

# Yikai Su

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3126476/publications.pdf>

Version: 2024-02-01

322  
papers

5,593  
citations

81900

39  
h-index

144013

57  
g-index

327  
all docs

327  
docs citations

327  
times ranked

3524  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Coupled mode theory analysis of mode-splitting in coupled cavity system. Optics Express, 2010, 18, 8367.   | 3.4 | 316       |
| 2  | Compact optical temporal differentiator based on silicon microring resonator. Optics Express, 2008, 16, 15880.   | 3.4 | 176       |
| 3  | High-extinction-ratio silicon polarization beam splitter with tolerance to waveguide width and coupling length variations. Optics Express, 2016, 24, 6586.                                   | 3.4 | 119       |
| 4  | Silicon High-Order Mode (De)Multiplexer on Single Polarization. Journal of Lightwave Technology, 2018, 36, 5746-5753.  | 4.6 | 114       |
| 5  | Silicon Photonic Platform for Passive Waveguide Devices: Materials, Fabrication, and Applications. Advanced Materials Technologies, 2020, 5, .   | 5.8 | 106       |
| 6  | Ultra-Broadband Mode Size Converter Using On-Chip Metamaterial-Based Luneburg Lens. ACS Photonics, 2021, 8, 202-208.   | 6.6 | 101       |
| 7  | A Tunable Broadband Photonic RF Phase Shifter Based on a Silicon Microring Resonator. IEEE Photonics Technology Letters, 2009, 21, 60-62.  | 2.5 | 92        |
| 8  | Compact Silicon Waveguide Mode Converter Employing Dielectric Metasurface Structure. Advanced Optical Materials, 2019, 7, 1801191.   | 7.3 | 84        |
| 9  | Reverse-mode PSLC multi-plane optical see-through display for AR applications. Optics Express, 2018, 26, 3394.   | 3.4 | 75        |
| 10 | Asymmetric plasmonic-dielectric coupler with short coupling length, high extinction ratio, and low insertion loss. Optics Letters, 2010, 35, 3153.   | 3.3 | 74        |
| 11 | Simultaneous Generation and Transmission of Downstream Multiband Signals and Upstream Data in a Bidirectional Radio-Over-Fiber System. IEEE Photonics Technology Letters, 2008, 20, 181-183. | 2.5 | 71        |
| 12 | Analysis of an electro-optic modulator based on a graphene-silicon hybrid 1D photonic crystal nanobeam cavity. Optics Express, 2015, 23, 23357.  | 3.4 | 67        |
| 13 | Bottom-up Fabrication of Graphene on Silicon/Silica Substrate via a Facile Soft-hard Template Approach. Scientific Reports, 2015, 5, 13480.  | 3.3 | 64        |
| 14 | Ultra-compact and highly efficient silicon polarization splitter and rotator. APL Photonics, 2016, 1, .  | 5.7 | 61        |
| 15 | On-chip silicon photonic 2 <sup>nd</sup> -mode- and polarization-selective switch with low inter-modal crosstalk. Photonics Research, 2017, 5, 521.  | 7.0 | 58        |
| 16 | Wavelength and bandwidth-tunable silicon comb filter based on Sagnac loop mirrors with Mach-Zehnder interferometer couplers. Optics Express, 2016, 24, 2183.                                 | 3.4 | 57        |
| 17 | Fast light in silicon ring resonator with resonance-splitting. Optics Express, 2009, 17, 933.  | 3.4 | 55        |
| 18 | Compact, submilliwatt, 2 <sup>nd</sup> -silicon thermo-optic switch based on photonic crystal nanobeam cavities. Photonics Research, 2017, 5, 108.   | 7.0 | 53        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Compact tunable silicon photonic differential-equation solver for general linear time-invariant systems. <i>Optics Express</i> , 2014, 22, 26254.                                 | 3.4 | 52        |
| 20 | Compact on-chip 1 Å– 2 wavelength selective switch based on silicon microring resonator with nested pairs of subrings. <i>Photonics Research</i> , 2015, 3, 9.                    | 7.0 | 51        |
| 21 | Optically Tunable Delay Line in Silicon Microring Resonator Based on Thermal Nonlinear Effect. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008, 14, 706-712. | 2.9 | 50        |
| 22 | A multi-plane optical see-through head mounted display design for augmented reality applications. <i>Journal of the Society for Information Display</i> , 2016, 24, 246-251.      | 2.1 | 50        |
| 23 | 1D/2D switchable grating based on field-induced polymer stabilized blue phase liquid crystal. <i>Journal of Applied Physics</i> , 2012, 111, 033101.                              | 2.5 | 49        |
| 24 | Polymer-stabilized Blue Phase Liquid Crystals for Photonic Applications. <i>Advanced Materials Technologies</i> , 2016, 1, 1600102.   | 5.8 | 49        |
| 25 | On-Chip Tunable Second-Order Differential-Equation Solver Based on a Silicon Photonic Mode-Split Microresonator. <i>Journal of Lightwave Technology</i> , 2015, 33, 3542-3549.    | 4.6 | 48        |
