

# Byoung Yoon Kim

## List of Publications by Year in descending order

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27  
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206112

48  
g-index

127  
all docs

127  
docs citations

127  
times ranked

1494  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mode Division Multiplexed 850-nm Single-Mode VCSEL Transmission Using Standard Single-Mode Fiber. IEEE Photonics Technology Letters, 2021, , 1-1.	2.5	3
2	25Gb/s Mode Division Multiplexing VCSEL Transmission over Two Modes Using Standard Single-Mode Fiber at 850 nm. , 2021, , .		0
3	Measurement of Intrinsic Birefringence in Hollow Core Photonic Crystal Fiber. , 2019, , .		0
4	All-fiber-based selective mode multiplexer and demultiplexer for weakly-coupled mode-division multiplexed systems. Optics Communications, 2018, 408, 58-62.	2.1	18
5	Acousto-optic generation of orbital angular momentum states of light in a tapered optical fiber. Current Applied Physics, 2018, 18, 1441-1446.	2.4	2
6	Wavelength-stepped, actively mode-locked fiber laser based on wavelength-division-multiplexed optical delay lines. Optics Communications, 2017, 405, 185-191.	2.1	2
7	Multi-parameter sensing using few-mode fibers. , 2017, , .		0
8	Broadband mode division multiplexer using all-fiber mode selective couplers. Optics Express, 2016, 24, 3543.	3.4	99
9	All-fiber-based Selective Mode Multiplexer and Demultiplexer for Six-mode Multiplexed Signals. , 2016, , .		5
10	All-fiber variable polarization rotator based on geometric effects. , 2015, , .		0
11	Passive Q-Switching of an All-Fiber Laser Using WS <sub>2</sub> -Deposited Optical Fiber Taper. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	12
12	Ultrafast Pulsed All-Fiber Laser Based on Tapered Fiber Enclosed by Few-Layer WS <sub>2</sub> /Nanosheets. IEEE Photonics Technology Letters, 2015, 27, 1581-1584.	2.5	91
13	Few-mode fiber multi-parameter sensor with distributed temperature and strain discrimination. Optics Letters, 2015, 40, 1488.	3.3	88
14	Mode- and wavelength-division multiplexed transmission using all-fiber mode multiplexer based on mode selective couplers. Optics Express, 2015, 23, 7164.	3.4	39
15	All-Fiber Mode Division Multiplexer optimized for C-band. , 2014, , .		13
16	Characterization of distributed modal birefringence in a few-mode fiber based on Brillouin dynamic grating. Optics Letters, 2014, 39, 3153.	3.3	14
17	Spectral shaping of an all-fiber torsional acousto-optic tunable filter. Applied Optics, 2014, 53, 8499.	2.1	5
18	Band-rejection filtering based on lossy torsional acousto-optic coupling in a single polarization fiber. Optics Express, 2014, 22, 24034.	3.4	4

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19	Effect of metal coating in all-fiber acousto-optic tunable filter using torsional wave. Optics Express, 2014, 22, 30873.	3.4	6
20	Mode division multiplexed optical transmission enabled by all-fiber mode multiplexer. Optics Express, 2014, 22, 14229.	3.4	58
21	Acoustooptic Generation and Characterization of the Higher Order Modes in a Four-Mode Fiber for Mode-Division Multiplexed Transmission. Journal of Lightwave Technology, 2014, 32, 4534-4538.	4.6	9
22	Intermodal stimulated Brillouin scattering in two-mode fibers. Optics Letters, 2013, 38, 1805.	3.3	48
23	Intermodal stimulated Brillouin scattering in two-mode fibers. , 2013, , .		0
24	Toward higher-order passive harmonic mode-locking of a soliton fiber laser. Optics Letters, 2012, 37, 1862.	3.3	78
25	4 GHz passive harmonic mode-locking in a single-clad soliton fiber laser incorporating carbon nano-tube saturable absorbers. , 2012, , .		0
26	Measurement of the Entanglement between Photonic Spatial Modes in Optical Fibers. Physical Review Letters, 2012, 109, 020502.	7.8	28
27	Influence of cavity dispersion on repetition rate of passive harmonic mode-locking soliton fiber laser. , 2012, , .		0
28	All-Fiber Acousto-Optic Filters and Modulators. , 2012, , .		0
29	Passive harmonic mode-locking of fiber laser based on evanescent field interaction with carbon nanotube saturable absorber. , 2011, , .		0
30	Design of waveguide grating with ultrafast tunable index contrast. Optics Express, 2011, 19, 13047.	3.4	0
31	Low noise GHz passive harmonic mode-locking of soliton fiber laser using evanescent wave interaction with carbon nanotubes. Optics Express, 2011, 19, 19775.	3.4	58
32	Ultrawidely tunable single-mode fiber acousto-optic filter. Optics Letters, 2011, 36, 1101.	3.3	10
33	Ultrawidely tunable single-mode fiber acousto-optic filter. , 2011, , .		0
34	Characterization of structural irregularities in highly birefringent photonic crystal fiber using torsional acoustic polarization coupling. Optics Communications, 2010, 283, 4094-4098.	2.1	2
35	Polarization-Independent All-Fiber Acousto-Optic Tunable Filter Using Torsional Acoustic Wave. IEEE Photonics Technology Letters, 2010, 22, 523-525.	2.5	9
36	High-accuracy measurement of cladding noncircularity based on phase velocity difference between acoustic polarization modes. Optics Express, 2010, 18, 3574.	3.4	2

