# Haiyan Ou

## List of Publications by Year in descending order

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|---|---|---|---|
| 206 papers | 4,019 citations | 159573 30 h-index | 133244 59 g-index |
| 206 all docs | 206 docs citations | 206 times ranked | 3849 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Compact low-birefringence polarization beam splitter using vertical-dual-slot waveguides in silicon carbide integrated platforms. Photonics Research, 2022, 10, A8. | 7.0 | 23 |
| 2 | Improved passivation depth of porous fluorescent 6H-SiC with Si/C faces using atomic layer deposition. Japanese Journal of Applied Physics, 2022, 61, 035502. | 1.5 | 0 |
| 3 | Silicon Carbide Photonics Bridging Quantum Technology. ACS Photonics, 2022, 9, 1434-1457. | 6.6 | 40 |
| 4 | Ultra-compact efficient mode converter with metamaterial structures. Infrared Physics and Technology, 2022, 125, 104200. | 2.9 | 5 |
| 5 | Polarization and spatial mode dependent four-wave mixing in a 4H-silicon carbide microring resonator. APL Photonics, 2021, 6, . | 5.7 | 19 |
| 6 | Thermal Behaviors and Optical Parametric Oscillation in 4Hâ€Silicon Carbide Integrated Platforms. Advanced Photonics Research, 2021, 2, 2100068. | 3.6 | 15 |
| 7 | Polarization-insensitive ultra-short waveguide taper. Optics Letters, 2021, 46, 5027. | 3.3 | 6 |
| 8 | Subcycle Nonlinear Response of Doped 4H Silicon Carbide Revealed by Two-Dimensional Terahertz Spectroscopy. ACS Photonics, 2020, 7, 221-231. | 6.6 | 9 |
| 9 | Voltage-Controlled Anodic Oxidation of Porous Fluorescent SiC for Effective Surface Passivation. Nanomaterials, 2020, 10, 2075. | 4.1 | 1 |
| 10 | Wafer-scale 4H-silicon carbide-on-insulator (4Hâ€“SiCOI) platform for nonlinear integrated optical devices. Optical Materials, 2020, 107, 109990. | 3.6 | 40 |
| 11 | Dependence of Photoluminescence Emission on Excitation Power and Temperature in Highly Doped 6H-SiC. Physical Review Applied, 2020, 13, . | 3.8 | 8 |
| 12 | Giant enhancement of white light emission from Ca<sub>9</sub>Ln(PO<sub>4</sub>)<sub>7</sub>:Eu<sup>2+</sup>,Mn<sup>2+</sup> (Lnâ€‰=â€‰La, Lu, Gd) phosphors achieved by remote aluminum reduction. Optical Materials Express, 2020, 10, 1306. | 3.0 | 3 |
| 13 | Strong visible-light emission in annealed poly(acrylic acid). Optical Materials Express, 2020, 10, 3424. | 3.0 | 6 |
| 14 | Supercontinuum Generation in Dispersion Engineered 4H-SiC-on-insulator Waveguides at Telecom Wavelengths. , 2020, , . | | 2 |
| 15 | Temperature-dependent photoluminescence properties of porous fluorescent SiC. Scientific Reports, 2019, 9, 16333. | 3.3 | 28 |
| 16 | Photoluminescence Quantum Yield of Fluorescent Silicon Carbide Determined by an Integrating Sphere Setup. ACS Omega, 2019, 4, 15488-15495. | 3.5 | 8 |
| 17 | Multichannel Photon-Pair Generation with Strong and Uniform Spectral Correlation in a Silicon Microring Resonator. Physical Review Applied, 2019, 12, . | 3.8 | 14 |
| 18 | Nonclassical Optical Bistability and Resonance-Locked Regime of Photon-Pair Sources Using Silicon Microring Resonator. Physical Review Applied, 2019, 11, . | 3.8 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | An adhesive bonding approach by hydrogen silsesquioxane for silicon carbide-based LED applications. Materials Science in Semiconductor Processing, 2019, 91, 9-12. | 4.0 | 5 |
