

# Kazuhiro Ikeda

## List of Publications by Year in descending order

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148  
papers

2,774  
citations

186209

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197736

49  
g-index

148  
all docs

148  
docs citations

148  
times ranked

2156  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Thermal and Kerr nonlinear properties of plasma-deposited silicon nitride/ silicon dioxide waveguides. Optics Express, 2008, 16, 12987.   | 1.7 | 334       |
| 2  | Ultra-compact 32 Å– 32 strictly-non-blocking Si-wire optical switch with fan-out LGA interposer. Optics Express, 2015, 23, 17599.   | 1.7 | 161       |
| 3  | Group velocity dispersion and self phase modulation in silicon nitride waveguides. Applied Physics Letters, 2010, 96, .   | 1.5 | 112       |
| 4  | Inhomogenous Dielectric Metamaterials with Space-Variant Polarizability. Physical Review Letters, 2007, 98, 243901.   | 2.9 | 107       |
| 5  | Cladding-modulated Bragg gratings in silicon waveguides. Optics Letters, 2009, 34, 1357.  | 1.7 | 107       |
| 6  | Low-Insertion-Loss and Power-Efficient 32 Å– 32 Silicon Photonics Switch With Extremely High- $\hat{\nu}$ Silica PLC Connector. Journal of Lightwave Technology, 2019, 37, 116-122.   | 2.7 | 102       |
| 7  | Room temperature circularly polarized lasing in an optically spin injected vertical-cavity surface-emitting laser with (110) GaAs quantum wells. Applied Physics Letters, 2011, 98, . | 1.5 | 96        |
| 8  | Ultra-high-extinction-ratio 2 Å– 2 silicon optical switch with variable splitter. Optics Express, 2015, 23, 9086.   | 1.7 | 92        |
| 9  | Chip-scale dispersion engineering using chirped vertical gratings. Optics Letters, 2008, 33, 3013.  | 1.7 | 81        |
| 10 | Wide bandwidth, low loss 1 by 4 wavelength division multiplexer on silicon for optical interconnects. Optics Express, 2011, 19, 2401.   | 1.7 | 71        |
| 11 | Enhanced optical nonlinearity in amorphous silicon and its application to waveguide devices. Optics Express, 2007, 15, 17761.   | 1.7 | 68        |
| 12 | Thermally Stable Schottky Barrier Diode by Ru/Diamond. Applied Physics Express, 2009, 2, 011202.  | 1.1 | 67        |
| 13 | Increase in Reverse Operation Limit by Barrier Height Control of Diamond Schottky Barrier Diode. IEEE Electron Device Letters, 2009, 30, 960-962.                                     | 2.2 | 62        |
| 14 | Broadband silicon photonics 8 Å– 8 switch based on double-Mach-Zehnder element switches. Optics Express, 2017, 25, 7538.  | 1.7 | 62        |
| 15 | Hybrid-Integration of SOA on Silicon Photonics Platform Based on Flip-Chip Bonding. Journal of Lightwave Technology, 2019, 37, 307-313.   | 2.7 | 54        |
| 16 | Coupled chirped vertical gratings for on-chip group velocity dispersion engineering. Applied Physics Letters, 2009, 95, .   | 1.5 | 53        |
| 17 | Wavelength selective coupler with vertical gratings on silicon chip. Applied Physics Letters, 2008, 92, .   | 1.5 | 50        |
| 18 | Resonant waveguide device with vertical gratings. Optics Letters, 2007, 32, 539.  | 1.7 | 49        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Tunable Transmission Resonant Filter and Modulator With Vertical Gratings. Journal of Lightwave Technology, 2007, 25, 1147-1151.   | 2.7 | 48        |
| 20 | Fabrication of a field plate structure for diamond Schottky barrier diodes. Diamond and Related Materials, 2009, 18, 292-295.  | 1.8 | 40        |
| 21 | Device scaling of pseudo-vertical diamond power Schottky barrier diodes. Diamond and Related Materials, 2009, 18, 1196-1199.   | 1.8 | 39        |
| 22 | Low-Loss, Low-Crosstalk, and Large-Scale Optical Switch Based on Silicon Photonics. Journal of Lightwave Technology, 2020, 38, 233-239.                                    | 2.7 | 37        |
| 23 | Nonduplicate Polarization-Diversity 32 Å— 32 Silicon Photonics Switch Based on a SiN/Si Double-Layer Platform. Journal of Lightwave Technology, 2020, 38, 226-232.         | 2.7 | 36        |
| 24 | 155-Î¼m VCSEL with polarization-independent HCG mirror on SOI. Optics Express, 2013, 21, 28685.  | 1.7 | 35        |
| 25 | Reconfigurable all-optical on-chip MIMO three-mode demultiplexing based on multi-plane light conversion. Optics Letters, 2018, 43, 1798.                                   | 1.7 | 32        |
| 26 | Non-duplicate polarization-diversity 8 Å— 8 Si-wire PILOSS switch integrated with polarization splitter-rotators. Optics Express, 2017, 25, 10885.                         | 1.7 | 31        |
| 27 | Spin polarization modulation for high-speed vertical-cavity surface-emitting lasers. Applied Physics Letters, 2018, 113, .   | 1.5 | 31        |
| 28 | Polarization-independent high-index contrast grating and its fabrication tolerances. Applied Optics, 2013, 52, 1049.   | 0.9 | 30        |
| 29 | Switching of Lasing Circular Polarizations in a (110)-VCSEL. IEEE Photonics Technology Letters, 2009, 21, 1350-1352.   | 1.3 | 24        |
| 30 | Processing advantages of linear chirped fiber Bragg gratings in the time domain realization of optical frequency-domain reflectometry. Optics Express, 2007, 15, 15464.    | 1.7 | 23        |
| 31 | SOA-Integrated Silicon Photonics Switch and Its Lossless Multistage Transmission of High-Capacity WDM Signals. Journal of Lightwave Technology, 2019, 37, 123-130.         | 2.7 | 23        |
| 32 | Large-scale silicon photonics switch based on 45-nm CMOS technology. Optics Communications, 2020, 466, 125677.   | 1.0 | 22        |
| 33 | SiN/Si double-layer platform for ultralow-crosstalk multiport optical switches. Optics Express, 2019, 27, 21130.   | 1.7 | 22        |
| 34 | Compact 2 Å— 2 polarization-diversity Si-wire switch. Optics Express, 2014, 22, 29818.   | 1.7 | 21        |
| 35 | Accelerating Switching Speed of Thermo-optic MZI Silicon-Photonic Switches with â€œTurbo Pulseâ€•in PWM Control. , 2017, , .   |     | 21        |
| 36 | First demonstration of ultra-low-energy hierarchical multi-granular optical path network dynamically controlled through NSI-CS for video related applications. , 2014, , . |     | 18        |