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37	Analyses of unintentional intensity modulation in all-fiber acousto-optic tunable filters. Optics Express, 2010, 18, 3985.	3.4	7
38	Sidelobe suppression in all-fiber acousto-optic tunable filter using torsional acoustic wave. Optics Express, 2010, 18, 12059.	3.4	9
39	Experimental excitation and characterization of cladding modes in photonic crystal fiber. Optics Express, 2010, 18, 1833.	3.4	6
40	Characterization of structural irregularities in highly birefringent photonic crystal fiber based on polarization coupling by torsional acoustic wave. , 2010, , .		0
41	Ultrashort laser pulse induced core-mode blocker and its application to fabrication of all-fiber bandpass filter. , 2009, , .		0
42	Axial strain dependence of all-fiber acousto-optic tunable filters. Optics Express, 2009, 17, 2348.	3.4	14
43	Polarization-coupling all-fiber acousto-optic tunable filter insensitive to fiber bend and physical contact. Optics Express, 2009, 17, 6096.	3.4	11
44	Tunable gratings in a hollow-core photonic bandgap fiber based on acousto-optic interaction. Optics Express, 2009, 17, 9933.	3.4	17
45	Fabrication of a highly efficient core-mode blocker using a femtosecond laser ablation technique. Optics Express, 2009, 17, 18449.	3.4	7
46	All-fiber acousto-optic modulators for sensors and communications. , 2009, , .		0
47	Polarization coupling in a highly birefringent photonic crystal fiber by torsional acoustic wave. Optics Express, 2008, 16, 4631.	3.4	23
48	Combined effects of optical and acoustic birefringence on acousto-optic mode coupling in photonic crystal fiber. Optics Express, 2008, 16, 6125.	3.4	29
49	Twist effect on spectral properties of two-mode fiber acousto-optic filters. Optics Express, 2008, 16, 13042.	3.4	8
50	Spectral properties of twisted elliptical-core two-mode fiber acousto-optic filters. , 2008, , .		0
51	Acousto-optic mode coupling in photonic crystal fiber with structural imperfections. , 2008, , .		0
52	Narrowband, polarization insensitive all-fiber acousto-optic tunable bandpass filter. Optics Express, 2007, 15, 2987.	3.4	44
53	Tunable acoustic gratings in solid-core photonic bandgap fiber. Optics Express, 2007, 15, 3513.	3.4	40
54	Highly efficient all-fiber tunable polarization filter using torsional acoustic wave. Optics Express, 2007, 15, 12362.	3.4	38

