Yasuo Kokubun

List of Publications by Year
in descending order

183	4,179	172457	123424
papers	citations	29 h-index	61 g-index

184	184	184	2005
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Switchable All-Optical Flip-Flop and Inverter Operations in Quantum Well Microring Laser. Journal of Lightwave Technology, 2020, , 1-1.	4.6	1
2	Proposal of ultra-low voltage quantum well optical modulator for optical interconnection in superconducting integrated circuit systems. Japanese Journal of Applied Physics, 2020, 59, SOOB01.	1.5	3
3	Design of High-Order Microring Resonator-Based Chebyshev Wavelength Filter Using Digital Filter Design Method. , 2019, , .		0
4	Waveguide Filters and Related Technologies:Issues and Solutions for Practical Use in Transmission Systems. Journal of Lightwave Technology, 2018, 36, 6-18.	4.6	4
5	Nonlinear model analysis of all-optical flip-flop and inverter operations of microring laser. Japanese Journal of Applied Physics, 2018, 57, 032201.	1.5	1
6	Accurate Analysis of Crosstalk Between LP$_{11}$ Quasi-Degenerate Modes Due to Offset Connection Using True Eigenmodes. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	4
7	Full-set high-speed mode analysis in few-mode fibers by polarization-split segmented coherent detection method: Proposal and simulation of calculation error. IEICE Electronics Express, 2018, 15, 20171132-20171132.	0.8	4
8	Demonstration of Switchable All-Optical Flip-flop and Inverter Operations in Semiconductor Microring Laser. , 2018, , .		1
9	Demonstration of true-eigenmode propagation in few-mode fibers by selective LP mode excitation and near-field observation [IEICE Electronics Express Vol. 15 (2018) No. 10 pp. 20180344]. IEICE Electronics Express, 2018, 15, 20188004-20188004.	0.8	1
10	32-Gbps single silicon microring resonator-loaded Machâ€“Zehnder modulator. Japanese Journal of Applied Physics, 2018, 57, 08PC05.	1.5	2
11	Demonstration of true-eigenmode propagation in few-mode fibers by selective LP mode excitation and near-field observation. IEICE Electronics Express, 2018, 15, 20180344-20180344.	0.8	3
12	Rigorous mode theory and analysis of few-mode fibers. Japanese Journal of Applied Physics, 2018, 57, 08PA05.	1.5	4
13	Highly sensitive optical biosensor based on silicon-microring-resonator-loaded Machâ€“Zehnder interferometer. Japanese Journal of Applied Physics, 2017, 56, 04CH08.	1.5	7
14	32-Gbps modulation of single silicon microring resonator-loaded Mach-Zehnder modulator. , 2017, , .		1
15	Proposal of quantum well polarization modulator based on double microring resonator for stokes vector modulation. , 2017, , .		0
16	50 Years of fibers and integrated optics. , 2017, , .		0
17	Observation of eigenmode propagation in few-mode fibers by selective LP mode excitation. , 2017, , .		3
18	Passive waveguide device technologies - building block of functionality and integration -. , 2017, , .		0

