

# 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	Magneto-optical isolator with silicon waveguides fabricated by direct bonding. Applied Physics Letters, 2008, 92, .	3.3	284
2	Integrated Magneto-Optical Materials and Isolators: A Review. IEEE Photonics Journal, 2014, 6, 1-15.	2.0	236
3	Silicon ring isolators with bonded nonreciprocal magneto-optic garnets. Optics Express, 2011, 19, 11740.	3.4	202
4	Magneto-optical non-reciprocal devices in silicon photonics. Science and Technology of Advanced Materials, 2014, 15, 014602.	6.1	153
5	Ce:YIG/Silicon-on-Insulator waveguide optical isolator realized by adhesive bonding. Optics Express, 2012, 20, 1839.	3.4	125
6	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
7	Dynamically reconfigurable integrated optical circulators. Optica, 2017, 4, 23.	9.3	81
8	Microring-Based Optical Isolator and Circulator with Integrated Electromagnet for Silicon Photonics. Journal of Lightwave Technology, 2017, 35, 1429-1437.	4.6	73
9	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
10	Optical Nonreciprocal Devices with a Silicon Guiding Layer Fabricated by Wafer Bonding. Applied Optics, 2003, 42, 6605.	2.1	61
11	Nonreciprocal Propagation Characteristics of YIG Thin Film. IEEE Transactions on Microwave Theory and Techniques, 1982, 30, 922-925.	4.6	60
12	Measurement of optical nonreciprocal phase shift in a bi-substituted Gd <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> film and application to waveguide-type optical circulator. Journal of Lightwave Technology, 1986, 4, 347-352.	4.6	60
13	Single-trench waveguide TE-TM mode converter. Optics Express, 2009, 17, 11267.	3.4	60
14	MZI optical isolator with Si-wire waveguides by surface-activated direct bonding. Optics Express, 2012, 20, 18440.	3.4	57
15	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
16	Adhesively bonded Ce:YIG/SOI integrated optical circulator. Optics Letters, 2013, 38, 965.	3.3	51
17	Waveguide Optical Isolators for Integrated Optics. IEEE Journal of Quantum Electronics, 2012, 48, 252-260.	1.9	50
18	Waveguide magneto-optical devices for photonics integrated circuits [Invited]. Optical Materials Express, 2018, 8, 2387.	3.0	50

#	ARTICLE	IF	CITATIONS
19	In-plane magnetized rare earth iron garnet for a waveguide optical isolator employing nonreciprocal phase shift. IEEE Transactions on Magnetics, 1993, 29, 3417-3419.	2.1	47
20	Proposed configuration of integrated optical isolator employing wafer-direct bonding technique. Electronics Letters, 1997, 33, 1787.	1.0	46
21	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
22	Optical nonreciprocal devices based on magneto-optical phase shift in silicon photonics. Journal of Optics (United Kingdom), 2016, 18, 013001.	2.2	46
23	Integrated broadband Ce:YIG/Si Mach-Zehnder optical isolators with over 100-nm tuning range. Optics Letters, 2017, 42, 4901.	3.3	45
24	Ultra-wideband design of waveguide magneto-optical isolator operating in 1310-nm and 1550-nm band. Optics Express, 2007, 15, 639.	3.4	44
25	All-optical set-reset operation in a distributed feedback GaInAsP waveguide. IEEE Photonics Technology Letters, 1998, 10, 78-80.	2.5	40
26	Demonstration of a Silicon Waveguide Optical Circulator. IEEE Photonics Technology Letters, 2013, 25, 721-723.	2.5	40
27	Polarization-Independent Magneto-Optical Waveguide Isolator Using TM-Mode Nonreciprocal Phase Shift. Journal of Lightwave Technology, 2007, 25, 3108-3113.	4.6	39
28	Broadband TE Optical Isolators and Circulators in Silicon Photonics Through Ce:YIG Bonding. Journal of Lightwave Technology, 2019, 37, 1463-1473.	4.6	39
29	Direct Wafer Bonding and Its Application to Waveguide Optical Isolators. Materials, 2012, 5, 985-1004.	2.9	37
30	Verification of waveguide type optical circulator operation. Electronics Letters, 1990, 26, 199.	1.0	36
31	Demonstration of an optical isolator by use of a nonreciprocal phase shift. Applied Optics, 1999, 38, 7409.	2.1	36
32	Optical nonreciprocal devices for silicon photonics using wafer-bonded magneto-optical garnet materials. MRS Bulletin, 2018, 43, 419-424.	3.5	35
33	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
34	Nonvolatile magneto-optical switches integrated with a magnet stripe array. Optics Express, 2020, 28, 31675.	3.4	34
35	Amorphous-Si waveguide on a garnet magneto-optical isolator with a TE mode nonreciprocal phase shift. Optics Express, 2017, 25, 452.	3.4	33
36	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