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|----|--|-----|-----------|
| 37 | Ultra-compact silicon photonics switch with high-density thermo-optic heaters. Optics Express, 2019, 27, 10332.  | 1.7 | 18        |
| 38 | Off-Chip Polarization-Diversity 4 $\times$ 4 Si-Wire Optical Switch With Digital DGD Compensation. IEEE Photonics Technology Letters, 2016, 28, 457-460.   | 1.3 | 17        |
| 39 | Modified long-range surface plasmon polariton modes for laser nanoresonators. Journal of Applied Physics, 2011, 110, 063106.   | 1.1 | 16        |
| 40 | Nonlinear Fabry-Perot resonator with a silicon photonic crystal waveguide. Optics Letters, 2006, 31, 3486.   | 1.7 | 15        |
| 41 | High Temperature Characteristics of Diamond SBDs. Materials Science Forum, 2010, 645-648, 1231-1234.   | 0.3 | 15        |
| 42 | Novel polarization diversity without switch duplication of a Si-wire PILOSS optical switch. Optics Express, 2016, 24, 6861.  | 1.7 | 15        |
| 43 | Integrated silicon photonic wavelength-selective switch using wavefront control waveguides. Optics Express, 2018, 26, 13573.   | 1.7 | 15        |
| 44 | Material and structural criteria for ultra-fast Kerr nonlinear switching in optical resonant cavities. Solid-State Electronics, 2007, 51, 1376-1380.   | 0.8 | 14        |
| 45 | Lasing Polarization Characteristics in 1.55- $\mu\text{m}$ Spin-Injected VCSELs. IEEE Photonics Technology Letters, 2017, 29, 711-714.   | 1.3 | 14        |
| 46 | Wavelength-Division Demultiplexing Enhanced by Silicon-Photonic Tunable Filters in Ultra-Wideband Optical-Path Networks. Journal of Lightwave Technology, 2020, 38, 1002-1009.                                     | 2.7 | 13        |
| 47 | Effects produced by metal-coated near-field probes on the performance of silicon waveguides and resonators. Optics Letters, 2007, 32, 2602.  | 1.7 | 12        |
| 48 | Crystal growth of InGaAs/InAlAs quantum wells on InP(110) by MBE. Journal of Crystal Growth, 2013, 364, 95-100.  | 0.7 | 12        |
| 49 | Low Insertion Loss and Power Efficient 32 $\times$ 32 Silicon Photonics Switch with Extremely-High- $\hat{\nu}$ PLC Connector. , 2018, , .   |     | 12        |
| 50 | All-Optical Flip-Flop Operation at 1-mA Bias Current in Polarization Bistable Vertical-Cavity Surface-Emitting Lasers With an Oxide Confinement Structure. IEEE Photonics Technology Letters, 2011, 23, 1811-1813. | 1.3 | 11        |
| 51 | Room temperature spin transport in undoped (110) GaAs/AlGaAs quantum wells. Applied Physics Letters, 2014, 104, 072406.  | 1.5 | 11        |
| 52 | 2.5-dB loss, 100-nm Operating Bandwidth, and Low Power Consumption Strictly-Non-Blocking 8 $\times$ 8 Si Switch. , 2017, , .   |     | 11        |
| 53 | A Large-Scale Optical Circuit Switch Using Fast Wavelength-Tunable and Bandwidth-Variable Filters. IEEE Photonics Technology Letters, 2018, 30, 1439-1442.   | 1.3 | 11        |
| 54 | Scalable and Fast Optical Circuit Switch Based on Colorless Coherent Detection: Design Principle and Experimental Demonstration. Journal of Lightwave Technology, 2021, 39, 2263-2274.                             | 2.7 | 11        |

