

Byoung Yoon Kim

List of Publications by Year in descending order

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201674

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127
all docs

127
docs citations

127
times ranked

1494
citing authors

#	ARTICLE	IF	CITATIONS
1	All-fiber acousto-optic tunable notch filter with electronically controllable spectral profile. Optics Letters, 1997, 22, 1476.	3.3	210
2	Interrogation of fiber grating sensor arrays with a wavelength-swept fiber laser. Optics Letters, 1998, 23, 843.	3.3	204
3	Long-period fiber gratings based on periodic microbends. Optics Letters, 1999, 24, 1263.	3.3	161
4	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
5	Broadband mode division multiplexer using all-fiber mode selective couplers. Optics Express, 2016, 24, 3543.	3.4	99
6	Ultrafast Pulsed All-Fiber Laser Based on Tapered Fiber Enclosed by Few-Layer WS ₂ Nanosheets. IEEE Photonics Technology Letters, 2015, 27, 1581-1584.	2.5	91
7	Few-mode fiber multi-parameter sensor with distributed temperature and strain discrimination. Optics Letters, 2015, 40, 1488.	3.3	88
8	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
9	All-fiber tunable filter and laser based on two-mode fiber. Optics Letters, 1996, 21, 27.	3.3	84
10	Toward higher-order passive harmonic mode-locking of a soliton fiber laser. Optics Letters, 2012, 37, 1862.	3.3	78
11	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
12	Brillouin fiber laser pumped by a DFB laser diode. Journal of Lightwave Technology, 2003, 21, 546-554.	4.6	62
13	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
14	Mode division multiplexed optical transmission enabled by all-fiber mode multiplexer. Optics Express, 2014, 22, 14229.	3.4	58
15	Intermodal stimulated Brillouin scattering in two-mode fibers. Optics Letters, 2013, 38, 1805.	3.3	48
16	Narrowband, polarization insensitive all-fiber acousto-optic tunable bandpass filter. Optics Express, 2007, 15, 2987.	3.4	44
17	All-fiber wavelength-tunable acoustooptic switches based on intermodal coupling in fibers. Journal of Lightwave Technology, 2002, 20, 1864-1868.	4.6	42
18	Tunable acoustic gratings in solid-core photonic bandgap fiber. Optics Express, 2007, 15, 3513.	3.4	40

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19	Mode- and wavelength-division multiplexed transmission using all-fiber mode multiplexer based on mode selective couplers. Optics Express, 2015, 23, 7164.	3.4	39
20	Highly efficient all-fiber tunable polarization filter using torsional acoustic wave. Optics Express, 2007, 15, 12362.	3.4	38
21	Widely tunable single-frequency Er-doped fiber laser with long linear cavity. IEEE Photonics Technology Letters, 2001, 13, 287-289.	2.5	37
22	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
23	Longitudinal mode control in few-mode erbium-doped fiber lasers. Optics Letters, 1996, 21, 1144.	3.3	33
24	All-fiber-optic nonreciprocal modulator. Optics Letters, 1997, 22, 507.	3.3	32
25	Combined effects of optical and acoustic birefringence on acousto-optic mode coupling in photonic crystal fiber. Optics Express, 2008, 16, 6125.	3.4	29
26	Backscattering measurement of bending-induced birefringence in single mode fibres. Electronics Letters, 1981, 17, 193.	1.0	28
27	Measurement of the Entanglement between Photonic Spatial Modes in Optical Fibers. Physical Review Letters, 2012, 109, 020502.	7.8	28
28	A polarimetric current sensor using an orthogonally polarized dual-frequency fibre laser. Measurement Science and Technology, 1998, 9, 952-959.	2.6	26
29	Characterization of wavelength-tunable single-frequency fiber laser employing acoustooptic tunable filter. Journal of Lightwave Technology, 2006, 24, 1812-1823.	4.6	26
30	Analysis and measurement of birefringence in single-mode fibers using the backscattering method. Optics Letters, 1981, 6, 578.	3.3	24
31	Polarization coupling in a highly birefringent photonic crystal fiber by torsional acoustic wave. Optics Express, 2008, 16, 4631.	3.4	23
32	All-fiber add-drop wavelength-division multiplexer based on intermodal coupling. IEEE Photonics Technology Letters, 2001, 13, 460-462.	2.5	21
33	Tunable Narrow-Bandwidth Optical Filter Based on Acoustically Modulated Fiber Bragg Grating. IEEE Photonics Technology Letters, 2004, 16, 1313-1315.	2.5	20
34	Analyses of cladding modes in photonic crystal fiber. Optics Express, 2007, 15, 15154.	3.4	20
35	Broad-band LP02 mode excitation using a fused-type mode-selective coupler. IEEE Photonics Technology Letters, 2003, 15, 1734-1736.	2.5	19
36	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