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37	Direct bonding between InP and rare earth iron garnet grown on Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> substrate by liquid phase epitaxy. <i>Electronics Letters</i> , 1995, 31, 1612-1613.	1.0	28
38	Compact Mach-Zehnder Interferometer Ce:YIG/SOI Optical Isolators. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1653-1656.	2.5	28
39	Design and Simulation of Silicon Waveguide Optical Circulator Employing Nonreciprocal Phase Shift. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 052203.	1.5	26
40	Silicon Waveguide Optical Isolator Operating for TE Mode Input Light. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 264-270.	2.9	26
41	GalnAsP/InP MZI waveguide optical isolator integrated with spot size converter. <i>Optics Express</i> , 2013, 21, 15373.	3.4	25
42	Athermal Operation of a Waveguide Optical Isolator Based on Canceling Phase Deviations in a Mach-Zehnder Interferometer. <i>Journal of Lightwave Technology</i> , 2016, 34, 1699-1705.	4.6	25
43	Silicon Waveguide Optical Isolator with Directly Bonded Magneto-Optical Garnet. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 609.	2.5	25
44	Wideband design of nonreciprocal phase shift magneto-optical isolators using phase adjustment in Mach-Zehnder interferometers. <i>Applied Optics</i> , 2006, 45, 7144.	2.1	23
45	Wideband operation of Mach-Zehnder interferometric magneto-optical isolator using phase adjustment. <i>Optics Express</i> , 2007, 15, 13446.	3.4	21
46	Nonreciprocal Polarization Conversion in Asymmetric Magneto-optic Waveguide. <i>IEEE Journal of Quantum Electronics</i> , 2010, 46, 1662-1669.	1.9	21
47	Low-loss waveguide optical isolator with tapered mode converter and magneto-optical phase shifter for TE mode input. <i>Optics Express</i> , 2018, 26, 21271.	3.4	21
48	Effects of Wafer Precleaning and Plasma Irradiation to Wafer Surfaces on Plasma-Assisted Surface-Activated Direct Bonding. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 086204.	1.5	20
49	The equivalent representation of pyramidal absorbers and its application to the analysis of electromagnetic wave absorber's characteristics. , 0, , .		19
50	Analysis of GalnAsP Surfaces by Contact-Angle Measurement for Wafer Direct Bonding with Garnet Crystals. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 4780-4783.	1.5	19
51	An effective method for coupling single-mode fiber to thin-film waveguide. <i>Journal of Lightwave Technology</i> , 1991, 9, 577-583.	4.6	18
52	Polarization-independent all-optical switching in a nonlinear GalnAsP-InP highmesa waveguide with a vertically etched Bragg reflector. <i>IEEE Journal of Quantum Electronics</i> , 2002, 38, 706-715.	1.9	18
53	Analysis of the coupling characteristics of a tapered coupled waveguide system. <i>Journal of Lightwave Technology</i> , 1990, 8, 90-98.	4.6	17
54	Improved Heat Treatment for Wafer Direct Bonding between Semiconductors and Magnetic Garnets. <i>Japanese Journal of Applied Physics</i> , 1997, 36, 2784-2787.	1.5	17

