

Jose Capmany

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5487484/publications.pdf>

Version: 2024-02-01

479
papers

14,627
citations

36203

51
h-index

23472

111
g-index

483
all docs

483
docs citations

483
times ranked

5830
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Modeling amplified arbitrary filtered Amplified Heterodyne Microwave Photonic links. Optics Express, 2022, 30, 6519-6530.	1.7	0
3	Editorial Introduction to JSTQE Special Issue on Optical Detectors. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-3.	1.9	0
4	A new change of phase. Nature Photonics, 2022, 16, 479-480.	15.6	1
5	Programmable RF Receiver Related On-Chip Photonic Processor. IEEE Photonics Journal, 2021, 13, 1-11.	1.0	4
6	On-chip optical true time delay lines based on subwavelength grating waveguides. Optics Letters, 2021, 46, 1405.	1.7	15
7	Silicon nitride programmable photonic processor with folded heaters. Optics Express, 2021, 29, 9043.	1.7	19
8	Dual-frequency optoelectronic oscillator incorporating a single cavity and multiband microwave photonic filter. Optics Express, 2021, 29, 14006.	1.7	3
9	Modeling amplified arbitrary filtered microwave photonic links and systems. Optics Express, 2021, 29, 14757.	1.7	5
10	Optical Implementation of 2×2 Universal Unitary Matrix Transformations. Laser and Photonics Reviews, 2021, 15, 2000473.	4.4	13
11	Programmable Integrated Microwave Photonic Filter using a Modulation Transformer and a Double-Injection Ring Resonator. , 2021, , .		3
12	Dual-frequency Optoelectronic Oscillator Incorporating Multiband Microwave Photonic Filter in a Single Cavity. , 2021, , .		0
13	Programmable photonic circuits. Nature, 2020, 586, 207-216.	13.7	598
14	Optical Spectral Slicing Based Reconfigurable and Tunable Microwave Photonic Filter. Journal of Lightwave Technology, 2020, 38, 5492-5499.	2.7	17
15	Broadband random optoelectronic oscillator. Nature Communications, 2020, 11, 5724.	5.8	26
16	Multipurpose self-configuration of programmable photonic circuits. Nature Communications, 2020, 11, 6359.	5.8	78
17	Programmable Integrated Photonics. , 2020, , .		26
18	Recent advances in optoelectronic oscillators. Advanced Photonics, 2020, 2, 1.	6.2	83

#	ARTICLE	IF	CITATIONS
19	Principles, fundamentals, and applications of programmable integrated photonics. <i>Advances in Optics and Photonics</i> , 2020, 12, 709.	12.1	53
20	Auto-routing algorithm for field-programmable photonic gate arrays. <i>Optics Express</i> , 2020, 28, 737.	1.7	28
21	Self-reconfigurable Field Programmable Photonic Gate Arrays Using First-order Optimization Techniques. , 2020, , .		0
22	Reversible Gates for Programmable Photonics. , 2019, , .		2
23	Integrated microwave photonics. <i>Nature Photonics</i> , 2019, 13, 80-90.	15.6	722
24	Field-Programmable Photonic Array for multipurpose microwave photonic applications. , 2019, , .		2
25	5th-Generation Mobile Access Networks Assisted by Integrated Microwave Photonics. , 2019, , .		5
26	Modeling optical fiber space division multiplexed quantum key distribution systems. <i>Optics Express</i> , 2019, 27, 7047.	1.7	16
27	Integrated photonic tunable basic units using dual-drive directional couplers. <i>Optics Express</i> , 2019, 27, 38071.	1.7	22
28	Scalable analysis for arbitrary photonic integrated waveguide meshes. <i>Optica</i> , 2019, 6, 19.	4.8	44
29	Toward Programmable Microwave Photonics Processors. <i>Journal of Lightwave Technology</i> , 2018, 36, 519-532.	2.7	39
30	Programmable Multifunctional Photonics ICs. , 2018, , .		1
31	Programmable True Time Delay Lines Using Integrated Waveguide Meshes. <i>Journal of Lightwave Technology</i> , 2018, 36, 4591-4601.	2.7	30
32	Space QUEST mission proposal: experimentally testing decoherence due to gravity. <i>New Journal of Physics</i> , 2018, 20, 063016.	1.2	36
33	Toward Monolithic Integration of OEOs: From Systems to Chips. <i>Journal of Lightwave Technology</i> , 2018, 36, 4565-4582.	2.7	64
34	Integrated optoelectronic oscillator. <i>Optics Express</i> , 2018, 26, 12257.	1.7	87
35	Observation of parity-time symmetry in microwave photonics. <i>Light: Science and Applications</i> , 2018, 7, 38.	7.7	82
36	Programmable multifunctional integrated nanophotonics. <i>Nanophotonics</i> , 2018, 7, 1351-1371.	2.9	60

#	ARTICLE	IF	CITATIONS
37	Breakthrough on high-speed oscillation mode controlling in optoelectronic oscillator. Science Bulletin, 2018, 63, 807-808.	4.3	1
38	Field-programmable photonic arrays. Optics Express, 2018, 26, 27265.	1.7	72
39	Reconfigurable integrated waveguide meshes for photonic signal processing and emerging applications. , 2018, , .		1
40	Microwave Photonics for Optical Sensors. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 327-339.	1.9	98
41	A monolithic integrated photonic microwave filter. Nature Photonics, 2017, 11, 124-129.	15.6	193
42	Microwave Photonic Filtering for Interrogating FBG-Based Multicore Fiber Curvature Sensor. IEEE Photonics Technology Letters, 2017, 29, 1707-1710.	1.3	17
43	Multipurpose silicon photonics signal processor core. Nature Communications, 2017, 8, 636.	5.8	308
44	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
45	Silicon Photonics Rectangular Universal Interferometer. Laser and Photonics Reviews, 2017, 11, 1700219.	4.4	37
46	Incoherent Photonic Processing for Chirped Microwave Pulse Generation. IEEE Photonics Technology Letters, 2017, 29, 7-10.	1.3	7
47	An integrated optoelectronic oscillator. , 2017, , .		3
48	FBGs based multicore fiber curvature sensor interrogation using microwave photonics filtering techniques. , 2017, , .		0
49	Towards Programmable Microwave Photonics Processors. , 2017, , .		1
50	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
51	Quantum entropy source on an InP photonic integrated circuit for random number generation. Optica, 2016, 3, 989.	4.8	84
52	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
53	Integrated microwave photonics. , 2016, , .		3
54	Reconfigurable lattice mesh designs for programmable photonic processors. Optics Express, 2016, 24, 12093.	1.7	108

