

Salvador Sales

List of Publications by Year in descending order

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243
papers

6,275
citations

81743

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243
all docs

243
docs citations

243
times ranked

3935
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupled-core fiber Bragg gratings for low-cost sensing. Scientific Reports, 2022, 12, 1280.	1.6	13
2	Curvature, twist and pose measurements using fiber Bragg gratings in multi-core fiber: A comparative study between helical and straight core fibers. Sensors and Actuators A: Physical, 2021, 317, 112442.	2.0	25
3	Fiber Optic Shape Sensors: A comprehensive review. Optics and Lasers in Engineering, 2021, 139, 106508.	2.0	136
4	Transition technologies towards 6G networks. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	1.5	25
5	Fiber Bragg Grating Sensors for Underwater Vibration Measurement: Potential Hydropower Applications. Sensors, 2021, 21, 4272.	2.1	8
6	Temperature-insensitive curvature sensor based on Bragg gratings written in strongly coupled multicore fiber. Optics Letters, 2021, 46, 3933.	1.7	12
7	Experimental Demonstration of Extended 5G Digital Fronthaul Over a Partially-Disaggregated WDM/SDM Network. IEEE Journal on Selected Areas in Communications, 2021, 39, 2804-2815.	9.7	3
8	Pultruded FRP Beams with Embedded Fibre Bragg Grating Optical Sensors for Strain Measurement and Failure Detection. Sensors, 2021, 21, 7019.	2.1	6
9	A new procedure for tunnel convergence monitoring using Optical Multicore Fiber Shape Sensor. , 2021, , .		0
10	Experimental study of the influence of FBG length on optical shape sensor performance. Optics and Lasers in Engineering, 2020, 126, 105878.	2.0	22
11	Fiber Optic Refractive Index Distributed Multi-Sensors by Scattering-Level Multiplexing With MgO Nanoparticle-Doped Fibers. IEEE Sensors Journal, 2020, 20, 2504-2510.	2.4	28
12	Regenerated Fiber Bragg Gratings in Multicore Fiber for Multi-Parameter Sensing. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-6.	1.9	12
13	Opto-Mechanical Interactions in Multi-Core Optical Fibers and Their Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-13.	1.9	13
14	Bend-Direction and Rotation Plastic Optical Fiber Sensor. Sensors, 2020, 20, 5405.	2.1	6
15	Strongly coupled multicore fiber with FBGs for multipoint and multiparameter sensing. Optical Fiber Technology, 2020, 58, 102315.	1.4	5
16	Fiber Bragg Gratings for Medical Applications and Future Challenges: A Review. IEEE Access, 2020, 8, 156863-156888.	2.6	187
17	Twisting measurement and compensation of optical shape sensor based on spun multicore fiber. Mechanical Systems and Signal Processing, 2020, 140, 106700.	4.4	36
18	Twisting compensation of optical multicore fiber shape sensors for flexible medical instruments. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
19	Coherent and Incoherent Regimes for Microwave Photonics Fiber Sensing. , 2020, , .		0
20	Fronthaul links based on Analog Radio over Fiber. , 2019, , .		2
21	Refractive Index and Temperature Sensing Using Inter-Core Crosstalk in Multicore Fibers. Journal of Lightwave Technology, 2019, 37, 4703-4709.	2.7	17
22	Effects of core position uncertainty on optical shape sensor accuracy. Measurement: Journal of the International Measurement Confederation, 2019, 139, 21-33.	2.5	19
23	Multi-Core Optical Fibers With Bragg Gratings as Shape Sensor for Flexible Medical Instruments. IEEE Sensors Journal, 2019, 19, 5878-5884.	2.4	136
24	High-Capacity 5G Fronthaul Networks Based on Optical Space Division Multiplexing. IEEE Transactions on Broadcasting, 2019, 65, 434-443.	2.5	49
25	On the Use of Microwave Photonics Techniques for Novel Sensing Applications. , 2019, , .		2
26	Analog Radio over Fiber Links for Future 5G Radio Access Networks. , 2019, , .		11
27	Measurement uncertainty of multicore optical fiber sensors used to sense curvature and bending direction. Measurement: Journal of the International Measurement Confederation, 2019, 132, 35-46.	2.5	34
28	Temperature-insensitive 2D inclinometer based on pendulum-assisted fiber Bragg gratings. , 2019, , .		2
29	Measurement uncertainty of 7-core multicore fiber shape sensors. , 2019, , .		4
30	Multi-fiber distributed thermal profiling of minimally invasive thermal ablation with scattering-level multiplexing in MgO-doped fibers. Biomedical Optics Express, 2019, 10, 1282.	1.5	47
31	Sampled true time delay line operation by inscription of long period gratings in few-mode fibers. Optics Express, 2019, 27, 22787.	1.7	21
32	Multicore optical fiber shape sensors suitable for use under gamma radiation. Optics Express, 2019, 27, 29026.	1.7	19
33	Temperature-insensitive optical tilt sensor based on a single eccentric-core fiber Bragg grating. Optics Letters, 2019, 44, 5570.	1.7	19
34	Multiplexing techniques and applications in fiber-optic spatially resolved sensing networks. , 2019, , .		1
35	Sub-cm Temperature Monitoring of 500 Weak Gratings Array Through Chirped Ultra-Short Light Pulses. , 2019, , .		0
36	Microwave Photonics for Optical Fiber Sensors. , 2019, , .		1