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55	Analysis of the coupling characteristics of a tapered three-guide coupled system. Journal of Lightwave Technology, 1990, 8, 1621-1629.	4.6	16
56	All-optical address extraction for optical routing. Journal of Lightwave Technology, 1998, 16, 1129-1136.	4.6	16
57	All-optical switching in a distributed-feedback GaInAsP waveguide. Applied Optics, 1999, 38, 3911.	2.1	16
58	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
59	An integrated optical waveguide isolator based on multimode interference by wafer direct bonding. IEEE Transactions on Magnetics, 2005, 41, 3520-3522.	2.1	16
60	Double-layered magneto-optic channel waveguide for waveguide isolator application. Journal of Lightwave Technology, 1990, 8, 177-182.	4.6	15
61	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
62	Dependence of the output phase difference on the asymmetry of 3-dB directional couplers. Journal of Lightwave Technology, 1990, 8, 1571-1576.	4.6	14
63	Nonreciprocal TE-TM mode converter with semiconductor guiding layer. Electronics Letters, 2002, 38, 1670.	1.0	14
64	Electromagnetic wave absorbing properties of carbon-rubber doped with ferrite. Electronics and Communications in Japan, 1988, 71, 77-83.	0.2	13
65	GaInAsP-InP distributed feedback waveguides for all-optical switching. IEEE Journal of Selected Topics in Quantum Electronics, 2000, 6, 143-149.	2.9	13
66	Single Trench SiON Waveguide TE-TM Mode Converter. IEEE Photonics Technology Letters, 2012, 24, 1310-1312.	2.5	13
67	Deep-ridge distributed feedback waveguide for polarisation independent all-optical switching. Electronics Letters, 2001, 37, 498.	1.0	13
68	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
69	Direct Bonding between InP and $\text{Gd}_3\text{Ga}_5\text{O}_{12}$ for Integrating Semiconductor and Magneto-optic Devices. Japanese Journal of Applied Physics, 1995, 34, 510-514.	1.5	11
70	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
71	All-optical bistable switching in nonlinear directional coupler loaded with Bragg reflector. Electronics Letters, 1999, 35, 1243.	1.0	11
72	Self-Holding Magneto-Optical Switch Integrated With Thin-Film Magnet. IEEE Photonics Technology Letters, 2018, 30, 371-374.	2.5	11

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73	Integrated polarization-independent optical isolators and circulators on an InP membrane on silicon platform. <i>Optica</i> , 2021, 8, 1654.	9.3	11
74	Crystal Growth of InP on a Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> Substrate by Organometallic Chemical Vapor Deposition. <i>Japanese Journal of Applied Physics</i> , 1990, 29, 53-57.	1.5	10
75	Improved perturbation feedback method for the analysis of rectangular dielectric waveguides. <i>Journal of Lightwave Technology</i> , 1991, 9, 1231-1237.	4.6	10
76	Demonstration of direct bonding between InP and gadolinium gallium garnet (Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> ) substrates. <i>Electronics Letters</i> , 1994, 30, 1534-1536.	1.0	10
77	Interferometric optical isolator employing a nonreciprocal phase shift operated in a unidirectional magnetic field. <i>Applied Optics</i> , 2004, 43, 4745.	2.1	10
78	Spot-size converter using vertical ridge taper for low fibre-coupling loss in 2.5%- silica waveguides. <i>Electronics Letters</i> , 2006, 42, 219.	1.0	10
79	Three-dimensional nanostructuring in YIG ferrite with femtosecond laser. <i>Optics Letters</i> , 2014, 39, 212.	3.3	10
80	Mach-Zehnder wavelength selective switch embedded with microring resonators. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 022201.	1.5	10
81	Efficient Light-to-Heat Conversion by Optical Absorption of a Metal on an Si Microring Resonator. <i>Journal of Lightwave Technology</i> , 2019, 37, 2223-2231.	4.6	10
82	Polarisation insensitive deep-ridge vertical-groove DFB waveguide for all-optical switching. <i>Electronics Letters</i> , 2001, 37, 1387.	1.0	9
83	Analysis of the pyramid electromagnetic wave absorber—an approximated model and its application of TE wave. <i>Electronics and Communications in Japan</i> , 1995, 78, 33-42.	0.1	8
84	Design of wavelength-flattened coupler using a novel diagram. <i>Journal of Lightwave Technology</i> , 1996, 14, 2677-2683.	4.6	8
85	Feasibility of integrated optical isolator with semiconductor guiding layer fabricated by wafer direct bonding. <i>IEE Proceedings: Optoelectronics</i> , 1999, 146, 105-110.	0.8	8
86	Development of wide-band ferrite fin electromagnetic wave absorber panel for building wall. , 0, , .		8
87	Demonstration of Interferometric Waveguide Optical Isolator with a Unidirectional Magnetic Field. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 5460.	1.5	8
88	NEWAGE. <i>Journal of Physics: Conference Series</i> , 2012, 375, 012013.	0.4	8
89	Analytical and experimental study of waveguide optical polarization splitter with Langmuir-Blodgett cladding layer. <i>Journal of Lightwave Technology</i> , 1992, 10, 1807-1813.	4.6	7
90	Loss Increase of (LuNdBi) <sub>3</sub> (FeAl) <sub>5</sub> O <sub>12</sub> Films Caused by Sputter Etching. <i>Japanese Journal of Applied Physics</i> , 1994, 33, 6355-6359.	1.5	7

