

Tetstiya Tetsuya Mizumoto

List of Publications by Year in descending order

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276
papers

3,612
citations

136950

32
h-index

161849

54
g-index

277
all docs

277
docs citations

277
times ranked

1596
citing authors

#	ARTICLE	IF	CITATIONS
1	Small magnetless integrated optical isolator using a magnetized cobalt ferrite film. IEICE Electronics Express, 2022, 19, 20210500-20210500.	0.8	2
2	TE-mode magneto-optical isolator based on an asymmetric microring resonator under a unidirectional magnetic field. Optics Express, 2022, 30, 9934.	3.4	5
3	Light-induced Thermomagnetic Recording of Ferromagnetic Thin-film on Silicon Waveguide for Solid-State Magneto-Optical Memory. , 2022, , .		0
4	Light-induced thermomagnetic recording of thin-film magnet CoFeB on silicon waveguide for on-chip magneto-optical memory. Optics Express, 2022, 30, 18054.	3.4	7
5	4-Bit All-Optical Serial-to-Parallel Converter With Sub-dB/cm Delay Lines Based on Rib Waveguides. Journal of Lightwave Technology, 2021, 39, 6524-6530.	4.6	2
6	Polarization coupler for polarization-rotating Mach-Zehnder interferometer. IEICE Electronics Express, 2021, 18, 20210176-20210176.	0.8	2
7	Mode-evolution-based TE mode magneto-optical isolator using asymmetric adiabatic tapered waveguides. Optics Express, 2021, 29, 22838.	3.4	5
8	Design of ultra-compact TE mode ring optical isolator using a cobalt ferrite film for silicon photonic integrated circuits. Japanese Journal of Applied Physics, 2021, 60, 092003.	1.5	0
9	Tunable Mode Converter Based on Mach-Zehnder Interferometer. , 2021, , .		1
10	Integrated polarization-independent optical isolators and circulators on an InP membrane on silicon platform. Optica, 2021, 8, 1654.	9.3	11
11	MZI-based all-optical serial-to-parallel conversion circuit by free-carrier dispersion effect. Japanese Journal of Applied Physics, 2020, 59, 012003.	1.5	3
12	Giant Faraday rotation of cobalt ferrite thin films deposited on silicon substrates for silicon photonic nonreciprocal device applications. Applied Physics Express, 2020, 13, 062002.	2.4	6
13	All-Optical Switch by Light-to-Heat Conversion in Metal Deposited Si Ring Resonator. IEEE Photonics Technology Letters, 2020, 32, 807-810.	2.5	5
14	Nonvolatile magneto-optical switches integrated with a magnet stripe array. Optics Express, 2020, 28, 31675.	3.4	34
15	All-optical serial-to-parallel converter based on nonlinear effects in silicon microring resonators. IEICE Electronics Express, 2020, 17, 20200227-20200227.	0.8	1
16	Magneto-optical Devices for Silicon Photonics. , 2020, , .		0
17	Magneto-optical isolator and self-holding optical switch integrated with thin-film magnet. , 2020, , .		0
18	On-chip Optical Isolators. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Magneto-Optical Microring Switch Based on Amorphous Silicon-on-Garnet Platform for Photonic Integrated Circuits. IEICE Transactions on Electronics, 2020, E103.C, 645-652.	0.6	2
20	Wavelength-tunable operation of magneto-optical switch consisting of amorphous silicon microring resonator on garnet. Japanese Journal of Applied Physics, 2019, 58, 072006.	1.5	5
21	Efficient Light-to-Heat Conversion by Optical Absorption of a Metal on an Si Microring Resonator. Journal of Lightwave Technology, 2019, 37, 2223-2231.	4.6	10
22	Broadband TE Optical Isolators and Circulators in Silicon Photonics Through Ce:YIG Bonding. Journal of Lightwave Technology, 2019, 37, 1463-1473.	4.6	39
23	Silicon Waveguide Optical Isolator with Directly Bonded Magneto-Optical Garnet. Applied Sciences (Switzerland), 2019, 9, 609.	2.5	25
24	All-Optical Serial-to-Parallel Conversion by Free-Carrier Dispersion Effect in Silicon MZI. , 2019, , .		0
25	Cobalt Ferrite Films Deposited on Silicon with Magnesium Oxide Buffer Layer for Silicon Photonics Magneto-optic Devices. , 2019, , .		0
26	Magneto-Optical Microring Switch of Amorphous Silicon Waveguide on Garnet. , 2019, , .		0
27	Light-to-heat conversion by optical absorption in a Si microring resonator. , 2019, , .		0
28	Self-Holding Magneto-Optical Switch Integrated With Thin-Film Magnet. IEEE Photonics Technology Letters, 2018, 30, 371-374.	2.5	11
29	Integrated Optical Isolator and Circulator in Silicon Photonics. , 2018, , .		3
30	Widely Tunable Ce:YIG on Si Microring Isolators for TE Mode Operation. , 2018, , .		0
31	Waveguide magneto-optical devices for photonics integrated circuits [Invited]. Optical Materials Express, 2018, 8, 2387.	3.0	50
32	Low-loss waveguide optical isolator with tapered mode converter and magneto-optical phase shifter for TE mode input. Optics Express, 2018, 26, 21271.	3.4	21
33	Optical nonreciprocal devices for silicon photonics using wafer-bonded magneto-optical garnet materials. MRS Bulletin, 2018, 43, 419-424.	3.5	35
34	Optical Nonreciprocal Devices Fabricated with Directly Bonded Magneto-Optical Garnet. , 2018, , .		0
35	Self-Holding Operation of Magneto-Optical Switch using Thin-Film Magnet. , 2018, , .		0
36	TE Mode Input Operation of Waveguide Optical Isolator with Tapered Mode Converter and Magneto-Optical Phase Shifter. , 2018, , .		0