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37	High-voltage fiber sensor based on fiber Bragg grating in poled fiber. , 2019, , .		1
38	Multiplexing of distributed temperature sensing achieved by nanoparticle-doped fibers. , 2019, , .		2
39	Monitoring temperature and vibration in a long weak grating array with short-pulse generation using a compact gain-switching laser diode module. Optics Express, 2019, 27, 38661.	1.7	6
40	Microwave Photonics Filtering Interrogation Technique Under Coherent Regime For Hot Spot Detection on a Weak FBGs Array. Journal of Lightwave Technology, 2018, 36, 1039-1045.	2.7	17
41	Fast Incoherent OFDR Interrogation of FBG Arrays Using Sparse Radio Frequency Responses. Journal of Lightwave Technology, 2018, 36, 4393-4400.	2.7	8
42	Long Period Gratings in Multicore Optical Fibers for Directional Curvature Sensor Implementation. Journal of Lightwave Technology, 2018, 36, 1063-1068.	2.7	92
43	Generation of mmWave 5G Signals Using Microwave Photonics. , 2018, , .		0
44	Experimental Validation of Hybrid WDM/SDM Signal Delivery for Mobile Fronthaul over PONs Using SDN-Enabled Sliceable Bitrate Variable Transceivers. , 2018, , .		1
45	Analog Optical Links for 5G Fronthaul Networks. , 2018, , .		1
46	High Spatial Resolution Fiber Optic Sensors and Their Impact in Biomedical Measurements and Diagnostic. , 2018, , .		0
47	RoF links in the front-haul network for the future 5G communications. , 2018, , .		0
48	Refractive index and temperature sensor based on TFBCs in multicore fiber. , 2018, , .		1
49	Partially Coated Long Period Fiber Bragg Gratings in Multicore Optical Fibers. , 2018, , .		0
50	Opto-Mechanical Point Sensing in a Multi-Core Fiber. , 2018, , .		2
51	Tilted Fiber Bragg Gratings for Selective Coupling in a Multicore Optical Fiber. , 2018, , .		0
52	Spatial Division Multiplexed Microwave Signal processing by selective grating inscription in homogeneous multicore fibers. Scientific Reports, 2017, 7, 41727.	1.6	65
53	Microwave Photonics for Optical Sensors. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 327-339.	1.9	98
54	KLT-Based Interrogation Technique for FBG Multiplexed Sensor Tracking. Journal of Lightwave Technology, 2017, 35, 3387-3392.	2.7	12

