Hongpu Li

List of Publications by Year
in descending order

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122 papers	1,789 citations	236612 25 h-index	315357 38 g-index
122 all docs	122 docs citations	122 times ranked	892 citing authors

#	Article	IF	Citations
1	Dual-triangular filter based on an optimized phase-modulated helical fibre grating. Optics Communications, 2022, 503, 127452.	1.0	3
2	Nano-Displacement Measurement System Using a Modified Orbital Angular Momentum Interferometer. IEEE Journal of Quantum Electronics, 2022, 58, 1-5.	1.0	15
3	Broadband edge filter based on a helical long-period fiber grating and its application to a power-interrogated torsion sensor. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 1075.	0.9	7
4	Phase-Inserted Fiber Gratings and Their Applications to Optical Filtering, Optical Signal Processing, and Optical Sensing: Review. Photonics, 2022, 9, 271.	0.9	6
5	Reflective-Type Multiparameter Sensor Based on a Paired Helical Fiber Gratings and a Trapezoid-Like Microcavity. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	2.4	5
6	Synthesizing the complex orbital-angular-momentum spectrum of hybrid modes existed in a few-mode fiber. Optics Express, 2022, 30, 26286.	1.7	4
7	Simultaneous generation of the second- and third-order OAM modes by using a high-order helical long-period fiber grating. Optics Letters, 2021, 46, 949.	1.7	35
8	Advances on Mode-Coupling Theories, Fabrication Techniques, and Applications of the Helical Long-Period Fiber Gratings: A Review. Photonics, 2021, 8, 106.	0.9	25
9	The Superimposed Multi-Channel Helical Long-Period Fiber Grating and Its Application to Multi-Channel OAM Mode Generator. Journal of Lightwave Technology, 2021, 39, 3269-3275.	2.7	17
10	Ultra-Broadband OAM Mode Generator Based on a Phase-Modulated Helical Grating Working at a High Radial-Order of Cladding Mode. IEEE Journal of Quantum Electronics, 2021, 57, 1-7.	1.0	10
11	Broadband flat-top second-order OAM mode converter based on a phase-modulated helical long-period fiber grating. Optics Express, 2021, 29, 29518.	1.7	13
12	Simultaneous measurement of directional torsion and temperature by using a DC-sampled helical long-period fiber grating. Optics and Laser Technology, 2021, 142, 107171.	2.2	10
13	Modal dispersion effects on the spectra of helical long-period fibre grating-based components. Optics Communications, 2020, 457, 124708.	1.0	14
14	Simultaneous Generation of the First- and Second- Order OAM Using the Cascaded HLPGs. IEEE Photonics Technology Letters, 2020, 32, 685-688.	1.3	15
15	Polarization-Independent Flat-Top Band-Rejection Filter Based on the Phase-Modulated HLPG. IEEE Photonics Technology Letters, 2020, 32, 170-173.	1.3	10
16	Demonstration of the mode-selection rules obeyed in a single-helix helical long-period fiber grating. Optics Letters, 2020, 45, 1846.	1.7	7
17	DC-Sampled Helical Fiber Grating and its Application to Multi-Channel OAM Generator. IEEE Photonics Technology Letters, 2019, 31, 1445-1448.	1.3	19
18	Multichannel fiber bragg grating based on DC-sampling method. Optics Communications, 2019, 445, 142-146.	1.0	4