| 20 | High-quality factor, high-confinement microring resonators in 4H-silicon carbide-on-insulator. Optics Express, 2019, 27, 13053. | 3.4 | 48 |
| 21 | 4H-SiC microring resonators for nonlinear integrated photonics. Optics Letters, 2019, 44, 5784. | 3.3 | 42 |
| 22 | Double D-centers related donor-acceptor-pairs emission in fluorescent silicon carbide. Optical Materials Express, 2019, 9, 295. | 3.0 | 4 |
| 23 | Fabrication of High-Q, High-Confinement 4H-SiC Microring Resonators by Surface Roughness Reduction. , 2019, , . | | 0 |
| 24 | Experimentally Validated Dispersion Tailoring in a Silicon Strip Waveguide With Alumina Thin-Film Coating. IEEE Photonics Journal, 2018, 10, 1-8. | 2.0 | 3 |
| 25 | Efficiency enhancement of InGaN amber MQWs using nanopillar structures. Nanophotonics, 2018, 7, 317-322. | 6.0 | 10 |
| 26 | High-Confinement, High-Q Microring Resonators on Silicon Carbide-On-Insulator (SiCOI). , 2018, , . | | 0 |
| 27 | Direct Growth of AlGaN Nanorod LEDs on Graphene-Covered Si. Materials, 2018, 11, 2372. | 2.9 | 14 |
| 28 | Direct van der Waals Epitaxy of Crack-Free AlN Thin Film on Epitaxial WS2. Materials, 2018, 11, 2464. | 2.9 | 17 |
| 29 | Experimentally validated full-vectorial model of wavelength multicasting via four-wave mixing in straight waveguides. Scientific Reports, 2018, 8, 13030. | 3.3 | 0 |
| 30 | InGaN/GaN ultraviolet LED with a graphene/AZO transparent current spreading layer. Optical Materials Express, 2018, 8, 1818. | 3.0 | 7 |
| 31 | Generation rate scaling: the quality factor optimization of microring resonators for photon-pair sources. Photonics Research, 2018, 6, 587. | 7.0 | 18 |
| 32 | Axial localization using time reversal multiple signal classification in optical scanning holography. Optics Express, 2018, 26, 3756. | 3.4 | 4 |
| 33 | New autofocus and reconstruction method based on a connected domain. Optics Letters, 2018, 43, 2201. | 3.3 | 13 |
| 34 | Influence of negative-U centers related carrier dynamics on donor-acceptor-pair emission in fluorescent SiC. Journal of Applied Physics, 2018, 124, . | 2.5 | 5 |
| 35 | High quantum efficiency far red emission from double perovskite structured CaLaMgMO6:Mn4+ (M =) Tj ETQq1 1 0.784314 rgBT /Ov | 3.6 | 58 |
| 36 | Enhanced Emission and Modulation Properties of Localized Surface Plasma Coupled GaN-based Green Light-Emitting Diodes. , 2018, , . | | 2 |

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| 37 | Effective optimization of surface passivation on porous silicon carbide using atomic layer deposited Al<sub>2</sub>O<sub>3</sub>. RSC Advances, 2017, 7, 8090-8097. | 3.6 | 53 |
| 38 | 1.142 Î¼m GaAsBi/GaAs Quantum Well Lasers Grown by Molecular Beam Epitaxy. ACS Photonics, 2017, 4, 1322-1326. | 6.6 | 37 |
| 39 | White Light Emission from Fluorescent SiC with Porous Surface. Scientific Reports, 2017, 7, 9798. | 3.3 | 28 |
| 40 | Domain Decomposition CN-FDTD Method for Analyzing Dispersive Metallic Gratings. IEEE Photonics Journal, 2017, 9, 1-18. | 2.0 | 7 |
| 41 | Efficient WLP-FDTD With Complex Frequency-Shifted PML for Super-Resolution Analysis. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1007-1010. | 4.0 | 8 |
| 42 | Time Reversal Focusing beyond the Diffraction Limit Using Near-Field Auxiliary Sources. IEEE Antennas and Wireless Propagation Letters, 2017, , 1-1. | 4.0 | 5 |
| 43 | Dispersion tailoring of a silicon strip waveguide employing Titania-Alumina thin-film coating. , 2017, , . | | 0 |
