

Jose Capmany

List of Publications by Year in descending order

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479
papers

14,627
citations

36203

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23472

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483
all docs

483
docs citations

483
times ranked

5830
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave photonics combines two worlds. <i>Nature Photonics</i> , 2007, 1, 319-330.	15.6	2,257
2	A tutorial on microwave photonic filters. <i>Journal of Lightwave Technology</i> , 2006, 24, 201-229.	2.7	877
3	Integrated microwave photonics. <i>Nature Photonics</i> , 2019, 13, 80-90.	15.6	722
4	Integrated microwave photonics. <i>Laser and Photonics Reviews</i> , 2013, 7, 506-538.	4.4	614
5	Programmable photonic circuits. <i>Nature</i> , 2020, 586, 207-216.	13.7	598
6	Microwave Photonic Signal Processing. <i>Journal of Lightwave Technology</i> , 2013, 31, 571-586.	2.7	494
7	Reconfigurable Radio Access Networks Using Multicore Fibers. <i>IEEE Journal of Quantum Electronics</i> , 2016, 52, 1-7.	1.0	379
8	Discrete-time optical Processing of microwave signals. <i>Journal of Lightwave Technology</i> , 2005, 23, 702-723.	2.7	337
9	Multipurpose silicon photonics signal processor core. <i>Nature Communications</i> , 2017, 8, 636.	5.8	308
10	Photonic microwave tunable single-bandpass filter based on a Mach-Zehnder interferometer. <i>Journal of Lightwave Technology</i> , 2006, 24, 2500-2509.	2.7	254
11	A monolithic integrated photonic microwave filter. <i>Nature Photonics</i> , 2017, 11, 124-129.	15.6	193
12	New and flexible fiber-optic delay-line filters using chirped Bragg gratings and laser arrays. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1999, 47, 1321-1326.	2.9	183
13	Integrable microwave filter based on a photonic crystal delay line. <i>Nature Communications</i> , 2012, 3, 1075.	5.8	154
14	Optical UWB pulse generator using an N tap microwave photonic filter and phase inversion adaptable to different pulse modulation formats. <i>Optics Express</i> , 2009, 17, 5023.	1.7	130
15	The programmable processor. <i>Nature Photonics</i> , 2016, 10, 6-8.	15.6	129
16	Microwave photonic filters with negative coefficients based on phase inversion in an electro-optic modulator. <i>Optics Letters</i> , 2003, 28, 1415.	1.7	127
17	Iterative solution to the Gel'Fand-Levitan-Marchenko coupled equations and application to synthesis of fiber gratings. <i>IEEE Journal of Quantum Electronics</i> , 1996, 32, 2078-2084.	1.0	126
18	Broadband true time delay for microwave signal processing, using slow light based on stimulated Brillouin scattering in optical fibers. <i>Optics Express</i> , 2010, 18, 22599.	1.7	115

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19	Ultra-fast quantum randomness generation by accelerated phase diffusion in a pulsed laser diode. Optics Express, 2014, 22, 1645.	1.7	114
20	Reconfigurable lattice mesh designs for programmable photonic processors. Optics Express, 2016, 24, 12093.	1.7	108
21	Experimental demonstration of fibre-optic delay line filters with negative coefficients. Electronics Letters, 1995, 31, 1095-1096.	0.5	100
22	Modeling and design of arrayed waveguide gratings. Journal of Lightwave Technology, 2002, 20, 661-674.	2.7	100
23	Microwave Photonics for Optical Sensors. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 327-339.	1.9	98
24	Wideband 360° microwave photonic phase shifter based on slow light in semiconductor optical amplifiers. Optics Express, 2010, 18, 6156.	1.7	97
25	Design of apodized linearly chirped fiber gratings for dispersion compensation. Journal of Lightwave Technology, 1996, 14, 2581-2588.	2.7	96
26	Microwave Photonics Applications of Multicore Fibers. IEEE Photonics Journal, 2012, 4, 877-888.	1.0	95
27	Variable delay line for phased-array antenna based on a chirped fiber grating. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 1352-1360.	2.9	93
28	Integrated optoelectronic oscillator. Optics Express, 2018, 26, 12257.	1.7	87
29	Quantum entropy source on an InP photonic integrated circuit for random number generation. Optica, 2016, 3, 989.	4.8	84
30	RF Engineering Meets Optoelectronics: Progress in Integrated Microwave Photonics. IEEE Microwave Magazine, 2015, 16, 28-45.	0.7	83
31	Recent advances in optoelectronic oscillators. Advanced Photonics, 2020, 2, 1.	6.2	83
32	Observation of parity-time symmetry in microwave photonics. Light: Science and Applications, 2018, 7, 38.	7.7	82
33	Demonstration of incoherent microwave photonic filters with all-optical complex coefficients. IEEE Photonics Technology Letters, 2006, 18, 1744-1746.	1.3	81
34	Tunable all-optical negative multitap microwave filters based on uniform fiber Bragg gratings. Optics Letters, 2003, 28, 1308.	1.7	79
35	Multipurpose self-configuration of programmable photonic circuits. Nature Communications, 2020, 11, 6359.	5.8	78
36	Space-quest, experiments with quantum entanglement in space. Europhysics News, 2009, 40, 26-29.	0.1	77

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37	Field-programmable photonic arrays. <i>Optics Express</i> , 2018, 26, 27265.	1.7	72
38	A new transfer matrix formalism for the analysis of fiber ring resonators: compound coupled structures for FDMA demultiplexing. <i>Journal of Lightwave Technology</i> , 1990, 8, 1904-1919.	2.7	71
39	Widely Tunable Microwave Photonic Notch Filter Based on Slow and Fast Light Effects. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 167-169.	1.3	69
40	Subwavelength grating enabled on-chip ultra-compact optical true time delay line. <i>Scientific Reports</i> , 2016, 6, 30235.	1.6	69
41	Microwave Photonics: Current challenges towards widespread application. <i>Optics Express</i> , 2013, 21, 22862.	1.7	67
42	Optical microwave filter based on spectral slicing by use of arrayed waveguide gratings. <i>Optics Letters</i> , 2003, 28, 1802.	1.7	65
43	Toward Monolithic Integration of OEOs: From Systems to Chips. <i>Journal of Lightwave Technology</i> , 2018, 36, 4565-4582.	2.7	64
44	Chirped fibre Bragg gratings for phased-array antennas. <i>Electronics Letters</i> , 1997, 33, 545.	0.5	61
45	Tunable radio-frequency photonic filter based on an actively mode-locked fiber laser. <i>Optics Letters</i> , 2006, 31, 709.	1.7	60
46	Multi-tap complex-coefficient incoherent microwave photonic filters based on optical single-sideband modulation and narrow band optical filtering. <i>Optics Express</i> , 2008, 16, 295.	1.7	60
47	Programmable multifunctional integrated nanophotonics. <i>Nanophotonics</i> , 2018, 7, 1351-1371.	2.9	60
48	Transmission bistability in a double-coupler fiber ring resonator. <i>Optics Letters</i> , 1991, 16, 907.	1.7	58
49	Long fiber Bragg grating sensor interrogation using discrete-time microwave photonic filtering techniques. <i>Optics Express</i> , 2013, 21, 28175.	1.7	56
50	Microwave phase shifter with controllable power response based on slow- and fast-light effects in semiconductor optical amplifiers. <i>Optics Letters</i> , 2009, 34, 929.	1.7	54
51	Broad-band tunable microwave transversal notch filter based on tunable uniform fiber Bragg gratings as slicing filters. <i>IEEE Photonics Technology Letters</i> , 2001, 13, 726-728.	1.3	53
52	Automatic tunable and reconfigurable fiberoptic microwave filters based on a broadband optical source sliced by uniform fiber Bragg gratings. <i>Optics Express</i> , 2002, 10, 1291.	1.7	53
53	Principles, fundamentals, and applications of programmable integrated photonics. <i>Advances in Optics and Photonics</i> , 2020, 12, 709.	12.1	53
54	Transverse Strain Measurements Using the Birefringence Effect in Fiber Bragg Gratings. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 966-968.	1.3	52

