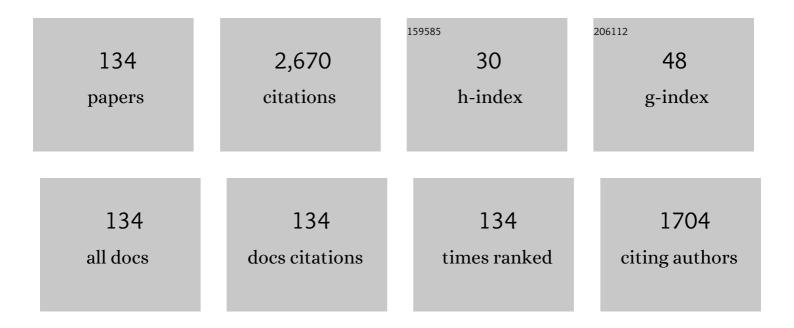
Young-Geun Han

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Wavelength-spacing tunable multiwavelength erbium-doped fiber laser based on four-wave mixing of dispersion-shifted fiber. Optics Letters, 2006, 31, 697.	3.3	155
2	Multiwavelength Raman fiber-ring laser based on tunable cascaded long-period fiber gratings. IEEE Photonics Technology Letters, 2003, 15, 383-385.	2.5	141
3	Simultaneous measurement of temperature and strain using dual long-period fiber gratings with controlled temperature and strain sensitivities. Optics Express, 2003, 11, 476.	3.4	134
4	Multiwavelength Raman-fiber-laser-based long-distance remote sensor for simultaneous measurement of strain and temperature. Optics Letters, 2005, 30, 1282.	3.3	116
5	Sensitive DNA biosensor based on a long-period grating formed on the side-polished fiber surface. Optics Express, 2009, 17, 3855.	3.4	93
6	Simultaneous Measurement of Strain and Temperature by Using a Micro-Tapered Fiber Grating. Journal of Lightwave Technology, 2012, 30, 1156-1160.	4.6	83
7	Switchable multiwavelength erbium doped fiber laser based on a nonlinear optical loop mirror incorporating multiple fiber Bragg gratings. Optics Express, 2008, 16, 1460.	3.4	79
8	Fibre-optic sensing applications of a pair of long-period fibre gratings. Measurement Science and Technology, 2001, 12, 778-781.	2.6	77
9	The temperature sensitivity of Sagnac loop interferometer based on polarization maintaining side-hole fiber. Optics Express, 2007, 15, 7962.	3.4	76
10	Strain and temperature sensitivities of an elliptical hollow-core photonic bandgap fiber based on Sagnac interferometer. Optics Express, 2009, 17, 2481.	3.4	69
11	Tunable multi-wavelength SOA fiber laser based on a Sagnac loop mirror using an elliptical core side-hole fiber. Optics Express, 2007, 15, 8371.	3.4	61
12	Optical fiber modal birefringence measurement based on Lyot-Sagnac interferometer. IEEE Photonics Technology Letters, 2003, 15, 269-271.	2.5	60
13	Lasing wavelength and spacing switchable multiwavelength fiber laser from 1510 to 1620 nm. IEEE Photonics Technology Letters, 2005, 17, 989-991.	2.5	57
14	Development of a multiwavelength Raman fiber laser based on phase-shifted fiber Bragg gratings for long-distance remote-sensing applications. Optics Letters, 2005, 30, 1114.	3.3	53
15	Flexibly tunable multiwavelength erbium-doped fiber laser based on four-wave mixing effect in dispersion-shifted fibers. Optics Express, 2005, 13, 10134.	3.4	51
16	Multi-point interrogation of FBG sensors using cascaded flexible wavelength-division Sagnac loop filters. Optics Express, 2006, 14, 8546.	3.4	51
17	Stable and Widely Tunable Single-Longitudinal-Mode Dual-Wavelength Erbium-Doped Fiber Laser for Optical Beat Frequency Generation. IEEE Photonics Technology Letters, 2012, 24, 521-523.	2.5	51
18	Effectively Tunable Dispersion Compensation Based on Chirped Fiber Bragg Gratings Without Central Wavelength Shift. IEEE Photonics Technology Letters, 2004, 16, 849-851.	2.5	48

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19	Relative Humidity Sensor Based on an Optical Microfiber Knot Resonator With a Polyvinyl Alcohol Overlay. Journal of Lightwave Technology, 2016, 34, 4511-4515.	4.6	47
20	Novel Multiwavelength Erbium-Doped Fiber and Raman Fiber Ring Lasers With Continuous Wavelength Spacing Tunability at Room Temperature. Journal of Lightwave Technology, 2007, 25, 2219-2225.	4.6	40
21	Relative Humidity Sensor Based on a Few-Mode Microfiber Knot Resonator by Mitigating the Group Index Difference of a Few-Mode Microfiber. Journal of Lightwave Technology, 2018, 36, 904-909.	4.6	40
22	Soliton solutions of coupled inhomogeneous nonlinear Schrödinger equation in plasma. Chaos, Solitons and Fractals, 2006, 29, 916-919.	5.1	39