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19	Multichannel Long-Period Fiber Grating Realized by Using the Helical Sampling Approach. Journal of Lightwave Technology, 2019, 37, 2008-2013.	2.7	12
20	Optimal design of a multichannel fiber Bragg grating by using the DC sampling method. , 2019, , .		0
21	Optimal design and fabrication of multichannel helical long-period fiber gratings based on phase-only sampling method. Optics Express, 2019, 27, 2281.	1.7	17
22	All-fiber second-order orbital angular momentum generator based on a single-helix helical fiber grating. Optics Letters, 2019, 44, 5370.	1.7	49
23	Comprehensive Analysis for the Consecutively-Cascaded Single-Helix Long-Period Fiber Gratings With Opposite Helicities. IEEE Journal of Quantum Electronics, 2018, 54, 1-6.	1.0	5
24	Enhancing the Azimuthal Mode Couplings in a Helical Fiber Grating by Using Phase Sampling. IEEE Photonics Technology Letters, 2018, 30, 630-633.	1.3	1
25	Mode-couplings in two cascaded helical long-period fibre gratings and their application to polarization-insensitive band-rejection filter. Optics Communications, 2018, 423, 81-85.	1.0	11
26	Torsion, Strain, and Temperature Sensor Based on Helical Long-Period Fiber Gratings. IEEE Photonics Technology Letters, 2018, 30, 327-330.	1.3	51
27	All-Fiber Circular Polarization Filter Realized by Using Helical Long-Period Fiber Gratings. IEEE Photonics Technology Letters, 2018, 30, 1905-1908.	1.3	10
28	Design of an Edge Filter Based on a Phase-Only Modulated Long-Period Fiber Grating. IEEE Photonics Journal, 2018, 10, 1-9.	1.0	6
29	Enhanced Flat-Top Band-Rejection Filter Based on Reflective Helical Long-Period Fiber Gratings. IEEE Photonics Technology Letters, 2017, 29, 964-966.	1.3	14
30	Real-time characterization of the phase-shift formed in a helical long-period fiber grating. , 2017, , .		0
31	Phase-shifted helical long-period fiber grating and its characterization by using the microscopic imaging method. Optics Express, 2017, 25, 7402.	1.7	7
32	Analysis for the phase-diffusion effect in a phase-shifted helical long-period fiber grating and its pre-compensation. Optics Express, 2017, 25, 19085.	1.7	1
33	Flat-top band-rejection filter based on two successively-cascaded helical fiber gratings. Optics Express, 2016, 24, 5442.	1.7	36
34	Helical long-period grating formed in a thinned fiber and its application to a refractometric sensor. Applied Optics, 2016, 55, 1430.	2.1	55
35	Simultaneous measurement of temperature and strain by using a wide-band fiber Bragg grating. , 2015, , .		0
36	Energy-Efficient Optical Pulse Multiplication and Shaping Based on a Triply Sampled Filter Utilizing a Fiber Bragg Grating. Journal of Lightwave Technology, 2015, 33, 2167-2176.	2.7	2

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37	Fabrication of Phase-Shifted Long-Period Fiber Grating and Its Application to Strain Measurement. IEEE Photonics Technology Letters, 2015, 27, 557-560.	1.3	28
38	Advanced Phase-Shifted Fiber Gratings and Their Applications to Comb Filter and Fiber Sensors. , 2015, , .		1
39	Power-interrogated and simultaneous measurement of temperature and torsion using paired helical long-period fiber gratings with opposite helicities. Optics Express, 2014, 22, 20260.	1.7	72
40	Optical pulse multiplication based on a doubly-sampled spectral filter utilizing fiber Bragg grating. , 2014, , .		0
41	Helical Long-Period Fiber Grating Formed in a Optical Micro/Nano Wire by Using a CO2 Laser. , 2014, , .		0
42	High Channel-Count Ultra-Narrow Comb-Filter Based on a Triply Sampled Fiber Bragg Grating. IEEE Photonics Technology Letters, 2014, 26, 1112-1115.	1.3	4
43	Pulse Response of Nonlinear Multimode Interference Couplers. IEEE Journal of Quantum Electronics, 2014, 50, 295-303.	1.0	5
44	Energy-efficient optical pulse multiplication and shaping based on triply-sampled spectral filter utilizing fiber Bragg grating. Proceedings of SPIE, 2014, , .	0.8	0
45	Simultaneous Temperature and Strain Measurement by Using a Power-Interrogated Long-Period Fiber Grating. , 2014, , .		0
46	Normal-Mode Analysis of Switching Dynamics in Nonlinear Directional Couplers. Journal of Lightwave Technology, 2013, 31, 2639-2646.	2.7	5
47	Calibration of a Phase-Shift Formed in a Linearly Chirped Fiber Bragg Grating and Its Thermal Effect. Journal of Lightwave Technology, 2013, 31, 1185-1190.	2.7	10
48	Cladding Mode Coupling in a Wide-Band Fiber Bragg Grating and its Application to a Power-Interrogated Temperature Sensor. IEEE Photonics Technology Letters, 2013, 25, 231-233.	1.3	6
49	Phase-shift formed in a long period fiber grating and its application to the measurements of temperature and refractive index. Optics Express, 2013, 21, 11901.	1.7	23
50	Phase-shift formed in a tapered long period fiber grating and its application to simultaneous measurements of temperature and refractive-index. , 2013, , .		1
51	Simultaneous measurement of temperature and strain by using on a linearly chirped fiber Bragg grating with a slanted reflection spectrum. , 2013, , .		0
52	Simultaneous temperature and strain measurement by using a wide-band fiber Bragg grating. , 2013, , .		0
53	High channel-count comb filter based on sampled fiber bragg grating. , 2012, , .		1
54	Single-longitudinal-mode Brillouin fiber laser incorporating an unpumped erbium-doped fiber loop. Applied Physics B: Lasers and Optics, 2012, 107, 791-794.	1.1	30

