Kin Seng Chiang

List of Publications by Year
in descending order

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322 papers	7,842 citations	53794 45 h-index	85541 71 g-index
325 all docs	325 docs citations	325 times ranked	3934 citing authors

#	Article	IF	Citations
1	Low-power all-optical switch based on a graphene-buried polymer waveguide Mach-Zehnder interferometer. Optics Express, 2022, 30, 6786.	3.4	20
2	All-optical mode switching with a graphene-buried polymer waveguide directional coupler. Optics Letters, 2022, 47, 2414.	3.3	8
3	Robust Mode Matching between Structurally Dissimilar Optical Fiber Waveguides. ACS Photonics, 2021, 8, 857-863.	6.6	31
4	Electro-optic reconfigurable two-mode (de)multiplexer on thin-film lithium niobate. Optics Letters, 2021, 46, 1001.	3.3	23
5	Ultralow-loss fusion splicing between negative curvature hollow-core fibers and conventional SMFs with a reverse-tapering method. Optics Express, 2021, 29, 22470.	3.4	34
6	Lab on optical fiber: surface nano-functionalization for real-time monitoring of VOC adsorption/desorption in metal-organic frameworks. Nanophotonics, 2021, 10, 2705-2716.	6.0	13
7	Symmetric Two-Mode Waveguide Directional Coupler on Thin-Film Lithium Niobate for Electro-Optic Mode Switching. , 2021, , .		0
8	Leaky-mode long-period grating on a lithium-niobate-on-insulator waveguide. Optica, 2021, 8, 1624.	9.3	16
9	Graphene-Buried Polymer Waveguide Mach-Zehnder Interferometer for Low-Power All-Optical Switching. , 2021, , .		0
10	Reversely tapered multicore fibers for simplified all-fiber fan-in and fan-out devices. , 2021, , .		0
11	Polymer waveguide Mach-Zehnder interferometer coated with dipolar polycarbonate for on-chip nitroaromatics detection. Sensors and Actuators B: Chemical, 2020, 305, 127406.	7.8	15
12	Equivalent Circuit of Quantum-Dot LED and Acquisition of Carrier Lifetime in Active Layer. IEEE Electron Device Letters, 2020, 41, 87-90.	3.9	6
13	Phenolic-compounds sensor based on immobilization of tyrosinase in polyacrylamide gel on long-period fiber grating. Optics and Laser Technology, 2020, 131, 106464.	4.6	14
14	Nanoscale lightâ€“matter interactions in metalâ€“organic frameworks cladding optical fibers. Nanoscale, 2020, 12, 9991-10000.	5.6	25
15	Reconfigurable Three-Mode Converter Based On Cascaded Electro-Optic Long-Period Gratings. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-6.	2.9	19
16	Trade-Offs Between Illumination and Modulation Performances of Quantum-Dot LED. IEEE Photonics Technology Letters, 2020, 32, 726-729.	2.5	3
17	Electro-optic mode-selective switch based on cascaded three-dimensional lithium-niobate waveguide directional couplers. Optics Express, 2020, 28, 35506.	3.4	15
18	Graphene electrodes for electric poling of electro-optic polymer films. Optics Letters, 2020, 45, 2383.	3.3	10