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55	Tunable complex-valued multi-tap microwave photonic filter based on single silicon-on-insulator microring resonator. <i>Optics Express</i> , 2011, 19, 12402.	1.7	52
56	Microwave photonic filters using low-cost sources featuring tunability, reconfigurability and negative coefficients. <i>Optics Express</i> , 2005, 13, 1412.	1.7	51
57	Apodized coupled resonator waveguides. <i>Optics Express</i> , 2007, 15, 10196.	1.7	51
58	Single-Bandpass Microwave Photonic Filter With Tuning and Reconfiguration Capabilities. <i>Journal of Lightwave Technology</i> , 2008, 26, 2663-2670.	2.7	51
59	Fibre optic microwave and millimetre-wave filter with high density sampling and very high sidelobe suppression using subnanometre optical spectrum slicing. <i>Electronics Letters</i> , 1999, 35, 494.	0.5	49
60	Multitap Complex-Coefficient Incoherent Microwave Photonic Filters Based on Stimulated Brillouin Scattering. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 1194-1196.	1.3	47
61	Fully tunable 360° microwave photonic phase shifter based on a single semiconductor optical amplifier. <i>Optics Express</i> , 2011, 19, 17421.	1.7	47
62	Dynamic Microwave Photonic Filter Using Separate Carrier Tuning Based on Stimulated Brillouin Scattering in Fibers. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1753-1755.	1.3	45
63	Synthesis of fiber-optic delay line filters. <i>Journal of Lightwave Technology</i> , 1995, 13, 2003-2012.	2.7	44
64	Fibre optic tunable transversal filter using laser array and linearly chirped fibre grating. <i>Electronics Letters</i> , 1998, 34, 1684.	0.5	44
65	1 Tb/s·km Multimode fiber link combining WDM transmission and low-linewidth lasers. <i>Optics Express</i> , 2008, 16, 8033.	1.7	44
66	Scalable analysis for arbitrary photonic integrated waveguide meshes. <i>Optica</i> , 2019, 6, 19.	4.8	44
67	Multiwavelength single sideband modulation for WDM radio-over-fiber systems using a fiber grating array tandem device. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 471-473.	1.3	42
68	Integrated Microwave Photonics for Radio Access Networks. <i>Journal of Lightwave Technology</i> , 2014, 32, 2849-2861.	2.7	40
69	Analysis of a microwave time delay line based on a perturbed uniform fiber Bragg grating operating at constant wavelength. <i>Journal of Lightwave Technology</i> , 2000, 18, 430-436.	2.7	39
70	Software-defined reconfigurable microwave photonics processor. <i>Optics Express</i> , 2015, 23, 14640.	1.7	39
71	Toward Programmable Microwave Photonics Processors. <i>Journal of Lightwave Technology</i> , 2018, 36, 519-532.	2.7	39
72	Harnessing slow light. <i>Nature Photonics</i> , 2011, 5, 731-733.	15.6	38

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73	Tunable microwave photonic filter for noise and interference suppression in UMTS base stations. Electronics Letters, 2004, 40, 997.	0.5	37
74	Silicon Photonics Rectangular Universal Interferometer. Laser and Photonics Reviews, 2017, 11, 1700219.	4.4	37
75	Spectral characterization of differential group delay in uniform fiber Bragg gratings. Optics Express, 2005, 13, 9954.	1.7	36
76	High-quality online-reconfigurable microwave photonic transversal filter with positive and negative coefficients. IEEE Photonics Technology Letters, 2005, 17, 2730-2732.	1.3	36
77	Analytical model and figures of merit for filtered Microwave photonic links. Optics Express, 2011, 19, 19758.	1.7	36
78	Silicon graphene waveguide tunable broadband microwave photonics phase shifter. Optics Express, 2014, 22, 8094.	1.7	36
79	Space QUEST mission proposal: experimentally testing decoherence due to gravity. New Journal of Physics, 2018, 20, 063016.	1.2	36
80	Subcarrier multiplexing optical quantum key distribution. Physical Review A, 2006, 73, .	1.0	35
81	Microwave Photonics Filtering Technique for Interrogating a Very-Weak Fiber Bragg Grating Cascade Sensor. IEEE Photonics Journal, 2014, 6, 1-10.	1.0	35
82	Transfer function of multimode fiber links using an electric field propagation model: Application to Radio over Fibre Systems. Optics Express, 2006, 14, 9051.	1.7	34
83	Discrete time fiber-optic signal processors using optical amplifiers. Journal of Lightwave Technology, 1994, 12, 106-117.	2.7	33
84	Tunable and reconfigurable microwave filter by use of a Bragg-grating-based acousto-optic superlattice modulator. Optics Letters, 2005, 30, 8.	1.7	33
85	Simultaneous transmission of 20x2 WDM/SCM-QKD and 4 bidirectional classical channels over a PON. Optics Express, 2012, 20, 16358.	1.7	33
86	Quantum model for electro-optical phase modulation. Journal of the Optical Society of America B: Optical Physics, 2010, 27, A119.	0.9	32
87	Highly chirped single-bandpass microwave photonic filter with reconfiguration capabilities. Optics Express, 2011, 19, 4566.	1.7	32
88	Highly selective microwave photonic filters based on active optical recirculating cavity and tuned modulator hybrid structure. Electronics Letters, 2005, 41, 1133.	0.5	31
89	Influence of the Grating Parameters on the Polarization Properties of Fiber Bragg Gratings. Journal of Lightwave Technology, 2009, 27, 1000-1010.	2.7	31
90	Graphene Integrated Microwave Photonics. Journal of Lightwave Technology, 2014, 32, 3785-3796.	2.7	31

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91	An Interrogation Technique of FBG Cascade Sensors Using Wavelength to Radio-Frequency Delay Mapping. Journal of Lightwave Technology, 2015, 33, 2222-2227.	2.7	31
92	Optical bistability and differential amplification in nonlinear fiber resonators. IEEE Journal of Quantum Electronics, 1994, 30, 2578-2588.	1.0	30
93	Generalized Bloch wave analysis for fiber and waveguide gratings. Journal of Lightwave Technology, 1997, 15, 1295-1302.	2.7	30
94	Programmable True Time Delay Lines Using Integrated Waveguide Meshes. Journal of Lightwave Technology, 2018, 36, 4591-4601.	2.7	30
95	Experimental demonstration of subcarrier multiplexed quantum key distribution system. Optics Letters, 2012, 37, 2031.	1.7	29
96	Integrable high order UWB pulse photonic generator based on cross phase modulation in a SOA-MZI. Optics Express, 2013, 21, 22911.	1.7	29
97	Long Weak FBG Sensor Interrogation Using Microwave Photonics Filtering Technique. IEEE Photonics Technology Letters, 2014, 26, 2039-2042.	1.3	29
98	Synthesis of all-optical microwave filters using Mach-Zehnder lattices. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 1458-1462.	2.9	28
99	Auto-routing algorithm for field-programmable photonic gate arrays. Optics Express, 2020, 28, 737.	1.7	28
100	Quantum modelling of electro-optic modulators. Laser and Photonics Reviews, 2011, 5, 750-772.	4.4	27
101	Silicon graphene Bragg gratings. Optics Express, 2014, 22, 5283.	1.7	27
102	Efficient sidelobe suppression by source power apodisation in fibre optic microwave filters composed of linearly chirped fibre grating by laser array. Electronics Letters, 1999, 35, 640.	0.5	26
103	Reconfigurable fiber-optic-based RF filters using current injection in multimode lasers. IEEE Photonics Technology Letters, 2001, 13, 1224-1226.	1.3	26
104	Analysis and design of arrayed waveguide gratings with MMI couplers. Optics Express, 2001, 9, 328.	1.7	26
105	Broadband random optoelectronic oscillator. Nature Communications, 2020, 11, 5724.	5.8	26
106	Programmable Integrated Photonics. , 2020, , .		26
107	On the cascade of incoherent discrete-time microwave photonic filters. Journal of Lightwave Technology, 2006, 24, 2564-2578.	2.7	25
108	High-Q microwave photonic filter with a tuned modulator. Optics Letters, 2005, 30, 2299.	1.7	24