| 26 | Multi-plane augmented reality display based on cholesteric liquid crystal reflective films. <i>Optics Express</i> , 2019, 27, 12039.  | 3.4 | 48        |
| 27 | Dense wavelength conversion and multicasting in a resonance-split silicon microring. <i>Applied Physics Letters</i> , 2008, 93, .   | 3.3 | 47        |
| 28 | Design of an Electro-Optic Modulator Based on a Silicon-Plasmonic Hybrid Phase Shifter. <i>Journal of Lightwave Technology</i> , 2013, 31, 1170-1177.                             | 4.6 | 46        |
| 29 | Video-Rate Holographic Display Using Azo-Dye-Doped Liquid Crystal. <i>Journal of Display Technology</i> , 2014, 10, 438-443.  | 1.2 | 46        |
| 30 | Architecture and Devices for Silicon Photonic Switching in Wavelength, Polarization and Mode. <i>Journal of Lightwave Technology</i> , 2020, 38, 215-225.                         | 4.6 | 46        |
| 31 | 40Gbit/s signal format conversion from NRZ to RZ using a Mach-Zehnder delay interferometer. <i>Optics Communications</i> , 2005, 248, 419-422.                                    | 2.1 | 45        |
| 32 | Graphene decorated microfiber for ultrafast optical modulation. <i>Optics Express</i> , 2015, 23, 10764.  | 3.4 | 45        |
| 33 | Passive silicon photonic devices for microwave photonic signal processing. <i>Optics Communications</i> , 2016, 373, 44-52.   | 2.1 | 45        |
| 34 | All-Optical Format Conversion From NRZ to BPSK Using a Single Saturated SOA. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 2368-2370.                                      | 2.5 | 42        |
| 35 | Mode and Polarization-Division Multiplexing Based on Silicon Nitride Loaded Lithium Niobate on Insulator Platform. <i>Laser and Photonics Reviews</i> , 2022, 16, .               | 8.7 | 42        |
| 36 | A 24-GHz Ultra-Wideband Over Fiber System Using Photonic Generation and Frequency Up-Conversion. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 1651-1653.                  | 2.5 | 41        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | High efficiency green phosphorescent organic light-emitting diodes with a low roll-off at high brightness. <i>Organic Electronics</i> , 2013, 14, 2854-2858.   | 2.6 | 41        |
| 38 | Multi-scale GCN-assisted two-stage network for joint segmentation of retinal layers and discs in peripapillary OCT images. <i>Biomedical Optics Express</i> , 2021, 12, 2204.                            | 2.9 | 41        |
| 39 | Fast switching characteristics of a widely tunable laser transmitter. <i>IEEE Photonics Technology Letters</i> , 2003, 15, 1038-1040.  | 2.5 | 40        |
| 40 | Single-exposure fabrication of tunable Pancharatnam-Berry devices using a dye-doped liquid crystal. <i>Optics Express</i> , 2019, 27, 9054.  | 3.4 | 40        |
| 41 | Subwavelength structured silicon waveguides and photonic devices. <i>Nanophotonics</i> , 2020, 9, 1321-1340.   | 6.0 | 40        |
| 42 | Perspective on mode-division multiplexing. <i>Applied Physics Letters</i> , 2021, 118, .   | 3.3 | 39        |
| 43 | Ultracompact and low-power-consumption silicon thermo-optic switch for high-speed data. <i>Nanophotonics</i> , 2020, 10, 937-945.  | 6.0 | 39        |
| 44 | Nested Configuration of Silicon Microring Resonator With Multiple Coupling Regimes. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 580-583.  | 2.5 | 37        |
| 45 | Improved Kerr constant and response time of polymer-stabilized blue phase liquid crystal with a reactive diluent. <i>Applied Physics Letters</i> , 2013, 102, .  | 3.3 | 37        |
| 46 | Silicon photonic bandpass filter based on apodized subwavelength grating with high suppression ratio and short coupling length. <i>Optics Express</i> , 2017, 25, 11359.                                 | 3.4 | 36        |
| 47 | Low Loss, Large Bandwidth Fiber-Chip Edge Couplers Based on Silicon-on-Insulator Platform. <i>Journal of Lightwave Technology</i> , 2020, 38, 4780-4786.   | 4.6 | 35        |
| 48 | All-optical format conversions from NRZ to BPSK and QPSK based on nonlinear responses in silicon microring resonators. <i>Optics Express</i> , 2007, 15, 14275.  | 3.4 | 33        |
| 49 | Demonstration and Scalability Analysis of All-Optical Virtual Private Network in Multiple Passive Optical Networks Using ASK/FSK Format. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 1595-1597. | 2.5 | 33        |
| 50 | High-speed electro-optic modulator based on silicon nitride loaded lithium niobate on an insulator platform. <i>Optics Letters</i> , 2021, 46, 5986.   | 3.3 | 33        |
| 51 | All-optical virtual private network in passive optical networks. <i>Laser and Photonics Reviews</i> , 2008, 2, 460-479.  | 8.7 | 32        |