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19	Polarization-insensitive ultra-broadband mode filter based on a 3D graphene structure buried in an optical waveguide. Optica, 2020, 7, 744.	9.3	22
20	Graphene-Coated Surface-Plasmon-Resonance Waveguide Biosensor. , 2020, , .		0
21	Three-Mode Switch Based on Electro-Optic Long-Period Gratings Integrated along a Lithium-Niobate Waveguide. , 2020, , .		0
22	Optical modulation in hybrid antiresonant hollow-core fiber infiltrated with vanadium dioxide phase change nanocrystals. Optics Letters, 2020, 45, 4240.	3.3	5
23	Electrically generated optical waveguide in a lithium-niobate thin film. Optics Express, 2020, 28, 29895.	3.4	3
24	Electro-Optic Mode-Selective Switch Based on Cascaded Lithium-Niobate Waveguide Directional Couplers. , 2020, , .		0
25	Polarization-Insensitive Mode Filtering With L-Shaped Graphene Structure Embedded in Polymer Waveguide. , 2020, , .		0
26	Mode (De)multiplexer Without Mode Conversion Based on Three-Core Waveguide Directional Coupler. , 2020, , .		0
27	High-Order-Mode-Pass Mode (De)Multiplexer With a Hybrid-Core Vertical Directional Coupler. Journal of Lightwave Technology, 2019, 37, 3932-3938.	4.6	9
28	Optofluidic laser explosive sensor with ultralow detection limit and large dynamic range using donor-acceptor-donor organic dye. Sensors and Actuators B: Chemical, 2019, 298, 126830.	7.8	14
29	Comparison of different optical models of graphene for the analysis of graphene-attached microfibers and D-shaped fibers. Optics Communications, 2019, 452, 347-354.	2.1	4
30	Ultra-Broadband Mode Filter Based on Phase-Shifted Long-Period Grating. IEEE Photonics Technology Letters, 2019, 31, 1052-1055.	2.5	23
31	Effects of Injection Current on the Modulation Bandwidths of Quantum-Dot Light-Emitting Diodes. IEEE Transactions on Electron Devices, 2019, 66, 4805-4810.	3.0	10
32	A photochromic dye doped polymeric Machâ€“Zehnder interferometer for UV light detection. Journal of Materials Chemistry C, 2019, 7, 6257-6265.	5.5	21
33	Externally pumped low-loss graphene-based fiber Mach-Zehnder all-optical switches with mW switching powers. Optics Express, 2019, 27, 4216.	3.4	26
34	Polarization-insensitive mode-independent thermo-optic switch based on symmetric waveguide directional coupler. Optics Express, 2019, 27, 35385.	3.4	19
35	Buried graphene electrode heater for a polymer waveguide thermo-optic device. Optics Letters, 2019, 44, 1480.	3.3	36
36	All-optical loss modulation with graphene-buried polymer waveguides. Optics Letters, 2019, 44, 3685.	3.3	9

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37	Mode-Selective Switch Based on Thermo-Optic Asymmetric Directional Coupler. IEEE Photonics Technology Letters, 2018, 30, 618-621.	2.5	30
38	Nano-functionalized long-period fiber grating probe for disease-specific protein detection. Journal of Materials Chemistry B, 2018, 6, 386-392.	5.8	18
39	Ultra-efficient and stable electro-optic dendrimers containing supramolecular homodimers of semifluorinated dipolar aromatics. Materials Chemistry Frontiers, 2018, 2, 901-909.	5.9	49
40	Thermo-Optically Controlled Vertical Waveguide Directional Couplers for Mode-Selective Switching. IEEE Photonics Journal, 2018, 10, 1-14.	2.0	20
41	A Lithium-Niobate Waveguide Directional Coupler for Switchable Mode Multiplexing. IEEE Photonics Technology Letters, 2018, 30, 1764-1767.	2.5	13
42	Optimization of Illumination Performance of Trichromatic White Light-Emitting Diode and Characterization of Its Modulation Bandwidth for Communication Applications. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	8
43	Mode Multiplexer With Cascaded Vertical Asymmetric Waveguide Directional Couplers. Journal of Lightwave Technology, 2018, 36, 2903-2911.	4.6	46
44	Three-dimensional long-period waveguide gratings for mode-division-multiplexing applications. Optics Express, 2018, 26, 15289.	3.4	23
45	Reconfigurable broadband mode (de)multiplexer based on an integrated thermally induced long-period grating and asymmetric Y-junction. Optics Letters, 2018, 43, 2082.	3.3	36
46	Graphene electrodes for lithium-niobate electro-optic devices. Optics Letters, 2018, 43, 1718.	3.3	29
47	Fast and low-power thermo-optic switch based on organicâ€“inorganic hybrid strip-loaded waveguides. Optics Letters, 2018, 43, 5102.	3.3	17
48	Volatile organic gas recognition with an in-line fiber Mach-Zehnder interferometer coated with ZIF-8. , 2018, , .		0
49	Symmetric lithium-niobate waveguide fabricated by bonding for mode-division-multiplexing applications. , 2018, , .		0
50	Broadband filtering of the fundamental mode of a few-mode waveguide with a phase-shifted long-period grating. , 2018, , .		1
51	Broadband Mode Router Based on Three-Dimensional Mach-Zehnder Interferometer and Waveguide Branches. , 2018, , .		4
52	Analysis of mode-selective coupling between few-mode fibers and waveguides with lateral misalignment. , 2018, , .		0
53	Polymer optical waveguide devices for mode-division-multiplexing applications. Proceedings of SPIE, 2017, , .	0.8	1
54	Tuning the strength of intramolecular charge-transfer of triene-based nonlinear optical dyes for electro-optics and optofluidic lasers. Journal of Materials Chemistry C, 2017, 5, 7472-7478.	5.5	38