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91	Direct Bonding between InP Substrate and Magneto-optic Waveguides. Japanese Journal of Applied Physics, 1996, 35, 4138-4140.	1.5	7
92	Magneto-optical switch with amorphous silicon waveguides on magneto-optical garnet. Japanese Journal of Applied Physics, 2016, 55, 088002.	1.5	7
93	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
94	Perturbation feedback method for analysing rectangular dielectric waveguides. Electronics Letters, 1990, 26, 521.	1.0	6
95	Weighted distributed feedback structure for all-optical bistable devices. Applied Optics, 1996, 35, 1507.	2.1	6
96	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
97	Compact magneto-optical isolator with cobalt ferrite on silicon photonic circuits. Applied Physics Express, 2015, 8, 082201.	2.4	6
98	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
99	A novel 1*8 optical power splitter using tapered waveguide coupling. IEEE Photonics Technology Letters, 1991, 3, 162-163.	2.5	5
100	Growth of GaInSb on Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> Substrate by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 1993, 32, 5637-5641.	1.5	5
101	Wide-band characteristics of fin ferrite electromagnetic wave absorber. Electronics and Communications in Japan, 1994, 77, 68-75.	0.1	5
102	Widening the bandwidth of ferrite electromagnetic wave absorbers by attaching rubber ferrite. Electronics and Communications in Japan, 1994, 77, 76-86.	0.1	5
103	Selective oxidation for enhancement of magneto-optic effect in optical isolator with semiconductor guiding layer. Electronics Letters, 2001, 37, 240.	1.0	5
104	All-optical transistor operation based on the bistability principle in nonlinear distributed feedback GaInAsP-InP waveguide: a transient perspective. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1584.	2.1	5
105	Ce:YIG/SOI optical isolator realized by BCB bonding. , 2011, , .		5
106	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
107	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
108	Mode-evolution-based TE mode magneto-optical isolator using asymmetric adiabatic tapered waveguides. Optics Express, 2021, 29, 22838.	3.4	5

