Manuel Lopez-Amo

List of Publications by Year
in descending order

258	3,933	126858	175177
papers	citations	33 h-index	52 g-index

260	260	260	2462
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical fiber humidity sensor based on a tapered fiber coated with agarose gel. Sensors and Actuators B: Chemical, 2000, 69, 127-131.	4.0	239
2	Photonic Crystal Fibers for Sensing Applications. Journal of Sensors, 2012, 2012, 1-21.	0.6	232
3	Multiwavelength fiber laser sources with Bragg-grating sensor multiplexing capability. Journal of Lightwave Technology, 2001, 19, 553-558.	2.7	215
4	Fiber Bragg gratingâ€"based self-referencing technique for wavelength-multiplexed intensity sensors. Optics Letters, 2002, 27, 222.	1.7	94
5	High precision micro-displacement fiber sensor through a suspended-core Sagnac interferometer. Optics Letters, 2012, 37, 202.	1.7	84
6	Multiwavelength fiber laser based on a photonic crystal fiber loop mirror with cooperative Rayleigh scattering. Applied Physics B: Lasers and Optics, 2010, 99, 391-395.	1.1	74
7	Polyaniline-coated tilted fiber Bragg gratings for pH sensing. Sensors and Actuators B: Chemical, 2018, 254, 1087-1093.	4.0	71
8	Internal modulation of a random fiber laser. Optics Letters, 2013, 38, 1542.	1.7	70
9	Temperature Fiber Laser Sensor Based on a Hybrid Cavity and a Random Mirror. Journal of Lightwave Technology, 2012, 30, 1168-1172.	2.7	67
10	A High-Performance Optical Time-Domain Brillouin Distributed Fiber Sensor. IEEE Sensors Journal, 2008, 8, 1268-1272.	2.4	63
11	Multiwavelength Raman Fiber Lasers Using Hi-Bi Photonic Crystal Fiber Loop Mirrors Combined With Random Cavities. Journal of Lightwave Technology, 2011, 29, 1482-1488.	2.7	61
12	A quasi-distributed level sensor based on a bent side-polished plastic optical fibre cable. Measurement Science and Technology, 2007, 18, 2261-2267.	1.4	59
13	Optical Fiber Networks for Remote Fiber Optic Sensors. Sensors, 2012, 12, 3929-3951.	2.1	58
14	Stable Multiwavelength Erbium Fiber Ring Laser With Optical Feedback for Remote Sensing. Journal of Lightwave Technology, 2015, 33, 2439-2444.	2.7	55
15	L-Band Multiwavelength Single-Longitudinal Mode Fiber Laser for Sensing Applications. Journal of Lightwave Technology, 2012, 30, 1173-1177.	2.7	53
16	SnO2-MOF-Fabry-Perot optical sensor for relative humidity measurements. Sensors and Actuators B: Chemical, 2018, 257, 189-199.	4.0	53
17	Experimental Evidence of Coherence Resonance in a Time-Delayed Bistable System. Physical Review Letters, 2007, 99, 023903.	2.9	48
18	Stabilization of Dual-Wavelength Erbium-Doped Fiber Ring Lasers by Single-Mode Operation. IEEE Photonics Technology Letters, 2010, 22, 368-370.	1.3	48

#	Article	IF	Citations
19	Optical fiber strain gauge based on a tapered single-mode fiber. Sensors and Actuators A: Physical, 2000, 79, 90-96.	2.0	46
20	Narrow-Linewidth Multi-Wavelength Random Distributed Feedback Laser. Journal of Lightwave Technology, 2015, 33, 3591-3596.	2.7	44
21	Tapered optical-fiber temperature sensor. Microwave and Optical Technology Letters, 1996, 11, 93-95.	0.9	43
22	Tunable SESAM-Based Mode-Locked Soliton Fiber Laser in Linear Cavity by Axial-Strain Applied to an FBG. Journal of Lightwave Technology, 2017, 35, 5003-5009.	2.7	43
23	Fiber-based 205-mW (27% efficiency) power-delivery system for an all-fiber network with optoelectronic sensor units. Applied Optics, 1999, 38, 2463.	2.1	42