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55	Directional curvature sensor based on long period gratings in multicore optical fiber. Proceedings of SPIE, 2017, , .	0.8	3
56	Microwave photonics filtering interrogation technique under coherent regime for hot spot detection on cascaded FBG fiber. Proceedings of SPIE, 2017, , .	0.8	0
57	Phase modulation to intensity modulation conversion for sensitive FBG sensor interrogation. Proceedings of SPIE, 2017, , .	0.8	1
58	New fiber optic sensor for monitoring temperatures in concrete structures during fires. Sensors and Actuators A: Physical, 2017, 254, 116-125.	2.0	30
59	Microwave Photonic Filtering for Interrogating FBG-Based Multicore Fiber Curvature Sensor. IEEE Photonics Technology Letters, 2017, 29, 1707-1710.	1.3	17
60	Multiplexing FBG sensors combining microwave photonics and phase modulation. , 2017, , .		1
61	Space-division Multiplexing for fiber-wireless communications. , 2017, , .		1
62	FBGs based multicore fiber curvature sensor interrogation using microwave photonics filtering techniques. , 2017, , .		0
63	Fiber-distributed Signal Processing: Where the Space Dimension Comes into Play. , 2017, , .		2
64	Characterization of a FBG sensor interrogation system based on a mode-locked laser scheme. Optics Express, 2017, 25, 24650.	1.7	12
65	Tilted fiber Bragg gratings in multicore optical fibers for optical sensing. Optics Letters, 2017, 42, 1460.	1.7	33
66	Microwave Signal Processing over Multicore Fiber. Photonics, 2017, 4, 49.	0.9	6
67	Low Cost Plastic Optical Fiber Pressure Sensor Embedded in Mattress for Vital Signal Monitoring. Sensors, 2017, 17, 2900.	2.1	41
68	Multicore fiber-Bragg-grating-based directional curvature sensor interrogated by a broadband source with a sinusoidal spectrum. Optics Letters, 2017, 42, 3710.	1.7	41
69	Selective Grating Inscription in Multicore Fibers for Radiofrequency Signal Processing. , 2017, , .		3
70	FBGs cascade interrogation technique based on wavelength-to-delay mapping and KLT analysis. Proceedings of SPIE, 2016, , .	0.8	0
71	Foreword to the Special Issue on European Conference on Optical Communications (ECOC 2015). Journal of Lightwave Technology, 2016, 34, 1406-1410.	2.7	0
72	Enhanced accuracy sensors using multicore optical fibres based on RFBGs for temperatures up to 1000Å°C. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
73	Multi-cavity Microwave Photonics devices built upon multicore fibres. , 2016, , .		1
74	All-Optical Fiber Hanbury Brown & Twiss Interferometer to study 1300nm single photon emission of a metamorphic InAs Quantum Dot. Scientific Reports, 2016, 6, 27214.	1.6	30
75	Continuous Broadband MWP True-Time Delay With PbS-PMMA and PbS-SU8 Waveguides. IEEE Photonics Technology Letters, 2016, 28, 1657-1660.	1.3	3
76	Simultaneous measurement of humidity and temperature based on a partially coated optical fiber long period grating. Sensors and Actuators B: Chemical, 2016, 227, 135-141.	4.0	115
77	Experimental and analytical evaluation of the response time of high temperature fiber optic sensors. Sensors and Actuators A: Physical, 2016, 243, 167-174.	2.0	18
78	Spot event detection along a large-scale sensor based on ultra-weak fiber Bragg gratings using time-frequency analysis. Applied Optics, 2016, 55, 1054.	2.1	5
79	Interrogation of a Sensor Array of Identical Weak FBGs Using Dispersive Incoherent OFDR. IEEE Photonics Technology Letters, 2016, 28, 1154-1156.	1.3	22
80	Continuous Liquid-Level Sensor Based on a Long-Period Grating and Microwave Photonics Filtering Techniques. IEEE Sensors Journal, 2016, 16, 1652-1658.	2.4	33
81	Parallel Recording of Single Quantum Dot Optical Emission Using Multicore Fibers. IEEE Photonics Technology Letters, 2016, 28, 1257-1260.	1.3	4
82	Magnetic actuator based on giant magnetostrictive material Terfenol-D with strain and temperature monitoring using FBG optical sensor. Measurement: Journal of the International Measurement Confederation, 2016, 80, 201-206.	2.5	48
83	[INVITED] Cascade FBGs distributed sensors interrogation using microwave photonics filtering techniques. Optics and Laser Technology, 2016, 77, 144-150.	2.2	10
84	Reconfigurable Radio Access Networks Using Multicore Fibers. IEEE Journal of Quantum Electronics, 2016, 52, 1-7.	1.0	379
85	MWP true time delay implemented in PbS-SU8 waveguides. , 2015, , .		0
86	Multipoint Two-Dimensional Curvature Optical Fiber Sensor Based on a Nontwisted Homogeneous Four-Core Fiber. Journal of Lightwave Technology, 2015, 33, 2445-2450.	2.7	95
87	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
88	MWP phase shifters integrated in PbS-SU8 waveguides. Optics Express, 2015, 23, 14351.	1.7	11
89	Interrogation of a cascaded FBG sensor using a wavelength-to-delay mapping technique. , 2015, , .		0
90	Enhancement of the sensitivity of a temperature sensor based on fiber Bragg gratings via weak value amplification. Optics Letters, 2015, 40, 3962.	1.7	49