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55	Horizontal Directional Coupler Formed With Waveguides of Different Heights for Mode-Division Multiplexing. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	22
56	Wide-Range pH Sensor Based on a Smart- Hydrogel-Coated Long-Period Fiber Grating. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 284-288.	2.9	56
57	Light-emitting diode conditioned with YAG:Ce³⁺ phosphors and CdSe/ZnS quantum dots for high color-rendering-index white-light generation. , 2017, , .		0
58	Graphene-Based Ammonia-Gas Sensor Using In-Fiber Mach-Zehnder Interferometer. IEEE Photonics Technology Letters, 2017, 29, 2035-2038.	2.5	47
59	Graphene-coated in-fiber Mach-Zehnder interferometer for ammonia gas sensing. , 2017, , .		0
60	Thermo-optic switchable mode multiplexer based on cascaded vertical waveguide directional couplers. , 2017, , .		2
61	Broadband mode switch based on a three-dimensional waveguide Machâ€“Zehnder interferometer. Optics Letters, 2017, 42, 4877.	3.3	37
62	Ultra-broadband mode converters based on length-apodized long-period waveguide gratings. Optics Express, 2017, 25, 14341.	3.4	38
63	Ultra-broadband mode multiplexers based on three-dimensional asymmetric waveguide branches. Optics Letters, 2017, 42, 407.	3.3	56
64	Ultra-broadband mode filters based on graphene-embedded waveguides. Optics Letters, 2017, 42, 3868.	3.3	45
65	Ultra-broadband mode conversion with length-apodized long-period grating on polymer waveguide. , 2017, , .		0
66	Mode-selective coupling between few-mode fibers and buried channel waveguides. Optics Express, 2016, 24, 30108.	3.4	18
67	Modulation instabilities in equilateral three-core optical fibers. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 2357.	2.1	11
68	Surface-Plasmon-Resonance Refractive-Index Sensor With Cu-Coated Polymer Waveguide. IEEE Photonics Technology Letters, 2016, 28, 1835-1838.	2.5	38
69	Electro-optic mode switch based on lithium-niobate Machâ€“Zehnder interferometer. Applied Optics, 2016, 55, 4418.	2.1	38
70	Experimental verification of optical models of graphene with multimode slab waveguides. Optics Letters, 2016, 41, 2129.	3.3	66
71	Mode converters based on cascaded long-period waveguide gratings. Optics Letters, 2016, 41, 3130.	3.3	60
72	Mode-Selective Characteristics of an Optical Fiber With a High-Index Core and a Photonic Bandgap Cladding. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 251-257.	2.9	5

