications, 2015, 20, 673-691.	2.2	2
48	Optimisation of dispersion-induced power penalty mitigation in millimetre-wave fibre optic links. Electronics Letters, 1999, 35, 69.	0.5	1
49	Analysis of hybrid modulation techniques in MZ-EOM-based photonic mixers to overcome dispersion-induced power penalty in up-converting millimeter-wave fiber-optic links. Microwave and Optical Technology Letters, 1999, 23, 127-129.	0.9	1
50	Optimization of millimeter-wave signal generation through FM-IM conversion in chirped fiber gratings. Microwave and Optical Technology Letters, 2000, 27, 393-395.	0.9	1
51	RF response of analog optical links employing optical phase conjugation. Journal of Lightwave Technology, 2001, 19, 842-846.	2.7	1
52	Performance Analysis of Weather's Impact on Outdoor IEEE 802.11b/g Links Using Network Management Parameters. Mobile Networks and Applications, 2016, 21, 603-619.	2.2	1
53	Model Fitting to Account for the Weather's Impact on Wireless Propagation at 2.4GHz. The National Academy of Sciences, India, 2017, 40, 127-130.	0.8	1
54	The influence of the ASE noise on the cascability of active Mach-Zehnder interferometer switches. Microwave and Optical Technology Letters, 2008, 50, 2629-2631.	0.9	0

#	ARTICLE	IF	CITATIONS
55	Monitoring Devices for Providing Network Intelligence in Optical Packet Switched Networks. , 0, , 73-103.		0