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91	Evaluation of new regenerated fiber Bragg grating high-temperature sensors in an ISO 834 fire test. Fire Safety Journal, 2015, 71, 332-339.	1.4	24
92	Monitorización de deformaciones y temperaturas en la estructura de un túnel artificial de alta velocidad mediante sensores ópticos puntuales, de longitud y distribuidos. Informes De La Construcción, 2015, 67, e071.	0.1	1
93	Experimental and numerical analysis of a hybrid FBC long gauge sensor for structural health monitoring. Measurement Science and Technology, 2014, 25, 125107.	1.4	7
94	Temperature gradient measurements based on a long fiber Bragg grating and time-domain analysis. , 2014, , .		0
95	Monitoring of reinforced composites processed by microwave radiation using fiber-Bragg gratings. Proceedings of SPIE, 2014, , .	0.8	2
96	Weak fiber Bragg grating cascade sensor interrogation using microwave photonic filtering techniques. , 2014, , .		3
97	Temperature Gradient Sensor Based on a Long Fiber Bragg Grating and Time Waveform Analysis. , 2014, , .		0
98	Very high Q-factor microwave photonic FIR filter based on a ultralong FBG cascade. , 2014, , .		2
99	Enhanced response in Brillouin distributed optical fibre sensors by simultaneous time and frequency pump multiplexing. Proceedings of SPIE, 2014, , .	0.8	1
100	Novel technique for distributed fibre sensing based on faint long gratings (FLOGs). Proceedings of SPIE, 2014, , .	0.8	9
101	Multipoint two-dimensional curvature optical fibre sensor. Proceedings of SPIE, 2014, , .	0.8	1
102	Time and frequency pump-probe multiplexing to enhance the signal response of Brillouin optical time-domain analyzers. Optics Express, 2014, 22, 28584.	1.7	34
103	Microwave Photonics Filtering Technique for Interrogating a Very-Weak Fiber Bragg Grating Cascade Sensor. IEEE Photonics Journal, 2014, 6, 1-10.	1.0	35
104	Microwave photonics filtering technique for interrogating long weak fiber Bragg grating sensors. , 2014, , .		0
105	Time resolved emission at 1.3 μ m of a single InAs quantum dot by using a tunable fibre Bragg grating. Nanotechnology, 2014, 25, 035204.	1.3	11
106	Colloidal Quantum Dots-PMMA Waveguides as Integrable Microwave Photonic Phase Shifters. IEEE Photonics Technology Letters, 2014, 26, 402-404.	1.3	10
107	Temperature gradient sensor based on a long-fiber Bragg grating and time-frequency analysis. Optics Letters, 2014, 39, 5729.	1.7	24
108	Microwave photonic devices based on multicore fibers. , 2014, , .		4