| 44 | Broadband wavelength conversion in a silicon vertical-dual-slot waveguide. Optics Express, 2017, 25, 32964. | 3.4 | 8 |
| 45 | Full-vectorial propagation model and modified effective mode area of four-wave mixing in straight waveguides. Optics Letters, 2017, 42, 3670. | 3.3 | 11 |
| 46 | Time-Efficient High-Resolution Large-Area Nano-Patterning of Silicon Dioxide. Micromachines, 2017, 8, 13. | 2.9 | 4 |
| 47 | Visible light emission from porous silicon carbide. , 2017, , . | | 0 |
| 48 | High coincidence-to-accidental ratio continuous-wave photon-pair generation in a grating-coupled silicon strip waveguide. Applied Physics Express, 2017, 10, 062801. | 2.4 | 26 |
| 49 | Antireflective SiC Surface Fabricated by Scalable Self-Assembled Nanopatterning. Micromachines, 2016, 7, 152. | 2.9 | 8 |
| 50 | Enhancement of the Modulation Bandwidth for surface Plasmon coupled LEDs for Visible Light Communication. , 2016, , . | | 2 |
| 51 | Influence of near-field coupling from Ag surface plasmons on InGaN/GaN quantum-well photoluminescence. Journal of Luminescence, 2016, 175, 213-216. | 3.1 | 11 |
| 52 | Linear all-optical signal processing using silicon micro-ring resonators. Frontiers of Optoelectronics, 2016, 9, 362-376. | 3.7 | 5 |
| 53 | Comparison of wavelength conversion efficiency between silicon waveguide and microring resonator. Frontiers of Optoelectronics, 2016, 9, 390-394. | 3.7 | 3 |
| 54 | Surface passivation of nano-textured fluorescent SiC by atomic layer deposited TiO<sub>2</sub>. Physica Scripta, 2016, 91, 074001. | 2.5 | 4 |

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| 55 | Combining surface plasmonic and light extraction enhancement on InGaN quantum-well light-emitters. Nanoscale, 2016, 8, 16340-16348. | 5.6 | 16 |
| 56 | Efficient Frequency-Dependent Newmark-Beta-FDTD Method for Periodic Grating Calculation. IEEE Photonics Journal, 2016, 8, 1-9. | 2.0 | 2 |
| 57 | Analysis of Extraordinary Optical Transmission With Periodic Metallic Gratings Using ADE-LOD-FDTD Method. IEEE Photonics Journal, 2016, 8, 1-10. | 2.0 | 10 |
| 58 | Fabrication and surface passivation of porous 6H-SiC by atomic layer deposited films. Optical Materials Express, 2016, 6, 1956. | 3.0 | 10 |
| 59 | Resolution enhancement of optical scanning holography with a spiral modulated point spread function. Photonics Research, 2016, 4, 1. | 7.0 | 22 |
| 60 | A 2Ã—2 imaging MIMO system based on LED Visible Light Communications employing space balanced coding and integrated PIN array reception. Optics Communications, 2016, 367, 214-218. | 2.1 | 12 |
| 61 | On-chip mode division multiplexing technologies. , 2016, , . | | 0 |
| 62 | Investigations of thin p-GaN light-emitting diodes with surface plasmon compatible metallization. , 2016, , . | | 0 |
| 63 | Photoluminescence enhancement in porous SiC passivated by atomic layer deposited Al2O3 films. , 2016, , . | | 0 |
| 64 | Luminescence enhancement of near ultraviolet light-emitting diodes. , 2016, , . | | 0 |
| 65 | Internal quantum efficiency enhancement of GaInN/GaN quantum-well structures using Ag nanoparticles. AIP Advances, 2015, 5, . | 1.3 | 22 |
| 66 | Scalable nanostructuring on polymer by a SiC stamp: optical and wetting effects. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 67 | Wavelength Conversion of DP-QPSK Signals in a Silicon Polarization Diversity Circuit. IEEE Photonics Technology Letters, 2015, 27, 411-414. | 2.5 | 7 |