24	Fully switchable multiwavelength fiber laser assisted by a random mirror. Optics Letters, 2014, 39, 2020.	1.7	42
25	Real-Time FFT Analysis for Interferometric Sensors Multiplexing. Journal of Lightwave Technology, 2015, 33, 354-360.	2.7	39
26	Amplified fiber-optic recirculating delay lines. Journal of Lightwave Technology, 1994, 12, 294-305.	2.7	38
27	Fiberâ€optic sensor active networking with distributed erbiumâ€doped fiber and Raman amplification. Laser and Photonics Reviews, 2008, 2, 480-497.	4.4	38
28	High-Resolution Sensor System Using a Random Distributed Feedback Fiber Laser. Journal of Lightwave Technology, 2016, 34, 4596-4602.	2.7	37
29	Fiber optic sensor networks. Optical Fiber Technology, 2013, 19, 689-699.	1.4	36
30	Ultra-Long Laser Systems for Remote Fiber Bragg Gratings Arrays Interrogation. IEEE Photonics Technology Letters, 2013, 25, 1362-1364.	1.3	36
31	Dual-Wavelength Single-Longitudinal Mode Fiber Laser Using Phase-Shift Bragg Gratings. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 161-165.	1.9	36
32	Random DFB Fiber Laser for Remote (200 km) Sensor Monitoring Using Hybrid WDM/TDM. Journal of Lightwave Technology, 2016, 34, 4430-4436.	2.7	35
33	Remote (250 km) Fiber Bragg Grating Multiplexing System. Sensors, 2011, 11, 8711-8720.	2.1	34
34	Tapered optical-fiber-based pressure sensor. Optical Engineering, 2000, 39, 2241.	0.5	33
35	Suspended-core fiber Sagnac combined dual-random mirror Raman fiber laser. Optics Express, 2011, 19, 11906.	1.7	33
36	Wavelength-division-multiplexed distributed optical fiber amplifier bus network for data and sensors. Optics Letters, 1993, 18, 1159.	1.7	30

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37	Resilient Amplified Double-Ring Optical Networks to Multiplex Optical Fiber Sensors. Journal of Lightwave Technology, 2009, 27, 1301-1306.	2.7	30
38	Stability Comparison of Two Ring Resonator Structures for Multiwavelength Fiber Lasers Using Highly Doped Er-Fibers. Journal of Lightwave Technology, 2009, 27, 2563-2569.	2.7	30
39	Multimodal Interferometer Based on a Suspended Core Fiber for Simultaneous Measurement of Physical Parameters. Journal of Lightwave Technology, 2015, 33, 2468-2473.	2.7	30
40	Tunable Dual-Wavelength Random Distributed Feedback Fiber Laser With Bidirectional Pumping Source. Journal of Lightwave Technology, 2016, 34, 4148-4153.	2.7	30
41	Long-range hybrid network with point and distributed Brillouin sensors using Raman amplification. Optics Express, 2010, 18, 9531.	1.7	29
42	Multi-wavelength fiber laser in single-longitudinal mode operation using a photonic crystal fiber Sagnac interferometer. Applied Physics B: Lasers and Optics, 2013, 110, 303-308.	1.1	29
43	Single and double distributed optical amplifier fiber bus networks with wavelength-division multiplexing for photonic sensors. Optics Letters, 1999, 24, 805.	1.7	28
44	Optically tunable fiber optic delay generator utilizing photochromic doped solâ€gel gelâ€glass delay line. Journal of Applied Physics, 1995, 77, 2804-2805.	1.1	26
45	Resilient long-distance sensor system using a multiwavelength Raman laser. Measurement Science and Technology, 2010, 21, 094017.	1.4	25
46	Ultralong 250 km remote sensor system based on a fiber loop mirror interrogated by an optical time-domain reflectometer. Optics Letters, 2011, 36, 4059.	1.7	25
47	Micro-Displacement Sensor Based on a Hollow-Core Photonic Crystal Fiber. Sensors, 2012, 12, 17497-17503.	2.1	24