23	Raman amplifier-based long-distance remote, strain and temperature sensing system using an erbium-doped fiber and a fiber Bragg grating. Optics Express, 2004, 12, 3515.	3.4	38
24	2 ~ 5 times tunable repetition-rate multiplication of a 10 GHz pulse source using a linearly tunable, chirped fiber Bragg grating. Optics Express, 2004, 12, 3900.	3.4	36
25	Polarization-Dependent In-Line Mach–Zehnder Interferometer for Discrimination of Temperature and Ambient Index Sensitivities. Journal of Lightwave Technology, 2012, 30, 1037-1041.	4.6	34
26	Tunable optical add-drop multiplexer based on long-period fiber gratings for coarse wavelength division multiplexing systems. Optics Letters, 2006, 31, 703.	3.3	32
27	Discrimination of bending and temperature sensitivities with phase-shifted long-period fiber gratings depending on initial coupling strength. Optics Express, 2004, 12, 3204.	3.4	31
28	Investigation of a multiwavelength Raman fiber laser based on few-mode fiber Bragg gratings. Optics Letters, 2005, 30, 2200.	3.3	31
29	Bending sensitivity of long-period fiber gratings inscribed in holey fibers depending on an axial rotation angle. Optics Express, 2007, 15, 12866.	3.4	31
30	Simultaneous measurement of bending and temperature based on a single sampled chirped fiber Bragg grating embedded on a flexible cantilever beam. Optics Letters, 2006, 31, 2839.	3.3	30
31	Investigation of Raman fiber laser temperature probe based on fiber Bragg gratings for long-distance remote sensing applications. Optics Express, 2004, 12, 1747.	3.4	29
32	Flexible all fiber Fabry-Perot filters based on superimposed chirped fiber Bragg gratings with continuous FSR tunability and its application to a multiwavelength fiber laser. Optics Express, 2007, 15, 2921.	3.4	29
33	Resonance peak shift and dual peak separation of long-period fiber gratings for sensing applications. IEEE Photonics Technology Letters, 2001, 13, 699-701.	2.5	27
34	Experimental study on seed light source coherence dependence of continuous-wave supercontinuum performance. Optics Express, 2006, 14, 3443.	3.4	27
35	Flexibly tunable multichannel filter and bandpass filter based on long-period fiber gratings. Optics Express, 2004, 12, 1902.	3.4	26
36	Individual switching of multi-wavelength lasing outputs based on switchable FBG filters. Optics Express, 2007, 15, 3702.	3.4	26

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37	Continuously spacing-tunable multiwavelength semiconductor-optical-amplifier-based fiber ring laser incorporating a superimposed chirped fiber Bragg grating. Optics Letters, 2007, 32, 1032.	3.3	25
38	A self-restorable architecture for bidirectional wavelength-division-multiplexed passive optical network with colorless ONUs. Optics Express, 2007, 15, 4863.	3.4	25
39	Influence of the waist diameters on transmission characteristics and strain sensitivity of microtapered long-period fiber gratings. Optics Letters, 2013, 38, 2669.	3.3	23
40	In-line interferometer based on intermodal coupling of a multicore fiber. Optics Express, 2015, 23, 18316.	3.4	22
41	Performance enhancement of long-distance simultaneous measurement of strain and temperature based on a fiber Raman laser with an etched FBG. IEEE Photonics Technology Letters, 2005, 17, 1920-1922.	2.5	21
42	Simultaneous independent measurement of strain and temperature based on long-period fiber gratings inscribed in holey fibers depending on air-hole size. Optics Letters, 2007, 32, 2245.	3.3	21
43	Discrimination of strain and temperature based on a polarization-maintaining photonic crystal fiber incorporating an erbium-doped fiber. Optics Communications, 2009, 282, 2161-2164.	2.1	19
44	Single, Depolarized, CW Supercontinuum-Based Wavelength-Division-Multiplexed Passive Optical Network Architecture With C-Band OLT, L-Band ONU, and U-Band Monitoring. Journal of Lightwave Technology, 2007, 25, 2891-2897.	4.6	18
