Yasuo Kokubun

List of Publications by Year
in descending order

183	4,179	172207	123241
papers	citations	29 h-index	61 g-index

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

#	Article	IF	Citations
1	Antiresonant reflecting optical waveguides in SiO2â€Si multilayer structures. Applied Physics Letters, 1986, 49, 13-15.	1.5	619
2	An eight-channel add-drop filter using vertically coupled microring resonators over a cross grid. IEEE Photonics Technology Letters, 1999, 11, 691-693.	1.3	261
3	Heterogeneous multi-core fibers: proposal and design principle. IEICE Electronics Express, 2009, 6, 98-103.	0.3	248
4	Microring resonator arrays for VLSI photonics. IEEE Photonics Technology Letters, 2000, 12, 323-325.	1.3	215
5	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.	1.9	171
6	Vertically coupled glass microring resonator channel dropping filters. IEEE Photonics Technology Letters, 1999, 11, 215-217.	1.3	169
7	Box-like filter response and expansion of FSR by a vertically triple coupled microring resonator filter. Journal of Lightwave Technology, 2002, 20, 1525-1529.	2.7	140
8	Second-order filter response from parallel coupled glass microring resonators. IEEE Photonics Technology Letters, 1999, 11, 1426-1428.	1.3	115
9	Novel multi-core fibers for mode division multiplexing: proposal and design principle. IEICE Electronics Express, 2009, 6, 522-528.	0.3	113
10	A wavelength-selective add-drop switch using silicon microring resonator with a submicron-comb electrostatic actuator. Optics Express, 2008, 16, 14421.	1.7	105
11	Dispersion and radiation loss characteristics of antiresonant reflecting optical waveguides-numerical results and analytical expressions. IEEE Journal of Quantum Electronics, 1992, 28, 1689-1700.	1.0	103
12	Large Spatial Channel (36-Core Ã— 3 mode) Heterogeneous Few-Mode Multicore Fiber. Journal of Lightwave Technology, 2016, 34, 93-103.	2.7	97
13	Loss reduction of an ARROW waveguide in shorter wavelength and its stack configuration. Journal of Lightwave Technology, 1988, 6, 1440-1445.	2.7	85
14	Athermal waveguides for temperature-independent lightwave devices. IEEE Photonics Technology Letters, 1993, 5, 1297-1300.	1.3	80
15	Wavelength trimming of a microring resonator filter by means of a UV sensitive polymer overlay. IEEE Photonics Technology Letters, 1999, 11, 688-690.	1.3	80
16	Cascaded microring resonators for crosstalk reduction and spectrum cleanup in add-drop filters. IEEE Photonics Technology Letters, 1999, 11, 1423-1425.	1.3	74
17	Fast and stable wavelength-selective switch using double-series coupled dielectric microring resonator. IEEE Photonics Technology Letters, 2006, 18, 538-540.	1.3	53
18	Precise control of wavelength channel spacing of microring resonator add-drop filter array. Journal of Lightwave Technology, 2002, 20, 745-750.	2.7	51