48	Dual-wavelength single-longitudinal-mode erbium fiber laser for temperature measurements. Optical Engineering, 2014, 53, 036106.	0.5	24
49	Interrogation of a Suspended-Core Fabryâ€“Perot Temperature Sensor Through a Dual Wavelength Raman Fiber Laser. Journal of Lightwave Technology, 2010, , .	2.7	23
50	Remote (155 km) Fiber Bragg Grating Interrogation Technique Combining Raman, Brillouin, and Erbium Gain in a Fiber Laser. IEEE Photonics Technology Letters, 2011, 23, 621-623.	1.3	23
51	Interrogation of wavelength multiplexed fiber bragg gratings using spectral filtering and amplitude-to-phase optical conversion. Journal of Lightwave Technology, 2003, 21, 127-131.	2.7	21
52	Watt-level green random laser at 532â€‰â€‰nm by SHG of a Yb-doped fiber laser. Optics Letters, 2018, 43, 4284.	4.7	21
53	Study of Optical Fiber Sensors for Cryogenic Temperature Measurements. Sensors, 2017, 17, 2773.	2.1	20
54	Ultra-long (290 km) remote interrogation sensor network based on a random distributed feedback fiber laser. Optics Express, 2018, 26, 27189.	1.7	20

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55	Single-longitudinal mode laser structure based on a very narrow filtering technique. Optics Express, 2013, 21, 10289.	1.7	19
56	Improved double-fiber-bus with distributed optical amplification for wavelength-division multiplexing of photonic sensors. IEEE Photonics Technology Letters, 2000, 12, 1270-1272.	1.3	18
57	Single-Longitudinal-Mode Dual Wavelength-Switchable Fiber Laser Based on Superposed Fiber Bragg Gratings. IEEE Photonics Journal, 2015, 7, 1-7.	1.0	18
58	Comparison of the Stability of Ring Resonator Structures for Multiwavelength Fiber Lasers Using Raman or Er-Doped Fiber Amplification. IEEE Journal of Quantum Electronics, 2009, 45, 1551-1557.	1.0	17
59	Hybrid OTDR-Fiber Laser System for Remote Sensor Multiplexing. IEEE Sensors Journal, 2012, 12, 174-178.	2.4	17
60	All-PM Fiber Loop Mirror Interferometer Analysis and Simultaneous Measurement of Temperature and Mechanical Vibration. Journal of Lightwave Technology, 2018, 36, 1105-1111.	2.7	17
61	Barrier sensor based on plastic optical fiber to determine the wind speed at a wind generator. IEEE Journal of Selected Topics in Quantum Electronics, 2000, 6, 773-779.	1.9	16
62	Compact and highly-efficient polarization independent vertical resonant couplers for active-passive monolithic integration. Optics Express, 2008, 16, 8350.	1.7	16
63	Robust fiber-optic sensor networks. Photonic Sensors, 2012, 2, 366-380.	2.5	16
64	High resolution polarization-independent high-birefringence fiber loop mirror sensor. Optics Express, 2015, 23, 30985.	1.7	16
65	Fully Switchable Multi-Wavelength Fiber Lasers Based on Random Distributed Feedback for Sensors Interrogation. Journal of Lightwave Technology, 2015, 33, 2598-2604.	2.7	16
66	Experimental and Numerical Characterization of a Hybrid Fabry-PÃ©rot Cavity for Temperature Sensing. Sensors, 2015, 15, 8042-8053.	2.1	16
67	Simultaneous Measurement of Humidity and Vibration Based on a Microwire Sensor System Using Fast Fourier Transform Technique. Journal of Lightwave Technology, 2016, 34, 4525-4530.	2.7	15
68	Sensitivity Optimization of a Microstructured Optical Fiber Ammonia Gas Sensor by Means of Tuning the Thickness of a Metal Oxide Nano-Coating. IEEE Sensors Journal, 2019, 19, 4982-4991.	2.4	15
69	Quasi-distributed vibration sensing using OFDR and weak reflectors. Optics Letters, 2019, 44, 1884.	1.7	15