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109	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
110	All silicon waveguide spherical microcavity coupler device. Optics Express, 2011, 19, 3185.	1.7	23
111	Pulse distortion in optical fibers and waveguides with arbitrary chromatic dispersion. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 2523.	0.9	22
112	Microwave photonics and radio-over-fiber research. IEEE Microwave Magazine, 2009, 10, 96-105.	0.7	22
113	Photonic arbitrary waveform generation applicable to multiband UWB communications. Optics Express, 2010, 18, 26259.	1.7	22
114	Integrated InP frequency discriminator for Phase-modulated microwave photonic links. Optics Express, 2013, 21, 3726.	1.7	22
115	Integrated photonic tunable basic units using dual-drive directional couplers. Optics Express, 2019, 27, 38071.	1.7	22
116	Solutions to the synthesis problem of optical delay line filters. Optics Letters, 1995, 20, 2438.	1.7	21
117	Microwave V-I transmission matrix formalism for the analysis of photonic circuits: application to fiber Bragg gratings. Journal of Lightwave Technology, 2003, 21, 3125-3134.	2.7	21
118	Reconfigurable RF Photonic Filter With Negative Coefficients and Flat-Top Resonances Using Phase Inversion in a Newly Designed 2×1 Integrated Mach-Zehnder Modulator. IEEE Photonics Technology Letters, 2004, 16, 2126-2128.	1.3	21
119	Advanced Subcarrier Multiplexed Label Swapping in Optical Packet Switching Nodes for Next Generation Internet Networks. Journal of Lightwave Technology, 2009, 27, 655-669.	2.7	21
120	Investigation of phase-induced intensity noise in amplified fibre-optic recirculating delay line. Electronics Letters, 1993, 29, 346.	0.5	20
121	Reconfigurable fiber-optic delay line filters incorporating electrooptic and electroabsorption modulators. IEEE Photonics Technology Letters, 1999, 11, 1174-1176.	1.3	20
122	Tunable dispersion device based on a tapered fiber Bragg grating and nonuniform magnetic fields. IEEE Photonics Technology Letters, 2003, 15, 951-953.	1.3	20
123	Broadband microwave photonic fully tunable filter using a single heterogeneously integrated III-V/SOI-microdisk-based phase shifter. Optics Express, 2012, 20, 10796.	1.7	20
124	On the use of tapered linearly chirped gratings as dispersion-induced distortion equalizers in SCM systems. Journal of Lightwave Technology, 1997, 15, 179-187.	2.7	19
125	Experimental demonstration of parallel fiber-optic-based RF filtering using WDM techniques. IEEE Photonics Technology Letters, 2000, 12, 77-78.	1.3	19
126	Modal noise impact in Radio over Fiber multimode fiber links. Optics Express, 2008, 16, 121.	1.7	19

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127	Reconfigurable Photonic Microwave Filter Based on Four-Wave Mixing. IEEE Photonics Journal, 2012, 4, 759-764.	1.0	19
128	Silicon Graphene Reconfigurable CROWS and SCISSORS. IEEE Photonics Journal, 2015, 7, 1-9.	1.0	19
129	Silicon nitride programmable photonic processor with folded heaters. Optics Express, 2021, 29, 9043.	1.7	19
130	Optical programmable transversal filters using fibre amplifiers. Electronics Letters, 1992, 28, 1245.	0.5	18
131	Analytical and numerical analysis of phase and amplitude errors in the performance of arrayed waveguide gratings. IEEE Journal of Selected Topics in Quantum Electronics, 2002, 8, 1130-1141.	1.9	18
132	Symmetric reconfigurable capacity assignment in a bidirectional DWDM access network. Optics Express, 2007, 15, 16781.	1.7	18
133	Fibre-optic delay line filter synthesis using a modified Pad�� method. Electronics Letters, 1995, 31, 479-480.	0.5	17
134	Photonic processing of microwave signals. IEE Proceedings: Optoelectronics, 2005, 152, 299-320.	0.8	17
135	Microwave photonic filters with arbitrary positive and negative coefficients using multiple phase inversion in SOA based XGM wavelength converter. Electronics Letters, 2005, 41, 921.	0.5	17
136	Continuous tuning of photonic transversal filter based on the modification of tapped weights. IEEE Photonics Technology Letters, 2006, 18, 1594-1596.	1.3	17
137	Subcarrier multiplexing tolerant dispersion transmission system employing optical broadband sources. Optics Express, 2009, 17, 4740.	1.7	17
138	Microwave Photonic Filtering for Interrogating FBG-Based Multicore Fiber Curvature Sensor. IEEE Photonics Technology Letters, 2017, 29, 1707-1710.	1.3	17
139	Optical Spectral Slicing Based Reconfigurable and Tunable Microwave Photonic Filter. Journal of Lightwave Technology, 2020, 38, 5492-5499.	2.7	17
140	Design of fibre grating dispersion compensators using a novel iterative solution to the Gel'fand-Levitan-Marchenko coupled equations. Electronics Letters, 1996, 32, 918.	0.5	16
141	Experimental demonstration of tunability and transfer function reconfiguration in fibre-optic microwave filters composed of linearly chirped fibre grating fed by laser array. Electronics Letters, 1998, 34, 2262.	0.5	16
142	Tunable chirped fibre Bragg grating device controlled by variable magnetic fields. Electronics Letters, 2002, 38, 118.	0.5	16
143	Modeling optical fiber space division multiplexed quantum key distribution systems. Optics Express, 2019, 27, 7047.	1.7	16
144	Controlling Microwave Signals by Means of Slow and Fast Light Effects in SOA-EA Structures. IEEE Photonics Technology Letters, 2007, 19, 1589-1591.	1.3	15

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145	The longitudinal offset technique for apodization of coupled resonator optical waveguide devices: concept and fabrication tolerance analysis. Optics Express, 2009, 17, 21050.	1.7	15
146	Transmission and group-delay characterization of coupled resonator optical waveguides apodized through the longitudinal offset technique. Optics Letters, 2011, 36, 136.	1.7	15
147	Analytical formulation of directly modulated OOFDM signals transmitted over an IM/DD dispersive link. Optics Express, 2013, 21, 7651.	1.7	15
148	On-chip optical true time delay lines based on subwavelength grating waveguides. Optics Letters, 2021, 46, 1405.	1.7	15
149	Formula for two-carrier intermodulation distortion in wavelength converted subcarrier multiplexed signals via cross gain modulation. IEEE Photonics Technology Letters, 2000, 12, 278-280.	1.3	14
150	Optical mixing of microwave signals in a nonlinear semiconductor laser amplifier modulator. Optics Express, 2002, 10, 183.	1.7	14
151	Advanced Optical Processing of Microwave Signals. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.0	14
152	Systems measurements of $2/\text{spl times}/2$ poled fiber switch. IEEE Photonics Technology Letters, 2005, 17, 2571-2573.	1.3	14
153	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.	1.3	14
154	Centralized light-source optical access network based on polarization multiplexing. Optics Express, 2010, 18, 4240.	1.7	14
155	Recent Breakthroughs in Microwave Photonics. IEEE Photonics Journal, 2011, 3, 311-315.	1.0	14
156	Nonlinear dispersion-based incoherent photonic processing for microwave pulse generation with full reconfigurability. Optics Express, 2012, 20, 6728.	1.7	14
157	Ultracompact electro-optic phase modulator based on III-V-on-silicon microdisk resonator. Optics Letters, 2012, 37, 2379.	1.7	14
158	System performance enhancement with pre-distorted OOFDM signal waveforms in DM/DD systems. Optics Express, 2014, 22, 7269.	1.7	14
159	Optical equalisation of dispersion-induced distortion in subcarrier systems using tapered linearly chirped gratings. Electronics Letters, 1996, 32, 236.	0.5	14
160	Wavelength division multiplexing all-fiber hybrid devices based on Fabry-Perot's and gratings. Journal of Lightwave Technology, 1999, 17, 1241-1247.	2.7	13
161	A single bandpass tunable photonic transversal filter based on a broadband optical source and a mach-zehnder interferometer. , 0, , .		13
162	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.	1.3	13