#	ARTICLE	IF	CITATIONS
55	Figures of merit for self-beating filtered microwave photonic systems. Optics Express, 2016, 24, 10087.	1.7	13
56	UWB Pulses Generation and Modulation Through a Customized FBG-Based Photonic Device. IEEE Photonics Technology Letters, 2016, 28, 2319-2322.	1.3	9
57	High-Order UWB Pulses Generation Adaptable to Bi-Phase Modulation. IEEE Photonics Technology Letters, 2016, 28, 2371-2374.	1.3	2
58	Integrated microwave photonics: The quest for the universal programmable processor. , 2016, , .		1
59	Subwavelength grating enabled on-chip ultra-compact optical true time delay line. Scientific Reports, 2016, 6, 30235.	1.6	69
60	Electro-Refraction Modulation Predictions for Silicon Graphene Waveguides in the 1540â€“1560 nm Region. IEEE Photonics Journal, 2016, 8, 1-13.	1.0	2
61	Honeycomb lattice meshes for reconfigurable universal microwave photonics processors. Proceedings of SPIE, 2016, , .	0.8	1
62	Reconfigurable lattice mesh designs for programmable photonic processors and universal couplers. , 2016, , .		3
63	Real-time Microwave Photonic technique for Low-Coherence Interferometry applications. , 2016, , .		1
64	The programmable processor. Nature Photonics, 2016, 10, 6-8.	15.6	129
65	Chirped Waveform Generation With Envelope Reconfigurability for Pulse Compression Radar. IEEE Photonics Technology Letters, 2016, 28, 748-751.	1.3	8
66	Reconfigurable Radio Access Networks Using Multicore Fibers. IEEE Journal of Quantum Electronics, 2016, 52, 1-7.	1.0	379
67	Waveguide Mesh Inspired Integrated Microwave Photonics. , 2016, , .		0
68	High order UWB pulses generation based on a scalable phase-to-intensity technique. , 2015, , .		1
69	Microwave photonics beat filter monolithically integrated on an indium phosphide chip (invited) Tj ETQq1 1 0.784314 rgBT /Qoverlock 10		
70	MWP true time delay implemented in PbS-SU8 waveguides. , 2015, , .		0
71	A novel MWP proposal for low-coherence interferometry applications. , 2015, , .		3
72	Software-defined RF-Photonics processor: Concept and design equations. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
73	RF Engineering Meets Optoelectronics: Progress in Integrated Microwave Photonics. IEEE Microwave Magazine, 2015, 16, 28-45.	0.7	83
74	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
75	Experimental photonic generation of chirped pulses using nonlinear dispersion-based incoherent processing. Optics Express, 2015, 23, 13634.	1.7	2
76	MWP phase shifters integrated in PbS-SU8 waveguides. Optics Express, 2015, 23, 14351.	1.7	11
77	Software-defined reconfigurable microwave photonics processor. Optics Express, 2015, 23, 14640.	1.7	39
78	Scalable High-Order UWB Pulse Generation Employing an FBG-Based Photonic Superstructure. IEEE Photonics Technology Letters, 2015, 27, 2146-2149.	1.3	2
79	Silicon Graphene Reconfigurable CROWS and SCISSORS. IEEE Photonics Journal, 2015, 7, 1-9.	1.0	19
80	WDM Optical Access Network for Full-Duplex and Reconfigurable Capacity Assignment Based on PolMUX Technique. Photonics, 2014, 1, 503-515.	0.9	4
81	Microwave photonics transistor design equations. , 2014, , .		3
82	Weak fiber Bragg grating cascade sensor interrogation using microwave photonic filtering techniques. , 2014, , .		3
83	System performance enhancement with pre-distorted OOFDM signal waveforms in DM/DD systems. Optics Express, 2014, 22, 7269.	1.7	14
84	Ultra-fast quantum randomness generation by accelerated phase diffusion in a pulsed laser diode. Optics Express, 2014, 22, 1645.	1.7	114
85	Silicon graphene Bragg gratings. Optics Express, 2014, 22, 5283.	1.7	27
86	Silicon graphene waveguide tunable broadband microwave photonics phase shifter. Optics Express, 2014, 22, 8094.	1.7	36
87	Scalable UWB photonic generator based on the combination of doublet pulses. Optics Express, 2014, 22, 15346.	1.7	7
88	Very high Q-factor microwave photonic FIR filter based on a ultralong FBG cascade. , 2014, , .		2
89	Microwave Photonics Filtering Technique for Interrogating a Very-Weak Fiber Bragg Grating Cascade Sensor. IEEE Photonics Journal, 2014, 6, 1-10.	1.0	35
90	Microwave photonics filtering technique for interrogating long weak fiber Bragg grating sensors. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
91	Colloidal Quantum Dots-PMMA Waveguides as Integrable Microwave Photonic Phase Shifters. IEEE Photonics Technology Letters, 2014, 26, 402-404.	1.3	10
92	Graphene Integrated Microwave Photonics. Journal of Lightwave Technology, 2014, 32, 3785-3796.	2.7	31
93	Integrated Microwave Photonics for Radio Access Networks. Journal of Lightwave Technology, 2014, 32, 2849-2861.	2.7	40
94	Multiband-UWB Signals Generation Based on Incoherent Microwave Photonic Filters. IEEE Photonics Technology Letters, 2014, 26, 142-145.	1.3	10
95	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
96	Integrated microwave photonics: State of the art and future trends. , 2014, , .		5
97	Silicon graphene photonic integrated circuits for microwave photonic applications. , 2014, , .		0
98	Long Weak FBG Sensor Interrogation Using Microwave Photonics Filtering Technique. IEEE Photonics Technology Letters, 2014, 26, 2039-2042.	1.3	29
99	Ultrafast Quantum Random Number Generation Using Off-the-shelf Components. , 2014, , .		0
100	Comprehensive Impairment and Performance Description of Directly Modulated/Detected OOFDM Systems. Journal of Lightwave Technology, 2013, 31, 3277-3288.	2.7	9
101	Integrable microwave photonic phase-shifter based on Colloidal Quantum Dots-PMMA waveguide. , 2013, , .		0
102	Generation of an UWB monocycle employing cross-phase modulation in a SOA-MZ interferometer. , 2013, , .		0
103	A microwave photonics transistor. , 2013, , .		3
104	Optical single sideband transmitter using phase modulation and a photonic integrated filter. , 2013, , .		2
105	Integrated microwave photonics. Laser and Photonics Reviews, 2013, 7, 506-538.	4.4	614
106	Microwave Photonic Signal Processing. Journal of Lightwave Technology, 2013, 31, 571-586.	2.7	494
107	Evolution of fabless generic photonic integration. , 2013, , .		8
108	UWB Doublet Generation Employing Cross-Phase Modulation in a Semiconductor Optical Amplifier Mach-Zehnder Interferometer. IEEE Photonics Journal, 2013, 5, 7101106-7101106.	1.0	4