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|----|---|-----|-----------|
| 55 | Recent Progress of Diamond Device toward Power Application. Materials Science Forum, 2009, 615-617, 999-1002.   | 0.3 | 10        |
| 56 | Silicon nanophotonic devices for chip-scale optical communication applications [Invited]. Applied Optics, 2013, 52, 613.  | 0.9 | 10        |
| 57 | 2 Å— 2 16-ch silicon photonics wavelength-selective switch based on waveguide gratings. Optics Express, 2020, 28, 26861.  | 1.7 | 10        |
| 58 | Lasing-Polarization-Dependent Output from Orthogonal Waveguides in High-Index-Contrast Subwavelength Grating Vertical-Cavity Surface-Emitting Laser. Applied Physics Express, 2013, 6, 092106.          | 1.1 | 9         |
| 59 | Electron spin relaxation time in (110) InGaAs/InAlAs quantum wells. Journal of Applied Physics, 2014, 116, 023507.  | 1.1 | 9         |
| 60 | Silicon Photonics Wavelength Selective Switch With Unlimited Free Spectral Range. Journal of Lightwave Technology, 2020, 38, 3268-3272.   | 2.7 | 9         |
| 61 | Fast Frequency Tuning of Silicon-Photonic Thermo-optic MZI Filters using “Turbo Pulse” Method. , 2018, , .  |     | 9         |
| 62 | 32-Port 5.5% <sup>†</sup> Silica-Based Connecting Device for Low-Loss Coupling between SMFs and Silicon Waveguides. , 2018, , .   |     | 9         |
| 63 | Fast and Accurate Automatic Calibration of a 32 Å— 32 Silicon Photonic Strictly-Non-Blocking Switch. , 2017, , .  |     | 9         |
| 64 | Heterodyne near-field scanning optical microscopy with spectrally broad sources. Optics Letters, 2009, 34, 1327.  | 1.7 | 8         |
| 65 | Room temperature spin injection into (110) GaAs quantum wells using Fe/x-AlOx contacts in the regime of current density comparable to laser oscillation. Journal of Applied Physics, 2015, 118, 163905. | 1.1 | 8         |
| 66 | Polarization-Rotator-Free Polarization-Diversity 4 4 Si-Wire Optical Switch. IEEE Photonics Journal, 2016, 8, 1-7.  | 1.0 | 8         |
| 67 | Spin-Injected Birefringent VCSELs for Analog Radio-Over-Fiber Systems. IEEE Photonics Technology Letters, 2021, 33, 297-300.  | 1.3 | 8         |
| 68 | In-line Optical Amplification for Silicon Photonics Platform by Flip-Chip Bonded InP-SOAs. , 2018, , .  |     | 8         |
| 69 | Design and verification of a LO bank enabled by fixed-wavelength lasers and fast tunable silicon ring filters for creating large scale optical switches. Optics Express, 2021, 29, 39930.               | 1.7 | 8         |
| 70 | Carrier Lifetime and Electron Spin Relaxation Time in (110)-Oriented GaAs “AlGaAs Quantum-Well Micro-Posts. IEEE Photonics Technology Letters, 2010, 22, 1689-1691.                                     | 1.3 | 7         |
| 71 | Silicon photonics based 1 Å— 2 wavelength selective switch using fold-back arrayed-waveguide gratings. IEICE Electronics Express, 2018, 15, 20180532-20180532.  | 0.3 | 6         |
| 72 | Gain-Integrated 8 Å— 8 Silicon Photonics Multicast Switch With On-Chip 2 Å— 4-ch. SOAs. Journal of Lightwave Technology, 2020, 38, 2930-2937.   | 2.7 | 6         |