45	Output performance investigation of self-phase-modulation-based 2R regenerator using bismuth oxide nonlinear fiber. IEEE Photonics Technology Letters, 2006, 18, 1296-1298.	2.5	17
46	Highly Sensitive Current Sensor Based on an Optical Microfiber Loop Resonator Incorporating Low Index Polymer Overlay. Journal of Lightwave Technology, 2015, 33, 2386-2391.	4.6	16
47	Cerium Oxide Nanoparticle-Containing Colorimetric Contact Lenses for Noninvasively Monitoring Human Tear Glucose. ACS Applied Nano Materials, 2021, 4, 5198-5210.	5.0	16
48	Transmission characteristics of fiber Bragg gratings written in holey fibers corresponding to air-hole size and their application. IEEE Photonics Technology Letters, 2006, 18, 1783-1785.	2.5	15
49	Relative Humidity Sensors Based on Microfiber Knot Resonators—A Review. Sensors, 2019, 19, 5196.	3.8	15
50	Discrimination of Strain and Temperature Sensitivities Based on Temperature Dependence of Birefringence in Long-Period Fiber Gratings. Japanese Journal of Applied Physics, 2005, 44, 3971-3974.	1.5	14
51	Tunable dispersion compensator based on uniform fiber Bragg grating and its application to tunable pulse repetition-rate multiplication. Optics Express, 2005, 13, 9224.	3.4	14
52	Wavelength-spacing-tunable multichannel filter incorporating a sampled chirped fiber Bragg grating based on a symmetrical chirp-tuning technique without center wavelength shift. Optics Letters, 2006, 31, 3571.	3.3	14
53	An agent-based collaborative assembly process planning system. International Journal of Advanced Manufacturing Technology, 2006, 28, 176-183.	3.0	14
54	Flexibly tunable multiwavelength Raman fiber laser based on symmetrical bending method. Optics Express, 2005, 13, 6330.	3.4	13

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55	Optical soliton propagation in erbium-doped fibre with variable dispersion and nonlinear effects. Journal of Modern Optics, 2006, 53, 1619-1626.	1.3	13
56	Raman amplification-based WDM-PON architecture with centralized Raman pump-driven, spectrum-sliced erbium ASE and polarization-insensitive EAMs. Optics Express, 2006, 14, 9036.	3.4	13
57	Ultrafast saturable absorption devices incorporating efficiently electrosprayed carbon nanotubes. Applied Physics Letters, 2010, 96, .	3.3	13
58	Wavelength and repetition rate tunable optical pulse source using a chirped fiber Bragg grating and a nonlinear optical loop mirror. IEEE Photonics Technology Letters, 2005, 17, 34-36.	2.5	12
59	Temperature-Insensitive Microfiber Mach–Zehnder Interferometer for Absolute Strain Measurement. Journal of Lightwave Technology, 2016, 34, 4579-4583.	4.6	12
60	Performance comparison of various configurations of single-pump dispersion-compensating Raman/EDFA hybrid amplifiers. IEEE Photonics Technology Letters, 2005, 17, 765-767.	2.5	11
61	Temperature and strain discrimination based on a temperature-insensitive birefringent interferometer incorporating an erbium-doped fiber. Applied Optics, 2009, 48, 2303. Compositional dependence of the temperature sensitivity in long-period fiber gratings with doping	2.1	10
62	concentration of <inline-formula><math <br="" display="inline">overflow="scroll"><msub><mi>GeO</mi><mrow><mn>2</mn></mrow></msub></math></inline-formula> and <inline-formula><math display="inline" overflow="scroll"><msub><mstyle mathvariant="normal"><mtat>B</mtat><mrow><mn>2</mn></mrow></mstyle </msub><msub><mstyle< td=""><td>1.0</td><td>9</td></mstyle<></msub></math></inline-formula>	1.0	9
63	mathvariant="normal"> <mtext>O</mtext> <mrow><mn>3</mn></mrow> Dynamic properties of single pump, dispersion-compensating Raman/EDFA hybrid amplifier recycling residual Raman pump. Optics Express, 2004, 12, 6594.	nula> 3.4	9
