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	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
2	Construction of refractive-index profiles of planar dielectric waveguides from the distribution of effective indexes. Journal of Lightwave Technology, 1985, 3, 385-391.	4.6	305
3	Graphene-coated microfiber Bragg grating for high-sensitivity gas sensing. Optics Letters, 2014, 39, 1235.	3.3	170
4	Analysis of etched long-period fibre grating and its response to external refractive index. Electronics Letters, 2000, 36, 966.	1.0	167
5	Review of numerical and approximate methods for the modal analysis of general optical dielectric waveguides. Optical and Quantum Electronics, 1994, 26, S113-S134.	3.3	153
6	High-sensitivity pressure sensor using a shielded polymer-coated fiber Bragg grating. IEEE Photonics Technology Letters, 2001, 13, 618-619.	2.5	144
7	Multiwavelength erbium-doped fibre laser based on a high-birefringence fibre loop mirror. Electronics Letters, 2000, 36, 1609.	1.0	143
8	Simultaneous pressure and temperature measurement with polymer-coated fibre Bragg grating. Electronics Letters, 2000, 36, 564.	1.0	121
9	All Single-Mode Fiber Machâ€“Zehnder Interferometer Based on Two Peanut-Shape Structures. Journal of Lightwave Technology, 2012, 30, 805-810.	4.6	110
10	Fabryâ€“Perot optical fiber tip sensor for high temperature measurement. Optics Communications, 2010, 283, 3683-3685.	2.1	108
11	Temperature-Insensitive Mode Converters With CO₂-Laser Written Long-Period Fiber Gratings. IEEE Photonics Technology Letters, 2015, 27, 1006-1009.	2.5	101
12	Thermal effects on the transmission spectra of long-period fiber gratings. Optics Communications, 2002, 208, 321-327.	2.1	96
13	Long-period gratings in planar optical waveguides. Applied Optics, 2002, 41, 6351.	2.1	94
14	Analysis of phase-shifted long-period fiber gratings. IEEE Photonics Technology Letters, 1998, 10, 1596-1598.	2.5	91
15	Temperature compensation of long-period fiber grating for refractive-index sensing with bending effect. IEEE Photonics Technology Letters, 2002, 14, 361-362.	2.5	86
16	Propagation of short optical pulses in directional couplers with Kerr nonlinearity. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 1437.	2.1	85
17	Widely tunable long-period gratings fabricated in polymer-clad ion-exchanged glass waveguides. IEEE Photonics Technology Letters, 2003, 15, 1094-1096.	2.5	81
18	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

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19	Graphene enhanced evanescent field in microfiber multimode interferometer for highly sensitive gas sensing. Optics Express, 2014, 22, 28154.	3.4	71
20	Modulation instabilities in two-core optical fibers. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1693.	2.1	70
21	Analysis of corrugated long-period gratings in slab waveguides and their polarization dependence. Journal of Lightwave Technology, 2003, 21, 3399-3405.	4.6	67
22	Compact Three-Dimensional Polymer Waveguide Mode Multiplexer. Journal of Lightwave Technology, 2015, 33, 4580-4588.	4.6	67
23	Four-Wave Mixing in a Microfiber Attached Onto a Graphene Film. IEEE Photonics Technology Letters, 2014, 26, 249-252.	2.5	66
24	Experimental verification of optical models of graphene with multimode slab waveguides. Optics Letters, 2016, 41, 2129.	3.3	66
25	Stimulated Raman scattering in a multimode optical fiber: evolution of modes in Stokes waves. Optics Letters, 1992, 17, 352.	3.3	62
26	Propagation characteristics of a segmented cladding fiber. Optics Letters, 2001, 26, 491.	3.3	61
27	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
28	Soliton interaction in a two-core optical fiber. Optics Communications, 2004, 229, 431-439.	2.1	60
29	Mode converters based on cascaded long-period waveguide gratings. Optics Letters, 2016, 41, 3130.	3.3	60
30	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
31	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