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73	Mode Conversion with Vertical Polymer-Waveguide Directional Coupler. , 2016, , .		2
74	Broadband photonic lantern mode multiplexers based on multilayer polymer waveguides. , 2015, , .		0
75	Temperature-Insensitive Mode Converters With CO₂-Laser Written Long-Period Fiber Gratings. IEEE Photonics Technology Letters, 2015, 27, 1006-1009.	2.5	101
76	Mode converter with sidewall-corrugated polymer waveguide grating. , 2015, , .		2
77	Lithium-Niobate Mach-Zehnder Interferometer With Enhanced Index Contrast by SiO₂ Film. IEEE Photonics Technology Letters, 2015, 27, 1224-1227.	2.5	10
78	Breathers and â€˜blackâ€™ rogue waves of coupled nonlinear SchrÃ¶dinger equations with dispersion and nonlinearity of opposite signs. Communications in Nonlinear Science and Numerical Simulation, 2015, 28, 28-38.	3.3	30
79	Compact Three-Dimensional Polymer Waveguide Mode Multiplexer. Journal of Lightwave Technology, 2015, 33, 4580-4588.	4.6	67
80	Mode switch based on electro-optic long-period waveguide grating in lithium niobate. Optics Letters, 2015, 40, 237.	3.3	46
81	Compact three-core fibers with ultra-low differential group delays for broadband mode-division multiplexing. Optics Express, 2015, 23, 20867.	3.4	12
82	Mode multiplexer based on integrated horizontal and vertical polymer waveguide couplers. Optics Letters, 2015, 40, 3125.	3.3	50
83	Polarization Switching in a Mode-Locked Fiber Laser Based on Reduced Graphene Oxide. IEEE Photonics Technology Letters, 2015, 27, 2535-2538.	2.5	6
84	Widely Wavelength-Tunable Mode Converter Based on Polymer Waveguide Grating. IEEE Photonics Technology Letters, 2015, 27, 1985-1988.	2.5	39
85	Application of the Hilbert Transform Method for the Retrieval of the Phase Characteristics of Plasmonic Metal Bragg Gratings. Plasmonics, 2015, 10, 107-115.	3.4	0
86	Sidewall-Grating-Assisted Polymer-Waveguide Directional Coupler for Forward Coupling of Fundamental Modes. , 2015, , .		6
87	Mode Rotator with Two Cascaded Waveguide Gratings. , 2015, , .		0
88	Graphene enhanced evanescent field in microfiber multimode interferometer for highly sensitive gas sensing. Optics Express, 2014, 22, 28154.	3.4	71
89	Graphene Bragg gratings on microfiber. Optics Express, 2014, 22, 23829.	3.4	18
90	UV exposure on a single-mode fiber within a multimode interference structure. Optics Letters, 2014, 39, 6521.	3.3	3

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91	Temperature-Insensitive Real-Time Inclinometer Based on an Etched Fiber Bragg Grating. IEEE Photonics Technology Letters, 2014, 26, 1049-1052.	2.5	17
92	Graphene-based D-shaped fiber multicore mode interferometer for chemical gas sensing. Optics Letters, 2014, 39, 6030.	3.3	44
93	Mode-Locked Fiber Laser With Transverse-Mode Selection Based on a Two-Mode FBG. IEEE Photonics Technology Letters, 2014, 26, 1766-1769.	2.5	57
94	Propagation of Solitary Pulses in Optical Fibers with Both Self-Steepening and Quintic Nonlinear Effects. Communications in Theoretical Physics, 2014, 61, 735-741.	2.5	4
95	A real-time inclinometer based on an etched fiber Bragg grating connected to hollow-core fiber. , 2014, , .		0
96	Switching of ultrashort pulses in nonlinear high-birefringence two-core optical fibers. Optics Communications, 2014, 318, 11-16.	2.1	6
97	Graphene-coated microfiber Bragg grating for high-sensitivity gas sensing. Optics Letters, 2014, 39, 1235.	3.3	170
98	Four-Wave Mixing in a Microfiber Attached Onto a Graphene Film. IEEE Photonics Technology Letters, 2014, 26, 249-252.	2.5	66
99	Modulation instability with arbitrarily high perturbation frequencies in metamaterials with nonlinear dispersion and saturable nonlinearity. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1484.	2.1	26
100	Effects of average index variation in apodized long-period fiber gratings. Photonic Sensors, 2013, 3, 102-111.	5.0	4
101	Effect of irradiation symmetry of CO₂laser on mode coupling in long-period gratings inscribed in photonic crystal fiber. Proceedings of SPIE, 2013, , .	0.8	1
102	Remote high temperature sensing with a reflective bandpass long-period fiber grating and a fiber ring laser. Measurement Science and Technology, 2013, 24, 094023.	2.6	4
103	Two-core photonic crystal fiber with zero intermodal dispersion. Optics Communications, 2013, 293, 49-53.	2.1	2
104	Micro-Fiber-Based FBG Sensor for Simultaneous Measurement of Vibration and Temperature. IEEE Photonics Technology Letters, 2013, 25, 1751-1753.	2.5	45
105	Phase Retrieval From Transmission Spectrum for Long-Period Fiber Gratings. Journal of Lightwave Technology, 2013, 31, 2223-2229.	4.6	4
106	Propylene Carbonate Based Compact Fiber Machâ€“Zehnder Interferometric Electric Field Sensor. Journal of Lightwave Technology, 2013, 31, 1566-1572.	4.6	14
107	Micro-fiber inclinometer based on deformation of FBG. Proceedings of SPIE, 2013, , .	0.8	0
108	All-fiber vibration sensor based on a Fabryâ€“Perot interferometer and a microstructure beam. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1211.	2.1	42