#	ARTICLE	IF	CITATIONS
109	Exploring the ultimate performance by tailoring the transmitter parameters in OOFDM systems. , 2013, , .		0
110	Enabling quantum communications through accurate photons polarization control. , 2013, , .		1
111	Integrated InP frequency discriminator for Phase-modulated microwave photonic links. Optics Express, 2013, 21, 3726.	1.7	22
112	Analytical formulation of directly modulated OOFDM signals transmitted over an IM/DD dispersive link. Optics Express, 2013, 21, 7651.	1.7	15
113	Quantum model of light transmission in array waveguide gratings. Optics Express, 2013, 21, 14841.	1.7	6
114	Microwave Photonics: Current challenges towards widespread application. Optics Express, 2013, 21, 22862.	1.7	67
115	Integrable high order UWB pulse photonic generator based on cross phase modulation in a SOA-MZI. Optics Express, 2013, 21, 22911.	1.7	29
116	High-order UWB pulses scheme to generate multilevel modulation formats based on incoherent optical sources. Optics Express, 2013, 21, 28914.	1.7	6
117	Optical filtering in directly modulated/detected OOFDM systems. Optics Express, 2013, 21, 30591.	1.7	2
118	Integrated microwave photonics for access systems. , 2013, , .		1
119	Analytical formulation framework for directly modulated/detected OOFDM systems. , 2013, , .		0
120	Siliziumphotonik - Grundbausteine kommerzieller Anwendungen. Optik & Photonik, 2013, 8, 52-55.	0.3	1
121	UWB doublet generation in an integrated semiconductor optical amplifier Mach-Zehnder interferometer. , 2013, , .		0
122	Amplification of the transmission rate for quantum key distribution based on subcarrier multiplexing. , 2013, , .		0
123	Long fiber Bragg grating sensor interrogation using discrete-time microwave photonic filtering techniques. Optics Express, 2013, 21, 28175.	1.7	56
124	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
125	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
126	Realization of Single-Photon Frequency-Domain Qubit Channels Using Phase Modulators. IEEE Photonics Journal, 2012, 4, 2074-2084.	1.0	3

#	ARTICLE	IF	CITATIONS
127	Experimental demonstration of subcarrier multiplexed quantum key distribution system. Optics Letters, 2012, 37, 2031.	1.7	29
128	Nonlinear dispersion-based incoherent photonic processing for microwave pulse generation with full reconfigurability. Optics Express, 2012, 20, 6728.	1.7	14
129	Harmonic distortion in microwave photonic filters. Optics Express, 2012, 20, 8871.	1.7	6
130	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
131	Phase-modulated radio over fiber multimode links. Optics Express, 2012, 20, 11710.	1.7	7
132	Figures of merit for microwave photonic phase shifters based on semiconductor optical amplifiers. Optics Express, 2012, 20, 10519.	1.7	3
133	Simultaneous transmission of 20x2 WDM/SCM-QKD and 4 bidirectional classical channels over a PON. Optics Express, 2012, 20, 16358.	1.7	33
134	Ultracompact electro-optic phase modulator based on III-V-on-silicon microdisk resonator. Optics Letters, 2012, 37, 2379.	1.7	14
135	Analog Filtered links: A unifying approach for Microwave Photonic systems. , 2012, , .		4
136	Reconfigurable Photonic Microwave Filter Based on Four-Wave Mixing. IEEE Photonics Journal, 2012, 4, 759-764.	1.0	19
137	Microwave Photonics Applications of Multicore Fibers. IEEE Photonics Journal, 2012, 4, 877-888.	1.0	95
138	Microwave Photonics Parallel Quantum Key Distribution. IEEE Photonics Journal, 2012, 4, 931-942.	1.0	12
139	Recent implementations of fiber and integrated tunable microwave photonics filters. , 2012, , .		0
140	Sampled Microwave Photonic delay lines using heterogeneous multicore fibers. , 2012, , .		1
141	Integrated microwave photonic dispersive delay line. , 2012, , .		0
142	Integrable microwave filter based on a photonic crystal delay line. Nature Communications, 2012, 3, 1075.	5.8	154
143	OFDM-IDMA for Uplink Transmission in Passive Optical Networks. IEEE Photonics Journal, 2012, 4, 1-13.	1.0	9
144	Highly Chirped Reconfigurable Microwave Photonic Filter. IEEE Photonics Technology Letters, 2011, 23, 1192-1194.	1.3	10

#	ARTICLE	IF	CITATIONS
145	Optical Arbitrary Waveform Generator Using Incoherent Microwave Photonic Filtering. IEEE Photonics Technology Letters, 2011, 23, 618-620.	1.3	10
146	Performance metrics evaluation of cascaded SOA based slow light microwave photonic phase shifters. , 2011, , .		0
147	Experimental demonstration of a novel configuration for BB84 frequency coded QKD. , 2011, , .		5
148	Recent Breakthroughs in Microwave Photonics. IEEE Photonics Journal, 2011, 3, 311-315.	1.0	14
149	Harnessing slow light. Nature Photonics, 2011, 5, 731-733.	15.6	38
150	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
151	Impact of Third-Order Intermodulation on the Performance of Subcarrier Multiplexed Quantum Key Distribution. Journal of Lightwave Technology, 2011, 29, 3061-3069.	2.7	11
152	Analysis of harmonic distortion involved in microwave photonic filters. , 2011, , .		1
153	Filtered microwave photonic links: models and figures of merit. , 2011, , .		1
154	Complex-coefficient microwave photonic tunable filter using slow light silicon-on-insulator-based microring resonator. , 2011, , .		0
155	True time delays and phase shifters based on slow light technologies for microwave photonics applications. , 2011, , .		0
156	All silicon waveguide spherical microcavity coupler device. Optics Express, 2011, 19, 3185.	1.7	23
157	Fast optical source for quantum key distribution based on semiconductor optical amplifiers. Optics Express, 2011, 19, 3825.	1.7	11
158	Highly chirped single-bandpass microwave photonic filter with reconfiguration capabilities. Optics Express, 2011, 19, 4566.	1.7	32
159	Tunable complex-valued multi-tap microwave photonic filter based on single silicon-on-insulator microring resonator. Optics Express, 2011, 19, 12402.	1.7	52
160	Label swapper device for spectral amplitude coded optical packet networks monolithically integrated on InP. Optics Express, 2011, 19, 13540.	1.7	4
161	Fully tunable 360° microwave photonic phase shifter based on a single semiconductor optical amplifier. Optics Express, 2011, 19, 17421.	1.7	47
162	Analytical model and figures of merit for filtered Microwave photonic links. Optics Express, 2011, 19, 19758.	1.7	36