70	Single and double distributed optical amplifier fiber bus networks with wavelength division multiplexing for photonic sensors. Journal of Lightwave Technology, 1998, 16, 485-489.	2.7	14
71	<title>Experimental results toward development of humidity sensors by using a hygroscopic material on biconically tapered optical fiber</title>. , 1998, , .		14
72	Low-cost optical amplitude modulator based on a tapered single-mode optical fiber. Applied Optics, 2001, 40, 228.	2.1	14

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73	Polarized optical feedback from an extremely short external cavity for controlling and stabilizing the polarization of vertical cavity surface emitting lasers. Applied Physics Letters, 2007, 90, 121104.	1.5	14
74	Low noise dual-wavelength erbium fiber laser in single-longitudinal-mode operation. Applied Physics B: Lasers and Optics, 2012, 106, 563-567.	1.1	14
75	Multiplexing of six micro-displacement suspended-core Sagnac interferometer sensors with a Raman-Erbium fiber laser. Optics Express, 2013, 21, 2971.	1.7	14
76	Simultaneous Strain and Temperature Multipoint Sensor Based on Microstructured Optical Fiber. Journal of Lightwave Technology, 2018, 36, 910-916.	2.7	14
77	Transmitted Optical Power through a Tapered Single-Mode Fiber under Dynamic Bending Effects. Fiber and Integrated Optics, 2003, 22, 173-187.	1.7	13
78	WDM bi-directional transmission over 35 km amplified fiber-optic bus network using Raman amplification for optical sensors. Optics Express, 2005, 13, 9666.	1.7	13
79	Stability comparison of two quadruple-wavelength switchable erbium-doped fiber lasers. Optical Fiber Technology, 2010, 16, 205-211.	1.4	13
80	An In-Reflection Strain Sensing Head Based on a Hi-Bi Photonic Crystal Fiber. Sensors, 2013, 13, 8095-8102.	2.1	13
81	All-fiber lasers through photonic crystal fibers. Nanophotonics, 2013, 2, 355-368.	2.9	13
82	ECOAL Projectâ€"Delivering Solutions for Integrated Monitoring of Coal-Related Fires Supported on Optical Fiber Sensing Technology. Applied Sciences (Switzerland), 2017, 7, 956.	1.3	13
83	Single Longitudinal Mode Lasers by Using Artificially Controlled Backscattering Erbium Doped Fibers. IEEE Access, 2021, 9, 27428-27433.	2.6	13
84	Spectral shadowing suppression technique in phase-OTDR sensing based on weak fiber Bragg grating array. Optics Letters, 2019, 44, 526.	1.7	13
85	Spectral behavior of a low-cost all-fiber component based on untapered multifiber unions. IEEE Photonics Technology Letters, 1989, 1, 184-187.	1.3	12
86	<title>Experimental design rules for implementing biconically tapered single mode optical fibre displacement sensors</title>. , 1998, , .		12
87	Magnetic Field Sensor Based on Backscattered Intensity Using Ferrofluid. IEEE Photonics Technology Letters, 2013, 25, 1481-1484.	1.3	12
88	Comparison between Different Structures of Suspended-Core Microstructured Optical Fibers for Volatiles Sensing. Sensors, 2018, 18, 2523.	2.1	12
89	Optical fiber lasers assisted by microdrilled optical fiber tapers. Optics Letters, 2019, 44, 2669.	1.7	12
90	Analysis of double-parallel amplified recirculating optical-delay lines. Applied Optics, 1994, 33, 1015.	2.1	11

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91	Tailoring light polarization in vertical cavity surface emitting lasers by isotropic optical feedback from an extremely short external cavity. Applied Physics Letters, 2006, 89, 091102.	1.5	11
92	Double Raman Amplified Bus Networks for Wavelength-Division Multiplexing of Fiber-Optic Sensors. Journal of Lightwave Technology, 2007, 25, 733-739.	2.7	11