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109	Long-period gratings inscribed in photonic crystal fiber by symmetric CO_2 laser irradiation. Optics Express, 2013, 21, 13208.	3.4	26
110	Industry Compatible Embossing Process for the Fabrication of Waveguide-Embedded Optical Printed Circuit Boards. Journal of Lightwave Technology, 2013, 31, 4045-4050.	4.6	14
111	Modulation instabilities in birefringent two-core optical fibres. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 165404.	1.5	22
112	Pressure-assisted low-loss fusion splicing between photonic crystal fiber and single-mode fiber. Optics Express, 2012, 20, 24465.	3.4	25
113	CO_2 laser induced refractive index changes in optical polymers. Optics Express, 2012, 20, 576.	3.4	7
114	Long-Period Fiber Grating Within D-Shaped Fiber Using Magnetic Fluid for Magnetic-Field Detection. IEEE Photonics Journal, 2012, 4, 2095-2104.	2.0	58
115	Remote sensing based on reflective bandpass long-period fiber grating and fiber ring laser. , 2012, , .		1
116	Electro-optic long-period waveguide grating devices. , 2012, , .		0
117	All Single-Mode Fiber Machâ€“Zehnder Interferometer Based on Two Peanut-Shape Structures. Journal of Lightwave Technology, 2012, 30, 805-810.	4.6	110
118	Formulae for the Design of Polarization-Insensitive Multimode Interference Couplers. IEEE Photonics Technology Letters, 2011, 23, 1277-1279.	2.5	12
119	Bottom-Heating Approach for the Realization of Thermooptic Polymer Waveguide Devices. IEEE Photonics Technology Letters, 2011, 23, 155-157.	2.5	2
120	Modulation instabilities in two-core optical fibers. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1693.	2.1	70
121	Wavelength switching of picosecond pulses generated from a self-seeded Fabryâ€“Perot laser diode with a tilted fiber Bragg grating formed in a graded-index multimode fiber. Applied Optics, 2011, 50, 829.	2.1	3
122	Tunable negative-tap photonic microwave filter based on a cladding-mode coupler and an optically injected laser of large detuning. Optics Express, 2011, 19, 12045.	3.4	16
123	Torsion sensing with a fiber ring laser incorporating a pair of rotary long-period fiber gratings. Optics Communications, 2011, 284, 5299-5302.	2.1	61
124	Nonlinear Switching of Ultrashort Pulses in Multicore Fibers. IEEE Journal of Quantum Electronics, 2011, 47, 1499-1505.	1.9	21
125	Optical sensing based on light coupling between two parallel long-period fiber gratings. Photonic Sensors, 2011, 1, 204-209.	5.0	1
126	Propagation of ultrashort pulses in a nonlinear two-core photonic crystal fiber. Applied Physics B: Lasers and Optics, 2010, 98, 815-820.	2.2	23