| 68 | Ge nanobelts with high compressive strain fabricated by secondary oxidation of self-assembly SiGe rings. Materials Research Express, 2015, 2, 015009. | 1.6 | 0 |
| 69 | Chromaticâ€dispersionâ€free transmission using timeâ€reversal optical parametric amplifier. Electronics Letters, 2015, 51, 347-349. | 1.0 | 0 |
| 70 | On-chip grating coupler array on the SOI platform for fan-in/fan-out of MCFs with low insertion loss and crosstalk. Optics Express, 2015, 23, 3292. | 3.4 | 55 |
| 71 | Defocus noise suppression with combined frame difference and connected component methods in optical scanning holography. Optics Letters, 2015, 40, 4146. | 3.3 | 11 |
| 72 | Fabrication and improvement of nanopillar InGaN / GaN light-emitting diodes using nanosphere lithography. Journal of Nanophotonics, 2015, 9, 093062. | 1.0 | 6 |

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| 73 | Signal Processing for On-Chip Space Division Multiplexing. , 2015, , . | | 2 |
| 74 | Edge Extraction Based on Aperture Synthesis in Optical Scanning Holography. , 2015, , . | | 0 |
| 75 | Effective carrier sweepout in a silicon waveguide by a metal-semiconductor-metal structure. , 2015, , . | | 3 |
| 76 | The role of defects in fluorescent silicon carbide layers grown by sublimation epitaxy. IOP Conference Series: Materials Science and Engineering, 2014, 56, 012002. | 0.6 | 3 |
| 77 | Ultra-wide band signal generation using a coupling-tunable silicon microring resonator. Optics Express, 2014, 22, 6078. | 3.4 | 8 |
| 78 | On-chip grating coupler array on the SOI platform for fan-in/fan-out of multi-core fibers with low insertion loss and crosstalk. , 2014, , . | | 2 |
| 79 | Fully-etched apodized fiber-to-chip grating coupler on the SOI platform with −0.78 dB coupling efficiency using photonic crystals and bonded Al mirror. , 2014, , . | | 1 |
| 80 | Wavelength conversion of a 128 Gbit/s DP-QPSK signal in a silicon polarization diversity circuit. , 2014, , . | | 0 |
| 81 | High-resolution Section Recovery Using a Configurable Pupil in a Scanning Holographic Microscopy. , 2014, , . | | 0 |
| 82 | Fully etched apodized grating coupler on the SOI platform with â˜'058â€‰â€‰dB coupling efficiency. Optics Letters, 2014, 39, 5348. | 3.3 | 185 |
| 83 | Mode-selective wavelength conversion based on four-wave mixing in a multimode silicon waveguide. Optics Express, 2014, 22, 127. | 3.4 | 62 |
| 84 | Polarization-insensitive wavelength conversion of 40 Gb/s NRZ-DPSK signals in a silicon polarization diversity circuit. Optics Express, 2014, 22, 12467. | 3.4 | 11 |
| 85 | Enhanced depth resolution in optical scanning holography using a configurable pupil. Photonics Research, 2014, 2, 64. | 7.0 | 27 |
| 86 | Ultra-low coupling loss fully-etched apodized grating coupler with bonded metal mirror. , 2014, , . | | 1 |
| 87 | All-Optical Tunable Multitap Microwave Photonic Filter Enabled by Fiber Optical Parametric Amplifier. IEEE Photonics Technology Letters, 2014, 26, 893-895. | 2.5 | 6 |
| 88 | Advances in wide bandgap SiC for optoelectronics. European Physical Journal B, 2014, 87, 1. | 1.5 | 58 |
| 89 | Nucleation and growth of polycrystalline SiC. IOP Conference Series: Materials Science and Engineering, 2014, 56, 012001. | 0.6 | 5 |