#	Article	IF	Citations
19	Proposal of Waveguide-Type Polarization Switch Based on Microring Resonator. IEICE Transactions on Electronics, 2017, E100.C, 767-774.	0.6	1
20	Serial branching mode multi/demultiplexer for homogeneous multi-core fibers. IEICE Electronics Express, 2016, 13, 20150961-20150961.	0.8	2
21	What is a mode in few mode fibers?: Proposal of MIMO-free mode division multiplexing using true eigenmodes. IEICE Electronics Express, 2016, 13, 20160394-20160394.	0.8	14
22	Proposal of MIMO-free mode divison multiplexed transmission using true eigenmodes. , 2016, , .		2
23	Full-set mode analysis of three-mode fibers calculated from polarization components of near-field pattern. Japanese Journal of Applied Physics, 2016, 55, 08RB03.	1.5	3
24	Large Spatial Channel (36-Core Ã— 3 mode) Heterogeneous Few-Mode Multicore Fiber. Journal of Lightwave Technology, 2016, 34, 93-103.	4.6	97
25	Design of Fourth-Order Series Coupled Microring Filter on Chebyshev Filter Condition. IEICE Transactions on Electronics, 2016, E99.C, 235-241.	0.6	0
26	Silicon microring resonator-loaded Mach-Zhender modulator with interleaved PN junction. , 2015, , .		3
27	Stacked polymer waveguide type fanâ€in/fanâ€out device for dense multiâ€core fibre. IET Optoelectronics, 2015, 9, 158-162.	3.3	6
28	Full mode analysis of vector components of degenerated LP modes in Few Mode Fibers from intensity profile through angled polarizer. , 2015, , .		1
29	Mode-evolutional serial branching 4-mode multi/demultiplexer for homogeneous coupled multi-core fiber. , 2015, , .		0
30	All-optical flip-flop and inverter using adjacent lasing wavelengths by semiconductor microring laser. Japanese Journal of Applied Physics, 2014, 53, 08MB04.	1.5	3
31	Stacked waveguide type mode-evolutional multi/demultiplexer for LP<inf>01</inf> LP<inf>11</inf>^a and LP<inf>11</inf>^b. , 2014, , .		0
32	Over 300 channels uncoupled few-mode multi-core fiber for space division multiplexing. , 2014, , .		5
33	Thermo-optically driven silicon microring-resonator-loaded Machâ€“Zehnder modulator for low-power consumption and multiple-wavelength modulation. Japanese Journal of Applied Physics, 2014, 53, 022201.	1.5	6
34	Ultra-large number of transmission channels in space division multiplexing using few-mode multi-core fiber with optimized air-hole-assisted double-cladding structure. Optics Express, 2014, 22, 8309.	3.4	25
35	Scaling of Space Division Multiplexed Transmission Using Heterogeneous Single-mode and Few mode Multi-core Fibers. , 2014, , .		0
36	Coherent Coupling in High-Mesa Semiconductor Directional Coupler. Japanese Journal of Applied Physics, 2013, 52, 022502.	1.5	4

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37	First Demonstration of Hitless Wavelength Selective Switch Based on Quadruple Series Coupled Multiple Quantum Well Microring Resonator. , 2013, , .		0
38	Low-voltage quantum well microring-enhanced Mach-Zehnder modulator. Optics Express, 2013, 21, 16888.	3.4	15
39	Hitless wavelength-selective switch based on quantum well second-order series-coupled microring resonators. Optics Express, 2013, 21, 6377.	3.4	25
40	Hitless wavelength-selective switch with quadruple series-coupled microring resonators using multiple-quantum-well waveguides. Optics Express, 2013, 21, 20837.	3.4	8
41	19-core fan-in/fan-out waveguide device for dense uncoupled multi-core fiber. , 2013, , .		5
42	High Density and Low Cross Talk Design of Heterogeneous Multi-core Fiber with Air Hole Assisted Double Cladding. , 2013, , .		2
43	Improvement of Extinction Ratio of Wavelength-Selective Switch Using Quantum Well Double-Series-Coupled Microring Resonators. , 2013, , .		0
44	Maximum number of transmission channels in mode division multiplexing fibers. , 2013, , .		0
45	Thermo-Optically Controlled Silicon Microring Resonator Mach-Zehnder Modulator with Cascaded and Push-Pull Microring Configuration. , 2013, , .		0
46	Proposal of All-Optical Active Microring Logic Gate for Microring Processor. Japanese Journal of Applied Physics, 2012, 51, 122201.	1.5	2
47	Single silicon microring resonator Mach-Zehnder modulator with low-power consumption using thermo-optic effect. , 2012, , .		2
48	InGaAs/InAlAs Multiple Quantum Well Machâ€“Zehnder Modulator with Single Microring Resonator. Japanese Journal of Applied Physics, 2012, 51, 02BG01.	1.5	8
49	Laminated polymer waveguide fan-out device for uncoupled multi-core fiber. , 2012, , .		0
50	Laminated polymer waveguide fan-out device for uncoupled multi-core fibers. Optics Express, 2012, 20, 26317.	3.4	51
51	Lightwave Engineering. Optical Science and Engineering, 2012, , .	0.1	3
52	InGaAs/InAlAs Multiple Quantum Well Machâ€“Zehnder Modulator with Single Microring Resonator. Japanese Journal of Applied Physics, 2012, 51, 02BG01.	1.5	3
53	Proposal of All-Optical Active Microring Logic Gate for Microring Processor. Japanese Journal of Applied Physics, 2012, 51, 122201.	1.5	2
54	Microring Resonator Wavelength Tunable Filter Using Five-Layer Asymmetric Coupled Quantum Well. Journal of Lightwave Technology, 2011, 29, 2387-2393.	4.6	31