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127	Fabryâ€“Perot optical fiber tip sensor for high temperature measurement. Optics Communications, 2010, 283, 3683-3685.	2.1	108
128	Development of optical polymer waveguide devices. , 2010, , .		6
129	All-Fiber Tunable Microwave Photonic Filter Based on a Cladding-Mode Coupler. IEEE Photonics Technology Letters, 2010, 22, 1241-1243.	2.5	5
130	Planar long-period grating filter based on long-range surface plasmon mode of buried metal stripe waveguide. Optics Express, 2010, 18, 8963.	3.4	9
131	Pulse propagation in a decoupled two-core fiber. Optics Express, 2010, 18, 21261.	3.4	11
132	Thermally tunable lithium-niobate long-period waveguide grating filter fabricated by reactive ion etching. Optics Letters, 2010, 35, 484.	3.3	22
133	Microwave photonic filter based on circulating a cladding mode in a fiber ring resonator. Optics Letters, 2010, 35, 769.	3.3	21
134	Analysis of Lithium Niobate Electrooptic Long-Period Waveguide Gratings. Journal of Lightwave Technology, 2010, 28, 1477-1484.	4.6	11
135	CO<inf>2</inf>-laser writing of long-period gratings in tensioned boron-doped fibers. , 2009, , .		0
136	Propagation of ultrashort pulses in a nonlinear long-period fiber grating. Applied Physics B: Lasers and Optics, 2009, 94, 599-607.	2.2	5
137	Fabrication of segmented cladding fiber by bicomponent spinning. Polymer Engineering and Science, 2009, 49, 1865-1870.	3.1	16
138	UV-written long-period waveguide grating coupler for broadband add/drop multiplexing. Optics Communications, 2009, 282, 378-381.	2.1	10
139	Effects of group-delay difference on ultrashort pulse propagation in an active nonlinear LPFG. Optics Communications, 2009, 282, 4796-4799.	2.1	0
140	Optical coupling between a long-period fiber grating and a parallel tilted fiber Bragg grating. Optics Letters, 2009, 34, 1726.	3.3	28
141	Characterization of Long-Period Fiber Gratings Written by CO$_{2}$ Laser in Twisted Single-Mode Fibers. Journal of Lightwave Technology, 2009, 27, 4863-4869.	4.6	42
142	CO_2 laser writing of long-period fiber grating in photonic crystal fiber under tension. Optics Express, 2009, 17, 4533.	3.4	28
143	Refractive-index sensor based on long-range surface plasmon mode excitation with longperiod waveguide grating. Optics Express, 2009, 17, 7933.	3.4	39
144	All-fiber bandwidth-tunable band-rejection filter based on a composite grating induced by CO_2 laser pulses. Optics Express, 2009, 17, 16750.	3.4	7

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145	Active chromatic control on the group velocity of light at arbitrary wavelength in benzocyclobutene polymer. Optics Express, 2009, 17, 18292.	3.4	2
146	Development of long-period fiber grating coupling devices. Applied Optics, 2009, 48, F61.	2.1	13
147	Design and Fabrication of Polymer Cross Fiber for Large-Core Single-Mode Operation. Journal of Lightwave Technology, 2009, 27, 101-107.	4.6	14
148	Glass Structure Changes in CO$_{2}$-Laser Writing of Long-Period Fiber Gratings in Boron-Doped Single-Mode Fibers. Journal of Lightwave Technology, 2009, 27, 857-863.	4.6	81
149	Highly Sensitive Temperature-Independent Strain Sensor Based on a Long-Period Fiber Grating With a CO$_{2}$-Laser Engraved Rotary Structure. IEEE Photonics Technology Letters, 2009, 21, 543-545.	2.5	25
150	Writing of Apodized Phase-Shifted Long-Period Fiber Gratings With a Computer-Controlled CO$_{2}$ Laser. IEEE Photonics Technology Letters, 2009, 21, 657-659.	2.5	27
151	CO$_{2}$ Laser-Written Long-Period Fiber Gratings in a Germaniumâ€“Boron Codoped Fiber: Effects of Applying Tension During the Writing Process. IEEE Photonics Technology Letters, 2009, 21, 1456-1458.	2.5	9
152	Wavelength-Switchable Picosecond Laser Pulses Generated from a Self-Seeded Fabry-Perot Laser Diode and a Tilted Multimode Fiber Bragg Grating. , 2009, , .		0
153	Large-core single-mode channel waveguide based on geometrically shaped leaky cladding. Applied Physics B: Lasers and Optics, 2008, 90, 507-512.	2.2	12
154	Light guidance in a photonic bandgap slab waveguide consisting of two different Bragg reflectors. Optics Communications, 2008, 281, 5797-5803.	2.1	13
155	Growth of c-axis orientation ZnO films on polymer substrates by radio-frequency magnetron sputtering. Optical Materials, 2008, 30, 1244-1250.	3.6	13
156	Writing of Long-Period Gratings in Conventional and Photonic-Crystal Polarization-Maintaining Fibers by CO$_{2}$-Laser Pulses. IEEE Photonics Technology Letters, 2008, 20, 132-134.	2.5	43
157	Broadband Multiport Dynamic Optical Power Distributor Based on Thermooptic Polymer Waveguide Vertical Couplers. IEEE Photonics Technology Letters, 2008, 20, 273-275.	2.5	5
158	Lithiumâ€“Niobate Channel Waveguide for the Realization of Long-Period Gratings. IEEE Photonics Technology Letters, 2008, 20, 1258-1260.	2.5	12
159	CO_2 laser writing of long-period fiber gratings in optical fibers under tension. Optics Letters, 2008, 33, 1933.	3.3	48
160	Refractive-Index Profiling of Buried Planar Waveguides by an Inverse Wentzelâ€“Kramerâ€“Brillouin Method. Journal of Lightwave Technology, 2008, 26, 1367-1373.	4.6	9
161	Analysis of Erbium-Doped Ultralarge-Core Segmented-Cladding Fibers for Optical Amplification. Journal of Lightwave Technology, 2008, 26, 3098-3103.	4.6	5
162	Analysis of Six-Port Optical Fiber Couplers Based on Three Parallel Long-Period Fiber Gratings. Journal of Lightwave Technology, 2008, 26, 3277-3286.	4.6	7