| 90 | Broadband Antireflection and Light Extraction Enhancement in Fluorescent SiC with Nanodome Structures. Scientific Reports, 2014, 4, 4662. | 3.3 | 18 |

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| 91 | Surface plasmon coupling dynamics in InGaN/GaN quantum-well structures and radiative efficiency improvement. Scientific Reports, 2014, 4, 6392. | 3.3 | 36 |
| 92 | Polycrystalline SiC as Source Material for the Growth of Fluorescent SiC Layers. Materials Science Forum, 2013, 740-742, 39-42. | 0.3 | 8 |
| 93 | In vivo OCT imaging based on La-codoped bismuth-based erbium-doped fiber. , 2013, , . | | 0 |
| 94 | Simultaneous polarization demultiplexing and demodulation of PolMux-DPSK signals in a silicon chip. , 2013, , . | | 0 |
| 95 | Photoluminescence Topography of Fluorescent SiC and its Corresponding Source Crystals. Materials Science Forum, 2013, 740-742, 421-424. | 0.3 | 0 |
| 96 | In Vivo OCT Imaging Based on La-Codoped Bismuth-Based Erbium-Doped Fiber. IEEE Photonics Technology Letters, 2013, 25, 1741-1743. | 2.5 | 4 |
| 97 | Broadband antireflection nanodome structures on SiC substrate. , 2013, , . | | 2 |
| 98 | Combining DPSK and duobinary for the downstream in 40-Gb/s long-reach WDM-PONs. Optical Fiber Technology, 2013, 19, 179-184. | 2.7 | 3 |
| 99 | A scheme to expand the delay-bandwidth product in the resonator-based delay lines by optical OFDM technique. Optics Communications, 2013, 305, 240-246. | 2.1 | 0 |
| 100 | Silicon Photonic Integrated Circuit Mode Multiplexer. IEEE Photonics Technology Letters, 2013, 25, 648-651. | 2.5 | 62 |
| 101 | On-chip two-mode division multiplexing using tapered directional coupler-based mode multiplexer and demultiplexer. Optics Express, 2013, 21, 10376. | 3.4 | 367 |
| 102 | Depth resolution enhancement in double-detection optical scanning holography. Applied Optics, 2013, 52, 3079. | 1.8 | 21 |
| 103 | Polarization diversity DPSK demodulator on the silicon-on-insulator platform with simple fabrication. Optics Express, 2013, 21, 7828. | 3.4 | 13 |
| 104 | All-optical 10 Gb/s AND logic gate in a silicon microring resonator. Optics Express, 2013, 21, 25772. | 3.4 | 34 |
| 105 | Broadband antireflection silicon carbide surface by self-assembled nanopatterned reactive-ion etching. Optical Materials Express, 2013, 3, 86. | 3.0 | 13 |
| 106 | Wideband polarization splitter and rotator with large fabrication tolerance and simple fabrication process. Optics Letters, 2013, 38, 1227. | 3.3 | 100 |
| 107 | Speckle reduction of retinal optical coherence tomography based on contourlet shrinkage. Optics Letters, 2013, 38, 2900. | 3.3 | 45 |
| 108 | Broadband antireflective silicon carbide surface produced by cost-effective method. Optical Materials Express, 2013, 3, 1119. | 3.0 | 8 |

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| 109 | Wavelet domain compounding for speckle reduction in optical coherence tomography. Journal of Biomedical Optics, 2013, 18, 096002. | 2.6 | 17 |
| 110 | Ultrahigh-efficiency apodized grating coupler using fully etched photonic crystals. Optics Letters, 2013, 38, 2732. | 3.3 | 147 |
| 111 | Wideband Raman-Pumped Wavelength-Swept Laser for Optical Coherence Tomography Application. Applied Physics Express, 2013, 6, 062701. | 2.4 | 2 |
| 112 | Ultra-high-efficiency apodized grating coupler using a fully etched photonic crystal. , 2013, , . | | 3 |