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55	Analyses of cladding modes in photonic crystal fiber. Optics Express, 2007, 15, 15154.	3.4	20
56	Tunable long-period grating in solid-core bandgap fiber using acoustic waves. , 2007, , .		0
57	Two-mode fiber acoustooptic tunable bandpass filter with zero frequency-shift. IEEE Photonics Technology Letters, 2006, 18, 1645-1647.	2.5	7
58	Characterization of wavelength-tunable single-frequency fiber laser employing acoustooptic tunable filter. Journal of Lightwave Technology, 2006, 24, 1812-1823.	4.6	26
59	Suppression of the polarization dependence of fiber Bragg grating interrogation based on a wavelength-swept fiber laser. Smart Materials and Structures, 2006, 15, 435-440.	3.5	6
60	Highly efficient fused-type core-cladding mode coupler. , 2005, , .		0
61	Apodization of an elliptic-core two-mode fiber acousto-optic tunable filter. , 2005, , .		0
62	Narrow-bandwidth acousto-optic tunable filter with low polarization dependence. , 2005, , .		2
63	Apodization of elliptical-core two-mode fiber acousto-optic filter based on acoustic polarization control. Optics Letters, 2005, 30, 3126.	3.3	11
64	Narrow-bandwidth all-fiber acoustooptic tunable filter with low polarization-sensitivity. IEEE Photonics Technology Letters, 2005, 17, 2646-2648.	2.5	15
65	Fused bitapered single-mode fiber directional coupler for core and cladding mode coupling. IEEE Photonics Technology Letters, 2005, 17, 2631-2633.	2.5	6
66	Tunable Narrow-Bandwidth Optical Filter Based on Acoustically Modulated Fiber Bragg Grating. IEEE Photonics Technology Letters, 2004, 16, 1313-1315.	2.5	20
67	Tunable Polarization-Dependent Loss Element Based on Acoustooptic Mode Coupling in a Polarization-Maintaining Fiber. IEEE Photonics Technology Letters, 2004, 16, 1510-1512.	2.5	12
68	Optical frequency-domain reflectometry based on wavelength-swept mode-locked fiber laser. IEEE Photonics Technology Letters, 2003, 15, 266-268.	2.5	12
69	Broad-band LP02 mode excitation using a fused-type mode-selective coupler. IEEE Photonics Technology Letters, 2003, 15, 1734-1736.	2.5	19
70	Brillouin fiber laser pumped by a DFB laser diode. Journal of Lightwave Technology, 2003, 21, 546-554.	4.6	62
71	Loss modulation effect on the second-harmonically mode-locked erbium-doped fiber laser based on sagnac loop reflector with y-branch LiNbO <sub>3</sub> / phase modulator. IEEE Journal of Quantum Electronics, 2003, 39, 766-772.	1.9	1
72	All-fiber wavelength-tunable acoustooptic switches based on intermodal coupling in fibers. Journal of Lightwave Technology, 2002, 20, 1864-1868.	4.6	42

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73	High performance fused-type mode-selective coupler using elliptical core two-mode fiber at 1550 nm. IEEE Photonics Technology Letters, 2002, 14, 501-503.	2.5	87
74	Comparative Study of Null Lens for Hyperbolic Surface Test. Optical Review, 2002, 9, 122-125.	2.0	0
75	Fiber-optic sensor array based on Sagnac interferometer with stable phase bias. IEEE Photonics Technology Letters, 2001, 13, 148-150.	2.5	11
76	Widely tunable single-frequency Er-doped fiber laser with long linear cavity. IEEE Photonics Technology Letters, 2001, 13, 287-289.	2.5	37
77	All-fiber add-drop wavelength-division multiplexer based on intermodal coupling. IEEE Photonics Technology Letters, 2001, 13, 460-462.	2.5	21
78	Bidirectional wavelength-selective optical isolator. Electronics Letters, 2001, 37, 910.	1.0	7
79	All-fiber wavelength-tunable acousto-optic switch. , 2001, , .		2
80	Multiple-reflection interferometer for high accuracy measurement of small vibration displacement. Review of Scientific Instruments, 2000, 71, 1981-1986.	1.3	9
81	Self-switching with a nonlinear birefringent loop mirror. IEEE Journal of Quantum Electronics, 2000, 36, 89-93.	1.9	4
82	Acousto-optic components for WDM application. , 1999, , .		0
83	Optical Kerr effect in a direction-switched fiber laser gyroscope. IEEE Journal of Quantum Electronics, 1999, 35, 1424-1429.	1.9	8
84	Gain-clamped fibre amplifier/source for gyroscope. Electronics Letters, 1999, 35, 167.	1.0	3
85	Dual heterodyne polarization diversity demodulation for fiber-optic interferometers. IEEE Photonics Technology Letters, 1999, 11, 1156-1158.	2.5	8
86	Phase sensitive detection for mode-locked fiber laser gyroscope. IEEE Photonics Technology Letters, 1999, 11, 1030-1032.	2.5	8
87	Dynamic erbium-doped fiber amplifier based on active gain flattening with fiber acoustooptic tunable filters. IEEE Photonics Technology Letters, 1999, 11, 1229-1231.	2.5	67
88	Frequency-division-multiplexed polarimetric fiber laser current-sensor array. Optics Letters, 1999, 24, 1097.	3.3	12
89	Long-period fiber gratings based on periodic microbends. Optics Letters, 1999, 24, 1263.	3.3	161
90	Stabilisation of fibre-amplifier/source gyroscope by optimum modulation amplitude tracking. Electronics Letters, 1999, 35, 1100.	1.0	2