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37	Bidirectional single-mode Er-doped fiber-ring laser. IEEE Photonics Technology Letters, 1996, 8, 1624-1626.	2.5	18
38	All-fiber-based selective mode multiplexer and demultiplexer for weakly-coupled mode-division multiplexed systems. Optics Communications, 2018, 408, 58-62.	2.1	18
39	Tunable gratings in a hollow-core photonic bandgap fiber based on acousto-optic interaction. Optics Express, 2009, 17, 9933.	3.4	17
40	Suppression of polarization dependence in a two-mode-fiber acousto-optic device. Optics Letters, 1996, 21, 908.	3.3	16
41	Response of fiber lasers to an axial magnetic field. Optics Letters, 1995, 20, 1713.	3.3	15
42	High-sensitivity mode-locked fiber laser gyroscope. Optics Letters, 1997, 22, 129.	3.3	15
43	Narrow-bandwidth all-fiber acoustooptic tunable filter with low polarization-sensitivity. IEEE Photonics Technology Letters, 2005, 17, 2646-2648.	2.5	15
44	Polarization- and frequency-stable fiber laser for magnetic-field sensing. Optics Letters, 1996, 21, 1029.	3.3	14
45	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
46	All-fiber tunable comb filter with nonreciprocal transmission. IEEE Photonics Technology Letters, 1998, 10, 1437-1439.	2.5	14
47	Axial strain dependence of all-fiber acousto-optic tunable filters. Optics Express, 2009, 17, 2348.	3.4	14
48	Characterization of distributed modal birefringence in a few-mode fiber based on Brillouin dynamic grating. Optics Letters, 2014, 39, 3153.	3.3	14
49	All-Fiber Mode Division Multiplexer optimized for C-band. , 2014, , .		13
50	Frequency-division-multiplexed polarimetric fiber laser current-sensor array. Optics Letters, 1999, 24, 1097.	3.3	12
51	Optical frequency-domain reflectometry based on wavelength-swept mode-locked fiber laser. IEEE Photonics Technology Letters, 2003, 15, 266-268.	2.5	12
52	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
53	Passive Q-Switching of an All-Fiber Laser Using WS ₂ -Deposited Optical Fiber Taper. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	12
54	Fiber-optic sensor array based on Sagnac interferometer with stable phase bias. IEEE Photonics Technology Letters, 2001, 13, 148-150.	2.5	11