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19	Laminated polymer waveguide fan-out device for uncoupled multi-core fibers. Optics Express, 2012, 20, 26317.	1.7	51
20	Low-loss spot-size transformer by dual tapered waveguides (DTW-SST). Journal of Lightwave Technology, 1990, 8, 587-594.	2.7	43
21	Temperature insensitive vertically coupled microring resonator add/drop filters by means of a polymer overlay. IEEE Photonics Technology Letters, 1999, 11, 1138-1140.	1.3	43
22	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.	1.3	43
23	Optical cross-connect circuit using hitless wavelength selective switch. Optics Express, 2008, 16, 535.	1.7	43
24	Three-dimensional athermal waveguides for temperature independent lightwave devices. Electronics Letters, 1994, 30, 1223-1224.	0.5	40
25	Monolithic integration of an ARROW-type demultiplexer and photodetector in the shorter wavelength region. Journal of Lightwave Technology, 1990, 8, 99-104.	2.7	36
26	High efficiency light coupling from antiresonant reflecting optical waveguide to integrated photodetector using an antireflecting layer. Applied Optics, 1990, 29, 2781.	2.1	35
27	Temperature-independent narrowband optical filter at 1.3 [micro sign]m wavelength by an athermal waveguide. Electronics Letters, 1996, 32, 1998.	0.5	34
28	Optimum coupling coefficients in second-order series-coupled ring resonator for nonblocking wavelength channel switch. Journal of Lightwave Technology, 2006, 24, 991-999.	2.7	34
29	Microring Resonator Wavelength Tunable Filter Using Five-Layer Asymmetric Coupled Quantum Well. Journal of Lightwave Technology, 2011, 29, 2387-2393.	2.7	31
30	GaInAsP Microdisk Injection Laser with Benzocyclobutene Polymer Cladding and Its Athermal Effect. Japanese Journal of Applied Physics, 2002, 41, 6364-6369.	0.8	30
31	Loss-Less Multilevel Crossing of Busline Waveguide in Vertically Coupled Microring Resonator Filter. IEEE Photonics Technology Letters, 2004, 16, 473-475.	1.3	27
32	ARROW-type polarizer utilizing form birefringence in multilayer first cladding. IEEE Photonics Technology Letters, 1993, 5, 1418-1420.	1.3	26
33	ARROW-B type polarization splitter with asymmetric Y-branch fabricated by a self-alignment process. Journal of Lightwave Technology, 1997, 15, 1165-1170.	2.7	26
34	Non-blocking wavelength channel switch using TO effect of doubles series coupled microring resonator. Electronics Letters, 2005, 41, 593.	0.5	25
35	Multiwavelength and Multiport Hitless Wavelength-Selective Switch Using Series-Coupled Microring Resonators. IEEE Photonics Technology Letters, 2007, 19, 671-673.	1.3	25
36	Hitless wavelength-selective switch based on quantum well second-order series-coupled microring resonators. Optics Express, 2013, 21, 6377.	1.7	25

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37	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.	1.7	25
38	Vertically Coupled Microring Resonator Filter for Integrated Add/Drop Node. IEICE Transactions on Electronics, 2005, E88-C, 349-362.	0.3	25
39	Wide-Range Tunable Microring Resonator Filter by Thermo-Optic Effect in Polymer Waveguide. Japanese Journal of Applied Physics, 2004, 43, 5766-5770.	0.8	24
40	Refractive-index profile measurement of preform rods by a transverse differential interferogram. Applied Optics, 1980, 19, 846.	2.1	23
41	Formulas for calculating the refractive index profile of optical fibers from their transverse interference patterns. Applied Optics, 1978, 17, 1972.	2.1	22
42	Ultrashort optical pulse transmission characteristics of vertically coupled microring resonator add/drop filter. Journal of Lightwave Technology, 2001, 19, 266-271.	2.7	22
43	Wavelength tunable polymer microring resonator filter with 9.4â€…nm tuning range. Electronics Letters, 2003, 39, 922.	0.5	22
44	Nondestructive Measurement of Propagation Loss and Coupling Efficiency in Microring Resonator Filters using Filter Responses. Japanese Journal of Applied Physics, 2004, 43, 1002-1005.	0.8	22
45	Polarisation-independent vertically coupled microring resonator filter. Electronics Letters, 2001, 37, 90.	0.5	21
46	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
47	Optimum Arrangement of High-Order Series-Coupled Microring Resonator for Crosstalk Reduction. Japanese Journal of Applied Physics, 2006, 45, 5769-5774.	0.8	18
48	Improved distributed-index planar microlens and its application to 2-D lightwave components. Applied Optics, 1983, 22, 441.	2.1	16
49	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.	0.8	16
50	Selective mode excitation and discrimination of four-core homogeneous coupled multi-core fiber. Optics Express, 2011, 19, B905.	1.7	15
51	Low-voltage quantum well microring-enhanced Mach-Zehnder modulator. Optics Express, 2013, 21, 16888.	1.7	15
52	Ultracompact vertically coupled microring resonator with buried vacuum cladding structure. IEEE Photonics Technology Letters, 2005, 17, 103-105.	1.3	14
53	Besselâ€“Thompson Filter Using Double-Series-Coupled Microring Resonator. Journal of Lightwave Technology, 2008, 26, 3694-3698.	2.7	14
54	UV trimming of Polarization-independent Microring Resonator by Internal Stress and Temperature Control. Optics Express, 2010, 18, 906.	1.7	14