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55	Phase-Shift Induced in a High-Channel-Count Fiber Bragg Grating and Its Application to Multiwavelength Fiber Ring Laser. IEEE Photonics Technology Letters, 2011, 23, 498-500.	1.3	8
56	Ultrahigh-channel-count fiber Bragg grating based on the triple sampling method. Optics Communications, 2011, 284, 1842-1846.	1.0	5
57	Enhanced slow light in a phase-shifted multichannel fiber Bragg grating assisted by stimulated Brillouin scattering. Proceedings of SPIE, 2011, , .	0.8	1
58	Enhanced slow light in a phase-shifted multichannel fiber Bragg grating assisted by stimulated Brillouin scattering. , 2011, , .		0
59	Ultra-high channel-count fiber Bragg grating based on the utilization of the phase-only sampling. Proceedings of SPIE, 2010, , .	0.8	0
60	Multiple dual-wavelengths fiber ring laser utilizing a phase-only sampled fiber Bragg grating with multiple phase-shifts inserted. Applied Physics B: Lasers and Optics, 2010, 101, 115-118.	1.1	2
61	Simultaneous dispersion and dispersion-slope compensator based on a doubly sampled ultrahigh-channel-count fiber Bragg grating. Applied Optics, 2010, 49, 823.	2.1	7
62	Phase Shifts Induced by the Piezoelectric Transducers Attached to a Linearly Chirped Fiber Bragg Grating. Journal of Lightwave Technology, 2010, 28, 2017-2022.	2.7	29
63	Phase-shift induced in a high-channel-count fiber Bragg grating and its application to multiwavelength fiber ring laser. , 2010, , .		0
64	Phase shift induced by the piezoelectric transducer in a linearly chirped fiber Bragg grating and its application to fiber ring laser. , 2010, , .		0
65	Recent advances in the design and fabrication of high channel-count fiber bragg grating and its application to dispersion compensation and multi-wavelength fiber laser. , 2009, , .		0
66	Influences of writing-beam size on the performances of dispersion-free multi-channel fiber Bragg grating. Optical Fiber Technology, 2009, 15, 33-38.	1.4	4
67	Proposal and realization for a broadband all-fiber non-uniformly spaced multi-channel optical filter. Optics Communications, 2009, 282, 879-882.	1.0	4
68	Ultrahigh-channel-count phase-only sampled fiber Bragg grating covering the S, C, and L bands. Optics Letters, 2009, 34, 938.	1.7	13
69	Multiwavelength fiber laser based on the utilization of a phase-shifted phase-only sampled fiber Bragg grating. Optics Letters, 2009, 34, 1717.	1.7	37
70	Simultaneous Optical Pulse Multiplication and Shaping Based on the Amplitude-Assisted Phase-Only Filter Utilizing a Fiber Bragg Grating. Journal of Lightwave Technology, 2009, 27, 5246-5252.	2.7	6
71	Advanced design of a complex fiber Bragg grating for a multichannel asymmetrical triangular filter. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 228.	0.9	9
72	Advanced design of the ultrahigh-channel-count fiber Bragg grating based on the double sampling method. Optics Express, 2009, 17, 8382.	1.7	20