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55	Selective mode excitation and discrimination of four-core homogeneous coupled multi-core fiber. Optics Express, 2011, 19, B905.	3.4	15
56	Demonstration of OCDM Coder and Variable Bandwidth Filter Using Parallel Topology of Quadruple Series Coupled Microring Resonators. IEEE Photonics Journal, 2011, 3, 20-25.	2.0	3
57	Mode Discrimination and Bending Properties of Four-Core Homogeneous Coupled Multi-Core Fiber. , 2011, , .		5
58	Toward the Realization of Multi-Core Fiber. Journal of the Institute of Electrical Engineers of Japan, 2011, 131, 608-610.	0.0	0
59	Origin of UV Sensitivity of SiON Film and Bidirectional UV Trimming of SiON Microring Resonator. Japanese Journal of Applied Physics, 2010, 49, 072201.	1.5	4
60	UV trimming of Polarization-independent Microring Resonator by Internal Stress and Temperature Control. Optics Express, 2010, 18, 906.	3.4	14
61	Series-Coupled and Parallel-Coupled Add/Drop Filters and FSR Extension. Springer Series in Optical Sciences, 2010, , 87-113.	0.7	11
62	Hitless Wavelength Selective Switch Using Vertically Coupled Microring Resonator Manipulated by Micro-Electro-Mechanical Systems Structure. Applied Physics Express, 2009, 2, 062402.	2.4	4
63	Fabrication of microring resonator tunable wavelength filter using five-layer asymmetric coupled quantum well. , 2009, , .		0
64	Novel multi-core fibers for mode division multiplexing: proposal and design principle. IEICE Electronics Express, 2009, 6, 522-528.	0.8	113
65	Heterogeneous multi-core fibers: proposal and design principle. IEICE Electronics Express, 2009, 6, 98-103.	0.8	248
66	Microring Resonator and its Application to Hitless Wavelength Selective Switch Circuits. , 2009, , .		0
67	Besselâ€“Thompson Filter Using Double-Series-Coupled Microring Resonator. Journal of Lightwave Technology, 2008, 26, 3694-3698.	4.6	14
68	Optical cross-connect circuit using hitless wavelength selective switch. Optics Express, 2008, 16, 535.	3.4	43
69	A wavelength-selective add-drop switch using silicon microring resonator with a submicron-comb electrostatic actuator. Optics Express, 2008, 16, 14421.	3.4	105
70	Microring reflector for tunable semiconductor laser. , 2008, , .		0
71	Microring resonator device and its application to hitless wavelength selective switch circuit. , 2008, , .		0
72	Low Loss Vertical Optical Path Conversion Using 45Â° Mirror for Coupling between Optical Waveguide Devices and Planar Devices. Japanese Journal of Applied Physics, 2008, 47, 6744-6749.	1.5	10