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163	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
164	Figures of merit for self-beating filtered microwave photonic systems. <i>Optics Express</i> , 2016, 24, 10087.	1.7	13
165	Optical Implementation of 2×2 Universal Unitary Matrix Transformations. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000473.	4.4	13
166	Direct form I fiber-optic discrete-time signal processors using optical amplifiers and embedded Mach-Zehnder structures. <i>IEEE Photonics Technology Letters</i> , 1993, 5, 842-844.	1.3	12
167	Amplified double coupler fiber-optic delay line filter. <i>IEEE Photonics Technology Letters</i> , 1995, 7, 75-77.	1.3	12
168	Dynamic optical transversal filters based on a tunable dispersion fiber Bragg grating. , 0, , .		12
169	Flexible Monocycle UWB Generation for Reconfigurable Access Networks. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 878-880.	1.3	12
170	Radio over fiber transceiver employing phase modulation of an optical broadband source. <i>Optics Express</i> , 2010, 18, 21750.	1.7	12
171	Microwave Photonics Parallel Quantum Key Distribution. <i>IEEE Photonics Journal</i> , 2012, 4, 931-942.	1.0	12
172	Fiber-optic delay-line filters employing fiber loops: signal and noise analysis and experimental characterization. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1995, 12, 2129.	0.8	11
173	Experimental demonstration of phase reconstruction from reflectivity in uniform fibre Bragg gratings using the Wiener-Lee transform. <i>Electronics Letters</i> , 1998, 34, 1344.	0.5	11
174	Multiwavelength optical SSB generation for dispersion mitigation in WDM fibre radio systems using AWG multiplexer. <i>Electronics Letters</i> , 2002, 38, 1194.	0.5	11
175	Effects of fourth-order dispersion in very high-speed optical time-division multiplexed transmission. <i>Optics Letters</i> , 2002, 27, 960.	1.7	11
176	Fiber-Bragg-grating-based device for payload and label separation in highly packed subcarrier-multiplexed optical label swapping. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 2445-2447.	1.3	11
177	Tunable microwave photonic filter free from baseband and carrier suppression effect not requiring single sideband modulation using a Mach-Zehnder configuration. <i>Optics Express</i> , 2006, 14, 7960.	1.7	11
178	Transverse force sensor exploiting the birefringence effect in uniform fibre Bragg gratings. , 2007, , .		11
179	An amplified coarse wavelength division multiplexing self-referencing sensor network based on phase-shifted FBGs in transmissive configuration. <i>Measurement Science and Technology</i> , 2009, 20, 034017.	1.4	11
180	Impact of Third-Order Intermodulation on the Performance of Subcarrier Multiplexed Quantum Key Distribution. <i>Journal of Lightwave Technology</i> , 2011, 29, 3061-3069.	2.7	11

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181	Fast optical source for quantum key distribution based on semiconductor optical amplifiers. Optics Express, 2011, 19, 3825.	1.7	11
182	MWP phase shifters integrated in PbS-SU8 waveguides. Optics Express, 2015, 23, 14351.	1.7	11
183	Optical pulse sequence transmission through single-mode fibers: interference signal analysis. Journal of Lightwave Technology, 1991, 9, 27-36.	2.7	10
184	Fibre optic bandpass filter with subpicometre bandwidth using a fibre grating and two fibre Fabry-Perot filters. Electronics Letters, 1997, 33, 1970.	0.5	10
185	Analysis of the backreflected signal in an all-fiber bandpass Bragg transmission filter. IEEE Photonics Technology Letters, 1998, 10, 1124-1126.	1.3	10
186	Highly tunable optically switched time delay line for transversal filtering. Electronics Letters, 2003, 39, 1799.	0.5	10
187	Analysis of the harmonic and intermodulation distortion in a multimode fiber optic link. Optics Express, 2007, 15, 9366.	1.7	10
188	Highly Chirped Reconfigurable Microwave Photonic Filter. IEEE Photonics Technology Letters, 2011, 23, 1192-1194.	1.3	10
189	Optical Arbitrary Waveform Generator Using Incoherent Microwave Photonic Filtering. IEEE Photonics Technology Letters, 2011, 23, 618-620.	1.3	10
190	Dispersion Supported BB84 Quantum Key Distribution Using Phase Modulated Light. IEEE Photonics Journal, 2011, 3, 433-440.	1.0	10
191	Colloidal Quantum Dots-PMMA Waveguides as Integrable Microwave Photonic Phase Shifters. IEEE Photonics Technology Letters, 2014, 26, 402-404.	1.3	10
192	Multiband-UWB Signals Generation Based on Incoherent Microwave Photonic Filters. IEEE Photonics Technology Letters, 2014, 26, 142-145.	1.3	10
193	Optical differential amplification in nonlinear fibre ring resonator. Electronics Letters, 1991, 27, 1810.	0.5	9
194	Double-cavity fiber structures as all optical timing extraction circuits for gigabit networks. Fiber and Integrated Optics, 1993, 12, 247-255.	1.7	9
195	Array factor of a phased array antenna steered by a chirped fiber grating beamformer. IEEE Photonics Technology Letters, 1998, 10, 1153-1155.	1.3	9
196	Impact of fiber Bragg grating based OADM outband dispersion in DWDM-SCM systems. IEEE Photonics Technology Letters, 2002, 14, 567-569.	1.3	9
197	Arrayed waveguide Sagnac interferometer. Optics Letters, 2003, 28, 197.	1.7	9
198	Transfer function of analog fiber-optic systems driven by Fabry-Perot lasers. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2099.	0.9	9

#	ARTICLE	IF	CITATIONS
199	Photon nonlinear mixing in subcarrier multiplexed quantum key distribution systems. Optics Express, 2009, 17, 6457.	1.7	9
200	OFDM-IDMA for Uplink Transmission in Passive Optical Networks. IEEE Photonics Journal, 2012, 4, 1-13.	1.0	9
201	Comprehensive Impairment and Performance Description of Directly Modulated/Detected OOFDM Systems. Journal of Lightwave Technology, 2013, 31, 3277-3288.	2.7	9
202	UWB Pulses Generation and Modulation Through a Customized FBG-Based Photonic Device. IEEE Photonics Technology Letters, 2016, 28, 2319-2322.	1.3	9
203	Experimental Demonstration of 360° Tunable RF Phase Shift Using Slow and Fast Light Effects. , 2009, , .		9
204	A novel highly selective and tunable optical bandpass filter using a fiber grating and a fiber Fabry-Pérot. Microwave and Optical Technology Letters, 1994, 7, 499-501.	0.9	8
205	Optimum design and performance evaluation of an all-fiber add-drop multiplexer based on a grating coupler. IEEE Journal of Selected Topics in Quantum Electronics, 1999, 5, 1392-1399.	1.9	8
206	Wavelength conversion of SCM signals using semiconductor optical amplifiers: theory, experiments, and applications. Journal of Lightwave Technology, 2003, 21, 961-972.	2.7	8
207	WDM-SSB generation and dispersion mitigation in radio over fiber systems with improved performance using an AWG multiplexer with flat top resonances. , 0, , .		8
208	A New Model of Bandwidth Growth Estimation Based on the Gompertz Curve: Application to Optical Access Networks. Journal of Lightwave Technology, 2004, 22, 2460-2468.	2.7	8
209	Quantum model for electro-optical amplitude modulation. Optics Express, 2010, 18, 25127.	1.7	8
210	Evolution of fabless generic photonic integration. , 2013, , .		8
211	Chirped Waveform Generation With Envelope Reconfigurability for Pulse Compression Radar. IEEE Photonics Technology Letters, 2016, 28, 748-751.	1.3	8
212	Experimental characterization of XGM-SOA-based wavelength converted SCM systems. IEEE Photonics Technology Letters, 2003, 15, 114-116.	1.3	7
213	Multiservice Hybrid Radio Over Fiber and Baseband AWG-PON Using CWDM and Spectral Periodicity of Arrayed Waveguide Gratings. IEEE Photonics Technology Letters, 2004, 16, 599-601.	1.3	7
214	RF transfer function of analogue multimode fiber links using an electric field propagation model: Application to Broadband Radio over fiber systems.. , 2006, , .		7
215	Noise Spectrum Characterization of Slow Light SOA-Based Microwave Photonic Phase Shifters. IEEE Photonics Technology Letters, 2010, 22, 1005-1007.	1.3	7
216	Microwave photonic filtering scheme for BB84 Subcarrier Multiplexed Quantum Key Distribution. , 2010, , .		7