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|----|---|-----|-----------|
| 73 | Strictly Non-Blocking 8 Å— 8 Silicon Photonics Switch Operating in the O-Band. Journal of Lightwave Technology, 2021, 39, 1096-1101.                                      | 2.7 | 6         |
| 74 | A 300-mm-wafer silicon photonics technology for ultra-low-energy optical network systems. , 2017, , .   |     | 6         |
| 75 | Self-alignment and instability of waveguides induced by optical forces. Physical Review A, 2009, 80, .  | 1.0 | 5         |
| 76 | Ultralow-crosstalk and broadband multi-port optical switch using SiN/Si double-layer platform. , 2017, , .  |     | 5         |
| 77 | Silicon Based 1 Å— <i>M</i> Wavelength Selective Switch Using Arrayed Waveguide Gratings With Fold-Back Waveguides. Journal of Lightwave Technology, 2021, 39, 2413-2420. | 2.7 | 5         |
| 78 | Multiport optical switches integrated on Si photonics platform. IEICE Electronics Express, 2014, 11, 20142011-20142011.   | 0.3 | 4         |
| 79 | Fully-Loaded Operation of 0.29-pJ/bit Wall-plug Efficiency, 81.9-Tb/s Throughput 32 Å— 32 Silicon Photonics Switch. , 2021, , .   |     | 4         |
| 80 | 1Å—2 Silicon Wavelength Selective Switch Using Fold Back Arrayed-Waveguide Gratings. , 2017, , .  |     | 4         |
| 81 | Polarization-Diversity 32 x 32 Si Photonics Switch with Non-Duplicate Diversity Circuit in Double-Layer Platform. , 2019, , .   |     | 4         |
| 82 | Path-Independent Insertion-Loss (PILOSS) 8 Å— 8 Silicon Photonics Switch with &lt;8 nsec Switching Time. , 2022, , .  |     | 4         |
| 83 | Tunable Transmission Resonant Filter and Modulator with Vertical Gratings. , 2006, , .  |     | 3         |
| 84 | Metallic nanowire lasers. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1981.   | 0.9 | 3         |
| 85 | Evaluation of the phase error in Si-wire arrayed-waveguide gratings fabricated by ArF-immersion photolithography. IEICE Electronics Express, 2015, 12, 20150019-20150019. | 0.3 | 3         |
| 86 | A 200-GHz spacing, 17-channel, 1&#x00D7;2 wavelength selective switch using a silicon arrayed-waveguide grating with loopback. , 2015, , .                                |     | 3         |
| 87 | Silicon photonics C-band tunable filter for large-scale optical circuit switches. , 2017, , .   |     | 3         |
| 88 | Recent Advances in Large-scale Optical Switches Based on Silicon Photonics. , 2022, , .   |     | 3         |
| 89 | PMD Compensator With Second-Order PMD Mitigation Using Mode-Coupled Fixed Delay. IEEE Photonics Technology Letters, 2004, 16, 105-107.                                    | 1.3 | 2         |
| 90 | Device Characteristics Dependence on Diamond SDBs Area. Materials Science Forum, 0, 615-617, 1003-1006.   | 0.3 | 2         |