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73	Optimal Detuning Combination of Hitless Wavelength Selective Switch using Quadruple Series Coupled Microring Resonator. Japanese Journal of Applied Physics, 2008, 47, 6733-6738.	1.5	5
74	Analysis of Stress in Plasma Enhanced Chemical Vapor Deposition Silicon Nitride Film Irradiated with Ultraviolet Light. Japanese Journal of Applied Physics, 2008, 47, 7081-7088.	1.5	2
75	Hitless wavelength selective switch using vertically series coupled microring resonator manipulated by MEMS structure. , 2008, , .		0
76	Driving Voltage Analysis for Fast Response of Waveguide Optical Switch Based on Movement of Liquid Droplet Driven by Electrostatic Force. IEICE Transactions on Electronics, 2008, E91-C, 1923-1932.	0.6	0
77	Microring resonator devices. , 2007, , .		0
78	Improvement of Switching Characteristics of Hitless Wavelength-Selective Switch with Double-Series-Coupled Microring Resonators. Japanese Journal of Applied Physics, 2007, 46, 3428-3432.	1.5	4
79	Athermal and Polarization-Independent Microring Resonator Filter Using Stress Control. Japanese Journal of Applied Physics, 2007, 46, 5465.	1.5	6
80	Multiwavelength and Multiport Hitless Wavelength-Selective Switch Using Series-Coupled Microring Resonators. IEEE Photonics Technology Letters, 2007, 19, 671-673.	2.5	25
81	Fabrication of Microchannel with Thin Cover Layer for an Optical Waveguide MEMS Switch Based on Microfluidics. IEICE Transactions on Electronics, 2007, E90-C, 78-86.	0.6	1
82	Fast and stable wavelength-selective switch using double-series coupled dielectric microring resonator. IEEE Photonics Technology Letters, 2006, 18, 538-540.	2.5	53
83	Coupling efficiency control of vertically coupled microring resonator filter by microactuator. IEEE Photonics Technology Letters, 2006, 18, 2141-2143.	2.5	8
84	Optimum coupling coefficients in second-order series-coupled ring resonator for nonblocking wavelength channel switch. Journal of Lightwave Technology, 2006, 24, 991-999.	4.6	34
85	Integrated microring resonator circuits for large-scale optical cross-connects. , 2006, 6352, 635201.		0
86	Fabrication of 1 Ã— 2 interleaver by parallel-coupled microring resonator. Electronics and Communications in Japan, 2006, 89, 56-64.	0.2	2
87	Reversal of UV Sensitivity and Loss Reduction of SiON Microring Resonator by Thermal Annealing. Japanese Journal of Applied Physics, 2006, 45, 8691-8695.	1.5	2
88	Experimental Study of Optimum Coupling Efficiency of Double-Series-Coupled Microring Resonator. Japanese Journal of Applied Physics, 2006, 45, 7741-7745.	1.5	6
89	Optimum Arrangement of High-Order Series-Coupled Microring Resonator for Crosstalk Reduction. Japanese Journal of Applied Physics, 2006, 45, 5769-5774.	1.5	18
90	Fabrication technologies for vertically coupled microring resonator with multilevel crossing busline and ultracompact-ring radius. IEEE Journal of Selected Topics in Quantum Electronics, 2005, 11, 4-10.	2.9	171

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91	Polarization-Independent Tuning of Widely Tunable Vertically Coupled Microring Resonator Using Thermo-Optic Effect. Japanese Journal of Applied Physics, 2005, 44, 1792-1796.	1.5	6
92	Expansion of tuning range of wavelength selective switch using Vernier effect of series coupled microring resonator. , 2005, , .		2
93	Optimum design of double series coupled microring resonator for wavelength selective switch. , 2005, , .		0
94	Three-dimensional propagation analysis of coupling efficiency using segmentation and local normal mode expansion for vertically coupled microring resonator filter. Journal of Lightwave Technology, 2005, 23, 2549-2554.	4.6	11
95	Ultracompact vertically coupled microring resonator with buried vacuum cladding structure. IEEE Photonics Technology Letters, 2005, 17, 103-105.	2.5	14
96	Spectrum response improvement of higher order series coupled microring resonator filter by UV trimming. IEEE Photonics Technology Letters, 2005, 17, 2104-2106.	2.5	9
97	Non-blocking wavelength channel switch using TO effect of doubles series coupled microring resonator. Electronics Letters, 2005, 41, 593.	1.0	25
98	Vertically Coupled Microring Resonator Filter for Integrated Add/Drop Node. IEICE Transactions on Electronics, 2005, E88-C, 349-362.	0.6	25
99	High UV Sensitivity of SiON Film and Its Application to Center Wavelength Trimming of Microring Resonator Filter. IEICE Transactions on Electronics, 2005, E88-C, 998-1004.	0.6	12
100	Optimum Wavelength Filter Spectrum Response in DWDM Systems for Ultimate Spectral Efficiency. IEICE Transactions on Communications, 2005, E88-B, 3649-3659.	0.7	0
101	UV-Induced Refractive Index Change of SiN Film and Its Application to Center Wavelength Trimming of Vertically Coupled Microring Resonator Filter. Japanese Journal of Applied Physics, 2004, 43, 5780-5784.	1.5	9
102	Nondestructive Measurement of Propagation Loss and Coupling Efficiency in Microring Resonator Filters using Filter Responses. Japanese Journal of Applied Physics, 2004, 43, 1002-1005.	1.5	22
103	Vertically Coupled Waveguide Bends and Branches for Photonic Gate-Array Technology Using Cross-Grid Architecture. Japanese Journal of Applied Physics, 2004, 43, 8080-8084.	1.5	1
104	Wide-Range Tunable Microring Resonator Filter by Thermo-Optic Effect in Polymer Waveguide. Japanese Journal of Applied Physics, 2004, 43, 5766-5770.	1.5	24
105	Vertically Coupled Microring Resonator Filter with Multilevel Crossing Busline Waveguide. Japanese Journal of Applied Physics, 2004, 43, 5785-5790.	1.5	7
106	Wide Range Center Wavelength Trimming of Vertically Coupled Microring Resonator Filter by Direct UV Irradiation to SiN Ring Core. IEEE Photonics Technology Letters, 2004, 16, 135-137.	2.5	43
107	Loss-Less Multilevel Crossing of Busline Waveguide in Vertically Coupled Microring Resonator Filter. IEEE Photonics Technology Letters, 2004, 16, 473-475.	2.5	27
108	Cross grid microring filter circuit - Versatile building block for filter synthesis. , 2004, , .		0