#	ARTICLE	IF	CITATIONS
163	Transmission and group-delay characterization of coupled resonator optical waveguides apodized through the longitudinal offset technique. Optics Letters, 2011, 36, 136.	1.7	15
164	Third order intermodulation distortion in a 360° microwave photonic phase shifter based on slow light cascaded SOAs. , 2011, , .		1
165	Sagnac loop reflector and arrayed waveguide grating-based multi-wavelength laser monolithically integrated on InP. IET Optoelectronics, 2011, 5, 207-210.	1.8	4
166	Dispersion Supported BB84 Quantum Key Distribution Using Phase Modulated Light. IEEE Photonics Journal, 2011, 3, 433-440.	1.0	10
167	Conditional Frequency-Domain Beamsplitters Using Phase Modulators. IEEE Photonics Journal, 2011, 3, 954-967.	1.0	4
168	Quantum modelling of electroéoptic modulators. Laser and Photonics Reviews, 2011, 5, 750-772.	4.4	27
169	Spectral decomposition of single-tone-driven quantum phase modulation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 035506.	0.6	7
170	Experimental demonstration of Subcarrier Multiplexed Quantum Key Distribution system feasibility. , 2011, , .		1
171	Photonic integrated circuits for signal processing in packet-switched networks. , 2011, , .		0
172	2π microwave photonic phase shifter based on single semiconductor optical amplifier. , 2011, , .		1
173	Active and passive optical sources for QKD. , 2011, , .		0
174	High-order UWB pulse generation based on a microwave photonic filter using incoherent optical sources. , 2011, , .		4
175	Chirped Microwave Photonic Filter with High Frequency Tuning Capability. , 2011, , .		4
176	Intermodulation and Harmonic Distortion in Slow Light SOA based Microwave Photonic Phase Shifters. , 2011, , .		0
177	Noise Figure of Slow Light Cascaded SOA based Microwave Photonic Phase Shifters. , 2011, , .		0
178	Microwave Photonics Applications using Slow and Fast Light Effects. , 2011, , .		0
179	Apodization of coupled resonator optical waveguide devices through a longitudinal offset technique. , 2010, , .		0
180	Harmonic Distortion in Slow Light SOA based Microwave Photonic Phase Shifters. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
181	Quantum Blackbox Model for Electro-Optical Phase Modulation. , 2010, , .		0
182	Fiber Bragg Grating-Based Architectures for Reconfigurable Services in In-Building Networks. , 2010, , .		1
183	Subcarrier multiplexed optical label swapping networks. IET Optoelectronics, 2010, 4, 235-246.	1.8	2
184	Peer-to-Peer architectures for converged wired/wireless access networks. , 2010, , .		1
185	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
186	Figures of merit for Microwave Photonic phase shifters based on coherent population oscillation slow and fast light effects. , 2010, , .		0
187	PON topology analysis for subcarrier multiplexed quantum key distribution. , 2010, , .		0
188	Price evolution forecasting of fiber components for optical telecommunications. , 2010, , .		1
189	Selective Multicast in a Dynamic Wavelength Router for DWDM Converged Wired/Wireless Access Networks. , 2010, , .		2
190	Discretely tunable microwave photonics beamformer based on ring resonators and arrayed waveguide gratings. Proceedings of SPIE, 2010, , .	0.8	1
191	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
192	Flexible Monocycle UWB Generation for Reconfigurable Access Networks. IEEE Photonics Technology Letters, 2010, 22, 878-880.	1.3	12
193	Noise Spectrum Characterization of Slow Light SOA-Based Microwave Photonic Phase Shifters. IEEE Photonics Technology Letters, 2010, 22, 1005-1007.	1.3	7
194	Wavelength Data Rewriter for Centralized-Source Radio-Over-Fiber Access Networks. IEEE Photonics Technology Letters, 2010, 22, 1102-1104.	1.3	6
195	Dynamic Microwave Photonic Filter Using Separate Carrier Tuning Based on Stimulated Brillouin Scattering in Fibers. IEEE Photonics Technology Letters, 2010, 22, 1753-1755.	1.3	45
196	Microwave photonic filtering scheme for BB84 Subcarrier Multiplexed Quantum Key Distribution. , 2010, , .		7
197	Centralized light-source optical access network based on polarization multiplexing. Optics Express, 2010, 18, 4240.	1.7	14
198	Wideband 360° microwave photonic phase shifter based on slow light in semiconductor optical amplifiers. Optics Express, 2010, 18, 6156.	1.7	97

#	ARTICLE	IF	CITATIONS
199	Radio over fiber transceiver employing phase modulation of an optical broadband source. Optics Express, 2010, 18, 21750.	1.7	12
200	Broadband true time delay for microwave signal processing, using slow light based on stimulated Brillouin scattering in optical fibers. Optics Express, 2010, 18, 22599.	1.7	115
201	Quantum model for electro-optical amplitude modulation. Optics Express, 2010, 18, 25127.	1.7	8
202	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
203	Strategies for P2P connectivity in reconfigurable converged wired/wireless access networks. Optics Express, 2010, 18, 26196.	1.7	2
204	Photonic arbitrary waveform generation applicable to multiband UWB communications. Optics Express, 2010, 18, 26259.	1.7	22
205	Quantum model for electro-optical phase modulation. Journal of the Optical Society of America B: Optical Physics, 2010, 27, A119.	0.9	32
206	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
207	Synthesis of coupled resonator optical waveguides by cavity aggregation. Optics Express, 2010, 18, 1600.	1.7	1
208	Reconfigurability and tunability of a chirped microwave photonic pulse generator. , 2010, , .		2
209	Bidirectional transmission of digital signals in a WDM-PolMUX optical access network. , 2010, , .		2
210	On the noise performance of slow light SOA-based microwave photonic phase shifters. , 2010, , .		0
211	True Time Delay on tunable Microwave Photonic Filter based on Stimulated Brillouin Scattering in fibers. , 2010, , .		1
212	Suppression of Harmonic and Intermodulation Distortion for SCM-WDM RoF Systems based on the Spectral Slicing of Optical Broadband Sources. , 2010, , .		2
213	Microwave Photonics Solutions for In-Building Networks Signal Transmission. , 2010, , .		1
214	Experimental demonstration of the longitudinal offset technique for the apodization of coupled resonator optical waveguide devices. , 2010, , .		0
215	All- Optical Microwave Up-Conversion using an Optical Broadband Source and a Mach-Zehnder Interferometer. , 2010, , .		3
216	Controlling the Speed of Light in Semiconductor Waveguides: Physics and Applications. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
217	Experimental evaluation of the transmission in a low cost SCM/WDM radio over fibre system employing optical broadband sources and interferometric structures. , 2009, , .		4
218	Microwave photonics processing controlling the speed of light in semiconductor waveguides. , 2009, , .		0
219	An amplified coarse wavelength division multiplexing self-referencing sensor network based on phase-shifted FBGs in transmissive configuration. Measurement Science and Technology, 2009, 20, 034017.	1.4	11
220	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
221	Experimental analysis of temperature dependence in multimode optical fiber links for radio-over-fiber applications. , 2009, , .		2
222	Microwave phase shifter with controllable power response based on slow- and fast-light effects in semiconductor optical amplifiers. Optics Letters, 2009, 34, 929.	1.7	54
223	Subcarrier multiplexing tolerant dispersion transmission system employing optical broadband sources. Optics Express, 2009, 17, 4740.	1.7	17
224	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.	1.7	130
225	Photon nonlinear mixing in subcarrier multiplexed quantum key distribution systems. Optics Express, 2009, 17, 6457.	1.7	9
226	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
227	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
228	Influence of the Grating Parameters on the Polarization Properties of Fiber Bragg Gratings. Journal of Lightwave Technology, 2009, 27, 1000-1010.	2.7	31
229	Widely Tunable Microwave Photonic Notch Filter Based on Slow and Fast Light Effects. IEEE Photonics Technology Letters, 2009, 21, 167-169.	1.3	69
230	PDL and DGD Reduction in Bragg Gratings Using Twisted Fibers for the Inscription. IEEE Photonics Technology Letters, 2009, 21, 1689-1691.	1.3	2
231	Microwave photonics and radio-over-fiber research. IEEE Microwave Magazine, 2009, 10, 96-105.	0.7	22
232	Space-quest, experiments with quantum entanglement in space. Europhysics News, 2009, 40, 26-29.	0.1	77
233	Slow and fast light effects in semiconductor waveguides for applications in microwave photonics. Proceedings of SPIE, 2009, , .	0.8	0
234	Experimental Demonstration of 360° Tunable RF Phase Shift Using Slow and Fast Light Effects. , 2009, , .		9