| 113 | Mode-selective wavelength conversion based on four-wave mixing in a multimode silicon waveguide. , 2013, , . | | 0 |
| 114 | Robust 9-QAM digital recovery for spectrum shaped coherent QPSK signal. Optics Express, 2013, 21, 7216. | 3.4 | 14 |
| 115 | Systematic Comparison of FWM Conversion Efficiency in Silicon Waveguides and MRRs. , 2013, , . | | 0 |
| 116 | Wide-band Polarization Splitter and Rotator with Large Fabrication Tolerance and Simple Fabrication Process. , 2013, , . | | 2 |
| 117 | Polarization Diversity DPSK Demodulator on the Silicon-on-Insulator Platform with Simple Fabrication. , 2013, , . | | 0 |
| 118 | Experimental Demonstration of Phase Sensitive Parametric Processes in a Nano-Engineered Silicon Waveguide. , 2013, , . | | 1 |
| 119 | Resonant Plasmonic Enhancement of InGaN/GaN LED using Periodically Structured Ag Nanodisks. , 2013, , . | | 0 |
| 120 | Spectral design flexibility of LED brings better life. Proceedings of SPIE, 2012, , . | 0.8 | 4 |
| 121 | Simultaneous RZ-OOK to NRZ-OOK and RZ-DPSK to NRZ-DPSK format conversion in a silicon microring resonator. Optics Express, 2012, 20, 27263. | 3.4 | 20 |
| 122 | Broadband and omnidirectional light harvesting enhancement of fluorescent SiC. Optics Express, 2012, 20, 7575. | 3.4 | 17 |
| 123 | Fabrication tolerant polarization splitter and rotator based on a tapered directional coupler. Optics Express, 2012, 20, 20021. | 3.4 | 119 |
| 124 | Omnidirectional luminescence enhancement of fluorescent SiC via pseudoperiodic antireflective subwavelength structures. Optics Letters, 2012, 37, 3816. | 3.3 | 12 |
| 125 | 41.6 Gb/s RZ-DPSK to NRZ-DPSK format conversion in a microring resonator. , 2012, , . | | 1 |
| 126 | Transmission property of directly modulated signals enhanced by a micro-ring resonator. , 2012, , . | | 2 |

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| 127 | On-chip mode multiplexer based on a single grating coupler. , 2012, , . | | 10 |
| 128 | Fluorescent SiC with pseudo-periodic moth-eye structures. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 129 | Fluorescent SiC as a new material for white LEDs. Physica Scripta, 2012, T148, 014002. | 2.5 | 34 |
| 130 | Three-dimensional fabrication and characterisation of core-shell nano-columns using electron beam patterning of Ge-doped SiO<sub>2</sub>. Applied Physics Letters, 2012, 100, 263113. | 3.3 | 10 |
| 131 | Characterization of donorâ€“acceptor-pair emission in fluorescent 6H-SiC. Physica Scripta, 2012, T148, 014003. | 2.5 | 4 |
| 132 | Modulation speed enhancement of directly modulated lasers using a micro-ring resonator. , 2012, , . | | 3 |
| 133 | Broadband light-extraction enhanced by arrays of whispering gallery resonators. Applied Physics Letters, 2012, 101, . | 3.3 | 13 |
| 134 | Linear signal processing using silicon micro-ring resonators. , 2012, , . | | 1 |
| 135 | Fluorescent SiC for white light-emitting diodes. , 2012, , . | | 0 |
| 136 | Enhanced extraction efficiency of fluorescent SiC by surface nanostructuring. , 2012, , . | | 0 |
| 137 | All-Optical Transversal Filter With Tap Increasing and Negative Coefficients Based on Double-Pass Modulation. IEEE Photonics Technology Letters, 2011, 23, 938-940. | 2.5 | 4 |
| 138 | Multi-Channel 40 Gbit/s NRZ-DPSK Demodulation Using a Single Silicon Microring Resonator. Journal of Lightwave Technology, 2011, 29, 677-684. | 4.6 | 37 |