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163	Laser-micromachined Fabry-Perot optical fiber tip sensor for high-resolution temperature-independent measurement of refractive index. Optics Express, 2008, 16, 2252.	3.4	318
164	Electro-optic long-period waveguide gratings in lithium niobate. Optics Express, 2008, 16, 20409.	3.4	26
165	CO<inf>2</inf>-Laser Writing of Polymer Long-Period Waveguide Gratings. , 2008, , .		2
166	Technique of applying the prism-coupler method for accurate measurement of the effective indices of channel waveguides. Optical Engineering, 2008, 47, 034601.	1.0	19
167	Dynamics in the writing of long-period gratings in boron-doped fibers by CO<inf>2</inf>-laser pulses. , 2008, , .		0
168	High-sensitivity temperature-independent strain sensor based on a long-period fiber grating with a CO 2 -laser engraved rotary structure. , 2008, , .		1
169	Development of Long-Period Fiber Grating Coupling Devices. , 2008, , .		0
170	Mach-Zehnder Electro-Optic Modulator Based on Epitaxial Ba_{0.7}Sr_{0.3}TiO₃Thin Films. Ferroelectrics, 2007, 357, 109-114.	0.6	2
171	Disappearance of modes in planar Bragg waveguides. Optics Letters, 2007, 32, 2369.	3.3	5
172	Symmetric 3 x 3 optical coupler using three parallel long-period fiber gratings. Optics Express, 2007, 15, 6494.	3.4	14
173	Light coupling between two parallel CO_2-laser written long-period fiber gratings. Optics Express, 2007, 15, 17645.	3.4	47
174	Characterization of Ultrathin Dielectric Films With the Prism-Coupler Method. Journal of Lightwave Technology, 2007, 25, 1206-1212.	4.6	10
175	Characterization of Single-Mode Fiber With Fiber Bragg Gratings for the Design of Long-Period Gratings. Journal of Lightwave Technology, 2007, 25, 2129-2134.	4.6	5
176	Characterization of Cladding Modes for the Design of Long-Period Fiber Gratings. , 2007, , .		0
177	Effects of intrapulse stimulated Raman scattering on short pulse propagation in a nonlinear two-core fiber. Applied Physics B: Lasers and Optics, 2007, 87, 45-52.	2.2	4
178	CO/sub 2/-laser-induced long-period gratings in graded-index multimode fibers for sensor applications. IEEE Photonics Technology Letters, 2006, 18, 190-192.	2.5	21
179	Broad-band optical coupler based on evanescent-field coupling between three parallel long-period fiber gratings. IEEE Photonics Technology Letters, 2006, 18, 229-231.	2.5	11
180	Band-rejection filter with widely tunable center wavelength and contrast using metal long-period grating on polymer waveguide. IEEE Photonics Technology Letters, 2006, 18, 1109-1111.	2.5	32

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181	Fiber-Bragg-grating cavity sensor interrogated with a self-seeded fabry-Perot laser diode. IEEE Photonics Technology Letters, 2006, 18, 2153-2155.	2.5	13
182	Condition for the realization of a temperature-insensitive long-period waveguide grating. Optics Letters, 2006, 31, 2716.	3.3	18
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