#	ARTICLE	IF	CITATIONS
235	Demonstration of Tunable Microwave Photonic Notch Filters Using Slow and Fast Light Effects in Semiconductor Optical Amplifiers. , 2009, , .		1
236	Relationship Between Chromatic Dispersion and Differential Group Delay in Weakly Birefringent Fiber Gratings. IEEE Photonics Technology Letters, 2008, 20, 437-439.	1.3	1
237	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
238	Modeling of a Time-Spreading OCDMA System Including Nonperfect Time Gating, Optical Thresholding, and Fully Asynchronous Signal/Interference Overlapping. Journal of Lightwave Technology, 2008, 26, 768-776.	2.7	13
239	Accurate Control of Active Recirculating Structures for Microwave Photonics Signal Filtering. Journal of Lightwave Technology, 2008, 26, 1626-1631.	2.7	5
240	Single-Bandpass Microwave Photonic Filter With Tuning and Reconfiguration Capabilities. Journal of Lightwave Technology, 2008, 26, 2663-2670.	2.7	51
241	Modal noise impact in Radio over Fiber multimode fiber links. Optics Express, 2008, 16, 121.	1.7	19
242	Multi-tap complex-coefficient incoherent microwave photonic filters based on optical single-sideband modulation and narrow band optical filtering. Optics Express, 2008, 16, 295.	1.7	60
243	1 Tb/s·km Multimode fiber link combining WDM transmission and low-linewidth lasers. Optics Express, 2008, 16, 8033.	1.7	44
244	Theoretical Model and Experimental Verification of Zehnder EOM With Dispersive Optical Fiber Link Propagation. IEEE Journal of Quantum Electronics, 2008, 44, 165-174.	1.0	4
245	Apodized chirped Coupled Resonator Optical Waveguides. , 2008, , .		0
246	1 Tb/s·km WDM transmission over multimode fibre link. , 2008, , .		2
247	Full passive re-use of autocorrelation signal in all optical code based label optical packet networks. , 2008, , .		1
248	New label processing for routing optical packets. , 2008, , .		2
249	Hybrid Packet/Circuit SCM Optical Label Switching Node With Priority Based Routing Capabilities. , 2008, , .		1
250	Simultaneous baseband and radio over fiber signal transmission over a 5 km MMF link. , 2008, , .		4
251	Experimental demonstration of the reduction of PDL and DGD in Fibre Bragg Gratings by using a twisted-fibre for the inscription. , 2008, , .		0
252	Principal mode coefficients for multimode fibers. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
253	Amplified CWDM self-referencing sensor network based on phase-shifted FBGs in transmissive configuration. , 2008, , .		3
254	Technical program schedule. , 2008, , .		0
255	Optical modulation formats by combination of two time-delayed orthogonally polarized double sideband modulated signals. , 2008, , .		0
256	Applications of the Slow and Fast Light Effects in SOA-EA Structures in the Radio Over Fiber Links. , 2007, , .		0
257	Effect of the Grating Parameters on the Polarization Properties of Uniform FBGs. , 2007, , JWA34.		0
258	Transverse force sensor exploiting the birefringence effect in uniform fibre Bragg gratings. , 2007, , .		11
259	Determination of the fiber birefringence induced by transversal loads by means of fiber Bragg gratings. Proceedings of SPIE, 2007, , .	0.8	0
260	Flexible Capacity Assignment in a Multiwavelength Radio Over Fiber Access Network. , 2007, , .		2
261	Bidirectional Dynamic Capacity Allocation by Using Optically Switched Foldback AWC. , 2007, , .		1
262	Tunable complex-coefficient incoherent Microwave Photonic Filters based on optical single-sideband modulation and narrow-band optical filtering. , 2007, , .		5
263	Synthesis of 1D Bragg gratings by a layer-aggregation method. Optics Letters, 2007, 32, 2312.	1.7	5
264	Analysis of the harmonic and intermodulation distortion in a multimode fiber optic link. Optics Express, 2007, 15, 9366.	1.7	10
265	Apodized coupled resonator waveguides. Optics Express, 2007, 15, 10196.	1.7	51
266	Transfer function of radio over fiber multimode fiber optic links considering third-order dispersion. Optics Express, 2007, 15, 10591.	1.7	2
267	Symmetric reconfigurable capacity assignment in a bidirectional DWDM access network. Optics Express, 2007, 15, 16781.	1.7	18
268	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
269	Multitap Complex-Coefficient Incoherent Microwave Photonic Filters Based on Stimulated Brillouin Scattering. IEEE Photonics Technology Letters, 2007, 19, 1194-1196.	1.3	47
270	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
271	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
272	Transmission of high-frequency radio over fibre signals through short and middle reach Multimode Fibre links using a low-linewidth laser. , 2007, , .		4
273	Payload-Label Tolerance in Subcarrier Multiplexing Optical Label Switching Routers. IEEE Photonics Technology Letters, 2007, 19, 984-986.	1.3	3
274	Routing in Optical Packet Switched Networks Utilizing Microwave Subcarriers. , 2007, , .		0
275	Transverse Strain Measurements Using the Birefringence Effect in Fiber Bragg Gratings. IEEE Photonics Technology Letters, 2007, 19, 966-968.	1.3	52
276	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
277	Microwave photonics combines two worlds. Nature Photonics, 2007, 1, 319-330.	15.6	2,257
278	High-frequency radio over fibre QPSK transmission through a 5 km multimode fibre link. , 2007, , .		2
279	Multiple-tap complex-coefficient incoherent microwave photonics filters using phase-shifted fiber Bragg gratings. , 2007, , .		1
280	Analysis of birefringence effect in long period gratings through measurements of chromatic and polarization mode dispersions. , 2007, , .		0
281	High performance SCM optical packet switching router for optical circuit, burst and variable length packet processing. , 2007, , .		1
282	Label Processing and Node Implementation in Optical Packet Switching Networks. , 2006, , .		0
283	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
284	Phased-array antennas employing slow and fast light in alternating amplifying and absorbing sections. , 2006, , .		1
285	Active recirculating structures for UMTS noise and interference suppression. , 2006, , .		1
286	Tunable Microwave Photonic Filter Free from Carrier Suppression Effect with Positive and Negative Coefficients. , 2006, , .		0
287	Demonstration of incoherent microwave photonic filters with all-optical complex coefficients. IEEE Photonics Technology Letters, 2006, 18, 1744-1746.	1.3	81
288	Continuous tuning of photonic transversal filter based on the modification of tapped weights. IEEE Photonics Technology Letters, 2006, 18, 1594-1596.	1.3	17