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109	Long Weak FBG Sensor Interrogation Using Microwave Photonics Filtering Technique. IEEE Photonics Technology Letters, 2014, 26, 2039-2042.	1.3	29
110	Application of fiber optic high temperature sensors for structural monitoring of structures submitted to fire. IABSE Symposium Report, 2014, , .	0.0	1
111	Integrable microwave photonic phase-shifter based on Colloidal Quantum Dots-PMMA waveguide. , 2013, , .		0
112	A microwave photonics transistor. , 2013, , .		3
113	Integrated microwave photonics. Laser and Photonics Reviews, 2013, 7, 506-538.	4.4	614
114	Microwave Photonic Signal Processing. Journal of Lightwave Technology, 2013, 31, 571-586.	2.7	494
115	Time-frequency analysis of long fiber Bragg gratings with low reflectivity. Optics Express, 2013, 21, 7171.	1.7	21
116	High-temperature optical sensor based in high birefringence regenerated FBGs and a simple interrogation scheme. , 2013, , .		5
117	A High-Temperature Fiber Sensor Using a Low Cost Interrogation Scheme. Sensors, 2013, 13, 11653-11659.	2.1	7
118	Fiber optic liquid-level sensor using a long fiber Bragg grating. Proceedings of SPIE, 2013, , .	0.8	3
119	Integrated microwave photonic phase-shifters based on colloidal quantum dots-PMMA nanocomposite waveguides. , 2013, , .		0
120	Long fiber Bragg grating sensor interrogation using discrete-time microwave photonic filtering techniques. Optics Express, 2013, 21, 28175.	1.7	56
121	Tunable and reconfigurable multi-tap microwave photonic filter based on dynamic Brillouin gratings in fibers. Optics Express, 2012, 20, 6157.	1.7	88
122	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
123	Figures of merit for microwave photonic phase shifters based on semiconductor optical amplifiers. Optics Express, 2012, 20, 10519.	1.7	3
124	Ultracompact electro-optic phase modulator based on III-V-on-silicon microdisk resonator. Optics Letters, 2012, 37, 2379.	1.7	14
125	Bend Sensor Using Fiber Bragg Gratings to Determinate the Distance from the Sensor to the Neutral Axis in Compression and Extension. IEEE Latin America Transactions, 2012, 10, 2040-2044.	1.2	1
126	Recent implementations of fiber and integrated tunable microwave photonics filters. , 2012, , .		0

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127	Packaged Optical Sensors Based on Regenerated Fiber Bragg Gratings for High Temperature Applications. IEEE Sensors Journal, 2012, 12, 107-112.	2.4	100
128	Integrated microwave photonic dispersive delay line. , 2012, , .		0
129	Temperature Sensor Based on Colloidal Quantum Dotsâ€“PMMA Nanocomposite Waveguides. IEEE Sensors Journal, 2012, 12, 3069-3074.	2.4	26
130	Integrable microwave filter based on a photonic crystal delay line. Nature Communications, 2012, 3, 1075.	5.8	154
131	Periodic Time-Domain Modulation for the Electrically Tunable Control of Optical Pulse Train Envelope and Repetition Rate Multiplication. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 377-383.	1.9	18
132	Optical signal processing with electrooptic modulators and dispersion. , 2011, , .		0
133	Performance metrics evaluation of cascaded SOA based slow light microwave photonic phase shifters. , 2011, , .		0
134	Slow light fiber systems in microwave photonics. Proceedings of SPIE, 2011, , .	0.8	4
135	Recent Breakthroughs in Microwave Photonics. IEEE Photonics Journal, 2011, 3, 311-315.	1.0	14
136	Fiber Bragg grating sensors embedded in concrete samples for a normalized fire test. Proceedings of SPIE, 2011, , .	0.8	2
137	Optical fiber sensors embedded in concrete for measurement of temperature in a real fire test. Optical Engineering, 2011, 50, 124404.	0.5	5
138	Harnessing slow light. Nature Photonics, 2011, 5, 731-733.	15.6	38
139	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
140	Complex-coefficient microwave photonic tunable filter using slow light silicon-on-insulator-based microring resonator. , 2011, , .		0
141	True time delays and phase shifters based on slow light technologies for microwave photonics applications. , 2011, , .		0
142	Tunable complex-valued multi-tap microwave photonic filter based on single silicon-on-insulator microring resonator. Optics Express, 2011, 19, 12402.	1.7	52
143	Fully tunable 360Â° microwave photonic phase shifter based on a single semiconductor optical amplifier. Optics Express, 2011, 19, 17421.	1.7	47
144	WDM compatible and electrically tunable SPE-OCDMA system based on the temporal self-imaging effect. Optics Letters, 2011, 36, 400.	1.7	4