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91	Actively gain-flattened erbium-doped fiber amplifier over 35 nm by using all-fiber acoustooptic tunable filters. IEEE Photonics Technology Letters, 1998, 10, 790-792.	2.5	115
92	Optical switching with nonlinear optical loop mirror using vector soliton states in a nearly isotropic fiber. Optics Communications, 1998, 147, 47-50.	2.1	8
93	Harmonically mode-locked fiber laser with an acousto-optic modulator in a Sagnac loop and Faraday rotating mirror cavity. Optics Communications, 1998, 149, 312-316.	2.1	36
94	A polarimetric current sensor using an orthogonally polarized dual-frequency fibre laser. Measurement Science and Technology, 1998, 9, 952-959.	2.6	26
95	Interrogation of fiber grating sensor arrays with a wavelength-swept fiber laser. Optics Letters, 1998, 23, 843.	3.3	204
96	An Er-doped bidirectional ring fiber laser with 90/spl deg/ Faraday rotator as phase nonreciprocal element. IEEE Photonics Technology Letters, 1998, 10, 340-342.	2.5	9
97	All-fiber tunable comb filter with nonreciprocal transmission. IEEE Photonics Technology Letters, 1998, 10, 1437-1439.	2.5	14
98	Feedback effects in erbium-doped fiber amplifier/source for open-loop fiber-optic gyroscope. Journal of Lightwave Technology, 1997, 15, 1587-1593.	4.6	14
99	High-sensitivity mode-locked fiber laser gyroscope. Optics Letters, 1997, 22, 129.	3.3	15
100	All-fiber-optic nonreciprocal modulator. Optics Letters, 1997, 22, 507.	3.3	32
101	All-fiber acousto-optic tunable notch filter with electronically controllable spectral profile. Optics Letters, 1997, 22, 1476.	3.3	210
102	An electronically wavelength-tunable mode-locked fiber laser using an all-fiber acoustooptic tunable filter. IEEE Photonics Technology Letters, 1996, 8, 1618-1620.	2.5	18
103	Bidirectional single-mode Er-doped fiber-ring laser. IEEE Photonics Technology Letters, 1996, 8, 1624-1626.	2.5	18
104	Few-mode erbium-doped fiber laser using saturable absorber. , 1996, , .		0
105	Analysis of polarization properties of a mode-locked fiber laser gyroscope. Applied Optics, 1996, 35, 2206.	2.1	6
106	All-fiber tunable filter and laser based on two-mode fiber. Optics Letters, 1996, 21, 27.	3.3	84
107	Mode-locked fiber laser gyroscope based on a distributed-feedback semiconductor laser amplifier. Optics Letters, 1996, 21, 92.	3.3	3
108	Suppression of polarization dependence in a two-mode-fiber acousto-optic device. Optics Letters, 1996, 21, 908.	3.3	16

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109	Polarization- and frequency-stable fiber laser for magnetic-field sensing. Optics Letters, 1996, 21, 1029.	3.3	14
110	Longitudinal mode control in few-mode erbium-doped fiber lasers. Optics Letters, 1996, 21, 1144.	3.3	33
111	Response of fiber lasers to an axial magnetic field. Optics Letters, 1995, 20, 1713.	3.3	15
112	Analysis and measurement of birefringence in single-mode fibers using the backscattering method. Optics Letters, 1981, 6, 578.	3.3	24
113	Backscattering measurement of bending-induced birefringence in single mode fibres. Electronics Letters, 1981, 17, 193.	1.0	28
114	Novel all-fiber-optic nonreciprocal modulator. , 0, , .		0
115	Harmonically mode-locked fiber laser using an all-fiber acousto-optic tunable filter. , 0, , .		0
116	Dynamic gain equalization of erbium-doped fiber amplifier with all-fiber acousto-optic tunable filters. , 0, , .		9
117	Optical switching with nonlinear optical loop mirror using nonlinear birefringence effect. , 0, , .		0
118	All-fiber nonreciprocal comb filter with wavelength tunability. , 0, , .		0
119	Fiber based acousto-optic filters. , 0, , .		0
120	Profile-controlled long-period fiber gratings based on periodic microbends. , 0, , .		0
121	All-fiber add-drop multiplexer using a tilted fiber Bragg grating and mode-selective couplers. , 0, , .		2
122	Dynamic erbium-doped fiber amplifier with automatic gain flattening. , 0, , .		8
123	Noiselike pulse generation in a fiber laser by use of nonlinear differential filtering with a nonlinear birefringent loop mirror. , 0, , .		1
124	High performance fused-type mode selective coupler for two-mode fiber devices. , 0, , .		4
125	All-fiber wavelength-tunable acousto-optic switch. , 0, , .		6
126	Tunable single-frequency Er/sup 3+/-doped fiber laser using all-fiber acousto-optic bandpass filter. , 0, , .		1



#	ARTICLE	IF	CITATIONS
127	Narrow-Bandwidth Acousto-Optic Tunable Bandpass Filter using Dispersion Compensating Fiber. , 0, , .		0