#	ARTICLE	IF	CITATIONS
289	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
290	Tunable radio-frequency photonic filter based on an actively mode-locked fiber laser. Optics Letters, 2006, 31, 709.	1.7	60
291	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.	1.7	11
292	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
293	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
294	A tutorial on microwave photonic filters. Journal of Lightwave Technology, 2006, 24, 201-229.	2.7	877
295	Photonic microwave tunable single-bandpass filter based on a Mach-Zehnder interferometer. Journal of Lightwave Technology, 2006, 24, 2500-2509.	2.7	254
296	On the cascade of incoherent discrete-time microwave photonic filters. Journal of Lightwave Technology, 2006, 24, 2564-2578.	2.7	25
297	RF transfer function of analogue multimode fiber links using an electric field propagation model: Application to Broadband Radio over fiber systems.. , 2006, , .		7
298	Recent Advances on Optical Label Swapping Techniques: An Approach to the Final Results of IST-LABELS Project. , 2006, , .		2
299	Demodulation Technique for Transverse Strain FBG Sensor Based on the Measurement of the Polarization Properties. , 2006, , TuE34.		0
300	Scalability of 10 Gbit/s SCM optical label swapping networks featuring 2R multistage intra-node regeneration. Electronics Letters, 2006, 42, 712.	0.5	2
301	Use of the polarization properties of fiber Bragg gratings for sensing purposes. , 2006, 6189, 516.		1
302	Experimental demonstration of the continuous tuning of microwave photonic filters by sinusoidal modulation of the filter coefficients. , 2006, , .		1
303	Slow and fast light in SOA-EA structures for phased-array antennas. , 2006, , .		4
304	Simultaneous generation and Ultra-Dense multiplexing (50GHz), of Sub-Carrier Multiplexed Optical Label Swapping channels, using compact Fibre Bragg Grating Arrays.. , 2006, , .		0
305	Wavelength Characterization of Chromatic Dispersion and Differential Group Delay of Fibre Bragg Gratings: Relationship and Applications. , 2006, , .		0
306	Subcarrier multiplexing optical quantum key distribution. Physical Review A, 2006, 73, .	1.0	35

#	ARTICLE	IF	CITATIONS
307	Tunable all-optical microwave filter using Cross-Phase Modulation in Semiconductor Optical Amplifier Mach-Zehnder interferometer. , 2006, , .		0
308	Cross Waveguide Grating Experimental Demonstration. , 2006, , .		0
309	Incoherent microwave photonic filters with complex coefficients using stimulated Brillouin scattering. , 2006, , .		1
310	Tunable Microwave Photonic Filter Free from Carrier Suppression Effect and Baseband Response not Requiring Single Sideband Modulation. , 2006, , .		0
311	Advanced Optical Processing of Microwave Signals. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.0	14
312	Microwave signal processing using optics. , 2005, , .		5
313	Highly selective microwave photonic filters based on active optical recirculating cavity and tuned modulator hybrid structure. Electronics Letters, 2005, 41, 1133.	0.5	31
314	Microwave photonic transversal filter for intermodal dispersion equalisation. Electronics Letters, 2005, 41, 193.	0.5	0
315	Photonic processing of microwave signals. IEE Proceedings: Optoelectronics, 2005, 152, 299-320.	0.8	17
316	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
317	Microwave photonic filters with negative coefficients: Fundamentals, advantages and recent advances. , 2005, , .		0
318	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
319	Highly selective Microwave Photonic filters based on new FBGs-EDF recirculating cavities and tuned modulators. , 2005, , .		3
320	Computer-controlled reconfigurable Microwave Photonic filters featuring high-quality windowing profiles. , 2005, , .		1
321	Microwave Photonic Filters with arbitrary number of positive and negative coefficients using multiple phase inversion in a SOA based XGM wavelength converter. , 2005, , .		0
322	Discrete-time optical Processing of microwave signals. Journal of Lightwave Technology, 2005, 23, 702-723.	2.7	337
323	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
324	Microwave photonic filters using low-cost sources featuring tunability, reconfigurability and negative coefficients. Optics Express, 2005, 13, 1412.	1.7	51

#	ARTICLE	IF	CITATIONS
325	The cross waveguide grating: proposal, theory and applications. Optics Express, 2005, 13, 2961.	1.7	1
326	Spectral characterization of differential group delay in uniform fiber Bragg gratings. Optics Express, 2005, 13, 9954.	1.7	36
327	Tunable and reconfigurable microwave filter by use of a Bragg-grating-based acousto-optic superlattice modulator. Optics Letters, 2005, 30, 8.	1.7	33
328	High-Q microwave photonic filter with a tuned modulator. Optics Letters, 2005, 30, 2299.	1.7	24
329	Multiwavelength single sideband modulation for WDM radio-over-fiber systems using a fiber grating array tandem device. IEEE Photonics Technology Letters, 2005, 17, 471-473.	1.3	42
330	Fiber-Bragg-grating-based device for payload and label separation in highly packed subcarrier-multiplexed optical label swapping. IEEE Photonics Technology Letters, 2005, 17, 2445-2447.	1.3	11
331	Systems measurements of $2/\text{spl times}/2$ poled fiber switch. IEEE Photonics Technology Letters, 2005, 17, 2571-2573.	1.3	14
332	High-quality online-reconfigurable microwave photonic transversal filter with positive and negative coefficients. IEEE Photonics Technology Letters, 2005, 17, 2730-2732.	1.3	36
333	Novel Optical Direct Detection Scheme for DPSK Signals Using Fibre Bragg Gratings. , 2005, , 601-606.		0
334	High-performance low-cost online-reconfigurable microwave photonic transversal filter. , 2005, , .		5
335	Measurement issues in microwave photonics. , 2004, , .		5
336	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
337	Metropolitan Optical Networks: When to Change to DWDM. Fiber and Integrated Optics, 2004, 23, 109-120.	1.7	1
338	Tunable microwave photonic filter for noise and interference suppression in UMTS base stations. Electronics Letters, 2004, 40, 997.	0.5	37
339	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
340	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
341	AWG Model Validation Through Measurement of Fabricated Devices. Journal of Lightwave Technology, 2004, 22, 2763-2777.	2.7	4
342	Reconfigurable RF Photonic Filter With Negative Coefficients and Flat-Top Resonances Using Phase Inversion in a Newly Designed $2\text{<tex>\times\</tex>1}$ Integrated Mach-Zehnder Modulator. IEEE Photonics Technology Letters, 2004, 16, 2126-2128.	1.3	21

#	ARTICLE	IF	CITATIONS
343	A new fibre optic sensor independent of temperature variations and fabricated with fibre Bragg gratings. , 2004, , .		0
344	A new interrogation system for a large number of strain sensors using fiber Bragg grating for application in residential buildings. , 2004, , .		0
345	White light sources filtered with fiber Bragg gratings for RF-photonics applications. Optics Communications, 2003, 222, 221-225.	1.0	4
346	All Optical Processing Of Microwave Functions. , 2003, , 375-573.		0
347	Experimental characterization of XGM-SOA-based wavelength converted SCM systems. IEEE Photonics Technology Letters, 2003, 15, 114-116.	1.3	7
348	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
349	Wavelength conversion of SCM signals using semiconductor optical amplifiers: theory, experiments, and applications. Journal of Lightwave Technology, 2003, 21, 961-972.	2.7	8
350	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
351	Arrayed waveguide Sagnac interferometer. Optics Letters, 2003, 28, 197.	1.7	9
352	Tunable all-optical negative multitap microwave filters based on uniform fiber Bragg gratings. Optics Letters, 2003, 28, 1308.	1.7	79
353	Microwave photonic filters with negative coefficients based on phase inversion in an electro-optic modulator. Optics Letters, 2003, 28, 1415.	1.7	127
354	Optical microwave filter based on spectral slicing by use of arrayed waveguide gratings. Optics Letters, 2003, 28, 1802.	1.7	65
355	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
356	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
357	Highly tunable optically switched time delay line for transversal filtering. Electronics Letters, 2003, 39, 1799.	0.5	10
358	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
359	Tunable chirped fibre Bragg grating device controlled by variable magnetic fields. Electronics Letters, 2002, 38, 118.	0.5	16
360	Multiwavelength optical SSB generation for dispersion mitigation in WDM fibre radio systems using AWG multiplexer. Electronics Letters, 2002, 38, 1194.	0.5	11