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109	Design rule of wavelength filter bandwidth and pulsewidth for ultimate spectral efficiency limited by crosstalk in DWDM systems. IEEE Photonics Technology Letters, 2003, 15, 1645-1647.	2.5	9
110	Wavelength tunable polymer microring resonator filter with 9.4â€...nm tuning range. Electronics Letters, 2003, 39, 922.	1.0	22
111	Three-dimensional integration of vertically coupled microring resonator filters: fabrication and wavelength trimming technologies. , 2003, , .		0
112	Dense Integration of Optical Filter Circuit by Vertically Coupled Microring Resonator with Cross Grid Geometry. The Review of Laser Engineering, 2003, 31, 267-275.	0.0	0
113	Precise Formation of Fine Pits on Birefringent Film for Multilevel Optical Data Storage. Japanese Journal of Applied Physics, 2002, 41, 4841-4844.	1.5	4
114	GaInAsP Microdisk Injection Laser with Benzocyclobutene Polymer Cladding and Its Athermal Effect. Japanese Journal of Applied Physics, 2002, 41, 6364-6369.	1.5	30
115	Vertical Triple Series-Coupled Microring Resonator Filter for Passband Flattening and Expansion of Free Spectral Range. Japanese Journal of Applied Physics, 2002, 41, L141-L143.	1.5	16
116	Coupling-loss reduction of a vertically coupled microring resonator filter by spot-size-matched busline waveguides. Applied Optics, 2002, 41, 4394.	2.1	6
117	Precise control of wavelength channel spacing of microring resonator add-drop filter array. Journal of Lightwave Technology, 2002, 20, 745-750.	4.6	51
118	Box-like filter response and expansion of FSR by a vertically triple coupled microring resonator filter. Journal of Lightwave Technology, 2002, 20, 1525-1529.	4.6	140
119	Ultrashort optical pulse transmission characteristics of vertically coupled microring resonator add/drop filter. Journal of Lightwave Technology, 2001, 19, 266-271.	4.6	22
120	Polarisation-independent vertically coupled microring resonator filter. Electronics Letters, 2001, 37, 90.	1.0	21
121	Design of Temperature Independent Add/Drop Filter Using Vertical Coupled ARROW Filter. Japanese Journal of Applied Physics, 2000, 39, 1497-1502.	1.5	0
122	Vertical antiresonant reflecting optical waveguide coupler for three-dimensional optical interconnects: optimum design for large tolerance, high coupling efficiency, and short coupling length. Applied Optics, 2000, 39, 426.	2.1	6
123	Microring resonator arrays for VLSI photonics. IEEE Photonics Technology Letters, 2000, 12, 323-325.	2.5	215
124	Second-order filter response from parallel coupled glass microring resonators. IEEE Photonics Technology Letters, 1999, 11, 1426-1428.	2.5	115
125	Broadband box-like filters using tapered waveguides. Electronics Letters, 1999, 35, 1462.	1.0	0
126	Vertically coupled glass microring resonator channel dropping filters. IEEE Photonics Technology Letters, 1999, 11, 215-217.	2.5	169