93	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
94	46-km-Long Raman Amplified Hybrid Double-Bus Network With Point and Distributed Brillouin Sensors. IEEE Sensors Journal, 2012, 12, 184-188.	2.4	11
95	Concrete Beam Bending Test Monitorization Using a High Strain Fiber Optic Sensor. Journal of Lightwave Technology, 2012, 30, 1085-1089.	2.7	11
96	Comparative study of ring and random cavities for fiber lasers. Applied Optics, 2014, 53, 3501.	0.9	11
97	Optimization of the Available Spectrum of a WDM Sensors Network Using a Mode-Locked Laser. Journal of Lightwave Technology, 2015, 33, 4627-4631.	2.7	11
98	Truly remote fiber optic sensor networks. JPhys Photonics, 2019, 1, 042002.	2.2	11
99	Wavelength-division-multiplexed distributed fiber Raman amplifier bus network for sensors. , 2005, 5855, 242.		10
100	Stability performance of short cavity Er-doped fiber lasers. Optics Communications, 2010, 283, 1067-1070.	1.0	10
101	Multiwavelength fiber ring laser based on optical add-drop multiplexers and a photonic crystal fiber Sagnac interferometer. Optics and Laser Technology, 2013, 48, 72-74.	2.2	10
102	Micro-Displacement Sensor Combined With a Fiber Ring Interrogated by an Optical Time-Domain Reflectometer. IEEE Sensors Journal, 2014, 14, 793-796.	2.4	10
103	Simultaneous measurement of strain and temperature based on clover microstructured fiber loop mirror. Measurement: Journal of the International Measurement Confederation, 2015, 65, 50-53.	2.5	10
104	Experimental study of the SLM behavior and remote sensing applications of a multi-wavelength fiber laser topology based on DWDMs. Applied Physics B: Lasers and Optics, 2015, 118, 497-503.	1.1	10
105	Fiber cavity ring down and gain amplification effect. Photonic Sensors, 2016, 6, 324-327.	2.5	10
106	[INVITED] Multiwavelength operation of erbium-doped fiber-ring laser for temperature measurements. Optics and Laser Technology, 2016, 78, 134-138.	2.2	10
107	Spatial-frequency multiplexing of high-sensitivity liquid level sensors based on multimode interference micro-fibers. Sensors and Actuators A: Physical, 2020, 307, 111985.	2.0	10
108	Comparison of wavelength-division-multiplexed distributed fiber Raman amplifier networks for sensors. Optics Express, 2006, 14, 1401.	1.7	9

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109	Role of external cavity reflectivity for achieving polarization control and stabilization of vertical cavity surface emitting laser. Applied Physics Letters, 2007, 90, 031117.	1.5	9
110	Fiber optic and KNX sensors network for remote monitoring a new building cladding system. Automation in Construction, 2013, 30, 9-14.	4.8	9
111	A Switchable Erbium Doped Fiber Ring Laser System for Temperature Sensors Multiplexing. IEEE Sensors Journal, 2013, 13, 2279-2283.	2.4	9
112	Highly-efficient fully resonant vertical couplers for InP active-passive monolithic integration using vertically phase matched waveguides. Optics Express, 2013, 21, 22717.	1.7	9
113	Slow-Light and Enhanced Sensitivity in a Displacement Sensor Using a Lossy Fiber-Based Ring Resonator. Journal of Lightwave Technology, 2013, 31, 3752-3757.	2.7	9
114	Virtual FBGs Using Saturable Absorbers for Sensing with Fiber Lasers. Sensors, 2018, 18, 3593.	2.1	9
115	Comparison between Capacitive and Microstructured Optical Fiber Soil Moisture Sensors. Applied Sciences (Switzerland), 2018, 8, 1499.	1.3	9