32	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
33	Ultra-broadband mode multiplexers based on three-dimensional asymmetric waveguide branches. Optics Letters, 2017, 42, 407.	3.3	56
34	A novel tunable all-optical incoherent negative-tap fiber-optic transversal filter based on a DFB laser diode and fiber Bragg gratings. IEEE Photonics Technology Letters, 2000, 12, 1207-1209.	2.5	55
35	Analysis of Two Parallel Long-Period Fiber Gratings. Journal of Lightwave Technology, 2004, 22, 1358-1366.	4.6	55
36	Coupling between two parallel long-period fibre gratings. Electronics Letters, 2000, 36, 1408.	1.0	54

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37	Mode multiplexer based on integrated horizontal and vertical polymer waveguide couplers. Optics Letters, 2015, 40, 3125.	3.3	50
38	Ultra-efficient and stable electro-optic dendrimers containing supramolecular homodimers of semifluorinated dipolar aromatics. Materials Chemistry Frontiers, 2018, 2, 901-909.	5.9	49
39	Coupled-mode equations for pulse switching in parallel waveguides. IEEE Journal of Quantum Electronics, 1997, 33, 950-954.	1.9	48
40	Simultaneous existence of a multiplicity of stable and unstable solitons in dissipative systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 291, 115-123.	2.1	48
41	CO_2 laser writing of long-period fiber gratings in optical fibers under tension. Optics Letters, 2008, 33, 1933.	3.3	48
42	Temperature-compensated fiber-Bragg-grating-based magnetostrictive sensor for dc and ac currents. Optical Engineering, 2003, 42, 1906.	1.0	47
43	Light coupling between two parallel CO_2-laser written long-period fiber gratings. Optics Express, 2007, 15, 17645.	3.4	47
44	Graphene-Based Ammonia-Gas Sensor Using In-Fiber Mach-Zehnder Interferometer. IEEE Photonics Technology Letters, 2017, 29, 2035-2038.	2.5	47
45	Mode switch based on electro-optic long-period waveguide grating in lithium niobate. Optics Letters, 2015, 40, 237.	3.3	46
46	Mode Multiplexer With Cascaded Vertical Asymmetric Waveguide Directional Couplers. Journal of Lightwave Technology, 2018, 36, 2903-2911.	4.6	46
47	UV-written long-period gratings on polymer waveguides. IEEE Photonics Technology Letters, 2005, 17, 594-596.	2.5	45
48	Micro-Fiber-Based FBG Sensor for Simultaneous Measurement of Vibration and Temperature. IEEE Photonics Technology Letters, 2013, 25, 1751-1753.	2.5	45
49	Ultra-broadband mode filters based on graphene-embedded waveguides. Optics Letters, 2017, 42, 3868.	3.3	45
50	Stress-induced birefringence fibers designed for single-polarization single-mode operation. Journal of Lightwave Technology, 1989, 7, 436-441.	4.6	44
51	Analysis of the effective-index method for the vector modes of rectangular-core dielectric waveguides. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 692-700.	4.6	44
52	Switching dynamics of short optical pulses in a nonlinear directional coupler. IEEE Journal of Quantum Electronics, 1999, 35, 79-83.	1.9	44
53	Microbend-induced mode coupling in a graded-index multimode fiber. Applied Optics, 2005, 44, 7394.	2.1	44
54	Widely tunable long-period waveguide grating couplers. Optics Express, 2006, 14, 12644.	3.4	44

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55	Graphene-based D-shaped fiber multicore mode interferometer for chemical gas sensing. Optics Letters, 2014, 39, 6030.	3.3	44
56	Gain flattening of an erbium-doped fiber amplifier using a high-birefringence fiber loop mirror. IEEE Photonics Technology Letters, 2001, 13, 942-944.	2.5	43
57	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
58	Analysis of apodized phase-shifted long-period fiber gratings. Optics Communications, 2005, 244, 233-243.	2.1	42
59	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
60	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
61	Finite element method for cutoff frequencies of weakly guiding fibres of arbitrary cross-section. Optical and Quantum Electronics, 1984, 16, 487-493.	3.3	41