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145	2π microwave photonic phase shifter based on single semiconductor optical amplifier. , 2011, , .		1
146	Performance of a high-temperature sensor based on regenerated fiber Bragg gratings. Proceedings of SPIE, 2011, , .	0.8	5
147	Intermodulation and Harmonic Distortion in Slow Light SOA based Microwave Photonic Phase Shifters. , 2011, , .		0
148	Wavelength encoded fiber sensor for extreme temperature range. Proceedings of SPIE, 2010, , .	0.8	2
149	Harmonic Distortion in Slow Light SOA based Microwave Photonic Phase Shifters. , 2010, , .		0
150	Fiber Strain Measurement for Wide Region Quasidistributed Sensing by Optical Correlation Sensor with Region Separation Techniques. Journal of Sensors, 2010, 2010, 1-10.	0.6	4
151	Chemical composition gratings in Germanium doped and Boron-Germanium co-doped fibers. Proceedings of SPIE, 2010, , .	0.8	8
152	Figures of merit for Microwave Photonic phase shifters based on coherent population oscillation slow and fast light effects. , 2010, , .		0
153	Monitoring of a steel incrementally launched bridge construction with strain and temperature FBGs sensors. , 2010, , .		5
154	Evaluation of serial multiplexed photonic crystal fiber interferometric sensors. , 2010, , .		0
155	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
156	Noise Spectrum Characterization of Slow Light SOA-Based Microwave Photonic Phase Shifters. IEEE Photonics Technology Letters, 2010, 22, 1005-1007.	1.3	7
157	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
158	Wideband 360° microwave photonic phase shifter based on slow light in semiconductor optical amplifiers. Optics Express, 2010, 18, 6156.	1.7	97
159	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
160	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
161	Low-Loss Photonic Crystal Fiber Interferometers for Sensor Networks. Journal of Lightwave Technology, 2010, 28, 3542-3547.	2.7	48
162	Slow and Fast Light Effects and Their Applications to Microwave Photonics Using Semiconductor Optical Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3022-3038.	2.9	46

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163	On the noise performance of slow light SOA-based microwave photonic phase shifters. , 2010, , .		0
164	True Time Delay on tunable Microwave Photonic Filter based on Stimulated Brillouin Scattering in fibers. , 2010, , .		1
165	Optical Code Division Multiple Access coder/decoder pairs based on temporal optical pulse shaping with fiber Bragg Gratings and electrooptic modulators. , 2010, , .		0
166	Controlling the Speed of Light in Semiconductor Waveguides: Physics and Applications. , 2009, , .		0
167	Optical pulse train repetition rate and envelope control based on the optical fourier transform. , 2009, , .		0
168	Microwave photonics processing controlling the speed of light in semiconductor waveguides. , 2009, , .		0
169	Novel system to interrogate distributed fiber strain sensors and point temperature sensors based on pulse correlation and FBGs. Proceedings of SPIE, 2009, , .	0.8	0
170	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
171	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
172	Influence of the Grating Parameters on the Polarization Properties of Fiber Bragg Gratings. Journal of Lightwave Technology, 2009, 27, 1000-1010.	2.7	31
173	Widely Tunable Microwave Photonic Notch Filter Based on Slow and Fast Light Effects. IEEE Photonics Technology Letters, 2009, 21, 167-169.	1.3	69
174	Hybrid Interrogation System for Distributed Fiber Strain Sensors and Point Temperature Sensors Based on Pulse Correlation and FBGs. IEEE Photonics Technology Letters, 2009, 21, 1671-1673.	1.3	4
175	PDL and DGD Reduction in Bragg Gratings Using Twisted Fibers for the Inscription. IEEE Photonics Technology Letters, 2009, 21, 1689-1691.	1.3	2
176	Experimental demonstration of a FBG-based temporal optical pulse shaping scheme dual to spatial arrangements for its use in OCDMA systems. , 2009, , .		1
177	Experimental Demonstration of a FBG-Based Temporal Optical Pulse Shaping Scheme Dual to Spatial Arrangements for its Use in OCDMA Systems. , 2009, , .		0
178	Slow and fast light effects in semiconductor waveguides for applications in microwave photonics. Proceedings of SPIE, 2009, , .	0.8	0
179	Experimental Demonstration of 360° Tunable RF Phase Shift Using Slow and Fast Light Effects. , 2009, , .		9
180	Demonstration of Tunable Microwave Photonic Notch Filters Using Slow and Fast Light Effects in Semiconductor Optical Amplifiers. , 2009, , .		1