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|-----|--|-----|-----------|
| 91  | Correlation between morphology and electron spin relaxation time in GaAs/AlGaAs quantum wells on misoriented GaAs(110) substrates. Journal of Applied Physics, 2011, 110, 043516.  | 1.1 | 2         |
| 92  | Circularly polarized lasing over wide wavelength range in spin-controlled (110) vertical-cavity surface-emitting laser. Solid State Communications, 2012, 152, 1518-1521.          | 0.9 | 2         |
| 93  | Analysis of Optical Output Characteristics in Waveguide Coupled HCG-VCSELS. IEICE Transactions on Electronics, 2014, E97.C, 369-376.   | 0.3 | 2         |
| 94  | In-band OSNR monitor based on 3 × 3 Si-wire MMI coupler. , 2015, , .   |     | 2         |
| 95  | 4 × 4 Si-wire optical path switch with off-chip polarization diversity. , 2015, , .  |     | 2         |
| 96  | Silicon photonics based switching technology for telecom, datacom and computercom. , 2015, , .   |     | 2         |
| 97  | Effects of spin diffusion on electron spin relaxation time measured with a time-resolved microscopic photoluminescence technique. Journal of Applied Physics, 2015, 117, 053903.   | 1.1 | 2         |
| 98  | Low-Crosstalk Bandwidth Expansion in 32 × 32 Silicon Optical Switch with Port-Exchanged Mach-Zehnder Switch. , 2019, , .   |     | 2         |
| 99  | Port-Alternated Switch-and-Select Optical Switches. Journal of Lightwave Technology, 2021, 39, 1102-1107.  | 2.7 | 2         |
| 100 | Large-Scale Optical Switches Based on Silicon Photonics. , 2021, , .   |     | 2         |
| 101 | Pump Probe Measurement of Electron Spin Relaxation Time in (110)-Oriented GaAs/AlGaAs Multiple Quantum Well Microposts. Applied Physics Express, 2012, 5, 122401.                  | 1.1 | 2         |
| 102 | High-Speed Modulation of 1.55-μm VCSELS with Spin Polarization Modulation. , 2018, , .   |     | 2         |
| 103 | Wavelength (DE)MUX-and-Switch Based on 5.5-μm-Silica PLC/Silicon Photonics Hybrid Platform. Journal of Lightwave Technology, 2022, 40, 1810-1814.                                  | 2.7 | 2         |
| 104 | Fast Optical Switch Utilizing Coherent Detection Enabled by Cooperative Filtering of Transmission Signal and Local Oscillator (LO) Wavelength Sourced from an LO Bank. , 2021, , . |     | 2         |
| 105 | 5.5-μm-PLC/Silicon Photonics Hybrid Wavelength MUX/DEMUX-and-Switch Device. , 2021, , .  |     | 2         |
| 106 | Reconfigurable 3-Channel All-Optical MIMO Circuit on Silicon Based on Multi-Plane Light Conversion. , 2018, , .  |     | 2         |
| 107 | Next-Generation ROADM Employing Bandwidth-Adaptive Silicon-Photonic Filters for Flexible Drop Operation. , 2018, , .   |     | 2         |
| 108 | Scalable and Fast Optical Circuit Switch Created with Silicon-Photonic Tunable-Filter-based Local Oscillator Bank and Colorless Coherent Detection. , 2020, , .                    |     | 2         |

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|-----|--|-----|-----------|
| 109 | Comparison of measurement techniques for electron spin relaxation time in a GaAs/AlGaAs multiple quantum well. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1176-1181. | 1.3 | 1         |
| 110 | Densely packed NxN wavelength cross-connect switch module. <i>Proceedings of SPIE</i> , 2015, , .  | 0.8 | 1         |
| 111 | Silicon photonic bandwidth-tunable filter based on 16-tap finite impulse response. , 2017, , .   |     | 1         |
| 112 | Fast Optical Circuit Switch Using Monolithically Integrated Silicon-Photonic Space Switch and Wavelength-Tuneable Filter. , 2018, , .  |     | 1         |
| 113 | Ultra-Compact Silicon Photonics Switch with Ultra-Dense Thermo-Optic MZI Matrix and Multi-Layer Wiring. , 2018, , .  |     | 1         |
| 114 | Nanophotonics for Information Systems. <i>Lecture Notes in Computer Science</i> , 2009, , 2-4.   | 1.0 | 1         |
| 115 | Silicon-Photonics Polarization-Insensitive Broadband Strictly-Non-Blocking 8 Å— 8 Blade Switch. , 2017, , .  |     | 1         |
| 116 | Multi-port Optical Switch Based on Silicon Photonics. , 2016, , .  |     | 1         |
| 117 | Strictly Non-Blocking Silicon Photonics Switches. , 2016, , .  |     | 1         |
| 118 | Fully Integrated Non-Duplicate Polarization-Diversity 8 Å— 8 Si-Wire PILOSS Switch. , 2017, , .  |     | 1         |
| 119 | 5.7-dB Fiber-to-Fiber Loss 8 Å— 8 Silicon Photonics Switch with Port-Alternated Switch-and-Select Architecture. , 2020, , .  |     | 1         |
| 120 | O-Band Strictly Non-Blocking 8 Å— 8 Silicon-Photonics Switch. , 2020, , .  |     | 1         |
| 121 | Demonstration of 8-Step Single-Photon Quantum Walk using 32 x 32 Reconfigurable Silicon Photonics Switch. , 2020, , .  |     | 1         |
| 122 | Strictly Non-Blocking Silicon Photonics Switches. <i>IEICE Transactions on Electronics</i> , 2020, E103.C, 627-634.  | 0.3 | 1         |
| 123 | Nearfield investigation of subwavelength structured graded-index lens. , 2006, , .   |     | 0         |
| 124 | Devices Utilizing Free-space Optics on a Chip. , 2006, , .   |     | 0         |
| 125 | Nanophotonics for information systems. , 2007, , .   |     | 0         |
| 126 | Dispersion compensation for on-chip ultrafast signal processing. , 2008, , .   |     | 0         |