62	Finite-element analysis of optical fibres with iterative treatment of the infinite 2-D space. Optical and Quantum Electronics, 1985, 17, 381-391.	3.3	39
63	Effective-index method for the analysis of optical waveguide couplers and arrays: an asymptotic theory. Journal of Lightwave Technology, 1991, 9, 62-72.	4.6	39
64	Refractive-index sensor based on long-range surface plasmon mode excitation with longperiod waveguide grating. Optics Express, 2009, 17, 7933.	3.4	39
65	Widely Wavelength-Tunable Mode Converter Based on Polymer Waveguide Grating. IEEE Photonics Technology Letters, 2015, 27, 1985-1988.	2.5	39
66	Surface-Plasmon-Resonance Refractive-Index Sensor With Cu-Coated Polymer Waveguide. IEEE Photonics Technology Letters, 2016, 28, 1835-1838.	2.5	38
67	Electro-optic mode switch based on lithium-niobate Machâ€“Zehnder interferometer. Applied Optics, 2016, 55, 4418.	2.1	38
68	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
69	Ultra-broadband mode converters based on length-apodized long-period waveguide gratings. Optics Express, 2017, 25, 14341.	3.4	38
70	Tunable long-period fiber gratings for EDFA gain and ASE equalization. Microwave and Optical Technology Letters, 2000, 25, 181-184.	1.4	37
71	Broadband mode switch based on a three-dimensional waveguide Machâ€“Zehnder interferometer. Optics Letters, 2017, 42, 4877.	3.3	37
72	Temperature sensitivity of a long-period waveguide grating in a channel waveguide. Applied Physics Letters, 2005, 86, 241115.	3.3	36

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73	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
74	Buried graphene electrode heater for a polymer waveguide thermo-optic device. Optics Letters, 2019, 44, 1480.	3.3	36
75	Electrode optimization for high-speed traveling-wave integrated optic modulators. Journal of Lightwave Technology, 1998, 16, 232-238.	4.6	34
76	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
77	Temperature-insensitive fiber-Bragg-grating-based vibration sensor. Optical Engineering, 2001, 40, 2582.	1.0	33
78	Widely tunable optical bandpass filter by use of polymer long-period waveguide gratings. Applied Optics, 2006, 45, 2755.	2.1	33
79	Detection of high-frequency ultrasound with a polarization-maintaining fiber. Journal of Lightwave Technology, 1990, 8, 1221-1227.	4.6	32
80	Birefringence in benzocyclobutene strip optical waveguides. IEEE Photonics Technology Letters, 2003, 15, 700-702.	2.5	32
81	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
82	Robust Mode Matching between Structurally Dissimilar Optical Fiber Waveguides. ACS Photonics, 2021, 8, 857-863.	6.6	31
83	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
84	Mode-Selective Switch Based on Thermo-Optic Asymmetric Directional Coupler. IEEE Photonics Technology Letters, 2018, 30, 618-621.	2.5	30
85	Graphene electrodes for lithium-niobate electro-optic devices. Optics Letters, 2018, 43, 1718.	3.3	29
86	Optical coupling between a long-period fiber grating and a parallel tilted fiber Bragg grating. Optics Letters, 2009, 34, 1726.	3.3	28
87	CO_2 laser writing of long-period fiber grating in photonic crystal fiber under tension. Optics Express, 2009, 17, 4533.	3.4	28
88	Dispersion characteristics of strip dielectric waveguides. IEEE Transactions on Microwave Theory and Techniques, 1991, 39, 349-352.	4.6	27
89	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
90	Self-seeding of Fabry-Perot laser diode for generating wavelength-tunable chirp-compensated single-mode pulses with high-sidemode suppression ratio. IEEE Photonics Technology Letters, 2000, 12, 1441-1443.	2.5	26

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91	Electro-optic long-period waveguide gratings in lithium niobate. Optics Express, 2008, 16, 20409.	3.4	26
92	Long-period gratings inscribed in photonic crystal fiber by symmetric CO_2 laser irradiation. Optics Express, 2013, 21, 13208.	3.4	26