64	Long-distance simultaneous measurement of strain and temperature based on a fiber Raman laser with a single fiber Bragg grating embedded on a quartz plate. Optics Letters, 2005, 30, 1632.	3.3	9
65	Long distance fiber Bragg grating strain sensor interrogation using a high speed Raman-based Fourier domain mode-locked fiber laser with recycled residual Raman pump. Optics Express, 2013, 21, 13402.	3.4	9
66	Triple-wavelength switchable multiwavelength erbium-doped fiber laser based on a highly nonlinear photonic crystal fiber. Journal of the Korean Physical Society, 2010, 56, 1251-1255.	0.7	9
67	Polarization-insensitive multi-wavelength switching based on polarization-selective long-period fiber gratings. Optics Express, 2004, 12, 6082.	3.4	8
68	Effect of a Waist Diameter of a Microtapered Polarization-Maintaining Fiber on Temperature and Ambient Index Sensitivities. Journal of Lightwave Technology, 2015, 33, 2585-2590.	4.6	8
69	Effects of Fiber Cladding Diameter on Cladding-Mode Coupling in Fiber Bragg Gratings. Japanese Journal of Applied Physics, 2005, 44, 1278-1281.	1.5	7
70	Switchable dual wavelength erbium-doped fiber laser at room temperature. Microwave and Optical Technology Letters, 2007, 49, 1433-1435.	1.4	7
71	Development of a small-size embedded optical microfiber coil resonator with high Q. Journal of the Korean Physical Society, 2012, 61, 1381-1385.	0.7	7
72	Dependence of the Refractive Index of a Coating on a Long-Period Fiber Grating on the Initial Coupling Strength. Journal of the Korean Physical Society, 2009, 55, 2621-2624.	0.7	7

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73	Voltage-tuned multiwavelength Raman ring laser with high tunability based on a single fiber Bragg grating. Applied Optics, 2008, 47, 6099.	2.1	6
74	Fast-interleaving of dual-wavelength fiber ring laser using switchable fiber Bragg gratings. Optics Express, 2008, 16, 2791.	3.4	6
75	Noise Reduction in Multiwavelength SOA-Based Ring Laser by Coupled Dual Cavities for WDM Applications. Journal of Lightwave Technology, 2010, 28, 739-745.	4.6	6
76	Development of Photonic-crystal-fiber-based Optical Coupler with a Broad Operating Wavelength Range of 800 nm. Journal of the Korean Physical Society, 2010, 57, 1747-1750.	0.7	6
77	Voltage-controllable wavelength-selective optical switching based on multiply cascaded long-period fiber gratings. Optics Letters, 2003, 28, 2034.	3.3	5
78	Spectroscopic Analysis of Gain Bandwidth in Raman Amplifier with Multiwavelength Pumping Scheme Using Actual Band Model. Journal of the Optical Society of Korea, 2004, 8, 156-162.	0.6	5
79	A Long-Distance Remote Sensing Technique Using a Multiwavelength Raman Fiber Laser Based on Fiber Bragg Gratings Embedded in a Quartz Tube. IEEE Sensors Journal, 2011, 11, 1152-1156.	4.7	5
80	Investigation of Temperature Sensitivity of a Polymer-Overlaid Microfiber Mach-Zehnder Interferometer. Sensors, 2017, 17, 2403.	3.8	5
81	Influence of Diverse Atmospheric Conditions on Optical Properties of a Pulse Laser in a Time-of-Flight Laser Range Finder. Journal of the Optical Society of Korea, 2015, 19, 1-6.	0.6	5
82	Effect of an Ambient Index Change on theTransmission Characteristics of Versatile D-Shaped Fibers. Journal of the Korean Physical Society, 2009, 55, 1286-1289.	0.7	5
83	Effect of Surface Roughness Variation on the Transmission Characteristics of D-shaped Fibers with Ambient Index Change. Journal of the Korean Physical Society, 2010, 56, 1355-1358.	0.7	5
84	Experimental study on the effect of codirectional Raman gain on system's performance. Optics Express, 2007, 15, 6146.	3.4	4
85	Flexible Curled Optical Cord for Bending-Insensitive Optical Imaging Delivery. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 1031-1038.	2.9	4
86	Relative humidity sensor based on a few-mode microfiber knot resonator by mitigating group index difference. , 2017, , .		4