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55	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.	0.3	14
56	Silicon optical printed circuit board for three-dimensional integrated optics. Electronics Letters, 1985, 21, 508-509.	0.5	13
57	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
58	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.	0.3	12
59	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.	2.7	11
60	Series-Coupled and Parallel-Coupled Add/Drop Filters and FSR Extension. Springer Series in Optical Sciences, 2010, , 87-113.	0.5	11
61	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.	0.8	10
62	Phase space evaluation of distributed-index branching waveguides. Journal of Lightwave Technology, 1986, 4, 1534-1541.	2.7	9
63	Reduction of filter sidelobe level by an X-crossing vertical coupled ARROW filter. IEEE Photonics Technology Letters, 1998, 10, 391-393.	1.3	9
64	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.	1.3	9
65	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.	0.8	9
66	Spectrum response improvement of higher order series coupled microring resonator filter by UV trimming. IEEE Photonics Technology Letters, 2005, 17, 2104-2106.	1.3	9
67	Monolithic integration of multilayer filter on vertical surface of semiconductor substrate by a bias-sputtering technique. IEEE Photonics Technology Letters, 1990, 2, 191-193.	1.3	8
68	59-nm trimming of center wavelength of ARROW-type vertical coupler filter by UV irradiation. IEEE Photonics Technology Letters, 1999, 11, 358-360.	1.3	8
69	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.	1.3	8
70	Coupling efficiency control of vertically coupled microring resonator filter by microactuator. IEEE Photonics Technology Letters, 2006, 18, 2141-2143.	1.3	8
71	InGaAs/InAlAs Multiple Quantum Well Machâ€“Zehnder Modulator with Single Microring Resonator. Japanese Journal of Applied Physics, 2012, 51, 02BG01.	0.8	8
72	Hitless wavelength-selective switch with quadruple series-coupled microring resonators using multiple-quantum-well waveguides. Optics Express, 2013, 21, 20837.	1.7	8

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73	Wave Aberration Testing System for Micro-Lenses by Shearing Interference Method. Japanese Journal of Applied Physics, 1984, 23, 101-104.	0.8	7
74	Spot size transformer with a type-B antiresonant reflecting optical waveguide. Optics Letters, 1992, 17, 1746.	1.7	7
75	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.	0.8	7
76	Vertically Coupled Microring Resonator Filter with Multilevel Crossing Busline Waveguide. Japanese Journal of Applied Physics, 2004, 43, 5785-5790.	0.8	7
77	Highly sensitive optical biosensor based on silicon-microring-resonator-loaded Machâ€“Zehnder interferometer. Japanese Journal of Applied Physics, 2017, 56, 04CH08.	0.8	7
78	Scattering loss of antiresonant reflecting optical waveguides. Journal of Lightwave Technology, 1991, 9, 590-597.	2.7	6
79	Compact ARROW-type vertical coupler filter. IEEE Photonics Technology Letters, 1996, 8, 1492-1494.	1.3	6
80	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
81	Coupling-loss reduction of a vertically coupled microring resonator filter by spot-size-matched busline waveguides. Applied Optics, 2002, 41, 4394.	2.1	6
82	Polarization-Independent Tuning of Widely Tunable Vertically Coupled Microring Resonator Using Thermo-Optic Effect. Japanese Journal of Applied Physics, 2005, 44, 1792-1796.	0.8	6
83	Experimental Study of Optimum Coupling Efficiency of Double-Series-Coupled Microring Resonator. Japanese Journal of Applied Physics, 2006, 45, 7741-7745.	0.8	6
84	Athermal and Polarization-Independent Microring Resonator Filter Using Stress Control. Japanese Journal of Applied Physics, 2007, 46, 5465.	0.8	6
85	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.	0.8	6
86	Stacked polymer waveguide type fanâ€in/fanâ€out device for dense multiâ€core fibre. IET Optoelectronics, 2015, 9, 158-162.	1.8	6
87	Compact three-dimensional optical interconnects with large tolerance by stacked ARROW-type waveguides. Electronics Letters, 1994, 30, 951-952.	0.5	5
88	Precise recursive formula for calculating spot size in optical waveguides and accurate evaluation of splice loss. Applied Optics, 1995, 34, 6862.	2.1	5
89	ARROW-B type polarizer utilizing birefringence in multilayer stripe lateral confinement. IEEE Photonics Technology Letters, 1995, 7, 38-40.	1.3	5
90	ARROW-type vertical coupler filter: design and fabrication. Journal of Lightwave Technology, 1999, 17, 652-658.	2.7	5