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73	Multiplication of a Multichannel Notch Filter Based on a Phase-Shifted Phase-Only Sampled Fiber Bragg Grating. IEEE Photonics Technology Letters, 2009, 21, 926-928.	1.3	7
74	High channel-count phase-only sampled fiber Bragg grating and its application to dispersion compensator and multi-wavelength fiber laser. , 2009, , .		0
75	Tunable high channel-count notch filter based on a phase-shift phase-only sampled FBG and its application to multi-wavelength fiber laser. , 2009, , .		2
76	A comprehensive study of the chromatic dispersion measurement of the multi-channel fiber Bragg grating based on an asymmetrical Sagnac loop interferometer. Optics Communications, 2008, 281, 5165-5172.	1.0	5
77	Correction to â€œChromatic Dispersion Measurement for Multichannel FBG Based on a Novel Asymmetrical Sagnac Loop Interferometerâ€•[Oct 07 1601-1603]. IEEE Photonics Technology Letters, 2008, 20, 226-226.	1.3	0
78	Reflection equalization of the simultaneous dispersion and dispersion-slope compensator based on a phase-only sampled fiber Bragg grating. Optics Express, 2008, 16, 9821.	1.7	20
79	Multi-channel notch filter based on a phase-shift phase-only sampled fiber Bragg grating. Optics Express, 2008, 16, 19388.	1.7	41
80	Advanced design of complex fiber Bragg grating for multi-channel asymmetrical triangular filter. , 2008, , .		0
81	Recent advances in the design and fabrication of high channel-count fiber Bragg gratings. Proceedings of SPIE, 2008, , .	0.8	0
82	Advances in the Design and Fabrication of High-Channel-Count Fiber Bragg Gratings. Journal of Lightwave Technology, 2007, 25, 2739-2750.	2.7	75
83	Dependence of photo-oxidation on Ag(Cu)-content in Ag(Cu)â€“As2Se3 films. Journal of Non-Crystalline Solids, 2007, 353, 1216-1220.	1.5	9
84	Chromatic Dispersion Measurement for Multichannel FBG Based on a Novel Asymmetrical Sagnac Loop Interferometer. IEEE Photonics Technology Letters, 2007, 19, 1601-1603.	1.3	4
85	Chromatic Dispersion Measurement for Multi-channel FBG Based on a Novel Asymmetrical Sagnac Loop Interferometer. , 2007, , .		1
86	Phase-only sampled 45 channel fiber Bragg grating written with a diffraction-compensated phase mask. Optics Letters, 2006, 31, 1199.	1.7	18
87	Optical MEMS pressure sensor based on Fabry-Perot interferometry. Optics Express, 2006, 14, 1497.	1.7	100
88	Optimization of a continuous phase-only sampling for high channelâ€“count fiber Bragg gratings. Optics Express, 2006, 14, 3152.	1.7	30
89	Effect of the cladding-mode coupling losses on the spectrum of a multi-channel fiber Bragg grating. , 2006, 6025, 448.		0
90	Near field diffraction of phase-shifted phase grating for side-writing fiber Bragg gratings. , 2006, 6027, 42.		0