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55	Apodization of elliptical-core two-mode fiber acousto-optic filter based on acoustic polarization control. Optics Letters, 2005, 30, 3126.	3.3	11
56	Polarization-coupling all-fiber acousto-optic tunable filter insensitive to fiber bend and physical contact. Optics Express, 2009, 17, 6096.	3.4	11
57	Ultrawidely tunable single-mode fiber acousto-optic filter. Optics Letters, 2011, 36, 1101.	3.3	10
58	Dynamic gain equalization of erbium-doped fiber amplifier with all-fiber acousto-optic tunable filters. , 0, , .		9
59	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
60	Multiple-reflection interferometer for high accuracy measurement of small vibration displacement. Review of Scientific Instruments, 2000, 71, 1981-1986.	1.3	9
61	Polarization-Independent All-Fiber Acousto-Optic Tunable Filter Using Torsional Acoustic Wave. IEEE Photonics Technology Letters, 2010, 22, 523-525.	2.5	9
62	Sidelobe suppression in all-fiber acousto-optic tunable filter using torsional acoustic wave. Optics Express, 2010, 18, 12059.	3.4	9
63	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
64	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
65	Dynamic erbium-doped fiber amplifier with automatic gain flattening. , 0, , .		8
66	Optical Kerr effect in a direction-switched fiber laser gyroscope. IEEE Journal of Quantum Electronics, 1999, 35, 1424-1429.	1.9	8
67	Dual heterodyne polarization diversity demodulation for fiber-optic interferometers. IEEE Photonics Technology Letters, 1999, 11, 1156-1158.	2.5	8
68	Phase sensitive detection for mode-locked fiber laser gyroscope. IEEE Photonics Technology Letters, 1999, 11, 1030-1032.	2.5	8
69	Twist effect on spectral properties of two-mode fiber acousto-optic filters. Optics Express, 2008, 16, 13042.	3.4	8
70	Bidirectional wavelength-selective optical isolator. Electronics Letters, 2001, 37, 910.	1.0	7
71	Two-mode fiber acoustooptic tunable bandpass filter with zero frequency-shift. IEEE Photonics Technology Letters, 2006, 18, 1645-1647.	2.5	7
72	Fabrication of a highly efficient core-mode blocker using a femtosecond laser ablation technique. Optics Express, 2009, 17, 18449.	3.4	7

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73	Analyses of unintentional intensity modulation in all-fiber acousto-optic tunable filters. Optics Express, 2010, 18, 3985.	3.4	7
74	Analysis of polarization properties of a mode-locked fiber laser gyroscope. Applied Optics, 1996, 35, 2206.	2.1	6
75	All-fiber wavelength-tunable acousto-optic switch. , 0, , .		6
76	Fused bitapered single-mode fiber directional coupler for core and cladding mode coupling. IEEE Photonics Technology Letters, 2005, 17, 2631-2633.	2.5	6
77	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
78	Experimental excitation and characterization of cladding modes in photonic crystal fiber. Optics Express, 2010, 18, 1833.	3.4	6
79	Effect of metal coating in all-fiber acousto-optic tunable filter using torsional wave. Optics Express, 2014, 22, 30873.	3.4	6
80	Spectral shaping of an all-fiber torsional acousto-optic tunable filter. Applied Optics, 2014, 53, 8499.	2.1	5
81	All-fiber-based Selective Mode Multiplexer and Demultiplexer for Six-mode Multiplexed Signals. , 2016, , .		5
82	High performance fused-type mode selective coupler for two-mode fiber devices. , 0, , .		4
83	Self-switching with a nonlinear birefringent loop mirror. IEEE Journal of Quantum Electronics, 2000, 36, 89-93.	1.9	4
84	Band-rejection filtering based on lossy torsional acousto-optic coupling in a single polarization fiber. Optics Express, 2014, 22, 24034.	3.4	4
85	Mode-locked fiber laser gyroscope based on a distributed-feedback semiconductor laser amplifier. Optics Letters, 1996, 21, 92.	3.3	3
86	Gain-clamped fibre amplifier/source for gyroscope. Electronics Letters, 1999, 35, 167.	1.0	3
87	Mode Division Multiplexed 850-nm Single-Mode VCSEL Transmission Using Standard Single-Mode Fiber. IEEE Photonics Technology Letters, 2021, , 1-1.	2.5	3
88	All-fiber add-drop multiplexer using a tilted fiber Bragg grating and mode-selective couplers. , 0, , .		2
89	Stabilisation of fibre-amplifier/source gyroscope by optimum modulation amplitude tracking. Electronics Letters, 1999, 35, 1100.	1.0	2
90	Narrow-bandwidth acousto-optic tunable filter with low polarization dependence. , 2005, , .		2