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37	Microring-Based Optical Isolator and Circulator with Integrated Electromagnet for Silicon Photonics. Journal of Lightwave Technology, 2017, 35, 1429-1437.	4.6	73
38	Mach-Zehnder wavelength selective switch embedded with microring resonators. Japanese Journal of Applied Physics, 2017, 56, 022201.	1.5	10
39	Silicon waveguide michelson interferometer for multi-wavelength modulator. , 2017, , .		1
40	Integrated Widely Tunable Broadband Optical Isolator in Silicon Photonics. , 2017, , .		1
41	Proposal of Si waveguide optical isolator based on nonreciprocal TE-TM mode conversion using magneto-optical phase shift for TM mode. , 2017, , .		0
42	Dynamically reconfigurable integrated optical circulators. Optica, 2017, 4, 23.	9.3	81
43	Amorphous-Si waveguide on a garnet magneto-optical isolator with a TE mode nonreciprocal phase shift. Optics Express, 2017, 25, 452.	3.4	33
44	Integrated broadband Ce:YIG/Si Mach-Zehnder optical isolators with over 100nm tuning range. Optics Letters, 2017, 42, 4901.	3.3	45
45	Heterogeneous Silicon Optical Isolators and Circulators. , 2017, , .		0
46	Magneto-Optical Nonreciprocal Devices for Silicon Photonics. , 2017, , .		0
47	Novel a-Si on Garnet Nonreciprocal Phase Shift Optical Isolator with TE Mode Operation. , 2017, , .		0
48	Magneto-optical nonreciprocal devices on silicon. , 2016, , .		0
49	Magneto-optical switch with amorphous silicon waveguides on magneto-optical garnet. Japanese Journal of Applied Physics, 2016, 55, 088002.	1.5	7
50	Silicon on-chip wavelength-selective switch composed of Mach-Zehnder-interferometer-based switches and microring resonators. Japanese Journal of Applied Physics, 2016, 55, 068001.	1.5	3
51	Electrically Driven and Thermally Tunable Integrated Optical Isolators for Silicon Photonics. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 271-278.	2.9	72
52	Carrier lifetime measurement in a microcrystalline silicon wire waveguide. , 2016, , .		1
53	Silicon Waveguide Optical Isolator Operating for TE Mode Input Light. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 264-270.	2.9	26
54	Athermal Operation of a Waveguide Optical Isolator Based on Canceling Phase Deviations in a Mach-Zehnder Interferometer. Journal of Lightwave Technology, 2016, 34, 1699-1705.	4.6	25