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91	Optimal Detuning Combination of Hitless Wavelength Selective Switch using Quadruple Series Coupled Microring Resonator. Japanese Journal of Applied Physics, 2008, 47, 6733-6738.	0.8	5
92	19-core fan-in/fan-out waveguide device for dense uncoupled multi-core fiber. , 2013, , .		5
93	Over 300 channels uncoupled few-mode multi-core fiber for space division multiplexing. , 2014, , .		5
94	Mode Discrimination and Bending Properties of Four-Core Homogeneous Coupled Multi-Core Fiber. , 2011, , .		5
95	Sidelobe Suppression of Vertical Coupler Filter with an X-Crossing Configuration. Japanese Journal of Applied Physics, 1998, 37, 3708-3712.	0.8	4
96	Precise Formation of Fine Pits on Birefringent Film for Multilevel Optical Data Storage. Japanese Journal of Applied Physics, 2002, 41, 4841-4844.	0.8	4
97	Improvement of Switching Characteristics of Hitless Wavelength-Selective Switch with Double-Series-Coupled Microring Resonators. Japanese Journal of Applied Physics, 2007, 46, 3428-3432.	0.8	4
98	Hitless Wavelength Selective Switch Using Vertically Coupled Microring Resonator Manipulated by Micro-Electro-Mechanical Systems Structure. Applied Physics Express, 2009, 2, 062402.	1.1	4
99	Origin of UV Sensitivity of SiON Film and Bidirectional UV Trimming of SiON Microring Resonator. Japanese Journal of Applied Physics, 2010, 49, 072201.	0.8	4
100	Coherent Coupling in High-Mesa Semiconductor Directional Coupler. Japanese Journal of Applied Physics, 2013, 52, 022502.	0.8	4
101	Waveguide Filters and Related Technologies:Issues and Solutions for Practical Use in Transmission Systems. Journal of Lightwave Technology, 2018, 36, 6-18.	2.7	4
102	Accurate Analysis of Crosstalk Between LP$_{11}$ Quasi-Degenerate Modes Due to Offset Connection Using True Eigenmodes. IEEE Photonics Journal, 2018, 10, 1-11.	1.0	4
103	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.	0.3	4
104	Rigorous mode theory and analysis of few-mode fibers. Japanese Journal of Applied Physics, 2018, 57, 08PA05.	0.8	4
105	Selective formation of dielectric films on vertical surface of substrate for photonic integrated circuits. IEEE Journal of Quantum Electronics, 1992, 28, 1727-1731.	1.0	3
106	Versatile stacked ARROW crossconnect for three-dimensional optical interconnects. Electronics Letters, 1995, 31, 33-35.	0.5	3
107	A versatile design of selective radiation wavelength filter using multilayer cladding waveguide. IEEE Photonics Technology Letters, 1995, 7, 792-794.	1.3	3
108	Three-dimensional athermal waveguide at 1.3 Î¼m wavelength for temperature independent lightwave devices. Optical Review, 1996, 3, 478-480.	1.2	3