87	Influence of the Thickness and Doping Concentration in p- and n-Type Poly-Si Layers on the Efficiency of a Solar Cell Based on a Carbon Fiber. Journal of the Optical Society of Korea, 2015, 19, 199-205.	0.6	4
88	Transmission characteristics of versatile D-shaped fibers with temperature and ambient index change depending on input polarization states. Journal of the Korean Physical Society, 2010, 56, 1274-1277.	0.7	4
89	Novel Raman Fiber Laser and Fiber-Optic Sensors Using Multi-Channel Fiber Gratings. Journal of the Optical Society of Korea, 2003, 7, 97-101.	0.6	3
90	Novel Dispersion Properties of Photonic Crystal Fiber. Japanese Journal of Applied Physics, 2007, 46, 5408.	1.5	3

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91	Multiple-element photonic microwave true-time-delay beamforming incorporating a tunable chirped fiber Bragg grating with symmetrical bending technique. Optics Letters, 2007, 32, 1704.	3.3	3
92	Imprinted bidirectional waveguide platform for large-core optical transceiver. Optics Letters, 2011, 36, 2324.	3.3	3
93	Multiwavelength erbium-doped fiber laser based on a nonlinear amplified loop mirror with a highly-nonlinear photonic crystal fiber. Journal of the Korean Physical Society, 2013, 63, 189-192.	0.7	3
94	Investigation on Periodically Surface-Corrugated Long-Period Gratings Inscribed on Photonic Crystal Fibers. Nanoscale Research Letters, 2017, 12, 245.	5.7	3
95	Sensitivity Improvement in Fiber Bragg Grating Sensors Using All-Fiber Weak Value Amplification Based on Optical Attenuation. Journal of Lightwave Technology, 2018, 36, 968-973.	4.6	3
96	Wavelength-switchable Multiwavelength Erbium-doped Fiber Laser Based on a D-shaped Fiber with a Photoresist Thin-film Overlay. Journal of the Korean Physical Society, 2011, 58, 890-893.	0.7	3
97	Fabrication of low OH loss holey fibers with varying air hole sizes and their optical properties. Optics Communications, 2009, 282, 1780-1784.	2.1	2
98	Optical characteristics of a hybrid fiber grating based on a surface long-period grating incorporating a fiber Bragg grating. Journal of the Korean Physical Society, 2012, 61, 1353-1357.	0.7	2
99	Threeâ€dimensional visualization system for ophthalmic microscopes using visible light and nearâ€infrared illumination. Journal of Biophotonics, 2018, 11, e201600268.	2.3	2
100	Fiber-bundle illumination: realizing high-degree time-multiplexed multifocal multiphoton microscopy with simplicity. Scientific Reports, 2018, 8, 14863.	3.3	2
101	Tunable Multiwavelength Erbium-doped Fiber Laser Based on an In-line Mach Zehnder Interferometer. Journal of the Korean Physical Society, 2010, 57, 1743-1746.	0.7	2
102	Temperature-insensitive Multiwavelength Raman Fiber Ring Laser withHigh Tunability Based on a Polarization-maintaining Photonic-crystalFiber. Journal of the Korean Physical Society, 2009, 55, 1205-1209.	0.7	2
103	Thermally Tunable Multiwavelength Raman Fiber Laser Based on a Novel In-line Interferometer. Journal of the Korean Physical Society, 2011, 58, 986-989.	0.7	2
104	A novel fabrication technique of corrugated long-period fiber gratings for mass production and its transmission characteristic as applied mechanical force. , 2010, , .		1
105	Discrimination of bending and temperature by using a multiwavelength raman fiber laser incorporating a sampled fiber Bragg grating. Journal of the Korean Physical Society, 2012, 61, 1349-1352.	0.7	1
106	All-fiber spectral-domain optical coherence tomography with high resolution by using a PCF-based broadband coupler and a k-domain linearization method. Journal of the Korean Physical Society, 2012, 61, 1485-1489.	0.7	1
107	Sagnac interferometer based on an etched photonic crystal fiber. Journal of the Korean Physical Society, 2012, 60, 1229-1232.	0.7	1