| 139 | Antireflective sub-wavelength structures for improvement of the extraction efficiency and color rendering index of monolithic white light-emitting diode. Optics Express, 2011, 19, A166. | 3.4 | 30 |
| 140 | Bandwidth and wavelength-tunable optical bandpass filter based on silicon microring-MZI structure. Optics Express, 2011, 19, 6462. | 3.4 | 108 |
| 141 | Generation of a 640 Gbit/s NRZ OTDM signal using a silicon microring resonator. Optics Express, 2011, 19, 6471. | 3.4 | 22 |
| 142 | Formation and characterization of varied size germanium nanocrystals by electron microscopy, Raman spectroscopy, and photoluminescence. Optical Materials Express, 2011, 1, 643. | 3.0 | 14 |
| 143 | Donor-acceptor-pair emission characterization in N-B doped fluorescent SiC. Optical Materials Express, 2011, 1, 1439. | 3.0 | 43 |
| 144 | An intensity-modulation direct-detection radio-over-fiber link with a tunable transfer function. Optics Communications, 2011, 284, 2126-2130. | 2.1 | 3 |

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| 145 | All-optical coherence-free microwave filter with switchable passbands based on phase and intensity hybrid modulation. Optics Communications, 2011, 284, 140-143. | 2.1 | 5 |
| 146 | Size-effect of germanium nanocrystals. , 2011, , . | | 0 |
| 147 | Towards Polarization Diversity on the SOI Platform With Simple Fabrication Process. IEEE Photonics Technology Letters, 2011, 23, 1808-1810. | 2.5 | 16 |
| 148 | Ultra-low-loss inverted taper coupler for silicon-on-insulator ridge waveguide. Optics Communications, 2010, 283, 3678-3682. | 2.1 | 261 |
| 149 | A tunable single-passband microwave photonic filter with positive and negative taps using a fiber Machâ€“Zehnder interferometer and phase modulation. Optics and Laser Technology, 2010, 42, 81-84. | 4.6 | 28 |
| 150 | Multi-channel 40 Gbit/s NRZ-DPSK demodulation using a single silicon microring resonator. , 2010, , . | | 1 |
| 151 | 'No blue' LED solution for photolithography room illumination. , 2010, , . | | 0 |
| 152 | Tunable Microwave Phase Shifter Based on Silicon-on-Insulator Microring Resonator. IEEE Photonics Technology Letters, 2010, 22, 869-871. | 2.5 | 59 |
| 153 | Widely tunable microwave phase shifter based on silicon-on-insulator dual-microring resonator. Optics Express, 2010, 18, 6172. | 3.4 | 76 |
| 154 | Multi-channel WDM RZ-to-NRZ format conversion at 50 Gbit/s based on single silicon microring resonator. Optics Express, 2010, 18, 21121. | 3.4 | 41 |
| 155 | Millimeter-Wave Harmonic Signal Generation and Distribution Using a Tunable Single-Resonance Microwave Photonic Filter. Journal of Lightwave Technology, 2010, 28, 2337-2342. | 4.6 | 6 |
| 156 | An Intensity-Modulation Direct-Detection Radio-Over-Fiber Link with a Tunable Transfer Function. , 2010, , . | | 0 |
| 157 | Ultra-low-loss nano-taper coupler for silicon-on-insulator ridge waveguide. , 2010, , . | | 2 |
| 158 | Silicon-on-Insulator Ring-Shaped Photonic Crystal Waveguides for Refractive Index Sensing. , 2010, , . | | 4 |
| 159 | Topology-Optimized Slow-Light Couplers for Ring-Shaped Photonic Crystal Waveguide. , 2010, , . | | 4 |
| 160 | Microwave Photonic Phase Shifter Based on Tunable Silicon-on-Insulator Microring Resonator. , 2010, , . | | 0 |