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127	59-nm trimming of center wavelength of ARROW-type vertical coupler filter by UV irradiation. IEEE Photonics Technology Letters, 1999, 11, 358-360.	2.5	8
128	Wavelength trimming of a microring resonator filter by means of a UV sensitive polymer overlay. IEEE Photonics Technology Letters, 1999, 11, 688-690.	2.5	80
129	An eight-channel add-drop filter using vertically coupled microring resonators over a cross grid. IEEE Photonics Technology Letters, 1999, 11, 691-693.	2.5	261
130	High-coupling efficiency vertical ARROW coupler with large tolerance and short coupling length for three-dimensional optical interconnects. IEEE Photonics Technology Letters, 1999, 11, 1006-1008.	2.5	8
131	Temperature insensitive vertically coupled microring resonator add/drop filters by means of a polymer overlay. IEEE Photonics Technology Letters, 1999, 11, 1138-1140.	2.5	43
132	Cascaded microring resonators for crosstalk reduction and spectrum cleanup in add-drop filters. IEEE Photonics Technology Letters, 1999, 11, 1423-1425.	2.5	74
133	ARROW-type vertical coupler filter: design and fabrication. Journal of Lightwave Technology, 1999, 17, 652-658.	4.6	5
134	Reduction of filter sidelobe level by an X-crossing vertical coupled ARROW filter. IEEE Photonics Technology Letters, 1998, 10, 391-393.	2.5	9
135	Planarization of Film Deposition and Improvement of Channel Structure for Fabrication of Anti-Resonant Reflecting Optical Waveguide Type X-crossing Vertical Coupler Filter. Japanese Journal of Applied Physics, 1998, 37, 3713-3717.	1.5	7
136	Sidelobe Suppression of Vertical Coupler Filter with an X-Crossing Configuration. Japanese Journal of Applied Physics, 1998, 37, 3708-3712.	1.5	4
137	Stacked ARROW vertical coupler with large tolerance and short coupling length for three-dimensional interconnects. Electronics Letters, 1998, 34, 1851.	1.0	3
138	ARROW-B type polarization splitter with asymmetric Y-branch fabricated by a self-alignment process. Journal of Lightwave Technology, 1997, 15, 1165-1170.	4.6	26
139	Narrowband optical wavelength comb by ARROW-type vertical coupler with thick cavity. Electronics Letters, 1997, 33, 1947.	1.0	1
140	Compact ARROW-type vertical coupler filter. IEEE Photonics Technology Letters, 1996, 8, 1492-1494.	2.5	6
141	Monolithic formation of thin films on the vertical surface of a substrate by a dual-ion-beam sputtering technique. Applied Optics, 1996, 35, 4128.	2.1	1
142	Three-dimensional athermal waveguide at 1.3 Î¼m wavelength for temperature independent lightwave devices. Optical Review, 1996, 3, 478-480.	2.0	3
143	Three-dimensional athermal waveguide at 1.3 Î¼m wavelength for temperature independent lightwave devices. Optical Review, 1996, 3, A478-A480.	2.0	0
144	Temperature-independent narrowband optical filter at 1.3 [micro sign]m wavelength by an athermal waveguide. Electronics Letters, 1996, 32, 1998.	1.0	34

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145	Versatile stacked ARROW crossconnect for three-dimensional optical interconnects. Electronics Letters, 1995, 31, 33-35.	1.0	3
146	Precise recursive formula for calculating spot size in optical waveguides and accurate evaluation of splice loss. Applied Optics, 1995, 34, 6862.	2.1	5
147	ARROW-B type polarizer utilizing birefringence in multilayer stripe lateral confinement. IEEE Photonics Technology Letters, 1995, 7, 38-40.	2.5	5
148	A versatile design of selective radiation wavelength filter using multilayer cladding waveguide. IEEE Photonics Technology Letters, 1995, 7, 792-794.	2.5	3
149	Direct measurement of propagation constant in optical waveguides by heterodyne scattering detection (HSD) method. IEEE Photonics Technology Letters, 1995, 7, 1465-1467.	2.5	1
150	Compact three-dimensional optical interconnects with large tolerance by stacked ARROW-type waveguides. Electronics Letters, 1994, 30, 951-952.	1.0	5
151	Three-dimensional athermal waveguides for temperature independent lightwave devices. Electronics Letters, 1994, 30, 1223-1224.	1.0	40
152	Precise formula for calculating spot size in optical waveguides and its accuracy. Electronics and Communications in Japan, 1994, 77, 1-12.	0.2	1
153	Athermal waveguides for temperature-independent lightwave devices. IEEE Photonics Technology Letters, 1993, 5, 1297-1300.	2.5	80
154	ARROW-type polarizer utilizing form birefringence in multilayer first cladding. IEEE Photonics Technology Letters, 1993, 5, 1418-1420.	2.5	26
155	Selective formation of dielectric films on vertical surface of substrate for photonic integrated circuits. IEEE Journal of Quantum Electronics, 1992, 28, 1727-1731.	1.9	3
156	Spot size transformer with a type-B antiresonant reflecting optical waveguide. Optics Letters, 1992, 17, 1746.	3.3	7
157	Dispersion and radiation loss characteristics of antiresonant reflecting optical waveguides-numerical results and analytical expressions. IEEE Journal of Quantum Electronics, 1992, 28, 1689-1700.	1.9	103
158	Scattering loss of antiresonant reflecting optical waveguides. Journal of Lightwave Technology, 1991, 9, 590-597.	4.6	6
159	Monolithic Integration of Photodetector and ARROW-Type Interferometer for Detecting Phase Difference between Two Optical Paths. Japanese Journal of Applied Physics, 1990, 29, L96-L98.	1.5	2
160	Low-loss spot-size transformer by dual tapered waveguides (DTW-SST). Journal of Lightwave Technology, 1990, 8, 587-594.	4.6	43
161	Monolithic integration of an ARROW-type demultiplexer and photodetector in the shorter wavelength region. Journal of Lightwave Technology, 1990, 8, 99-104.	4.6	36
162	Monolithic integration of multilayer filter on vertical surface of semiconductor substrate by a bias-sputtering technique. IEEE Photonics Technology Letters, 1990, 2, 191-193.	2.5	8