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55	Optical nonreciprocal devices based on magneto-optical phase shift in silicon photonics. Journal of Optics (United Kingdom), 2016, 18, 013001.	2.2	46
56	Reconfigurable integrated optical circulator. , 2016, , .		1
57	Silicon microring isolator with large optical isolation and low loss. , 2016, , .		2
58	Microoptics. Japanese Journal of Applied Physics, 2016, 55, 08R001.	1.5	0
59	Recent progress in optical nonreciprocal devices for silicon photonics. , 2015, , .		0
60	Optical add-drop multiplexer integrating silicon waveguide optical circulators and Bragg reflector. , 2015, , .		0
61	Silicon Waveguide Optical Isolator Integrated with TE-TM Mode Converter. , 2015, , .		1
62	Demonstration of an athermal waveguide optical isolator on silicon platform. , 2015, , .		2
63	Design of optical isolator with strip-loaded waveguide employing nonreciprocal guided-radiation mode conversion. , 2015, , .		0
64	Single-trench waveguide TE-TM mode converter for GaInAsP/InP waveguide optical isolator. , 2015, , .		0
65	Demonstration of magneto-optical switch with amorphous silicon waveguides on magneto-optic garnet. , 2015, , .		0
66	Compact magneto-optical isolator with cobalt ferrite on silicon photonic circuits. Applied Physics Express, 2015, 8, 082201.	2.4	6
67	Optical and Magnetic Microstructures in YIG Ferrite Fabricated by Femtosecond Laser. Journal of Laser Micro Nanoengineering, 2015, 10, 48-52.	0.1	4
68	Optical Nonreciprocal Devices in Silicon Photonics. , 2014, , .		1
69	Magneto-optical non-reciprocal devices in silicon photonics. Science and Technology of Advanced Materials, 2014, 15, 014602.	6.1	153
70	Optical isolator with amorphous silicon waveguide core on magneto-optical garnet. , 2014, , .		0
71	Measurement of Ce:YIG temperature dependence for temperature insensitive silicon waveguide optical isolator. , 2014, , .		1
72	Design of polarization-independent optical isolator with amorphous silicon waveguide. , 2014, , .		0

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73	Three-dimensional nanostructuring in YIG ferrite with femtosecond laser. Optics Letters, 2014, 39, 212.	3.3	10
74	Silicon Mach-Zehnder interferometer optical isolator having 8 nm bandwidth for over 20 dB isolation. Japanese Journal of Applied Physics, 2014, 53, 022202.	1.5	55
75	Silicon waveguide optical nonreciprocal devices based on magneto-optical phase shift. Proceedings of SPIE, 2014, , .	0.8	1
76	Coupling efficiency between laser diode and optical isolator integrated by photosensitive adhesive bonding. , 2014, , .		0
77	Integrated Magneto-Optical Materials and Isolators: A Review. IEEE Photonics Journal, 2014, 6, 1-15.	2.0	236
78	Application of Cobalt Ferrite to an Ultra-Compact Magneto-Optical Isolator on Silicon Photonics Circuits. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2014, 61, S343-S345.	0.2	2
79	Three-dimensional Nanostructuring in YIG Ferrite with Femtosecond Laser. , 2014, , .		0
80	Magneto-optical nonreciprocal devices in silicon waveguides. , 2013, , .		0
81	Optical nonreciprocal devices on silicon waveguide platforms. , 2013, , .		0
82	Over 20-dB isolation with 8-nm bandwidth in silicon MZI optical isolator. , 2013, , .		0
83	Demonstration of a Silicon Waveguide Optical Circulator. IEEE Photonics Technology Letters, 2013, 25, 721-723.	2.5	40
84	Optical Isolator for TE Polarized Light Realized by Adhesive Bonding of Ce:YIG on Silicon-on-Insulator Waveguide Circuits. IEEE Photonics Journal, 2013, 5, 6601108-6601108.	2.0	46
85	The First Demonstration of Silicon Waveguide Optical Circulator. , 2013, , .		1
86	GaInAsP/InP MZI waveguide optical isolator integrated with spot size converter. Optics Express, 2013, 21, 15373.	3.4	25
87	Adhesively bonded Ce:YIG/SOI integrated optical circulator. Optics Letters, 2013, 38, 965.	3.3	51
88	Performance improvement of an Electron-Tracking Compton Camera by a new track reconstruction method. , 2013, , .		3
89	High Isolation in Silicon Waveguide Optical Isolator Employing Nonreciprocal Phase Shift. , 2013, , .		4
90	Electrically-driven Permeability-controlled Optical Modulator using Mach-Zehnder Interferometer with Metamaterial. , 2013, , .		0