116	Multiplexing Techniques for FBG Sensors. , 2011, , 99-115.		9
117	Simple low-loss waveguide bends using ARROW effect. Applied Physics B: Lasers and Optics, 2005, 80, 745-748.	1.1	8
118	Switchable multi-wavelength erbium-doped fiber laser for remote sensing. Proceedings of SPIE, 2009, , .	0.8	8
119	Optical Fiber Bus Protection Network to Multiplex Sensors: Experimental Validation of Self-Diagnosis. IEEE Sensors Journal, 2012, 12, 2737-2743.	2.4	8
120	Vertically coupled microring resonators using one epitaxial growth step and single-side lithography. Optics Express, 2015, 23, 5317.	1.7	8
121	Liquid level sensor based on dynamic Fabryâ€“Perot interferometers in processed capillary fiber. Scientific Reports, 2021, 11, 3039.	1.6	8
122	Multiparameter Sensor Based on a Multi-Interferometric Serial Configuration For Temperature and Strain Measurements. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-4.	1.9	8
123	Anomalous relative intensity noise transfer in ultralong random fiber lasers. Optics Express, 2020, 28, 28234.	1.7	8
124	Mode-expanded 1.55-Î¼m InP-InGaAsP Fabry-Perot lasers using ARROW waveguides for efficient fiber coupling. IEEE Journal of Selected Topics in Quantum Electronics, 2002, 8, 1389-1398.	1.9	7
125	Compact spot-size converters with fiber-matched antiresonant reflecting optical waveguides. Applied Optics, 2003, 42, 4841.	2.1	7
126	A new spot-size converter concept using fiber-matched antiresonant reflecting optical waveguides. Journal of Lightwave Technology, 2003, 21, 269-274.	2.7	7

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127	Amplified Fiber-Optic Networks for Sensor Multiplexing. Japanese Journal of Applied Physics, 2006, 45, 6626-6631.	0.8	7
128	Frequency Modulated Continuous Wave System for Optical Fiber Intensity Sensors With Optical Amplification. IEEE Sensors Journal, 2009, 9, 1647-1653.	2.4	7
129	Double random mirror Hiâ€“Bi photonic crystal fiber Sagnac based multiwavelength fiber laser. Applied Physics B: Lasers and Optics, 2011, 103, 771-775.	1.1	7
130	Simultaneous Measurement of Strain and Temperature Using a Single Emission Line. Journal of Lightwave Technology, 2015, 33, 2426-2431.	2.7	7
131	Real Time Measuring System of Multiple Chemical Parameters Using Microstructured Optical Fibers Based Sensors. IEEE Sensors Journal, 2018, 18, 5343-5351.	2.4	7
132	Gamma Radiation-Induced Effects over an Optical Fiber Laser: Towards New Sensing Applications. Sensors, 2020, 20, 3017.	2.1	7
133	Hybrid Raman-erbium random fiber laser with a half open cavity assisted by artificially controlled backscattering fiber reflectors. Scientific Reports, 2021, 11, 9169.	1.6	7
134	Design and application of double amplified recirculating ring structure for hybrid fibre buses. Optical and Quantum Electronics, 1995, 27, 847-857.	1.5	6
135	Optical intensity induced shutter in photochromic-doped sol-gel gel-glass waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 1997, 3, 780-788.	1.9	6
136	Bragg-grating interrogation scheme using spectral filtering and amplitude-to-phase optical conversion. , 0, , .		6
137	Experimental Optimization in Terms of Power Stability and Output Power of Highly Erbium-Doped Fiber Lasers with Single and Hybrid Cavities. Fiber and Integrated Optics, 2010, 29, 106-120.	1.7	6
138	Bidirectional Dual-Wavelength Raman Fiber Ring Laser. IEEE Photonics Technology Letters, 2011, 23, 399-401.	1.3	6