93	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
94	Externally pumped low-loss graphene-based fiber Mach-Zehnder all-optical switches with mW switching powers. Optics Express, 2019, 27, 4216.	3.4	26
95	The characterization of highâ€frequency ultrasonic fields using a polarimetric optical fiber sensor. Journal of Applied Physics, 1989, 66, 1565-1570.	2.5	25
96	Design of optical strip-loaded waveguides with zero modal birefringence. Journal of Lightwave Technology, 1998, 16, 1240-1248.	4.6	25
97	Study of polarization-dependent coupling in optical waveguide directional couplers by the effective-index method with built-in perturbation correction. Journal of Lightwave Technology, 2002, 20, 1018-1026.	4.6	25
98	Long-period gratings in polymer ridge waveguides. Optics Express, 2005, 13, 1150.	3.4	25
99	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
100	Pressure-assisted low-loss fusion splicing between photonic crystal fiber and single-mode fiber. Optics Express, 2012, 20, 24465.	3.4	25
101	Nanoscale lightâ€“matter interactions in metalâ€“organic frameworks cladding optical fibers. Nanoscale, 2020, 12, 9991-10000.	5.6	25
102	Generation of wavelength-tunable single-mode picosecond pulses from a self-seeded gain-switched Fabryâ€“Perot laser diode with a high-birefringence fiber loop mirror. Applied Physics Letters, 2000, 76, 3676-3678.	3.3	24
103	Holey optical fiber with circularly distributed holes analyzed by the radial effective-index method. Optics Letters, 2003, 28, 2449.	3.3	24
104	Generation of Dual-Wavelength Picosecond Pulses From a Self-Seeded Fabryâ€“PÃ‰rot Laser Diode and a Polarization-Maintaining Fiber Bragg Grating. IEEE Photonics Technology Letters, 2004, 16, 1742-1744.	2.5	23
105	Design and fabrication of a broadband polymer vertically coupled optical switch. Journal of Lightwave Technology, 2006, 24, 904-911.	4.6	23
106	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
107	Three-dimensional long-period waveguide gratings for mode-division-multiplexing applications. Optics Express, 2018, 26, 15289.	3.4	23
108	Ultra-Broadband Mode Filter Based on Phase-Shifted Long-Period Grating. IEEE Photonics Technology Letters, 2019, 31, 1052-1055.	2.5	23

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109	Electro-optic reconfigurable two-mode (de)multiplexer on thin-film lithium niobate. Optics Letters, 2021, 46, 1001.	3.3	23
110	Effective-index method with built-in perturbation correction for the vector modes of rectangular-core optical waveguides. Journal of Lightwave Technology, 1999, 17, 716-722.	4.6	22
111	Refractive-index profiling of graded-index planar waveguides from effective indexes measured with different external refractive indexes. Journal of Lightwave Technology, 2000, 18, 1412-1417.	4.6	22
112	Design of polarization-insensitive Bragg gratings in zero-birefringence ridge waveguides. IEEE Journal of Quantum Electronics, 2001, 37, 1138-1145.	1.9	22
113	Analysis and design of long-period waveguide-grating couplers. Journal of Lightwave Technology, 2005, 23, 4363-4373.	4.6	22
114	Thermally tunable lithium-niobate long-period waveguide grating filter fabricated by reactive ion etching. Optics Letters, 2010, 35, 484.	3.3	22
115	Modulation instabilities in birefringent two-core optical fibres. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 165404.	1.5	22
116	Horizontal Directional Coupler Formed With Waveguides of Different Heights for Mode-Division Multiplexing. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	22
117	Polarization-insensitive ultra-broadband mode filter based on a 3D graphene structure buried in an optical waveguide. Optica, 2020, 7, 744.	9.3	22
118	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
119	Microwave photonic filter based on circulating a cladding mode in a fiber ring resonator. Optics Letters, 2010, 35, 769.	3.3	21