| 161 | Tunable and reconfigurable multi-tap microwave photonic filter with negative coefficients based on a single laser diode. Journal of Optics, 2009, 11, 015401. | 1.5 | 6 |
| 162 | Allâ€optical frequency converter based on fiber fourâ€wave mixing for bidirectional radioâ€overâ€fiber systems. Microwave and Optical Technology Letters, 2009, 51, 1542-1545. | 1.4 | 4 |

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| 163 | Fabrication of Ge nanocrystals doped silica-on-silicon waveguides and observation ofÂtheir strong quantum confinement effect. Applied Physics B: Lasers and Optics, 2009, 96, 57-60. | 2.2 | 2 |
| 164 | Tunable all-optical microwave notch filter with a negative tap based on a semiconductor optical amplifier and a dispersive medium. Optics and Laser Technology, 2009, 41, 213-216. | 4.6 | 1 |
| 165 | Light Emitting Diodes as an alternative ambient illumination source in photolithography environment. Optics Express, 2009, 17, 17293. | 3.4 | 12 |
| 166 | Low Insertion Loss SOI Microring Resonator Integrated with Nano-Taper Couplers. , 2009, , . | | 3 |
| 167 | Ge nanoclusters in PECVD-deposited glass caused only by heat treatment. Applied Physics B: Lasers and Optics, 2008, 91, 177-181. | 2.2 | 5 |
| 168 | A tunable and reconfigurable microwave photonic filter based on two cascaded modulators and a dispersive medium. Optics Communications, 2008, 281, 5550-5554. | 2.1 | 0 |
| 169 | A Simple and Tunable Single-Bandpass Microwave Photonic Filter of Adjustable Shape. IEEE Photonics Technology Letters, 2008, 20, 1917-1919. | 2.5 | 23 |
| 170 | Fabrication of Ge nanocrystals doped silica-on-silicon waveguides and observation of their strong quantum confinement effect. , 2008, , . | | 0 |
| 171 | Tunable Single-Bandpass Microwave Photonic Filters with High Q Factor or Flat-Top Shape Based on Cascaded Optical Structures. , 2008, , . | | 5 |
| 172 | Tunable and Reconfigurable Multi-tap Microwave Photonic Filter With Negative Coefficients Based on a Single Laser Diode. , 2008, , . | | 1 |
| 173 | Single-Passband Microwave Photonic Filter with Negative Taps Based on a Mach-Zehnder Interferometer and a Phase Modulator. , 2008, , . | | 0 |
| 174 | New microwave up-conversion solution using an optical phase modulator in Radio-over-Fiber networks. , 2007, , . | | 0 |
| 175 | A simple implementation of tunable all-optical microwave notch filter with a negative tap based on a semiconductor optical amplifier. , 2007, , . | | 1 |
| 176 | Continuously tunable incoherent microwave photonic filter using a tunable Machâ€'Zehnder interferometer as the slicing filter. Microwave and Optical Technology Letters, 2007, 49, 2382-2386. | 1.4 | 14 |
| 177 | A tunable and reconfigurable microwave photonic filter based on a Raman fiber laser. Optics Communications, 2007, 278, 48-51. | 2.1 | 13 |
| 178 | Ge nanoclusters in PECVD-deposited glass after heat treatment and electron-beam irradiation. Applied Physics B: Lasers and Optics, 2007, 87, 327-331. | 2.2 | 5 |
| 179 | A generic lightwave integrated chip (GLIC) for fast high-resolution wavelength monitoring. , 2006, , . | | 2 |
| 180 | Strained silicon as a new electro-optic material. Nature, 2006, 441, 199-202. | 27.8 | 599 |

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| 181 | Deep glass etched microring resonators based on silica-on-silicon technology. Electronics Letters, 2006, 42, 581. | 1.0 | 1 |
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