#	ARTICLE	IF	CITATIONS
361	Effects of fourth-order dispersion in very high-speed optical time-division multiplexed transmission. Optics Letters, 2002, 27, 960.	1.7	11
362	Optical mixing of microwave signals in a nonlinear semiconductor laser amplifier modulator. Optics Express, 2002, 10, 183.	1.7	14
363	Automatic tunable and reconfigurable fiberoptic microwave filters based on a broadband optical source sliced by uniform fiber Bragg gratings. Optics Express, 2002, 10, 1291.	1.7	53
364	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
365	Modeling and design of arrayed waveguide gratings. Journal of Lightwave Technology, 2002, 20, 661-674.	2.7	100
366	Impact of fiber Bragg grating based OADM outband dispersion in DWDM-SCM systems. IEEE Photonics Technology Letters, 2002, 14, 567-569.	1.3	9
367	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
368	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
369	Broad-band tunable microwave transversal notch filter based on tunable uniform fiber Bragg gratings as slicing filters. IEEE Photonics Technology Letters, 2001, 13, 726-728.	1.3	53
370	Reconfigurable fiber-optic-based RF filters using current injection in multimode lasers. IEEE Photonics Technology Letters, 2001, 13, 1224-1226.	1.3	26
371	"Cross-phase wavelength conversion of scm signals: harmonic and intermodulation distortion analysis". IEEE Photonics Technology Letters, 2001, 13, 1376-1376.	1.3	0
372	Analysis and design of arrayed waveguide gratings with MMI couplers. Optics Express, 2001, 9, 328.	1.7	26
373	Cross-phase wavelength conversion of SCM signals: harmonic and intermodulation distortion analysis. IEEE Photonics Technology Letters, 2001, 13, 723-725.	1.3	2
374	Optical monitoring system for wavelength-routing networks employing array waveguide gratings. Microwave and Optical Technology Letters, 2001, 31, 319-322.	0.9	2
375	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
376	Applications of Fiber Bragg Gratings to Microwave Photonics (Invited Paper). Fiber and Integrated Optics, 2000, 19, 483-494.	1.7	5
377	Analysis of a microwave time delay line based on a perturbed uniform fiber Bragg grating operating at constant wavelength. Journal of Lightwave Technology, 2000, 18, 430-436.	2.7	39
378	Experimental demonstration of parallel fiber-optic-based RF filtering using WDM techniques. IEEE Photonics Technology Letters, 2000, 12, 77-78.	1.3	19

#	ARTICLE	IF	CITATIONS
379	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
380	Hybrid dynamic photonic switch using fibre Bragg grating and cross-gain modulation based wavelength conversion. Electronics Letters, 1999, 35, 1179.	0.5	0
381	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
382	Applications of fibre Bragg gratings to microwave photonics. , 1999, , .		1
383	Full low-cost characterization of long periodic superstructure fiber Bragg gratings. Microwave and Optical Technology Letters, 1999, 23, 255-257.	0.9	0
384	New and flexible fiber-optic delay-line filters using chirped Bragg gratings and laser arrays. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 1321-1326.	2.9	183
385	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
386	Reconfigurable fiber-optic delay line filters incorporating electrooptic and electroabsorption modulators. IEEE Photonics Technology Letters, 1999, 11, 1174-1176.	1.3	20
387	Autocorrelation pulse distortion in optical fiber CDMA systems employing ladder networks. Journal of Lightwave Technology, 1999, 17, 570-578.	2.7	5
388	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
389	RIN induced by out-band dispersion in fibre Bragg grating based add-drop multiplexers. Electronics Letters, 1999, 35, 2220.	0.5	3
390	Fibre optic microwave and millimetre-wave filter with high density sampling and very high sidelobe suppression using subnanometre optical spectrum slicing. Electronics Letters, 1999, 35, 494.	0.5	49
391	Experimental demonstration of optical prefiltering in WDM-SCM optical networks employing ultraselective optical bandpass filter. Electronics Letters, 1999, 35, 318.	0.5	5
392	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
393	Analysis of the backreflected signal in an all-fiber bandpass Bragg transmission filter. IEEE Photonics Technology Letters, 1998, 10, 1124-1126.	1.3	10
394	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
395	Experimental demonstration of phase reconstruction from reflectivity in uniform fibre Bragg gratings using the Wiener-Lee transform. Electronics Letters, 1998, 34, 1344.	0.5	11
396	Fibre optic tunable transversal filter using laser array and linearly chirped fibre grating. Electronics Letters, 1998, 34, 1684.	0.5	44

#	ARTICLE	IF	CITATIONS
397	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
398	Microwave phase shifter based on fibre Bragg grating. Electronics Letters, 1998, 34, 2051.	0.5	3
399	Chirped fibre Bragg gratings for phased-array antennas. Electronics Letters, 1997, 33, 545.	0.5	61
400	True Time Delay Scheme for Continuous Optical Control of Phased Array Antennas Employing Chirped Fiber Gratings. , 1997, , .		0
401	Effects of normal mode losses in an all-fibre wavelength division multiplexer/demultiplexer using Bragg gratings. Electronics Letters, 1997, 33, 1782.	0.5	3
402	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
403	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
404	Synthesis of all-optical microwave filters using Mach-Zehnder lattices. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 1458-1462.	2.9	28
405	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
406	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
407	Generalized Bloch wave analysis for fiber and waveguide gratings. Journal of Lightwave Technology, 1997, 15, 1295-1302.	2.7	30
408	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
409	Photonic excess noise in a p-i-n photodetector. Optics Communications, 1997, 135, 37-40.	1.0	4
410	Fully automatic simultaneous fiber grating amplitude and group delay characterization. Microwave and Optical Technology Letters, 1997, 14, 373-375.	0.9	4
411	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
412	Design of apodized linearly chirped fiber gratings for dispersion compensation. Journal of Lightwave Technology, 1996, 14, 2581-2588.	2.7	96
413	Transfer functions of double- and multiple-cavity Fabry-Perot filters driven by Lorentzian sources. Applied Optics, 1996, 35, 7108.	2.1	4
414	Soliton transmission control by super-Gaussian filters. Optics Letters, 1996, 21, 1894.	1.7	5