120	Nonlinear Switching of Ultrashort Pulses in Multicore Fibers. IEEE Journal of Quantum Electronics, 2011, 47, 1499-1505.	1.9	21
121	A photochromic dye doped polymeric Machâ€“Zehnder interferometer for UV light detection. Journal of Materials Chemistry C, 2019, 7, 6257-6265.	5.5	21
122	Thermo-Optically Controlled Vertical Waveguide Directional Couplers for Mode-Selective Switching. IEEE Photonics Journal, 2018, 10, 1-14.	2.0	20
123	Low-power all-optical switch based on a graphene-buried polymer waveguide Mach-Zehnder interferometer. Optics Express, 2022, 30, 6786.	3.4	20
124	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
125	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
126	Polarization-insensitive mode-independent thermo-optic switch based on symmetric waveguide directional coupler. Optics Express, 2019, 27, 35385.	3.4	19

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127	Geometrical birefringence in a class of step-index fiber. Journal of Lightwave Technology, 1987, 5, 737-744.	4.6	18
128	<title>Effective-index analysis of optical waveguides</title>. , 1995, , .		18
129	Scaling property and multi-resonance of PCF-based long period gratings. Optics Express, 2004, 12, 6252.	3.4	18
130	Propagation of short pulses in an active nonlinear two-core optical fiber. IEEE Journal of Quantum Electronics, 2004, 40, 1597-1602.	1.9	18
131	Fiber-Bragg-grating force sensor based on a wavelength-switched self-seeded Fabry-Pe/spl acute/rot laser diode. IEEE Photonics Technology Letters, 2005, 17, 450-452.	2.5	18
132	Condition for the realization of a temperature-insensitive long-period waveguide grating. Optics Letters, 2006, 31, 2716.	3.3	18
133	Graphene Bragg gratings on microfiber. Optics Express, 2014, 22, 23829.	3.4	18
134	Mode-selective coupling between few-mode fibers and buried channel waveguides. Optics Express, 2016, 24, 30108.	3.4	18
135	Nano-functionalized long-period fiber grating probe for disease-specific protein detection. Journal of Materials Chemistry B, 2018, 6, 386-392.	5.8	18
136	Ultraviolet photolytic-induced changes in optical fibers: the thermal expansion coefficient. Optics Letters, 1993, 18, 965.	3.3	17
137	Refractive-index profiling of graded-index planar waveguides from effective indexes measured for both mode types and at different wavelengths. Journal of Lightwave Technology, 1996, 14, 827-832.	4.6	17
138	Effective-index method with built-in perturbation correction for integrated optical waveguides. Journal of Lightwave Technology, 1996, 14, 223-228.	4.6	17
139	Magneto-optical electric-current sensor with enhanced sensitivity. Measurement Science and Technology, 2002, 13, N61-N63.	2.6	17
140	Temperature-Insensitive Real-Time Inclinometer Based on an Etched Fiber Bragg Grating. IEEE Photonics Technology Letters, 2014, 26, 1049-1052.	2.5	17
141	Fast and low-power thermo-optic switch based on organicâ€“inorganic hybrid strip-loaded waveguides. Optics Letters, 2018, 43, 5102.	3.3	17
142	Generation of dual-wavelength picosecond pulses with close wavelength separation from a self-seeded Fabry-Perot laser diode. IEEE Photonics Technology Letters, 2003, 15, 1452-1454.	2.5	16
143	Multiplexing of Temperature-Compensated Fiber-Bragg-Grating Magnetostrictive Sensors With a Dual-Wavelength Pulse Laser. IEEE Photonics Technology Letters, 2004, 16, 572-574.	2.5	16
144	Optical rib waveguide based on epitaxial Ba0.7Sr0.3TiO3 thin film grown on MgO. Thin Solid Films, 2006, 510, 329-333.	1.8	16

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145	Fabrication of segmented cladding fiber by bicomponent spinning. Polymer Engineering and Science, 2009, 49, 1865-1870.	3.1	16
146	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
147	Leaky-mode long-period grating on a lithium-niobate-on-insulator waveguide. Optica, 2021, 8, 1624.	9.3	16
148	Soliton states in a nonlinear directional coupler with intermodal dispersion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 301, 27-34.	2.1	15