108	Suppression of speckle patterns based on temporal angular decorrelation induced by multiple beamlets with diverse optical paths. Journal of the Korean Physical Society, 2014, 64, 527-531	0.7	1

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109	Magnetic field sensor based on a two-mode microfiber knot resonator with polymeric dispersant EMG nano-particles. , 2018, , .		1
110	320-Gbit/s (32 Chs ? 10 Gbit/s) WDM Transmission Over 1.7 km of a Bending-Insensitive Holey Fiber with a Small Bending Diameter. Journal of the Korean Physical Society, 2008, 53, 1319-1322.	0.7	1
111	All-FBG-Based Switchable Dual Wavelength Erbium-Doped Fiber Laser with High Wavelength Tunability. Journal of the Korean Physical Society, 2008, 53, 2253-2256.	0.7	1
112	Simulation of Luminance and Uniformity of LGP According to the Laser Scattering Pattern. Korean Journal of Optics and Photonics, 2010, 21, 254-258.	0.1	1
113	Transmission Characteristics of Multiply-cascaded Phase-shifted Long-period Fiber Gratings. Journal of the Korean Physical Society, 2010, 57, 1751-1754.	0.7	1
114	Feasible fiber grating technologies in optical communication systems. , 2007, , .		0
115	Adjacent crosstalk suppression in a colorless WDM passive optical network. Optics Express, 2007, 15, 14306.	3.4	0
116	Cladding mode coupling suppression in hole-assisted fiber BRAGG gratings. Microwave and Optical Technology Letters, 2007, 49, 74-76.	1.4	0
117	Continuouly spacing-tunable multiwavelength erbium-doped fiber laser. , 2008, , .		0
118	All-FBG-based switchable dual wavelength EDF laser with high tunability of lasing wavelength. , 2008, , .		0
119	Multiwavelength Raman fiber ring lasers with continuous wavelength spacing tunability. , 2008, , .		0
120	Switchable multiwavelength EDF laser with a nonlinear optical loop mirror and fiber Bragg gratings. , 2008, , .		0
121	Direction-sensitive fiber-optic bending sensor using a sampled chirped fiber Bragg grating. , 2009, , .		0
122	Birefringent interferometer-based strain sensor with temperature insensitivity. , 2009, , .		0
123	Fabrication of a surface long-period fiber grating based on a D-shaped photonic crystal fiber. , 2009, , .		0
124	The transmission characteristic of Sangac loop interferometer based on single polarization fiber. , 2010, , .		0
125	Tunable multiwavelength Raman fiber ring laser based on a voltage controllable coil heater. , 2010, , .		0
126	Substrate Geometry-Dependent Nonlinear Absorption of Carbon Nanotubes Deposited onto D-Shaped Optical Fibers. Journal of Nanoscience and Nanotechnology, 2011, 11, 499-502.	0.9	0

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127	Switchable multiwavelength filter based on a hybrid sagnac interferometer. Journal of the Korean Physical Society, 2012, 60, 1207-1210.	0.7	0
128	Detection of relative humidity variation based on periodically micro-tapered long-period gratings. , 2016, , .		0
129	Development of a Ultra Broadband Optical Coupler Based on a Photonic Crsytal Fiber. Korean Journal of Optics and Photonics, 2010, 21, 195-199.	0.1	0
130	Simultaneous Measurement of External Refractive Index and Temperature by Using a Side-polished Fiber Bragg Grating with a Polymer Overlay. Korean Journal of Optics and Photonics, 2010, 21, 190-194.	0.1	0
131	Single-frequency Wavelength Tunable Erbium-doped Fiber Ring Laser. Korean Journal of Optics and Photonics, 2010, 21, 185-189.	0.1	0
132	Dual Wavelength Erbium-doped Fiber Laser with Lasing Wavelength Switchability and Tunability. Korean Journal of Optics and Photonics, 2010, 21, 181-184.	0.1	0
133	Long-Period Fiber Gratings Based on Periodically Surface-Etched Structure Imprinted by Using a Photoresist Polymer. Korean Journal of Optics and Photonics, 2011, 22, 1-4.	0.1	0
134	Transmission Characteristics of Long-Period Fiber Gratings Using Periodically Corroded Single-Mode Fibers. Journal of the Optical Society of Korea, 2015, 19, 376-381.	0.6	0