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109	TE-mode magneto-optical isolator based on an asymmetric microring resonator under a unidirectional magnetic field. Optics Express, 2022, 30, 9934.	3.4	5
110	Characteristics of grid ferrite electromagnetic wave absorber. Electronics and Communications in Japan, 1994, 77, 106-115.	0.1	4
111	Analysis of semi-anechoic chamber using ray-tracing technique. , 0, , .		4
112	Demonstration of all-optical AND gate operation in a GaInAsP waveguide. , 0, , .		4
113	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
114	Fabrication of Semiconductor Laser for Integration with Optical Isolator. Japanese Journal of Applied Physics, 2004, 43, 1388-1392.	1.5	4
115	Waveguide Optical Isolators Fabricated by Wafer Bonding. Materials Research Society Symposia Proceedings, 2004, 834, 151.	0.1	4
116	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
117	High Isolation in Silicon Waveguide Optical Isolator Employing Nonreciprocal Phase Shift. , 2013, , .		4
118	Optical and Magnetic Microstructures in YIG Ferrite Fabricated by Femtosecond Laser. Journal of Laser Micro Nanoengineering, 2015, 10, 48-52.	0.1	4
119	A novel three-waveguide optical coupler using a tapered waveguide. Journal of Applied Physics, 1991, 69, 2810-2814.	2.5	3
120	Magneto-optic Waveguide with SiO <sub>2</sub> Cladding Layer Integrated on InP Substrate by Wafer Direct Bonding. Japanese Journal of Applied Physics, 1997, 36, 7230-7232.	1.5	3
121	Recognition and separation of header for all optical ATM. Optics Communications, 1998, 146, 99-103.	2.1	3
122	All-optical switching characteristics in nonlinear directional coupler loaded with Bragg reflector. , 0, , .		3
123	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
124	Low Temperature O <sub>2</sub> Plasma-Assisted Wafer Bonding of InP and a Garnet Crystal for an Optical Waveguide Isolator. Solid State Phenomena, 2007, 124-126, 475-478.	0.3	3
125	GaInAsP/InP waveguide dual core spot size converter for optical fiber. , 2011, , .		3
126	Silicon waveguide wavelength-selective switch for on-chip WDM communications. , 2012, , .		3



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127	Surface activated bonding of Si/Ce:YIG for waveguide optical isolators. , 2012, , .		3
128	Performance improvement of an Electron-Tracking Compton Camera by a new track reconstruction method. , 2013, , .		3
129	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
130	Integrated Optical Isolator and Circulator in Silicon Photonics. , 2018, , .		3
131	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
132	Stress birefringence in YIG and Bi:YIG thin films. Electronics and Communications in Japan, 1984, 67, 104-114.	0.1	2
133	Effect of doping carbon in an electromagnetic wave absorber rubber ferrite. Electronics and Communications in Japan, 1987, 70, 12-18.	0.2	2
134	Waveguide-type optical isolator with in-plane magnetization structure. , 1990, 1274, 220.		2
135	Integrated Optical Isolator Employing Nonreciprocal Phase Shift by Wafer Direct Bonding. Materials Research Society Symposia Proceedings, 1998, 517, 469.	0.1	2
136	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
137	Address recognition and generation of switching control signal for all-optical routing. Optical Engineering, 1999, 38, 1848.	1.0	2
138	Optical isolator using a nonreciprocal phase shift with a semiconductor guiding layer. , 0, , .		2
139	Dependence of control light wavelength in all-optical switching of nonlinear strip-loaded distributed feedback waveguide. , 0, , .		2
140	Demonstration of optically-controlled switching in nonlinear directional coupler loaded with grating. , 0, , .		2
141	Integration of Terraced Laser Diode and Garnet Crystals by Wafer Direct Bonding. Japanese Journal of Applied Physics, 2001, 40, 3463-3467.	1.5	2
142	All-Optical Wavelength Conversion in a GaInAsPnP Optical Gate Loaded with a Bragg Reflector. Applied Optics, 2003, 42, 6672.	2.1	2
143	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
144	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