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91	Design and fabrication of complex fiber Bragg gratings using diffractive optics technology. , 2005, , .		0
92	Split of phase shifts in phase mask for proximity side-writing fiber Bragg gratings. , 2005, , .		1
93	Influence of cladding-mode coupling losses on the spectrum of a linearly chirped multi-channel fiber bragg grating. Optics Express, 2005, 13, 1281.	1.7	10
94	Photo-oxidation of As2Se3, Agâ€“As2Se3, and Cuâ€“As2Se3 chalcogenide films. Journal of Non-Crystalline Solids, 2005, 351, 3132-3138.	1.5	27
95	Split of Phase Shifts in a Phase Mask for Fiber Bragg Gratings. IEEE Photonics Technology Letters, 2004, 16, 1316-1318.	1.3	20
96	Using sampled nonlinearly chirped fiber Bragg gratings to achieve 40-Gbit/s tunable multi-channel dispersion compensation. Optics Communications, 2004, 241, 371-375.	1.0	2
97	Optical and structural properties of Ag(Cu)â€“As2Se3 chalcogenide films prepared by a photodoping. Journal of Non-Crystalline Solids, 2004, 347, 159-165.	1.5	33
98	Brillouin-gain coefficients of chalcogenide glasses. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1302.	0.9	52
99	Advanced design of a multichannel fiber Bragg grating based on a layer-peeling method. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1929.	0.9	31
100	Split of phase-shifts in phase mask for proximity side-writing fiber Bragg gratings. , 2004, , .		0
101	Tunable interchannel broad-band dispersion-slope compensation for 10-Gb/s WDM systems using a nonchannelized third-order chirped FBG. IEEE Photonics Technology Letters, 2003, 15, 144-146.	1.3	8
102	Direct design of multichannel fiber Bragg grating with discrete layer-peeling algorithm. IEEE Photonics Technology Letters, 2003, 15, 1252-1254.	1.3	27
103	Phased-only sampled fiber bragg gratings for high-channel-count chromatic dispersion compensation. Journal of Lightwave Technology, 2003, 21, 2074-2083.	2.7	77
104	Tunable chromatic dispersion compensation in 40-Gb/s systems using nonlinearly chirped fiber Bragg gratings. Journal of Lightwave Technology, 2002, 20, 2239-2246.	2.7	59
105	Tunable dispersion slope compensation for 40-Gb/s WDM systems using broadband nonchannelized third-order chirped fiber Bragg gratings. Journal of Lightwave Technology, 2002, 20, 2259-2266.	2.7	11
106	Dammann fiber Bragg gratings and phase-only sampling for high channel counts. IEEE Photonics Technology Letters, 2002, 14, 1309-1311.	1.3	64
107	Transient stimulated Brillouin scattering in a fiber ring resonator and its effect on optical Kerr bistability. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 93.	0.9	13
108	Instability of Stimulated Brillouin Scattering in a Fiber Ring Resonator. Optical Review, 2000, 7, 303-308.	1.2	16

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109	Dynamic Behavior of Stimulated Brillouin Scattering in a Single-Mode Optical Fiber. Japanese Journal of Applied Physics, 1999, 38, 6309-6315.	0.8	46
110	Analysis of optical instability in a double-coupler nonlinear fiber ring resonator. Optics Communications, 1998, 157, 27-32.	1.0	35
111	Optical Inverse Perfect Shuffle Interconnection and Its Application to Polynomial Evaluation. Optical Review, 1998, 5, 138-142.	1.2	0
112	Analysis of Transient Optical Bistability and Stability in a Nonlinear Fiber Fabry-Perot Resonator Based on an Iterative Method. Optical Review, 1998, 5, 185-190.	1.2	8
113	Optical Nonlinearities of Bis(4-dimethylaminodithiobenzil)-nickel Solution in the Nanosecond Regime. Japanese Journal of Applied Physics, 1998, 37, 5572-5577.	0.8	8
114	A Novel Free-Space Comega Network and Its Optical Implementation. Optical Review, 1997, 4, 349-353.	1.2	1
115	Laser-Induced Diffraction Rings from an Absorbing Solution. Optical Review, 1996, 3, 232-234.	1.2	81
116	The matrix analysis for an optical free-space switching network and an optical crossover network with four-function interchange nodes. Optics and Laser Technology, 1994, 26, 271-280.	2.2	5
117	A general algorithm to determine the topological equivalence of optical interconnection networks. Optics Communications, 1994, 105, 39-46.	1.0	1
118	Free-space regular optical interconnections: a mathematical analysis. Applied Optics, 1994, 33, 2960.	2.1	5
119	Implementation of crossover optical interconnect network with phase fresnel microlens arrays. , 1994, , .		0
120	Parallel processing for polynomial evaluation with a novel optical interconnection: the inverse perfect shuffle. Optics Communications, 1993, 103, 350-354.	1.0	1
121	Application of optical perfect shuffle interconnection for polynomial evaluation. , 1993, 1979, 501.		0
122	Optical perfect-shuffle-exchange interconnection network using a liquid-crystal spatial light switch. Applied Optics, 1992, 31, 6817.	2.1	8