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91	Direct Wafer Bonding and Its Application to Waveguide Optical Isolators. <i>Materials</i> , 2012, 5, 985-1004.	2.9	37
92	Ce:YIG/Silicon-on-Insulator waveguide optical isolator realized by adhesive bonding. <i>Optics Express</i> , 2012, 20, 1839.	3.4	125
93	MZI optical isolator with Si-wire waveguides by surface-activated direct bonding. <i>Optics Express</i> , 2012, 20, 18440.	3.4	57
94	GalnAsP mach-zehnder interferometric waveguide optical isolator integrated with spot size converter. , 2012, , .		0
95	Intelligent mission control of robotic underwater vehicles. , 2012, , .		1
96	Si-wire MZI optical isolator fabricated by direct bonding. , 2012, , .		0
97	On-chip optical isolators and silicon photonics. , 2012, , .		0
98	Single trench waveguide TE-TM mode converter fabricated with SiON. , 2012, , .		0
99	Silicon waveguide wavelength-selective switch for on-chip WDM communications. , 2012, , .		3
100	NEWAGE. <i>Journal of Physics: Conference Series</i> , 2012, 375, 012013.	0.4	8
101	EXPERIMENTAL STUDY OF WIDE BAND ELECTROMAGNETIC WAVE ABSORBER PANEL AS BUILDING OUTER WALL FOR PRACTICAL USE. <i>Journal of Environmental Engineering (Japan)</i> , 2012, 77, 45-53.	0.4	0
102	Surface activated bonding of Si/Ce:YIG for waveguide optical isolators. , 2012, , .		3
103	Single Trench SiON Waveguide TE-TM Mode Converter. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1310-1312.	2.5	13
104	Compact Mach-Zehnder Interferometer Ce:YIG/SOI Optical Isolators. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1653-1656.	2.5	28
105	Waveguide Optical Isolators for Integrated Optics. <i>IEEE Journal of Quantum Electronics</i> , 2012, 48, 252-260.	1.9	50
106	Single trench SiON waveguide TE-TM mode converter. , 2012, , .		0
107	Efficiency improvement of SOI waveguide grating for coupling to surface mounted photodetector. , 2011, , .		0
108	Ce:YIG/SOI optical isolator realized by BCB bonding. , 2011, , .		5

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109	Silicon ring isolators with bonded nonreciprocal magneto-optic garnets. Optics Express, 2011, 19, 11740.	3.4	202
110	Polarization insensitive Grating Coupler for Lightwave Coupling between Silicon Nanophotonic Waveguide and Surface Mounted Photodetector. , 2011, , .		0
111	GaInAsP/InP waveguide dual core spot size converter for optical fiber. , 2011, , .		3
112	SOI Waveguide Optical Nonreciprocal Devices with Directly Bonded Garnet. Materials Research Society Symposia Proceedings, 2011, 1291, 1.	0.1	0
113	Application of Wafer Direct Bonding Technique to Optical Nonreciprocal Devices. IEEE Photonics Journal, 2011, 3, 588-596.	2.0	1
114	Application of wafer direct bonding technology to optical nonreciprocal devices. , 2011, , .		0
115	Nonreciprocal Polarization Conversion in Asymmetric Magneto-optic Waveguide. IEEE Journal of Quantum Electronics, 2010, 46, 1662-1669.	1.9	21
116	Effects of Wafer Pre-cleaning and Plasma Irradiation to Wafer Surfaces on Plasma-Assisted Surface-Activated Direct Bonding. Japanese Journal of Applied Physics, 2010, 49, 086204.	1.5	20
117	Design and Simulation of Silicon Waveguide Optical Circulator Employing Nonreciprocal Phase Shift. Japanese Journal of Applied Physics, 2010, 49, 052203.	1.5	26
118	Efficient TE-TM mode conversion in a GaInAsP single-trench waveguide. , 2009, , .		0
119	Silicon waveguide optical circulator employing nonreciprocal phase shift. , 2009, , .		2
120	Relaxation of Thermal Stress in Direct Bonding by Partitioning the Bonding Area for Fabrication of Optical Isolator with Semiconductor Guiding Layer. Japanese Journal of Applied Physics, 2009, 48, 112401.	1.5	4
121	Single-trench waveguide TE-TM mode converter. Optics Express, 2009, 17, 11267.	3.4	60
122	Integrated magneto-optic isolators: Problems and solutions. , 2009, , .		0
123	Optical Isolator with SOI Waveguide. , 2009, , .		0
124	Single Trench GaInAsP Waveguide Mode Converter. , 2009, , .		0
125	Wide-Band Electromagnetic Wave Absorber Panel for Multipath Interference Reduction in Urban Areas. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2009, 63, 1659-1666.	0.1	1
126	DFB Waveguide All-Optical Switching Devices Employing Pump-Induced Refractive Index Change in GaInAsP. Advanced Materials Research, 2008, 31, 206-208.	0.3	1