149	Long-Period Waveguide Gratings. Japanese Journal of Applied Physics, 2004, 43, 5690-5696.	1.5	15
150	Leaky optical waveguide for high power applications. Applied Physics B: Lasers and Optics, 2006, 85, 11-16.	2.2	15
151	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
152	Electro-optic mode-selective switch based on cascaded three-dimensional lithium-niobate waveguide directional couplers. Optics Express, 2020, 28, 35506.	3.4	15
153	Design of highly birefringent fibers to optimize or minimize pressure-induced birefringence. IEEE Photonics Technology Letters, 1991, 3, 654-656.	2.5	14
154	Rib waveguides with degenerate polarised modes. Electronics Letters, 1996, 32, 1098.	1.0	14
155	Evaluation of intermodal dispersion in a two-core fiber with non-identical cores. Optics Communications, 2003, 219, 171-176.	2.1	14
156	Birefringence characteristics of benzocyclobutene rib optical waveguides. Electronics Letters, 2004, 40, 372.	1.0	14
157	Symmetric 3 x 3 optical coupler using three parallel long-period fiber gratings. Optics Express, 2007, 15, 6494.	3.4	14
158	Design and Fabrication of Polymer Cross Fiber for Large-Core Single-Mode Operation. Journal of Lightwave Technology, 2009, 27, 101-107.	4.6	14
159	Propylene Carbonate Based Compact Fiber Machâ€“Zehnder Interferometric Electric Field Sensor. Journal of Lightwave Technology, 2013, 31, 1566-1572.	4.6	14
160	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
161	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
162	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

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163	Coupled-zigzag-wave theory for guided waves in slab waveguide arrays. Journal of Lightwave Technology, 1992, 10, 1380-1387.	4.6	13
164	New design of optical electric-current sensor for sensitivity improvement. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 418-423.	4.7	13
165	A wide-angle X-junction in polymer using truncated-structural branches (TSB). Journal of Lightwave Technology, 2002, 20, 86-91.	4.6	13
166	Temperature compensation for a fiber-Bragg-grating-based magnetostrictive sensor. Microwave and Optical Technology Letters, 2003, 36, 211-213.	1.4	13
167	Design and fabrication of a three-dimensional polymer optical waveguide polarization splitter. Optics Communications, 2005, 250, 297-301.	2.1	13
168	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
169	Transfer-matrix method for the analysis of two parallel dissimilar nonuniform long-period fiber gratings. Journal of Lightwave Technology, 2006, 24, 1008-1018.	4.6	13
170	Analysis of long-period waveguide grating arrays. Journal of Lightwave Technology, 2006, 24, 3856-3863.	4.6	13
171	Light guidance in a photonic bandgap slab waveguide consisting of two different Bragg reflectors. Optics Communications, 2008, 281, 5797-5803.	2.1	13
172	Growth of c-axis orientation ZnO films on polymer substrates by radio-frequency magnetron sputtering. Optical Materials, 2008, 30, 1244-1250.	3.6	13
173	Development of long-period fiber grating coupling devices. Applied Optics, 2009, 48, F61.	2.1	13
174	A Lithium-Niobate Waveguide Directional Coupler for Switchable Mode Multiplexing. IEEE Photonics Technology Letters, 2018, 30, 1764-1767.	2.5	13
175	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
176	Use of a fibre-optic hydrophone in measuring acoustic parameters of high power hyperthermia transducers. Physics in Medicine and Biology, 1989, 34, 1609-1622.	3.0	12
177	Fiber-Bragg-grating force sensor based on a wavelength-switching actively mode-locked erbium-doped fiber laser. Applied Optics, 2005, 44, 4822.	2.1	12
178	Tailoring the transmission characteristics of polymer long-period waveguide gratings by UV irradiation. IEEE Photonics Technology Letters, 2005, 17, 2340-2342.	2.5	12
179	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
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