#	ARTICLE	IF	CITATIONS
217	Intermodulation and harmonic distortion in slow light Microwave Photonic phase shifters based on Coherent Population Oscillations in SOAs. Optics Express, 2010, 18, 25677.	1.7	7
218	The Influence of Optical Filtering on the Noise Performance of Microwave Photonic Phase Shifters Based on SOAs. Journal of Lightwave Technology, 2011, 29, 1746-1752.	2.7	7
219	Spectral decomposition of single-tone-driven quantum phase modulation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 035506.	0.6	7
220	Phase-modulated radio over fiber multimode links. Optics Express, 2012, 20, 11710.	1.7	7
221	Scalable UWB photonic generator based on the combination of doublet pulses. Optics Express, 2014, 22, 15346.	1.7	7
222	Incoherent Photonic Processing for Chirped Microwave Pulse Generation. IEEE Photonics Technology Letters, 2017, 29, 7-10.	1.3	7
223	Novel and significant results on the non-recirculating delay line with a fiber loop. IEEE Photonics Technology Letters, 1995, 7, 1439-1440.	1.3	6
224	Impact of finite laser linewidth on the performance of OFDM networks employing single-cavity Fabry-Perot demultiplexers. Journal of Lightwave Technology, 1995, 13, 290-296.	2.7	6
225	Wavelength Data Rewriter for Centralized-Source Radio-Over-Fiber Access Networks. IEEE Photonics Technology Letters, 2010, 22, 1102-1104.	1.3	6
226	Harmonic distortion in microwave photonic filters. Optics Express, 2012, 20, 8871.	1.7	6
227	Quantum model of light transmission in array waveguide gratings. Optics Express, 2013, 21, 14841.	1.7	6
228	High-order UWB pulses scheme to generate multilevel modulation formats based on incoherent optical sources. Optics Express, 2013, 21, 28914.	1.7	6
229	Soliton transmission control by super-Gaussian filters. Optics Letters, 1996, 21, 1894.	1.7	5
230	Autocorrelation pulse distortion in optical fiber CDMA systems employing ladder networks. Journal of Lightwave Technology, 1999, 17, 570-578.	2.7	5
231	Applications of Fiber Bragg Gratings to Microwave Photonics (Invited Paper). Fiber and Integrated Optics, 2000, 19, 483-494.	1.7	5
232	Measurement issues in microwave photonics. , 2004, , .		5
233	Microwave signal processing using optics. , 2005, , .		5
234	Tunable complex-coefficient incoherent Microwave Photonic Filters based on optical single-sideband modulation and narrow-band optical filtering. , 2007, , .		5

#	ARTICLE	IF	CITATIONS
235	Synthesis of 1D Bragg gratings by a layer-aggregation method. Optics Letters, 2007, 32, 2312.	1.7	5
236	Accurate Control of Active Recirculating Structures for Microwave Photonics Signal Filtering. Journal of Lightwave Technology, 2008, 26, 1626-1631.	2.7	5
237	Analysis of Passive Optical Networks for Subcarrier Multiplexed Quantum Key Distribution. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3220-3228.	2.9	5
238	Optimum design for BB84 quantum key distribution in tree-type passive optical networks. Journal of the Optical Society of America B: Optical Physics, 2010, 27, A146.	0.9	5
239	Experimental demonstration of a novel configuration for BB84 frequency coded QKD. , 2011, , .		5
240	UWB Monocycle Generator Based on the Non-Linear Effects of an SOA-Integrated Structure. IEEE Photonics Technology Letters, 2014, 26, 690-693.	1.3	5
241	Integrated microwave photonics: State of the art and future trends. , 2014, , .		5
242	Integrated 16-ps Pulse Generator Based on a Reflective SOA-EAM for UWB Schemes. IEEE Photonics Technology Letters, 2016, 28, 2180-2182.	1.3	5
243	5th-Generation Mobile Access Networks Assisted by Integrated Microwave Photonics. , 2019, , .		5
244	Modeling amplified arbitrary filtered microwave photonic links and systems. Optics Express, 2021, 29, 14757.	1.7	5
245	Experimental demonstration of optical prefiltering in WDM-SCM optical networks employing ultraselective optical bandpass filter. Electronics Letters, 1999, 35, 318.	0.5	5
246	High-performance low-cost online-reconfigurable microwave photonic transversal filter. , 2005, , .		5
247	Time domain analysis of a direct-coupled fiber ring resonator. Optics Communications, 1992, 92, 283-290.	1.0	4
248	Low threshold optical differential amplification using a fibre amplifier in a nonlinear ring resonator. Electronics Letters, 1993, 29, 1249.	0.5	4
249	Optical equalisation to combat fibre induced distortion in SCM systems. Electronics Letters, 1994, 30, 1703-1704.	0.5	4
250	Amplified double recirculating delay line using a 3 \bar{A} –3 coupler. Journal of Lightwave Technology, 1994, 12, 1136-1143.	2.7	4
251	Performance parameters and applications of a modified amplified recirculating delay line. Fiber and Integrated Optics, 1995, 14, 347-358.	1.7	4
252	Comment on "New topologies of fiber-optic delay-line filters" by Kamal K. Goel. IEEE Photonics Technology Letters, 1995, 7, 822-823.	1.3	4

#	ARTICLE	IF	CITATIONS
253	Transfer functions of double- and multiple-cavity Fabry-Perot filters driven by Lorentzian sources. Applied Optics, 1996, 35, 7108.	2.1	4
254	Reduction of dispersion-induced intensity noise in subcarrier systems by using tapered linearly chirped gratings. Electronics Letters, 1996, 32, 1605.	0.5	4
255	Experimental demonstration of an ultraselective and tunable optical bandpass filter using a fibre grating and a Fabry-Perot. Electronics Letters, 1997, 33, 669.	0.5	4
256	Reduction of dispersion induced composite triple beat and second-order intermodulation in subcarrier multiplexed systems using fiber grating equalizers. IEEE Photonics Technology Letters, 1997, 9, 1280-1282.	1.3	4
257	Synthesis of all-pass filters by codirectional grating couplers. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1997, 14, 2173.	0.8	4
258	Photonic excess noise in a p-i-n photodetector. Optics Communications, 1997, 135, 37-40.	1.0	4
259	Fully automatic simultaneous fiber grating amplitude and group delay characterization. Microwave and Optical Technology Letters, 1997, 14, 373-375.	0.9	4
260	Introduction to the special issue on arrayed grating routers/wdm mux/demuxs and related applications/uses. IEEE Journal of Selected Topics in Quantum Electronics, 2002, 8, 1087-1089.	1.9	4
261	White light sources filtered with fiber Bragg gratings for RF-photonics applications. Optics Communications, 2003, 222, 221-225.	1.0	4
262	Geometrical optimization of the transmission and dispersion properties of arrayed waveguide gratings using two stigmatic point mountings. Optics Express, 2003, 11, 2425.	1.7	4
263	Parallel label generation and rewriting configuration for 10 Gb/s/channel DWDM-SCM label swapping using FBG arrays. , 0, , .		4
264	AWG Model Validation Through Measurement of Fabricated Devices. Journal of Lightwave Technology, 2004, 22, 2763-2777.	2.7	4
265	Dimensioning of 10 Gbit/s all-optical packet switched networks based on optical label swapping routers with multistage 2R regeneration. Optics Express, 2006, 14, 10298.	1.7	4
266	Slow and fast light in SOA-EA structures for phased-array antennas. , 2006, , .		4
267	Transmission of high-frequency radio over fibre signals through short and middle reach Multimode Fibre links using a low-linewidth laser. , 2007, , .		4
268	Theoretical Model and Experimental Verification of 25,imes,\$1 Mach-Zehnder EOM With Dispersive Optical Fiber Link Propagation. IEEE Journal of Quantum Electronics, 2008, 44, 165-174.	1.0	4
269	Simultaneous baseband and radio over fiber signal transmission over a 5 km MMF link. , 2008, , .		4
270	Experimental evaluation of the transmission in a low cost SCM/WDM radio over fibre system employing optical broadband sources and interferometric structures. , 2009, , .		4