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109	Stacked ARROW vertical coupler with large tolerance and short coupling length for three-dimensional interconnects. Electronics Letters, 1998, 34, 1851.	0.5	3
110	Non-blocking wavelength channel switch using TO effect of double series coupled microring resonator. , 0, , .		3
111	Demonstration of OCDM Coder and Variable Bandwidth Filter Using Parallel Topology of Quadruple Series Coupled Microring Resonators. IEEE Photonics Journal, 2011, 3, 20-25.	1.0	3
112	All-optical flip-flop and inverter using adjacent lasing wavelengths by semiconductor microring laser. Japanese Journal of Applied Physics, 2014, 53, 08MB04.	0.8	3
113	Silicon microring resonator-loaded Mach-Zhender modulator with interleaved PN junction. , 2015, , .		3
114	Full-set mode analysis of three-mode fibers calculated from polarization components of near-field pattern. Japanese Journal of Applied Physics, 2016, 55, 08RB03.	0.8	3
115	Observation of eigenmode propagation in few-mode fibers by selective LP mode excitation. , 2017, , .		3
116	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.	0.3	3
117	Lightwave Engineering. Optical Science and Engineering, 2012, , .	0.1	3
118	InGaAs/InAlAs Multiple Quantum Well Machâ€“Zehnder Modulator with Single Microring Resonator. Japanese Journal of Applied Physics, 2012, 51, 02BG01.	0.8	3
119	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.	0.8	3
120	Singleâ€mode condition of optical fibers with axially symmetric refractive index distribution. Radio Science, 1982, 17, 43-49.	0.8	2
121	Evaluation of distributed-index branching waveguide by phase space. Applied Optics, 1986, 25, 3401.	2.1	2
122	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.	1.3	2
123	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.	0.8	2
124	Expansion of tuning range of wavelength selective switch using Vernier effect of series coupled microring resonator. , 2005, , .		2
125	Optical waveguide switch based on microfluidics drived by electrostatic force. , 0, , .		2
126	Fabrication of 1 Ã— 2 interleaver by parallel-coupled microring resonator. Electronics and Communications in Japan, 2006, 89, 56-64.	0.2	2

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127	Reversal of UV Sensitivity and Loss Reduction of SiON Microring Resonator by Thermal Annealing. Japanese Journal of Applied Physics, 2006, 45, 8691-8695.	0.8	2
128	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.	0.8	2
129	Proposal of All-Optical Active Microring Logic Gate for Microring Processor. Japanese Journal of Applied Physics, 2012, 51, 122201.	0.8	2
130	Single silicon microring resonator Mach-Zehnder modulator with low-power consumption using thermo-optic effect. , 2012, , .		2
131	Serial branching mode multi/demultiplexer for homogeneous multi-core fibers. IEICE Electronics Express, 2016, 13, 20150961-20150961.	0.3	2
132	Proposal of MIMO-free mode divison multiplexed transmission using true eigenmodes. , 2016, , .		2
133	32-Gbps single silicon microring resonator-loaded Machâ€“Zehnder modulator. Japanese Journal of Applied Physics, 2018, 57, 08PC05.	0.8	2
134	Proposal of All-Optical Active Microring Logic Gate for Microring Processor. Japanese Journal of Applied Physics, 2012, 51, 122201.	0.8	2
135	High Density and Low Cross Talk Design of Heterogeneous Multi-core Fiber with Air Hole Assisted Double Cladding. , 2013, , .		2
136	Precise formula for calculating spot size in optical waveguides and its accuracy. Electronics and Communications in Japan, 1994, 77, 1-12.	0.2	1
137	Direct measurement of propagation constant in optical waveguides by heterodyne scattering detection (HSD) method. IEEE Photonics Technology Letters, 1995, 7, 1465-1467.	1.3	1
138	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
139	Vertically Coupled Waveguide Bends and Branches for Photonic Gate-Array Technology Using Cross-Grid Architecture. Japanese Journal of Applied Physics, 2004, 43, 8080-8084.	0.8	1
140	Experimental searching of optimum coupling efficiency of double series coupled microring resonator. , 0, , .		1
141	Full mode analysis of vector components of degenerated LP modes in Few Mode Fibers from intensity profile through angled polarizer. , 2015, , .		1
142	32-Gbps modulation of single silicon microring resonator-loaded Mach-Zehnder modulator. , 2017, , .		1
143	Nonlinear model analysis of all-optical flip-flop and inverter operations of microring laser. Japanese Journal of Applied Physics, 2018, 57, 032201.	0.8	1
144	Demonstration of Switchable All-Optical Flip-flop and Inverter Operations in Semiconductor Microring Laser. , 2018, , .		1