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163	High efficiency light coupling from antiresonant reflecting optical waveguide to integrated photodetector using an antireflecting layer. Applied Optics, 1990, 29, 2781.	2.1	35
164	An etch tunable antireflection coating for the controlled elimination of Fabry-Perot oscillations in the optical spectra of transverse modulator structures. IEEE Photonics Technology Letters, 1989, 1, 235-237.	2.5	2
165	Loss reduction of an ARROW waveguide in shorter wavelength and its stack configuration. Journal of Lightwave Technology, 1988, 6, 1440-1445.	4.6	85
166	Bellows-type Mode Scrambler Integrated into a Distributed-index Branching Waveguide. Journal of Modern Optics, 1988, 35, 959-963.	1.3	0
167	Loss Reduction in a Mesh Waveguide Star Coupler. Journal of Modern Optics, 1988, 35, 1069-1077.	1.3	0
168	Evaluation of modal distribution of optical branching waveguide by phase space. Electronics and Communications in Japan, 1987, 70, 97-105.	0.2	0
169	Evaluation of distributed-index branching waveguide by phase space. Applied Optics, 1986, 25, 3401.	2.1	2
170	Phase space evaluation of distributed-index branching waveguides. Journal of Lightwave Technology, 1986, 4, 1534-1541.	4.6	9
171	Antiresonant reflecting optical waveguides in SiO2â€Si multilayer structures. Applied Physics Letters, 1986, 49, 13-15.	3.3	619
172	Silicon optical printed circuit board for three-dimensional integrated optics. Electronics Letters, 1985, 21, 508-509.	1.0	13
173	Wave Aberration Testing System for Micro-Lenses by Shearing Interference Method. Japanese Journal of Applied Physics, 1984, 23, 101-104.	1.5	7
174	Improved distributed-index planar microlens and its application to 2-D lightwave components. Applied Optics, 1983, 22, 441.	2.1	16
175	Singleâ€mode condition of optical fibers with axially symmetric refractive index distribution. Radio Science, 1982, 17, 43-49.	1.6	2
176	Formulas for TE_01 cutoff in optical fibers with arbitrary index profile. Journal of the Optical Society of America, 1980, 70, 36.	1.2	19
177	Mode analysis of graded-index optical fibers using a scalar wave equation including gradient-index terms and direct numerical integration. Journal of the Optical Society of America, 1980, 70, 388.	1.2	12
178	Refractive-index profile measurement of preform rods by a transverse differential interferogram. Applied Optics, 1980, 19, 846.	2.1	23
179	Formulas for calculating the refractive index profile of optical fibers from their transverse interference patterns. Applied Optics, 1978, 17, 1972.	2.1	22
180	Optical waveguide switch based on microfluidics drived by electrostatic force. , 0, , .		2

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181	Non-blocking wavelength channel switch using TO effect of double series coupled microring resonator. , 0, , .		3
182	Experimental searching of optimum coupling efficiency of double series coupled microring resonator. , 0, , .		1
183	Spectrum response improvement of higher-order series coupled microring resonator filter by UV trimming. , 0, , .		0