#	ARTICLE	IF	CITATIONS
271	Harmonic Distortion in Microwave Photonic Phase Shifters Based on Coherent Population Oscillations in SOAs. IEEE Photonics Technology Letters, 2010, 22, 899-901.	1.3	4
272	Label swapper device for spectral amplitude coded optical packet networks monolithically integrated on InP. Optics Express, 2011, 19, 13540.	1.7	4
273	Sagnac loop reflector and arrayed waveguide grating-based multi-wavelength laser monolithically integrated on InP. IET Optoelectronics, 2011, 5, 207-210.	1.8	4
274	Conditional Frequency-Domain Beamsplitters Using Phase Modulators. IEEE Photonics Journal, 2011, 3, 954-967.	1.0	4
275	High-order UWB pulse generation based on a microwave photonic filter using incoherent optical sources. , 2011, , .		4
276	Analog Filtered links: A unifying approach for Microwave Photonic systems. , 2012, , .		4
277	UWB Doublet Generation Employing Cross-Phase Modulation in a Semiconductor Optical Amplifier Machâ€™Zehnder Interferometer. IEEE Photonics Journal, 2013, 5, 7101106-7101106.	1.0	4
278	WDM Optical Access Network for Full-Duplex and Reconfigurable Capacity Assignment Based on PolMUX Technique. Photonics, 2014, 1, 503-515.	0.9	4
279	Programmable RF Receiver Related On-Chip Photonic Processor. IEEE Photonics Journal, 2021, 13, 1-11.	1.0	4
280	Chirped Microwave Photonic Filter with High Frequency Tuning Capability. , 2011, , .		4
281	Modeling optically prefiltered AM subcarrier multiplexed systems. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 2249-2256.	2.9	3
282	BER impairment due to laser linewidth in OFDM-OOK systems using double-cavity Fabry-Perot demultiplexers. Journal of Lightwave Technology, 1996, 14, 641-648.	2.7	3
283	Effects of normal mode losses in an all-fibre wavelength division multiplexer/demultiplexer using Bragg gratings. Electronics Letters, 1997, 33, 1782.	0.5	3
284	New fiber-optic microwave filters with complete tunability and reconfiguration properties using a linearly chirped fiber grating fed by a laser array. , 0, , .		3
285	RIN induced by out-band dispersion in fibre Bragg grating based add-drop multiplexers. Electronics Letters, 1999, 35, 2220.	0.5	3
286	Highly selective Microwave Photonic filters based on new FBGs-EDF recirculating cavities and tuned modulators. , 2005, , .		3
287	Investigation on the Signal Misalignment in Subcarrier Multiplexed Optical Label Swapping Routers: An Experimental Verification. Journal of Lightwave Technology, 2007, 25, 1854-1860.	2.7	3
288	Highly Accurate Synthesis of Fiber and Waveguide Bragg Gratings by an Impedance Reconstruction Layer-Aggregation Method. IEEE Journal of Quantum Electronics, 2007, 43, 889-898.	1.0	3

#	ARTICLE	IF	CITATIONS
289	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
290	Payload-Label Tolerance in Subcarrier Multiplexing Optical Label Switching Routers. IEEE Photonics Technology Letters, 2007, 19, 984-986.	1.3	3
291	Amplified CWDM self-referencing sensor network based on phase-shifted FBGs in transmissive configuration. , 2008, , .		3
292	Realization of Single-Photon Frequency-Domain Qubit Channels Using Phase Modulators. IEEE Photonics Journal, 2012, 4, 2074-2084.	1.0	3
293	Figures of merit for microwave photonic phase shifters based on semiconductor optical amplifiers. Optics Express, 2012, 20, 10519.	1.7	3
294	A microwave photonics transistor. , 2013, , .		3
295	Microwave photonics transistor design equations. , 2014, , .		3
296	Weak fiber Bragg grating cascade sensor interrogation using microwave photonic filtering techniques. , 2014, , .		3
297	A novel MWP proposal for low-coherence interferometry applications. , 2015, , .		3
298	Integrated microwave photonics. , 2016, , .		3
299	Reconfigurable lattice mesh designs for programmable photonic processors and universal couplers. , 2016, , .		3
300	Single-shot incoherent optical processing of microwave signals: opening the path to low cost high performance analog photonics. Science Bulletin, 2017, 62, 652-653.	4.3	3
301	An integrated optoelectronic oscillator. , 2017, , .		3
302	Dual-frequency optoelectronic oscillator incorporating a single cavity and multiband microwave photonic filter. Optics Express, 2021, 29, 14006.	1.7	3
303	All- Optical Microwave Up-Conversion using an Optical Broadband Source and a Mach-Zehnder Interferometer. , 2010, , .		3
304	Optical pulse sequence transmission through monomode fibres under second-and third-order dispersion. Electronics Letters, 1988, 24, 1252.	0.5	3
305	Microwave phase shifter based on fibre Bragg grating. Electronics Letters, 1998, 34, 2051.	0.5	3
306	Programmable Integrated Microwave Photonic Filter using a Modulation Transformer and a Double-Injection Ring Resonator. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
307	Investigation on spectral behaviour of novel direct coupling compound fibre ring resonator. Electronics Letters, 1990, 26, 772.	0.5	2
308	Computer simulation of an all-optical coherent code division multiple-access network. Fiber and Integrated Optics, 1992, 11, 1-24.	1.7	2
309	Crosstalk analysis in optically prefiltered subcarrier multiplexed systems. Electronics Letters, 1993, 29, 2054.	0.5	2
310	Theory of integrated ring resonators using electro-optical couplers. Fiber and Integrated Optics, 1995, 14, 245-263.	1.7	2
311	Impact of apodised linearly chirped fibre gratings on the performance of dispersion-limited subcarrier systems. IEE Proceedings: Optoelectronics, 1998, 145, 117-123.	0.8	2
312	WDM grid tunable filter based on a sampled fibre grating and a FFP. , 0, , .		2
313	Cross-phase wavelength conversion of SCM signals: harmonic and intermodulation distortion analysis. IEEE Photonics Technology Letters, 2001, 13, 723-725.	1.3	2
314	Optical monitoring system for wavelength-routing networks employing array waveguide gratings. Microwave and Optical Technology Letters, 2001, 31, 319-322.	0.9	2
315	Cross talk floor statistical analysis of arrayed waveguide gratings. , 0, , .		2
316	Analysis of superimposed fiber Bragg gratings using the microwave V-I transmission matrix formalism. IEEE Photonics Technology Letters, 2005, 17, 2343-2345.	1.3	2
317	Recent Advances on Optical Label Swapping Techniques: An Approach to the Final Results of IST-LABELS Project. , 2006, , .		2
318	Scalability of 10â€Gbitâˆs SCM optical label swapping networks featuring 2R multistage intra-node regeneration. Electronics Letters, 2006, 42, 712.	0.5	2
319	Flexible Capacity Assignment in a Multiwavelength Radio Over Fiber Access Network. , 2007, , .		2
320	Transfer function of radio over fiber multimode fiber optic links considering third-order dispersion. Optics Express, 2007, 15, 10591.	1.7	2
321	1 Tb/s·km WDM transmission over multimode fibre link. , 2008, , .		2
322	New label processing for routing optical packets. , 2008, , .		2
323	Experimental analysis of temperature dependence in multimode optical fiber links for radio-over-fiber applications. , 2009, , .		2
324	PDL and DGD Reduction in Bragg Gratings Using Twisted Fibers for the Inscription. IEEE Photonics Technology Letters, 2009, 21, 1689-1691.	1.3	2

#	ARTICLE	IF	CITATIONS
325	Subcarrier multiplexed optical label swapping networks. IET Optoelectronics, 2010, 4, 235-246.	1.8	2
326	Selective Multicast in a Dynamic Wavelength Router for DWDM Converged Wired/Wireless Access Networks. , 2010, , .		2
327	Strategies for P2P connectivity in reconfigurable converged wired/wireless access networks. Optics Express, 2010, 18, 26196.	1.7	2
328	Reconfigurability and tunability of a chirped microwave photonic pulse generator. , 2010, , .		2
329	Bidirectional transmission of digital signals in a WDM-PolMUX optical access network. , 2010, , .		2
330	Optical single sideband transmitter using phase modulation and a photonic integrated filter. , 2013, , .		2
331	Optical filtering in directly modulated/detected OOFDM systems. Optics Express, 2013, 21, 30591.	1.7	2
332	Very high Q-factor microwave photonic FIR filter based on a ultralong FBG cascade. , 2014, , .		2
333	Experimental photonic generation of chirped pulses using nonlinear dispersion-based incoherent processing. Optics Express, 2015, 23, 13634.	1.7	2
334	Scalable High-Order UWB Pulse Generation Employing an FBG-Based Photonic Superstructure. IEEE Photonics Technology Letters, 2015, 27, 2146-2149.	1.3	2
335	High-Order UWB Pulses Generation Adaptable to Bi-Phase Modulation. IEEE Photonics Technology Letters, 2016, 28, 2371-2374.	1.3	2
336	Electro-Refraction Modulation Predictions for Silicon Graphene Waveguides in the 1540â€“1560 nm Region. IEEE Photonics Journal, 2016, 8, 1-13.	1.0	2
337	Reversible Gates for Programmable Photonics. , 2019, , .		2
338	Field-Programmable Photonic Array for multipurpose microwave photonic applications. , 2019, , .		2
339	High-frequency radio over fibre QPSK transmission through a 5 km multimode fibre link. , 2007, , .		2
340	Suppression of Harmonic and Intermodulation Distortion for SCM-WDM RoF Systems based on the Spectral Slicing of Optical Broadband Sources. , 2010, , .		2
341	Nonlinear distortion analysis in optically prefiltered SCM systems. Microwave and Optical Technology Letters, 1995, 9, 170-172.	0.9	1
342	Impact of the extinction ratio on the BER performance in directly detected OFDM systems. IEEE Photonics Technology Letters, 1996, 8, 136-138.	1.3	1