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181	Relationship Between Chromatic Dispersion and Differential Group Delay in Weakly Birefringent Fiber Gratings. IEEE Photonics Technology Letters, 2008, 20, 437-439.	1.3	1
182	Analysis of the Dynamic Responses of SOA Wavelength Converters Using Linear Frequency Resolved Gating Technique. IEEE Photonics Technology Letters, 2008, 20, 1079-1081.	1.3	1
183	Enhancing light slow-down in semiconductor optical amplifiers by optical filtering. Optics Letters, 2008, 33, 1084.	1.7	72
184	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
185	Effect and optimization of burst assembly algorithms for video traffic transmissions over OBS networks. , 2008, , .		3
186	Slow and fast light effects in semiconductor waveguides for applications in microwave photonics. , 2008, , .		0
187	Broadband microwave photonic phase shifter based on polarisation rotation. Electronics Letters, 2008, 44, 684.	0.5	5
188	Microwave phase shifter based on Mach-Zehnder intensity modulator and polarization rotation in an SOA. , 2008, , .		0
189	Amplified CWDM self-referencing sensor network based on phase-shifted FBGs in transmissive configuration. , 2008, , .		3
190	Fiber Bragg gratings for measuring pH and strain in concrete structures. Proceedings of SPIE, 2008, , .	0.8	0
191	Applications of the Slow and Fast Light Effects in SOA-EA Structures in the Radio Over Fiber Links. , 2007, , .		0
192	Transverse force sensor exploiting the birefringence effect in uniform fibre Bragg gratings. , 2007, , .		11
193	Determination of the fiber birefringence induced by transversal loads by means of fiber Bragg gratings. Proceedings of SPIE, 2007, , .	0.8	0
194	Fiber optic-based sensors design to test concrete structures. , 2007, , .		0
195	Coherent direct sequence optical code multiple access encoding-decoding efficiency versus wavelength detuning. Optics Letters, 2007, 32, 1896.	1.7	8
196	Synthesis of 1D Bragg gratings by a layer-aggregation method. Optics Letters, 2007, 32, 2312.	1.7	5
197	All-Optical flip-flop operation using a SOA and DFB laser diode optical feedback combination. Optics Express, 2007, 15, 6190.	1.7	24
198	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