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145	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.	0.3	1
146	Switchable All-Optical Flip-Flop and Inverter Operations in Quantum Well Microring Laser. Journal of Lightwave Technology, 2020, , 1-1.	2.7	1
147	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.	0.3	1
148	Narrowband optical wavelength comb by ARROW-type vertical coupler with thick cavity. Electronics Letters, 1997, 33, 1947.	0.5	1
149	Proposal of Waveguide-Type Polarization Switch Based on Microring Resonator. IEICE Transactions on Electronics, 2017, E100.C, 767-774.	0.3	1
150	Evaluation of modal distribution of optical branching waveguide by phase space. Electronics and Communications in Japan, 1987, 70, 97-105.	0.2	0
151	Bellows-type Mode Scrambler Integrated into a Distributed-index Branching Waveguide. Journal of Modern Optics, 1988, 35, 959-963.	0.6	0
152	Loss Reduction in a Mesh Waveguide Star Coupler. Journal of Modern Optics, 1988, 35, 1069-1077.	0.6	0
153	Three-dimensional athermal waveguide at 1.3 Î¼m wavelength for temperature independent lightwave devices. Optical Review, 1996, 3, A478-A480.	1.2	0
154	Broadband box-like filters using tapered waveguides. Electronics Letters, 1999, 35, 1462.	0.5	0
155	Design of Temperature Independent Add/Drop Filter Using Vertical Coupled ARROW Filter. Japanese Journal of Applied Physics, 2000, 39, 1497-1502.	0.8	0
156	Three-dimensional integration of vertically coupled microring resonator filters: fabrication and wavelength trimming technologies. , 2003, , .		0
157	Optimum design of double series coupled microring resonator for wavelength selective switch. , 2005, , .		0
158	Spectrum response improvement of higher-order series coupled microring resonator filter by UV trimming. , 0, , .		0
159	Integrated microring resonator circuits for large-scale optical cross-connects. , 2006, 6352, 635201.		0
160	Microring resonator devices. , 2007, , .		0
161	Microring reflector for tunable semiconductor laser. , 2008, , .		0
162	Microring resonator device and its application to hitless wavelength selective switch circuit. , 2008, , .		0

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163	Hitless wavelength selective switch using vertically series coupled microring resonator manipulated by MEMS structure. , 2008, , .		0
164	Fabrication of microring resonator tunable wavelength filter using five-layer asymmetric coupled quantum well. , 2009, , .		0
165	Laminated polymer waveguide fan-out device for uncoupled multi-core fiber. , 2012, , .		0
166	First Demonstration of Hitless Wavelength Selective Switch Based on Quadruple Series Coupled Multiple Quantum Well Microring Resonator. , 2013, , .		0
167	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
168	Mode-evolutional serial branching 4-mode multi/demultiplexer for homogeneous coupled multi-core fiber. , 2015, , .		0
169	Proposal of quantum well polarization modulator based on double microring resonator for stokes vector modulation. , 2017, , .		0
170	50 Years of fibers and integrated optics. , 2017, , .		0
171	Design of High-Order Microring Resonator-Based Chebyshev Wavelength Filter Using Digital Filter Design Method. , 2019, , .		0
172	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
173	Cross grid microring filter circuit - Versatile building block for filter synthesis. , 2004, , .		0
174	Optimum Wavelength Filter Spectrum Response in DWDM Systems for Ultimate Spectral Efficiency. IEICE Transactions on Communications, 2005, E88-B, 3649-3659.	0.4	0
175	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.	0.3	0
176	Microring Resonator and its Application to Hitless Wavelength Selective Switch Circuits. , 2009, , .		0
177	Toward the Realization of Multi-Core Fiber. Journal of the Institute of Electrical Engineers of Japan, 2011, 131, 608-610.	0.0	0
178	Improvement of Extinction Ratio of Wavelength-Selective Switch Using Quantum Well Double-Series-Coupled Microring Resonators. , 2013, , .		0
179	Maximum number of transmission channels in mode division multiplexing fibers. , 2013, , .		0
180	Thermo-Optically Controlled Silicon Microring Resonator Mach-Zehnder Modulator with Cascaded and Push-Pull Microring Configuration. , 2013, , .		0

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181	Scaling of Space Division Multiplexed Transmission Using Heterogeneous Single-mode and Few mode Multi-core Fibers. , 2014, , .		0
182	Design of Fourth-Order Series Coupled Microring Filter on Chebyshev Filter Condition. IEICE Transactions on Electronics, 2016, E99.C, 235-241.	0.3	0
183	Passive waveguide device technologies - building block of functionality and integration -. , 2017, , .		0