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127	Optical isolator with TiO ₂ /magnetic garnet waveguide employing nonreciprocal phase shift. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 3373-3375.	0.8	0
128	Reduction of second-order intermodulation distortions using chirped fiber Bragg gratings with low group delay ripples for application to fiber-optic analog transmission. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 1442.	2.1	0
129	Room-temperature direct bonding for integrated optical devices. , 2008, , .		0
130	Optical isolators for integrated optics. , 2008, , .		0
131	Optical isolator for silicon-on-insulator circuits. , 2008, , .		0
132	Magneto-optical isolator with SOI waveguide. , 2008, , .		0
133	Optical mode converter with single-trench waveguide. , 2008, , .		0
134	Waveguide optical isolators fabricated by direct bonding. , 2008, , .		0
135	Magneto-optical isolator with silicon waveguides fabricated by direct bonding. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	284
136	Waveguide Optical Isolators for Integrated Optics. , 2008, , .		0
137	Optical isolator for silicon-on-insulator circuits. , 2008, , .		0
138	All-Optical Transistor Operation Based on Bistability Principle in Nonlinear DFB GaInAsP-InP Waveguide: A Transient Perspective. , 2008, , .		0
139	Integrated waveguide optical isolators : Principle and history. , 2008, , .		0
140	Elimination of Back-Reflected Transverse Electric Mode in Transverse-Magnetic-Mode Optical Isolator with Si Guiding Layer. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 6679-6681.	1.5	0
141	Semi-leaky waveguide optical isolator. , 2007, , .		2
142	Low Temperature O ₂ Plasma-Assisted Wafer Bonding of InP and a Garnet Crystal for an Optical Waveguide Isolator. <i>Solid State Phenomena</i> , 2007, 124-126, 475-478.	0.3	3
143	Demonstration of Interferometric Waveguide Optical Isolator with a Unidirectional Magnetic Field. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 5460.	1.5	8
144	All-optical transistor operation based on the bistability principle in nonlinear distributed feedback GaInAsP-InP waveguide: a transient perspective. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 1584.	2.1	5