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145	Semi-leaky waveguide optical isolator. , 2007, , .		2
146	Room-Temperature Direct Bonding for Integrated Optical Devices. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	2
147	Silicon waveguide optical circulator employing nonreciprocal phase shift. , 2009, , .		2
148	Application of Cobalt Ferrite to an Ultra-Compact Magneto-Optical Isolator on Silicon Photonics Circuits. Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2014, 61, S343-S345.	0.2	2
149	Demonstration of an athermal waveguide optical isolator on silicon platform. , 2015, , .		2
150	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
151	Polarization coupler for polarization-rotating Mach-Zehnder interferometer. IEICE Electronics Express, 2021, 18, 20210176-20210176.	0.8	2
152	Silicon microring isolator with large optical isolation and low loss. , 2016, , .		2
153	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
154	Small magnetless integrated optical isolator using a magnetized cobalt ferrite film. IEICE Electronics Express, 2022, 19, 20210500-20210500.	0.8	2
155	Phase-Matched Waveguide Using the Artificial Anisotropic Structure and its Application to a Mode Converter (Short Papers). IEEE Transactions on Microwave Theory and Techniques, 1985, 33, 149-152.	4.6	1
156	Waveguide-type optical attenuator. Journal of Lightwave Technology, 1985, 3, 841-843.	4.6	1
157	Waveguide optical polarisation splitter with Langmuir-Blodgett cladding layer. Electronics Letters, 1991, 27, 271.	1.0	1
158	Waveguide optical bistable devices with weighted distributed feedback structure. , 0, , .		1
159	Design of super wideband electromagnetic wave absorber and its characteristics. Electronics and Communications in Japan, 1995, 78, 1-9.	0.2	1
160	Optical Propagation Loss Increase of $(\text{GdBi})_{3}\text{Fe}_{5}\text{O}_{12}$ Films Caused by Sputter Etching. Japanese Journal of Applied Physics, 1995, 34, 4817-4818.	1.5	1
161	Criteria for absorber's reflectivity lined in semi-anechoic chambers using ray-tracing technique. , 0, , .		1
162	Characteristics of pyramidal electromagnetic wave absorber for oblique incidence and its equivalent representation used by the approximate method. Electronics and Communications in Japan, 1997, 80, 32-40.	0.1	1

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163	Development of wide band ferrite fin electromagnetic wave absorber for glass curtain wall. , 0, , .		1
164	Demonstration of all-optical switching with orthogonally-polarized control and signal light. , 0, , .		1
165	Wafer Bonding between Magnetic Garnet and Lithium Niobate for Semi-Leaky Isolator. Materials Research Society Symposia Proceedings, 2001, 681, 1.	0.1	1
166	Surface micromachining in magneto-optic waveguide with semiconductor guiding layer. , 0, , .		1
167	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
168	Nonlinear Optical Properties in GaInAsP/InP Waveguides below the Band-gap Wavelength. Japanese Journal of Applied Physics, 2006, 45, 2612-2617.	1.5	1
169	Wideband Operation of Magneto-Optical Isolator with Phase Adjusted Mach-Zehnder Interferometer. , 2006, , .		1
170	DFB Waveguide All-Optical Switching Devices Employing Pump-Induced Refractive Index Change in GaInAsP. Advanced Materials Research, 2008, 31, 206-208.	0.3	1
171	Application of Wafer Direct Bonding Technique to Optical Nonreciprocal Devices. IEEE Photonics Journal, 2011, 3, 588-596.	2.0	1
172	Intelligent mission control of robotic underwater vehicles. , 2012, , .		1
173	The First Demonstration of Silicon Waveguide Optical Circulator. , 2013, , .		1
174	Optical Nonreciprocal Devices in Silicon Photonics. , 2014, , .		1
175	Measurement of Ce:YIG temperature dependence for temperature insensitive silicon waveguide optical isolator. , 2014, , .		1
176	Silicon waveguide optical nonreciprocal devices based on magneto-optical phase shift. Proceedings of SPIE, 2014, , .	0.8	1
177	Silicon Waveguide Optical Isolator Integrated with TE-TM Mode Converter. , 2015, , .		1
178	Carrier lifetime measurement in a microcrystalline silicon wire waveguide. , 2016, , .		1
179	Silicon waveguide michelson interferometer for multi-wavelength modulator. , 2017, , .		1
180	Integrated Widely Tunable Broadband Optical Isolator in Silicon Photonics. , 2017, , .		1

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