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91	Characterization of structural irregularities in highly birefringent photonic crystal fiber using torsional acoustic polarization coupling. Optics Communications, 2010, 283, 4094-4098.	2.1	2
92	High-accuracy measurement of cladding noncircularity based on phase velocity difference between acoustic polarization modes. Optics Express, 2010, 18, 3574.	3.4	2
93	Wavelength-stepped, actively mode-locked fiber laser based on wavelength-division-multiplexed optical delay lines. Optics Communications, 2017, 405, 185-191.	2.1	2
94	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
95	All-fiber wavelength-tunable acousto-optic switch. , 2001, , .		2
96	Noiselike pulse generation in a fiber laser by use of nonlinear differential filtering with a nonlinear birefringent loop mirror. , 0, , .		1
97	Tunable single-frequency Er/sup 3+/-doped fiber laser using all-fiber acousto-optic bandpass filter. , 0, , .		1
98	Loss modulation effect on the second-harmonically mode-locked erbium-doped fiber laser based on sagnac loop reflector with y-branch LiNbO/sub 3/ phase modulator. IEEE Journal of Quantum Electronics, 2003, 39, 766-772.	1.9	1
99	Few-mode erbium-doped fiber laser using saturable absorber. , 1996, , .		0
100	Novel all-fiber-optic nonreciprocal modulator. , 0, , .		0
101	Harmonically mode-locked fiber laser using an all-fiber acousto-optic tunable filter. , 0, , .		0
102	Optical switching with nonlinear optical loop mirror using nonlinear birefringence effect. , 0, , .		0
103	All-fiber nonreciprocal comb filter with wavelength tunability. , 0, , .		0
104	Fiber based acousto-optic filters. , 0, , .		0
105	Profile-controlled long-period fiber gratings based on periodic microbends. , 0, , .		0
106	Acousto-optic components for WDM application. , 1999, , .		0
107	Comparative Study of Null Lens for Hyperbolic Surface Test. Optical Review, 2002, 9, 122-125.	2.0	0
108	Highly efficient fused-type core-cladding mode coupler. , 2005, , .		0

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109	Narrow-Bandwidth Acousto-Optic Tunable Bandpass Filter using Dispersion Compensating Fiber. , 0, , .		0
110	Apodization of an elliptic-core two-mode fiber acousto-optic tunable filter. , 2005, , .		0
111	Tunable long-period grating in solid-core bandgap fiber using acoustic waves. , 2007, , .		0
112	Spectral properties of twisted elliptical-core two-mode fiber acousto-optic filters. , 2008, , .		0
113	Acousto-optic mode coupling in photonic crystal fiber with structural imperfections. , 2008, , .		0
114	Ultrashort laser pulse induced core-mode blocker and its application to fabrication of all-fiber bandpass filter. , 2009, , .		0
115	All-fiber acousto-optic modulators for sensors and communications. , 2009, , .		0
116	Passive harmonic mode-locking of fiber laser based on evanescent field interaction with carbon nanotube saturable absorber. , 2011, , .		0
117	Design of waveguide grating with ultrafast tunable index contrast. Optics Express, 2011, 19, 13047.	3.4	0
118	4 GHz passive harmonic mode-locking in a single-clad soliton fiber laser incorporating carbon nano-tube saturable absorbers. , 2012, , .		0
119	All-fiber variable polarization rotator based on geometric effects. , 2015, , .		0
120	Multi-parameter sensing using few-mode fibers. , 2017, , .		0
121	Measurement of Intrinsic Birefringence in Hollow Core Photonic Crystal Fiber. , 2019, , .		0
122	25Gb/s Mode Division Multiplexing VCSEL Transmission over Two Modes Using Standard Single-Mode Fiber at 850 nm. , 2021, , .		0
123	Characterization of structural irregularities in highly birefringent photonic crystal fiber based on polarization coupling by torsional acoustic wave. , 2010, , .		0
124	Ultrawidely tunable single-mode fiber acousto-optic filter. , 2011, , .		0
125	Influence of cavity dispersion on repetition rate of passive harmonic mode-locking soliton fiber laser. , 2012, , .		0
126	All-Fiber Acousto-Optic Filters and Modulators. , 2012, , .		0

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127	Intermodal stimulated Brillouin scattering in two-mode fibers. , 2013, , .		0