#	ARTICLE	IF	CITATIONS
145	Ultra-wideband design of waveguide magneto-optical isolator operating in 1311¼m and 1551¼m band. Optics Express, 2007, 15, 639.	3.4	44
146	Wideband operation of Mach-Zehnder interferometric magneto-optical isolator using phase adjustment. Optics Express, 2007, 15, 13446.	3.4	21
147	Modeling of Multi-Input Arrayed Waveguide Grating and Its Application to Design of Flat-Passband Response Using Cascaded Mach-Zehnder Interferometers. Journal of Lightwave Technology, 2007, 25, 544-555.	4.6	15
148	Demonstration of Flat-Passband Multi/Demultiplexer Using Multi-Input Arrayed Waveguide Grating Combined With Cascaded Mach-Zehnder Interferometers. Journal of Lightwave Technology, 2007, 25, 2187-2197.	4.6	31
149	Polarization-Independent Magneto-Optical Waveguide Isolator Using TM-Mode Nonreciprocal Phase Shift. Journal of Lightwave Technology, 2007, 25, 3108-3113.	4.6	39
150	Room-Temperature Direct Bonding for Integrated Optical Devices. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	2
151	Ultra-wideband design of a magneto-optical isolator operating in 1.31µm and 1.5 µm. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
152	Wideband design of nonreciprocal phase shift magneto-optical isolators using phase adjustment in Mach-Zehnder interferometers. Applied Optics, 2006, 45, 7144.	2.1	23
153	Integration of optical isolators and semiconductor lasers by wafer bonding. , 2006, 6352, 554.		0
154	Spot-size converter using vertical ridge taper for low fibre-coupling loss in 2.5%- silica waveguides. Electronics Letters, 2006, 42, 219.	1.0	10
155	Nonlinear Optical Properties in GaInAsP/InP Waveguides below the Band-gap Wavelength. Japanese Journal of Applied Physics, 2006, 45, 2612-2617.	1.5	1
156	Wafer bonding between InP and Ce:YIG(CeY ₂ Fe ₅ O ₁₂) using O ₂ plasma surface activation for an integrated optical waveguide isolator. , 2006, , .		0
157	Coupling Characteristics of Three-guide Tapered Coupler for Interferometric Optical Isolator with Si Guiding Layer. , 2006, , .		0
158	Wideband Operation of Magneto-Optical Isolator with Phase Adjusted Mach-Zehnder Interferometer. , 2006, , .		1
159	Coupling Characteristics of Three-Guide Tapered Coupler for Optical Isolator with Si Guiding Layer. Japanese Journal of Applied Physics, 2006, 45, 6323-6325.	1.5	0
160	Waveguide Optical Isolator Integratable to Photonic Devices. , 2006, , .		0
161	An integrated optical waveguide isolator based on multimode interference by wafer direct bonding. IEEE Transactions on Magnetics, 2005, 41, 3520-3522.	2.1	16
162	All-optical inverting response in a GaInAsP/InP DFB waveguide. , 2005, , .		0

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163	2.5%-/spl Delta/ silica-based athermal arrayed waveguide grating employing spot-size converters based on segmented core. IEEE Photonics Technology Letters, 2005, 17, 2325-2327.	2.5	34
164	All Optical Switching in GaInAsP/InP DFB Waveguides. , 2005, , .		0
165	Calculation of Nonreciprocal Phase Shift in Magneto-optic Waveguide with Si Guiding Layer. Japanese Journal of Applied Physics, 2004, 43, 5871-5874.	1.5	12
166	Investigation of Nonreciprocal Characteristics and Design of Interferometric Optical Isolator with Multimode Interference Coupler Operating with a Unidirectional Magnetic Field. Japanese Journal of Applied Physics, 2004, 43, 7045-7049.	1.5	4
167	Fabrication of Semiconductor Laser for Integration with Optical Isolator. Japanese Journal of Applied Physics, 2004, 43, 1388-1392.	1.5	4
168	Enhancement of Magneto Optic Effect in Optical Isolator with GaInAsP Guiding Layer by Selective Oxidation of AlInAs. Japanese Journal of Applied Physics, 2004, 43, 590-593.	1.5	2
169	Measurement of Pump-Induced Absorption and Refractive Index Changes in GaInAsP/InP Waveguides Using an Optical Loop Mirror Interferometer. Japanese Journal of Applied Physics, 2004, 43, 5800-5804.	1.5	1
170	Waveguide Optical Isolators Fabricated by Wafer Bonding. Materials Research Society Symposia Proceedings, 2004, 834, 151.	0.1	4
171	Interferometric optical isolator employing a nonreciprocal phase shift operated in a unidirectional magnetic field. Applied Optics, 2004, 43, 4745.	2.1	10
172	Optical Nonreciprocal Devices with a Silicon Guiding Layer Fabricated by Wafer Bonding. Applied Optics, 2003, 42, 6605.	2.1	61
173	All-Optical Wavelength Conversion in a GaInAsP/InP Optical Gate Loaded with a Bragg Reflector. Applied Optics, 2003, 42, 6672.	2.1	2
174	Surface Micromachining in Optical Isolator with Semiconductor Guiding Layer for Enhancement of Magneto-optic Effect. Japanese Journal of Applied Physics, 2003, 42, 5094-5097.	1.5	2
175	Integration of a waveguide optical isolator with a semiconductor laser. , 2003, , .		0
176	Enhancement of Magneto-Optic Effect in Magneto-Optic Waveguide with Low Refractive Index Undercladding Layer. , 2003, , .		0
177	Nonreciprocal TE-TM mode converter with semiconductor guiding layer. Electronics Letters, 2002, 38, 1670.	1.0	14
178	Elimination of a back-reflected TE mode in a TM-mode optical isolator with a Mach-Zehnder interferometer. Applied Optics, 2002, 41, 7045.	2.1	3
179	Polarization-independent all-optical switching in a nonlinear GaInAsP-InP high-mesa waveguide with a vertically etched Bragg reflector. IEEE Journal of Quantum Electronics, 2002, 38, 706-715.	1.9	18
180	Surface Micromachining in Optical Isolator Employing Nonreciprocal Radiation Mode Conversion. , 2002, , .		0