#	ARTICLE	IF	CITATIONS
343	Applications of fibre Bragg gratings to microwave photonics. , 1999, , .		1
344	Automatic and accurate low cost high frequency characterisation technique of chirped fibre Bragg gratings. , 0, , .		1
345	Full distortion induced by dispersion evaluation and optical bandwidth constraining of fiber Bragg grating demultiplexers over analogue SCM systems. Optics Express, 2002, 10, 1526.	1.7	1
346	Penalty Evaluation Due to the Cascade and Frequency Misalignment of AWG-Based Optical Add-Drop Multiplexers in 10 Gb/s Metro Core Ring Networks. Fiber and Integrated Optics, 2004, 23, 59-65.	1.7	1
347	Metropolitan Optical Networks: When to Change to DWDM. Fiber and Integrated Optics, 2004, 23, 109-120.	1.7	1
348	Microwave photonic signal processing for wireless systems and optical Internet: overview of the current achievements of the IST-LABELS project. , 0, , .		1
349	All-optical microwave interference mitigation filter. , 0, , .		1
350	Computer-controlled reconfigurable Microwave Photonic filters featuring high-quality windowing profiles. , 2005, , .		1
351	The cross waveguide grating: proposal, theory and applications. Optics Express, 2005, 13, 2961.	1.7	1
352	Phased-array antennas employing slow and fast light in alternating amplifying and absorbing sections. , 2006, , .		1
353	Active recirculating structures for UMTS noise and interference suppression. , 2006, , .		1
354	Use of the polarization properties of fiber Bragg gratings for sensing purposes. , 2006, 6189, 516.		1
355	Experimental demonstration of the continuous tuning of microwave photonic filters by sinusoidal modulation of the filter coefficients. , 2006, , .		1
356	Incoherent microwave photonic filters with complex coefficients using stimulated Brillouin scattering. , 2006, , .		1
357	Bidirectional Dynamic Capacity Allocation by Using Optically Switched Foldback AWG. , 2007, , .		1
358	Relationship Between Chromatic Dispersion and Differential Group Delay in Weakly Birefringent Fiber Gratings. IEEE Photonics Technology Letters, 2008, 20, 437-439.	1.3	1
359	Full passive re-use of autocorrelation signal in all optical code based label optical packet networks. , 2008, , .		1
360	Hybrid Packet/Circuit SCM Optical Label Switching Node With Priority Based Routing Capabilities. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
361	Microwave Photonic Signal Processing. , 0 , 191-237.		1
362	Fiber Bragg Grating-Based Architectures for Reconfigurable Services in In-Building Networks. , 2010, , .		1
363	Peer-to-Peer architectures for converged wired/wireless access networks. , 2010, , .		1
364	Price evolution forecasting of fiber components for optical telecommunications. , 2010, , .		1
365	Discretely tunable microwave photonics beamformer based on ring resonators and arrayed waveguide gratings. Proceedings of SPIE, 2010, , .	0.8	1
366	Synthesis of coupled resonator optical waveguides by cavity aggregation. Optics Express, 2010, 18, 1600.	1.7	1
367	True Time Delay on tunable Microwave Photonic Filter based on Stimulated Brillouin Scattering in fibers. , 2010, , .		1
368	Analysis of harmonic distortion involved in microwave photonic filters. , 2011, , .		1
369	Filtered microwave photonic links: models and figures of merit. , 2011, , .		1
370	Third order intermodulation distortion in a 360° microwave photonic phase shifter based on slow light cascaded SOAs. , 2011, , .		1
371	Experimental demonstration of Subcarrier Multiplexed Quantum Key Distribution system feasibility. , 2011, , .		1
372	2π microwave photonic phase shifter based on single semiconductor optical amplifier. , 2011, , .		1
373	Sampled Microwave Photonic delay lines using heterogeneous multicore fibers. , 2012, , .		1
374	Enabling quantum communications through accurate photons polarization control. , 2013, , .		1
375	Integrated microwave photonics for access systems. , 2013, , .		1
376	Siliziumphotonik - Grundbausteine kommerzieller Anwendungen. Optik & Photonik, 2013, 8, 52-55.	0.3	1
377	High order UWB pulses generation based on a scalable phase-to-intensity technique. , 2015, , .		1
378	Integrated microwave photonics: The quest for the universal programmable processor. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
379	Honeycomb lattice meshes for reconfigurable universal microwave photonics processors. Proceedings of SPIE, 2016, , .	0.8	1
380	Real-time Microwave Photonic technique for Low-Coherence Interferometry applications. , 2016, , .		1
381	Programmable Multifunctional Photonics ICs. , 2018, , .		1
382	Breakthrough on high-speed oscillation mode controlling in optoelectronic oscillator. Science Bulletin, 2018, 63, 807-808.	4.3	1
383	Multiple-tap complex-coefficient incoherent microwave photonics filters using phase-shifted fiber Bragg gratings. , 2007, , .		1
384	High performance SCM optical packet switching router for optical circuit, burst and variable length packet processing. , 2007, , .		1
385	Demonstration of Tunable Microwave Photonic Notch Filters Using Slow and Fast Light Effects in Semiconductor Optical Amplifiers. , 2009, , .		1
386	Microwave Photonics Solutions for In-Building Networks Signal Transmission. , 2010, , .		1
387	Towards Programmable Microwave Photonics Processors. , 2017, , .		1
388	Reconfigurable integrated waveguide meshes for photonic signal processing and emerging applications. , 2018, , .		1
389	A new change of phase. Nature Photonics, 2022, 16, 479-480.	15.6	1
390	Analysis of the interference signal arising from the transmission of a pulse sequence through a monomode fibre. Electronics Letters, 1990, 26, 149.	0.5	0
391	Structure induced crosstalk in fibre-optic lattice point sensor arrays. Optics Communications, 1992, 89, 33-36.	1.0	0
392	Sensitivity analysis of tuned front-end receivers for subcarrier multiplexing systems. Microwave and Optical Technology Letters, 1993, 6, 401-403.	0.9	0
393	Optical equalization to combat fiber induced distortions in SCM systems. , 0, , .		0
394	Theoretical and experimental characterization of a double coupler fiber-optic delay line filter employing an optical amplifier. , 0, , .		0
395	An analysis on the effect of the equalizer parameters in a direct-modulation optical communication system employing an all-pass filter to combat chirp and dispersion. Optical and Quantum Electronics, 1995, 27, 267-277.	1.5	0
396	Source phase-induced noise in unbalanced time domain multiplexed sensor networks. Journal of Lightwave Technology, 1995, 13, 1264-1268.	2.7	0

#	ARTICLE	IF	CITATIONS
397	Laser linewidth impairment on the performance of OFDM-FSK systems employing single-cavity Fabry-Perot demultiplexers. IEEE Photonics Technology Letters, 1995, 7, 561-563.	1.3	0
398	Optical bistability in nonlinear fiber resonators driven by laser sources of arbitrary coherence. IEEE Journal of Quantum Electronics, 1995, 31, 172-176.	1.0	0
399	True Time Delay Scheme for Continuous Optical Control of Phased Array Antennas Employing Chirped Fiber Gratings. , 1997, , .		0
400	Full characterization of long periodic superstructure fibre Bragg gratings in multichannel devices. , 0, , .		0
401	Flexible fiber optic delay line filters incorporating electrooptic and electroabsorption modulators. , 0, , .		0
402	Hybrid dynamic photonic switch using fibre Bragg grating and cross-gain modulation based wavelength conversion. Electronics Letters, 1999, 35, 1179.	0.5	0
403	Full low-cost characterization of long periodic superstructure fiber Bragg gratings. Microwave and Optical Technology Letters, 1999, 23, 255-257.	0.9	0
404	"Cross-phase wavelength conversion of scm signals: harmonic and intermodulation distortion analysis". IEEE Photonics Technology Letters, 2001, 13, 1376-1376.	1.3	0
405	All Optical Processing Of Microwave Functions. , 2003, , 375-573.		0
406	Microwave photonics based on fiber Bragg gratings. , 0, , .		0
407	State of the art and future trends of photonic processing techniques for RF filtering. , 0, , .		0
408	All-optical tunable microwave filters with negative multitaps based on uniform fiber Bragg gratings. , 0, , .		0
409	Polarisation independent intensity modulation setup based on serial polarisation diversity arrangement for header rewriting in label swapping networks. Electronics Letters, 2003, 39, 1461.	0.5	0
410	Tunable dispersion devices based on fibre Bragg gratings. , 0, , .		0
411	A new fibre optic sensor independent of temperature variations and fabricated with fibre Bragg gratings. , 2004, , .		0
412	A new interrogation system for a large number of strain sensors using fiber Bragg grating for application in residential buildings. , 2004, , .		0
413	Microwave photonic transversal filter for intermodal dispersion equalisation. Electronics Letters, 2005, 41, 193.	0.5	0
414	Microwave photonic filters with negative coefficients: Fundamentals, advantages and recent advances. , 2005, , .		0