139	Fiber Bragg grating interrogation technique for remote sensing (100km) using a hybrid Brillouin-Raman fiber laser. , 2011, , .		6
140	Remote fiber optic switch powered by light for robust interrogation of fiber Bragg grating sensor networks. Measurement Science and Technology, 2013, 24, 094021.	1.4	6
141	Monitoring Multiple Hi-Bi Sensing Fibers in a Single Fiber Loop Mirror. Journal of Lightwave Technology, 2016, 34, 4543-4549.	2.7	6
142	Quasi-Distributed Vibration Sensing Based on Weak Reflectors and STFT Demodulation. Journal of Lightwave Technology, 2020, 38, 6954-6960.	2.7	6
143	Experimental assessment of access guide first-order mode effect on multimode interference couplers. Optical Engineering, 2001, 40, 1160.	0.5	5
144	1.55-Î¼m InP-InGaAsP Fabry-Perot lasers with integrated spot size converters using antiresonant reflecting optical waveguides. IEEE Photonics Technology Letters, 2002, 14, 1043-1045.	1.3	5

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145	Optical filter design for multiwavelength erbium-doped fiber ring lasers. Optics Communications, 2002, 208, 167-172.	1.0	5
146	Spectral properties of edge-emitting semiconductor laser subject to optical feedback from extremely short external cavity. Optical and Quantum Electronics, 2008, 40, 69-81.	1.5	5
147	Optimization of the frequency-modulated continuous wave technique for referencing and multiplexing intensity-based fiber optic sensors. Measurement: Journal of the International Measurement Confederation, 2011, 44, 230-237.	2.5	5
148	Compound Lasing Fiber Optic Ring Resonators for Sensor Sensitivity Enhancement. Journal of Lightwave Technology, 2015, 33, 2690-2696.	2.7	5
149	Microdrilled tapers to enhance optical fiber lasers for sensing. Scientific Reports, 2021, 11, 20408.	1.6	5
150	Multimode interference filter to solve degradation on coupler common-mode rejection. , 0, , .		4
151	Depressed-index waveguides (DIW's) in integrated optics. Journal of Lightwave Technology, 1990, 8, 1779-1791.	2.7	4
152	Performance parameters and applications of a modified amplified recirculating delay line. Fiber and Integrated Optics, 1995, 14, 347-358.	1.7	4
153	Modeling of InGaAsPâ€“InP 1.55ÂĨ¼m lasers with integrated mode expanders using fiber-matched leaky waveguides. Applied Physics B: Lasers and Optics, 2001, 73, 585-588.	1.1	4
154	Comparative analysis of wavelength-multiplexed photonic-sensor networks using fused biconical WDMS. IEEE Sensors Journal, 2003, 3, 475-483.	2.4	4
155	Adaptive filters applied to the interrogation of photonic sensors. IEEE Sensors Journal, 2006, 6, 748-754.	2.4	4
156	Multiwavelength Raman Fiber Ring Lasers with Bragg-grating Sensor Multiplexing Capability. Journal of Optical Communications, 2006, 27, .	4.0	4
157	Optical Fibre Bus Protection Architecture for the Networking of Sensors. , 2007, , .		4
158	200-km long fiber ring laser for multiplexing fiber Bragg gratings arrays. Proceedings of SPIE, 2012, , .	0.8	4
159	Remote-Time Division Multiplexing of Bending Sensors Using a Broadband Light Source. Journal of Sensors, 2012, 2012, 1-6.	0.6	4
160	Application of Remote Power-by-Light Switching in a Simplified BOTDA Sensor Network. Sensors, 2013, 13, 17434-17444.	2.1	4
161	Multi-Wavelength Fiber Lasers. , 2013, , .		4
162	Interferometric vs. wavelength selective optical fiber sensors for cryogenic temperature measurements. Proceedings of SPIE, 2017, , .	0.8	4

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163	Micro-drilled optical fiber for enhanced laser strain sensors. , 2019, , .		4