#	ARTICLE	IF	CITATIONS
415	Iterative solution to the Gel'Fand-Levitan-Marchenko coupled equations and application to synthesis of fiber gratings. IEEE Journal of Quantum Electronics, 1996, 32, 2078-2084.	1.0	126
416	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
417	Reduction of dispersion-induced intensity noise in subcarrier systems by using tapered linearly chirped gratings. Electronics Letters, 1996, 32, 1605.	0.5	4
418	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
419	Optical equalisation of dispersion-induced distortion in subcarrier systems using tapered linearly chirped gratings. Electronics Letters, 1996, 32, 236.	0.5	14
420	Experimental demonstration of fibre-optic delay line filters with negative coefficients. Electronics Letters, 1995, 31, 1095-1096.	0.5	100
421	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
422	Nonlinear distortion analysis in optically prefiltered SCM systems. Microwave and Optical Technology Letters, 1995, 9, 170-172.	0.9	1
423	Source phase-induced noise in unbalanced time domain multiplexed sensor networks. Journal of Lightwave Technology, 1995, 13, 1264-1268.	2.7	0
424	Fibre-optic delay line filter synthesis using a modified PadÃ© method. Electronics Letters, 1995, 31, 479-480.	0.5	17
425	Performance parameters and applications of a modified amplified recirculating delay line. Fiber and Integrated Optics, 1995, 14, 347-358.	1.7	4
426	Synthesis of fiber-optic delay line filters. Journal of Lightwave Technology, 1995, 13, 2003-2012.	2.7	44
427	Solutions to the synthesis problem of optical delay line filters. Optics Letters, 1995, 20, 2438.	1.7	21
428	Fiber-optic delay-line filters employing fiber loops: signal and noise analysis and experimental characterization. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1995, 12, 2129.	0.8	11
429	Amplified double coupler fiber-optic delay line filter. IEEE Photonics Technology Letters, 1995, 7, 75-77.	1.3	12
430	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
431	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
432	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

#	ARTICLE	IF	CITATIONS
433	Theory of integrated ring resonators using electro-optical couplers. <i>Fiber and Integrated Optics</i> , 1995, 14, 245-263.	1.7	2
434	Modeling optically prefiltered AM subcarrier multiplexed systems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1995, 43, 2249-2256.	2.9	3
435	Impact of finite laser linewidth on the performance of OFDM networks employing single-cavity Fabry-Perot demultiplexers. <i>Journal of Lightwave Technology</i> , 1995, 13, 290-296.	2.7	6
436	Optical bistability in nonlinear fiber resonators driven by laser sources of arbitrary coherence. <i>IEEE Journal of Quantum Electronics</i> , 1995, 31, 172-176.	1.0	0
437	Optical equalisation to combat fibre induced distortion in SCM systems. <i>Electronics Letters</i> , 1994, 30, 1703-1704.	0.5	4
438	Discrete time fiber-optic signal processors using optical amplifiers. <i>Journal of Lightwave Technology</i> , 1994, 12, 106-117.	2.7	33
439	A novel highly selective and tunable optical bandpass filter using a fiber grating and a fiber fabry-perot. <i>Microwave and Optical Technology Letters</i> , 1994, 7, 499-501.	0.9	8
440	Optical bistability and differential amplification in nonlinear fiber resonators. <i>IEEE Journal of Quantum Electronics</i> , 1994, 30, 2578-2588.	1.0	30
441	Amplified double recirculating delay line using a 3 λ -3 coupler. <i>Journal of Lightwave Technology</i> , 1994, 12, 1136-1143.	2.7	4
442	Sensitivity analysis of tuned front-end receivers for subcarrier multiplexing systems. <i>Microwave and Optical Technology Letters</i> , 1993, 6, 401-403.	0.9	0
443	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
444	Double-cavity fiber structures as all optical timing extraction circuits for gigabit networks. <i>Fiber and Integrated Optics</i> , 1993, 12, 247-255.	1.7	9
445	Low threshold optical differential amplification using a fibre amplifier in a nonlinear ring resonator. <i>Electronics Letters</i> , 1993, 29, 1249.	0.5	4
446	Investigation of phase-induced intensity noise in amplified fibre-optic recirculating delay line. <i>Electronics Letters</i> , 1993, 29, 346.	0.5	20
447	Crosstalk analysis in optically prefiltered subcarrier multiplexed systems. <i>Electronics Letters</i> , 1993, 29, 2054.	0.5	2
448	Optical programmable transversal filters using fibre amplifiers. <i>Electronics Letters</i> , 1992, 28, 1245.	0.5	18
449	Computer simulation of an all-optical coherent code division multiple-access network. <i>Fiber and Integrated Optics</i> , 1992, 11, 1-24.	1.7	2
450	Structure induced crosstalk in fibre-optic lattice point sensor arrays. <i>Optics Communications</i> , 1992, 89, 33-36.	1.0	0

#	ARTICLE	IF	CITATIONS
451	Time domain analysis of a direct-coupled fiber ring resonator. Optics Communications, 1992, 92, 283-290.	1.0	4
452	Transmission bistability in a double-coupler fiber ring resonator. Optics Letters, 1991, 16, 907.	1.7	58
453	Optical differential amplification in nonlinear fibre ring resonator. Electronics Letters, 1991, 27, 1810.	0.5	9
454	Optical pulse sequence transmission through single-mode fibers: interference signal analysis. Journal of Lightwave Technology, 1991, 9, 27-36.	2.7	10
455	Investigation on spectral behaviour of novel direct coupling compound fibre ring resonator. Electronics Letters, 1990, 26, 772.	0.5	2
456	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
457	A new transfer matrix formalism for the analysis of fiber ring resonators: compound coupled structures for FDMA demultiplexing. Journal of Lightwave Technology, 1990, 8, 1904-1919.	2.7	71
458	Optical pulse sequence transmission through monomode fibres under second-and third-order dispersion. Electronics Letters, 1988, 24, 1252.	0.5	3
459	Optical equalization to combat fiber induced distortions in SCM systems. , 0, , .		0
460	Theoretical and experimental characterization of a double coupler fiber-optic delay line filter employing an optical amplifier. , 0, , .		0
461	Full characterization of long periodic superstructure fibre Bragg gratings in multichannel devices. , 0, , .		0
462	Flexible fiber optic delay line filters incorporating electrooptic and electroabsorption modulators. , 0, , .		0
463	WDM grid tunable filter based on a sampled fibre grating and a FFP. , 0, , .		2
464	New fiber-optic microwave filters with complete tunability and reconfiguration properties using a linearly chirped fiber grating fed by a laser array. , 0, , .		3
465	Dynamic optical transversal filters based on a tunable dispersion fiber Bragg grating. , 0, , .		12
466	Automatic and accurate low cost high frequency characterisation technique of chirped fibre Bragg gratings. , 0, , .		1
467	Cross talk floor statistical analysis of arrayed waveguide gratings. , 0, , .		2
468	WDM-SSB generation and dispersion mitigation in radio over fiber systems with improved performance using an AWG multiplexer with flat top resonances. , 0, , .		8

#	ARTICLE	IF	CITATIONS
469	Microwave photonics based on fiber Bragg gratings. , 0, , .		0
470	A single bandpass tunable photonic transversal filter based on a broadband optical source and a mach-zehnder interferometer. , 0, , .		13
471	State of the art and future trends of photonic processing techniques for RF filtering. , 0, , .		0
472	All-optical tunable microwave filters with negative multitaps based on uniform fiber Bragg gratings. , 0, , .		0
473	Tunable dispersion devices based on fibre Bragg gratings. , 0, , .		0
474	Microwave photonic signal processing for wireless systems and optical Internet: overview of the current achievements of the IST-LABELS project. , 0, , .		1
475	All-optical microwave interference mitigation filter. , 0, , .		1
476	Parallel label generation and rewriting configuration for 10 Gb/s/channel DWDM-SCM label swapping using FBG arrays. , 0, , .		4
477	Electrooptic poled fibre switch/modulator. , 0, , .		0
478	Microwave Photonic Signal Processing. , 0, , 191-237.		1
479	Microwave phase shifter based on a fibre Bragg grating operating at constant wavelength. , 0, , .		0