#	ARTICLE	IF	CITATIONS
415	Microwave Photonic Filters with arbitrary number of positive and negative coefficients using multiple phase inversion in a SOA based XGM wavelength converter. , 2005, , .		0
416	Electrooptic poled fibre switch/modulator. , 0, , .		0
417	Novel Optical Direct Detection Scheme for DPSK Signals Using Fibre Bragg Gratings. , 2005, , 601-606.		0
418	Label Processing and Node Implementation in Optical Packet Switching Networks. , 2006, , .		0
419	Optical Single Side Band SCM Header generation and 20Gb/s Payload combination/separation of multiple Label Swapping channels using Fibre Bragg Grating Arrays.. , 2006, , .		0
420	Tunable Microwave Photonic Filter Free from Carrier Suppression Effect with Positive and Negative Coefficients. , 2006, , .		0
421	Demodulation Technique for Transverse Strain FBG Sensor Based on the Measurement of the Polarization Properties. , 2006, , TuE34.		0
422	Simultaneous generation and Ultra-Dense multiplexing (50GHz), of Sub-Carrier Multiplexed Optical Label Swapping channels, using compact Fibre Bragg Grating Arrays.. , 2006, , .		0
423	Wavelength Characterization of Chromatic Dispersion and Differential Group Delay of Fibre Bragg Gratings: Relationship and Applications. , 2006, , .		0
424	Tunable all-optical microwave filter using Cross-Phase Modulation in Semiconductor Optical Amplifier Mach-Zehnder interferometer. , 2006, , .		0
425	Cross Waveguide Grating Experimental Demonstration. , 2006, , .		0
426	Tunable Microwave Photonic Filter Free from Carrier Suppression Effect and Baseband Response not Requiring Single Sideband Modulation. , 2006, , .		0
427	Applications of the Slow and Fast Light Effects in SOA-EA Structures in the Radio Over Fiber Links. , 2007, , .		0
428	Effect of the Grating Parameters on the Polarization Properties of Uniform FBGs. , 2007, , JWA34.		0
429	Determination of the fiber birefringence induced by transversal loads by means of fiber Bragg gratings. Proceedings of SPIE, 2007, , .	0.8	0
430	Routing in Optical Packet Switched Networks Utilizing Microwave Subcarriers. , 2007, , .		0
431	Apodized chirped Coupled Resonator Optical Waveguides. , 2008, , .		0
432	Experimental demonstration of the reduction of PDL and DGD in Fibre Bragg Gratings by using a twisted-fibre for the inscription. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
433	Principal mode coefficients for multimode fibers. , 2008, , .		0
434	Technical program schedule. , 2008, , .		0
435	Optical modulation formats by combination of two time-delayed orthogonally polarized double sideband modulated signals. , 2008, , .		0
436	Controlling the Speed of Light in Semiconductor Waveguides: Physics and Applications. , 2009, , .		0
437	Microwave photonics processing controlling the speed of light in semiconductor waveguides. , 2009, , .		0
438	Slow and fast light effects in semiconductor waveguides for applications in microwave photonics. Proceedings of SPIE, 2009, , .	0.8	0
439	Apodization of coupled resonator optical waveguide devices through a longitudinal offset technique. , 2010, , .		0
440	Harmonic Distortion in Slow Light SOA based Microwave Photonic Phase Shifters. , 2010, , .		0
441	Quantum Blackbox Model for Electro-Optical Phase Modulation. , 2010, , .		0
442	Figures of merit for Microwave Photonic phase shifters based on coherent population oscillation slow and fast light effects. , 2010, , .		0
443	PON topology analysis for subcarrier multiplexed quantum key distribution. , 2010, , .		0
444	On the noise performance of slow light SOA-based microwave photonic phase shifters. , 2010, , .		0
445	Performance metrics evaluation of cascaded SOA based slow light microwave photonic phase shifters. , 2011, , .		0
446	Complex-coefficient microwave photonic tunable filter using slow light silicon-on-insulator-based microring resonator. , 2011, , .		0
447	True time delays and phase shifters based on slow light technologies for microwave photonics applications. , 2011, , .		0
448	Photonic integrated circuits for signal processing in packet-switched networks. , 2011, , .		0
449	Active and passive optical sources for QKD. , 2011, , .		0
450	Recent implementations of fiber and integrated tunable microwave photonics filters. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
451	Integrated microwave photonic dispersive delay line. , 2012, , .		0
452	Integrable microwave photonic phase-shifter based on Colloidal Quantum Dots-PMMA waveguide. , 2013, , .		0
453	Generation of an UWB monocycle employing cross-phase modulation in a SOA-MZ interferometer. , 2013, , .		0
454	Exploring the ultimate performance by tailoring the transmitter parameters in OOFDM systems. , 2013, , .		0
455	Analytical formulation framework for directly modulated/detected OOFDM systems. , 2013, , .		0
456	UWB doublet generation in an integrated semiconductor optical amplifier Mach-Zehnder interferometer. , 2013, , .		0
457	Amplification of the transmission rate for quantum key distribution based on subcarrier multiplexing. , 2013, , .		0
458	Design and experimental characterization of an InP photonic integrated circuit working as a receiver for frequency-modulated direct-detection microwave photonic links. Proceedings of SPIE, 2013, , .	0.8	0
459	Microwave photonics filtering technique for interrogating long weak fiber Bragg grating sensors. , 2014, , .		0
460	Silicon graphene photonic integrated circuits for microwave photonic applications. , 2014, , .		0
461	Microwave photonics beat filter monolithically integrated on an indium phosphide chip (invited) Tj ETQq1 1 0.784314 rgBT /Qverlock		0
462	MWP true time delay implemented in PbS-SU8 waveguides. , 2015, , .		0
463	Software-defined RF-Photonics processor: Concept and design equations. , 2015, , .		0
464	Third-order linearization for self-beating filtered microwave photonic systems using a dual parallel Mach-Zehnder modulator. Optics Express, 2016, 24, 20632.	1.7	0
465	FBGs based multicore fiber curvature sensor interrogation using microwave photonics filtering techniques. , 2017, , .		0
466	Analysis of birefringence effect in long period gratings through measurements of chromatic and polarization mode dispersions. , 2007, , .		0
467	Experimental demonstration of the longitudinal offset technique for the apodization of coupled resonator optical waveguide devices. , 2010, , .		0
468	Intermodulation and Harmonic Distortion in Slow Light SOA based Microwave Photonic Phase Shifters. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
469	Noise Figure of Slow Light Cascaded SOA based Microwave Photonic Phase Shifters. , 2011, , .		0
470	Microwave Photonics Applications using Slow and Fast Light Effects. , 2011, , .		0
471	Amplification of the bit rate for quantum key distribution based on cryptographic hash functions. Optica Pura Y Aplicada, 2013, 46, 337-343.	0.0	0
472	Ultrafast Quantum Random Number Generation Using Off-the-shelf Components. , 2014, , .		0
473	Waveguide Mesh Inspired Integrated Microwave Photonics. , 2016, , .		0
474	Self-reconfigurable Field Programmable Photonic Gate Arrays Using First-order Optimization Techniques. , 2020, , .		0
475	Editorial Introduction to the JSTQE Special Issue on Semiconductor Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-3.	1.9	0
476	Microwave phase shifter based on a fibre Bragg grating operating at constant wavelength. , 0, , .		0
477	Dual-frequency Optoelectronic Oscillator Incorporating Multiband Microwave Photonic Filter in a Single Cavity. , 2021, , .		0
478	Modeling amplified arbitrary filtered Amplified Heterodyne Microwave Photonic links. Optics Express, 2022, 30, 6519-6530.	1.7	0
479	Editorial Introduction to JSTQE Special Issue on Optical Detectors. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-3.	1.9	0