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|-----|--|-----|-----------|
| 127 | Metamaterials for free space on a chip applications. Proceedings of SPIE, 2008, , .  | 0.8 | 0         |
| 128 | Self-alignment and instability of waveguides induced by forces of guided and radiated fields. Proceedings of SPIE, 2010, , .   | 0.8 | 0         |
| 129 | Coupled vertical gratings on silicon for applications in wavelength division multiplexing. , 2010, , .   |     | 0         |
| 130 | Analog signal processing/filtering. , 2011, , .  |     | 0         |
| 131 | All-optical flip-flop operation of polarization bistable VCSELs with an oxide confinement structure. , 2011, , .   |     | 0         |
| 132 | Optically-pumped circularly polarized lasing in a (110) VCSEL with GaAs/AlGaAs QWs at room temperature. , 2011, , .  |     | 0         |
| 133 | Spin-controlled switching of lasing circular polarizations in (110)-oriented VCSELs. , 2011, , .   |     | 0         |
| 134 | Design and fabrication of a polarization-independent HCG. , 2013, , .  |     | 0         |
| 135 | Silicon nanophotonics integration for chip-scale optical communication. Proceedings of SPIE, 2014, , .   | 0.8 | 0         |
| 136 | Novel PILOSS Port Assignment for Compact Polarization-Diversity Si-Wire Optical Switch. , 2016, , .  |     | 0         |
| 137 | Silicon optical switch monolithically integrated with driver electronics and its power efficient driving. , 2016, , .  |     | 0         |
| 138 | Polarization diversity circuit based on silica waveguides and photonic crystal waveplates for a 4Å–4 silicon optical switch. IEICE Electronics Express, 2017, 14, 20170252-20170252. | 0.3 | 0         |
| 139 | Switching Devices and Systems Based on Advanced Silicon Photonics. , 2018, , .   |     | 0         |
| 140 | Silicon Photonic Multiport Optical Switch and Its Control Electronics. , 2018, , .   |     | 0         |
| 141 | A 300-mm-wafer silicon photonics technology for advanced information systems. , 2019, , .  |     | 0         |
| 142 | Characteristics of 1Å–2 Silicon Wavelength Selective Switch Using Arrayed - Waveguide Gratings with Fold-Back Waveguides. , 2019, , .  |     | 0         |
| 143 | Transverse and Longitudinal Optical Forces of Self-Alignment in Waveguides. , 2010, , .  |     | 0         |
| 144 | Control of Electron Spin Relaxation Dynamics and Circularly Polarized Lasing in Semiconductor Lasers. Hyomen Kagaku, 2011, 32, 755-760.  | 0.0 | 0         |

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|-----|--|-----|-----------|
| 145 | Ultra-compact 32 Å– 32 strictly-non-blocking Si-wire PILOSS switch. , 2016, , .  |     | 0         |
| 146 | 1,024Å–1,024 Optical Circuit Switch Using Wavelength-Tunable and Bandwidth-Variable Silicon Photonic Filter. , 2018, , .   |     | 0         |
| 147 | Spin polarization modulation of 1.55-µm VCSELs for high-speed data communications. , 2019, , .   |     | 0         |
| 148 | Polarization-Insensitive Local-Oscillator-Carrier Loopback Modulation for Cost-effective and High-port-count Wavelength Routing Optical Switch. Optics Letters, 0, , . | 1.7 | 0         |