164	Multiplexing optical fiber Fabry-Perot interferometers based on air-microcavities. , 2019, , .		4
165	Accessing guide first-order mode influence and optimize tolerances in multimode interference couplers. , 1998, 3491, 386.		3
166	<title>Polarimetry of plastic optical fibers</title>. , 2001, 4595, 213.		3
167	Low cost electric field optical fiber detector. , 0, , .		3
168	Transparent network for hybrid multiplexing of fiber Bragg gratings and intensity-modulated fiber-optic sensors. Applied Optics, 2003, 42, 5040.	2.1	3
169	A resilient Raman amplified double ring network for multiplexing fiber Bragg grating sensors. Proceedings of SPIE, 2007, , .	0.8	3
170	Amplified CWDM self-referencing sensor network based on phase-shifted FBGs in transmissive configuration. , 2008, , .		3
171	Temperature sensing in multiple zones based on Brillouin fiber ring laser. Journal of Physics: Conference Series, 2009, 178, 012017.	0.3	3
172	Hybrid OTDR-fiber laser system for remote sensor multiplexing. , 2010, , .		3
173	Simultaneous measurement of strain and temperature based on clover microstructured fiber loop mirror. Proceedings of SPIE, 2012, , .	0.8	3
174	Dual-wavelength highly doped fiber laser for temperature measurements. , 2013, , .		3
175	Reinforced concrete structural corrosion monitoring using Hi-Bi photonic crystal fibres in a fiber loop structure. Proceedings of SPIE, 2014, , .	0.8	3
176	Remote PCF-based sensors multiplexing by using optical addâ€“drop multiplexers. Optics and Laser Technology, 2014, 57, 9-11.	2.2	3
177	Optical power-based interrogation of plasmonic tilted fiber Bragg grating biosensors. Proceedings of SPIE, 2017, , .	0.8	3
178	High Performance Fiber Laser Resonator for Dual Band (C and L) Sensing. Journal of Lightwave Technology, 2022, 40, 5273-5279.	2.7	3
179	Stable multiwavelength fiber laser for referencing intensity sensor networks using multiple amplified ring resonators. Proceedings of SPIE, 2010, , .	0.8	2
180	L-band multiwavelength erbium-doped fiber ring laser for sensing applications. Proceedings of SPIE, 2011, , .	0.8	2

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181	Quasi distributed hybrid Brillouin fiber laser sensor system. Measurement Science and Technology, 2012, 23, 085202.	1.4	2
182	Resilient optical fiber ladder network with OADMs to multiplex sensors: experimental validation of binary state connectivity analysis. , 2012, , .		2
183	Fiber optic sensing system for monitoring of coal waste piles in combustion. Proceedings of SPIE, 2014, , .	0.8	2
184	Fully switchable multi-wavelength fiber laser based interrogator system for remote and versatile fiber optic sensors multiplexing structures. Proceedings of SPIE, 2014, , .	0.8	2
185	Nanowire humidity optical sensor system based on fast Fourier transform technique. Proceedings of SPIE, 2015, , .	0.8	2
186	Enhancement of the Sensitivity of a Volatile Organic Compounds MOF-Sensor by Means of Its Structure. Proceedings (mdpi), 2017, 1, .	0.2	2
187	Gamma Radiation Measurements using an Optical Fiber Laser. , 2018, , .		2
188	Amplified Recirculating Delay Lines as Fiber-optic Decoders in TV Systems. Optical Fiber Technology, 1995, 1, 369-372.	1.4	1
189	Gel-glass photochromic optical delay generator. , 1995, , .		1
190	Folded fibre bus interconnects with distributed amplification. Optics Communications, 1998, 152, 31-35.	1.0	1
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