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199	Transverse Strain Measurements Using the Birefringence Effect in Fiber Bragg Gratings. IEEE Photonics Technology Letters, 2007, 19, 966-968.	1.3	52
200	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
201	Continuous tuning of photonic transversal filter based on the modification of tapped weights. IEEE Photonics Technology Letters, 2006, 18, 1594-1596.	1.3	17
202	Use of the polarization properties of fiber Bragg gratings for sensing purposes. , 2006, 6189, 516.		1
203	Discrete-time optical Processing of microwave signals. Journal of Lightwave Technology, 2005, 23, 702-723.	2.7	337
204	Spectral characterization of differential group delay in uniform fiber Bragg gratings. Optics Express, 2005, 13, 9954.	1.7	36
205	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
206	Metropolitan Optical Networks: When to Change to DWDM. Fiber and Integrated Optics, 2004, 23, 109-120.	1.7	1
207	Introduction to the Special Issue: Fiber Optics in Spain. Fiber and Integrated Optics, 2004, 23, 57-58.	1.7	0
208	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
209	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
210	A new fibre optic sensor independent of temperature variations and fabricated with fibre Bragg gratings. , 2004, , .		0
211	A new interrogation system for a large number of strain sensors using fiber Bragg grating for application in residential buildings. , 2004, , .		0
212	Experimental characterization of XGM-SOA-based wavelength converted SCM systems. IEEE Photonics Technology Letters, 2003, 15, 114-116.	1.3	7
213	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
214	Wavelength conversion of SCM signals using semiconductor optical amplifiers: theory, experiments, and applications. Journal of Lightwave Technology, 2003, 21, 961-972.	2.7	8
215	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
216	Arrayed waveguide Sagnac interferometer. Optics Letters, 2003, 28, 197.	1.7	9

#	ARTICLE	IF	CITATIONS
217	Tunable all-optical negative multitap microwave filters based on uniform fiber Bragg gratings. Optics Letters, 2003, 28, 1308.	1.7	79
218	Microwave photonic filters with negative coefficients based on phase inversion in an electro-optic modulator. Optics Letters, 2003, 28, 1415.	1.7	127
219	Optical microwave filter based on spectral slicing by use of arrayed waveguide gratings. Optics Letters, 2003, 28, 1802.	1.7	65
220	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
221	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
222	Tunable chirped fibre Bragg grating device controlled by variable magnetic fields. Electronics Letters, 2002, 38, 118.	0.5	16
223	Multiwavelength optical SSB generation for dispersion mitigation in WDM fibre radio systems using AWG multiplexer. Electronics Letters, 2002, 38, 1194.	0.5	11
224	Effects of fourth-order dispersion in very high-speed optical time-division multiplexed transmission. Optics Letters, 2002, 27, 960.	1.7	11
225	Optical mixing of microwave signals in a nonlinear semiconductor laser amplifier modulator. Optics Express, 2002, 10, 183.	1.7	14
226	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
227	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
228	Reconfigurable fiber-optic-based RF filters using current injection in multimode lasers. IEEE Photonics Technology Letters, 2001, 13, 1224-1226.	1.3	26
229	"Cross-phase wavelength conversion of scm signals: harmonic and intermodulation distortion analysis". IEEE Photonics Technology Letters, 2001, 13, 1376-1376.	1.3	0
230	Cross-phase wavelength conversion of SCM signals: harmonic and intermodulation distortion analysis. IEEE Photonics Technology Letters, 2001, 13, 723-725.	1.3	2
231	Synthesis of all-optical microwave filters using Mach-Zehnder lattices. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 1458-1462.	2.9	28
232	Experimental demonstration of fibre-optic delay line filters with negative coefficients. Electronics Letters, 1995, 31, 1095-1096.	0.5	100
233	Source phase-induced noise in unbalanced time domain multiplexed sensor networks. Journal of Lightwave Technology, 1995, 13, 1264-1268.	2.7	0
234	Synthesis of fiber-optic delay line filters. Journal of Lightwave Technology, 1995, 13, 2003-2012.	2.7	44

#	ARTICLE	IF	CITATIONS
235	Solutions to the synthesis problem of optical delay line filters. Optics Letters, 1995, 20, 2438.	1.7	21
236	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
237	Amplified double coupler fiber-optic delay line filter. IEEE Photonics Technology Letters, 1995, 7, 75-77.	1.3	12
238	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
239	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
240	Theory of integrated ring resonators using electro-optical couplers. Fiber and Integrated Optics, 1995, 14, 245-263.	1.7	2
241	Dynamic optical transversal filters based on a tunable dispersion fiber Bragg grating. , 0, , .		12
242	Physical layer limitations in high-speed electro/optical nodes. The european approach. , 0, , .		0
243	Microwave Photonic Signal Processing. , 0, , 191-237.		1