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181	Dependence of threshold switching power on the control-light wavelength in a nonlinear distributed-feedback GaInAsP waveguide. Applied Optics, 2001, 40, 6042.	2.1	6
182	A packet header recognition assigning the position of a signal in the time axis and its application to all-optical self-routing. Journal of Lightwave Technology, 2001, 19, 1076-1084.	4.6	16
183	Selective oxidation for enhancement of magneto-optic effect in optical isolator with semiconductor guiding layer. Electronics Letters, 2001, 37, 240.	1.0	5
184	Wafer Bonding between Magnetic Garnet and Lithium Niobate for Semi-Leaky Isolator. Materials Research Society Symposia Proceedings, 2001, 681, 1.	0.1	1
185	Polarisation insensitive deep-ridge vertical-groove DFB waveguide for all-optical switching. Electronics Letters, 2001, 37, 1387.	1.0	9
186	Integration of Terraced Laser Diode and Garnet Crystals by Wafer Direct Bonding. Japanese Journal of Applied Physics, 2001, 40, 3463-3467.	1.5	2
187	Deep-ridge distributed feedback waveguide for polarisation independent all-optical switching. Electronics Letters, 2001, 37, 498.	1.0	13
188	Effect of gap between ferrite tiles on ferrite electromagnetic wave absorbers. Electronics and Communications in Japan, 2000, 83, 52-60.	0.2	0
189	Demonstration of an optical isolator with a semiconductor guiding layer that was obtained by use of a nonreciprocal phase shift. Applied Optics, 2000, 39, 6158.	2.1	112
190	GaInAsP-InP distributed feedback waveguides for all-optical switching. IEEE Journal of Selected Topics in Quantum Electronics, 2000, 6, 143-149.	2.9	13
191	Direct Bonding between Quaternary Compound Semiconductor and Garnet Crystals for Integrated Optical Isolator. Japanese Journal of Applied Physics, 1999, 38, 195-197.	1.5	11
192	All-optical bistable switching in nonlinear directional coupler loaded with Bragg reflector. Electronics Letters, 1999, 35, 1243.	1.0	11
193	Selective-Area Growth of Magnetic Garnet Crystals by Liquid-Phase Epitaxy and Its Application to Waveguide Devices. Japanese Journal of Applied Physics, 1999, 38, 4847-4851.	1.5	2
194	Address recognition and generation of switching control signal for all-optical routing. Optical Engineering, 1999, 38, 1848.	1.0	2
195	Analysis of GaInAsP Surfaces by Contact-Angle Measurement for Wafer Direct Bonding with Garnet Crystals. Japanese Journal of Applied Physics, 1999, 38, 4780-4783.	1.5	19
196	Feasibility of integrated optical isolator with semiconductor guiding layer fabricated by wafer direct bonding. IEE Proceedings: Optoelectronics, 1999, 146, 105-110.	0.8	8
197	Wafer surface treatment for integrating laser diode and optical isolator by direct bonding. , 1999, , .		0
198	Demonstration of all-optical threshold operation in GaInAsP distributed feedback waveguides and its application to AND gate. , 1999, , .		0

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199	All-optical switching in a distributed-feedback GaInAsP waveguide. Applied Optics, 1999, 38, 3911.	2.1	16
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