| 52 | Ultra-compact tunable silicon nanobeam cavity with an energy-efficient graphene micro-heater. <i>Optics Express</i> , 2017, 25, 19479.   | 3.4 | 32        |
| 53 | Integrated Neuromorphic Photonics: Synapses, Neurons, and Neural Networks. <i>Advanced Photonics Research</i> , 2021, 2, 2000212.  | 3.6 | 32        |
| 54 | Generation and transmission of multiband and multi-gigabit 60-GHz MMW signals in an RoF system with frequency quintupling technique. <i>Optics Express</i> , 2013, 21, 9899.                             | 3.4 | 31        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 55 | Random laser emission in a sphere-phase liquid crystal. <i>Applied Physics Letters</i> , 2015, 106, .  | 3.3  | 31        |
| 56 | Compact design for optical-see-through holographic displays employing holographic optical elements. <i>Optics Express</i> , 2018, 26, 22866.   | 3.4  | 31        |
| 57 | Dynamic compensatory Gerchbergâ€™Saxton algorithm for multiple-plane reconstruction in holographic displays. <i>Optics Express</i> , 2019, 27, 8958.   | 3.4  | 31        |
| 58 | A WDM passive optical network enabling multicasting with color-free ONUs. <i>Optics Express</i> , 2008, 16, 10434.   | 3.4  | 30        |
| 59 | The Influence of polymer system on polymer-stabilised blue phase liquid crystals. <i>Liquid Crystals</i> , 2014, 41, 891-896.  | 2.2  | 30        |
| 60 | Broadband photodetection in a microfiber-graphene device. <i>Optics Express</i> , 2015, 23, 25209.   | 3.4  | 30        |
| 61 | Ultra-compact silicon mode-order converters based on dielectric slots. <i>Optics Letters</i> , 2020, 45, 3797.   | 3.3  | 30        |
| 62 | Nonlinear co-generation of graphene plasmons for optoelectronic logic operations. <i>Nature Communications</i> , 2022, 13, .   | 12.8 | 30        |
| 63 | Low-voltage blue-phase liquid crystals with polyaniline-functionalized graphene nanosheets. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1730.   | 5.5  | 29        |
| 64 | Polymer-stabilized blue-phase liquid crystal grating cured with interfered visible light. <i>Optics Express</i> , 2015, 23, 20007.   | 3.4  | 29        |
| 65 | Photonic generation of microwave frequency shift keying signal using a single-drive Machâ€™Zehnder modulator. <i>Optics Express</i> , 2014, 22, 14433.   | 3.4  | 28        |
| 66 | Holographic display and storage based on photo-responsive liquid crystals. <i>Liquid Crystals Reviews</i> , 2016, 4, 83-100.   | 4.1  | 28        |
| 67 | Transmission of an ASK-Labeled RZ-DPSK Signal and Label Erasure Using a Saturated SOA. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 1594-1596.   | 2.5  | 27        |
| 68 | Self-Pumping Wavelength Conversion for DPSK Signals and DQPSK Generation Through Four-Wave Mixing in Highly Nonlinear Optical Fiber. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 2389-2391.                             | 2.5  | 27        |
| 69 | Generation and Transmission of Optical Carrier Suppressed-Optical Differential (Quadrature) Phase-Shift Keying (OCS-OD(Q)PSK) Signals in Radio Over Fiber Systems. <i>Journal of Lightwave Technology</i> , 2008, 26, 2611-2618. | 4.6  | 27        |
| 70 | Simultaneous generation of independent wired and 60-GHz wireless signals in an integrated WDM-PON-RoF system based on frequency-sextupling and OCS-DPSK modulation. <i>Optics Express</i> , 2012, 20, 14648.                     | 3.4  | 27        |
| 71 | Pushâ€™Pull Optical Nonreciprocal Transmission in Cascaded Silicon Microring Resonators. <i>IEEE Photonics Journal</i> , 2013, 5, 2200307-2200307.   | 2.0  | 27        |
| 72 | Wavelength-tunable all-optical clock recovery using a fiber-optic parametric oscillator. <i>Optics Communications</i> , 2000, 184, 151-156.  | 2.1  | 26        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 73 | Energy-efficient WDM-OFDM-PON employing shared OFDM modulation modules in optical line terminal. <i>Optics Express</i> , 2012, 20, 8071.  | 3.4  | 26        |
| 74 | Recent advances of heterogeneously integrated III-V laser on Si. <i>Journal of Semiconductors</i> , 2019, 40, 101304.   | 3.7  | 26        |
| 75 | All-Optical Spiking Neuron Based on Passive Microresonator. <i>Journal of Lightwave Technology</i> , 2020, 38, 4019-4029.   | 4.6  | 26        |
| 76 | Design and experimental demonstration of a silicon multi-dimensional (de)multiplexer for wavelength-, mode- and polarization-division (de)multiplexing. <i>Optics Letters</i> , 2020, 45, 2846. | 3.3  | 26        |
| 77 | Improved slow-light performance of 10 Gb/s NRZ, PSBT and DPSK signals in fiber broadband SBS. <i>Optics Express</i> , 2007, 15, 16972.  | 3.4  | 25        |
| 78 | Modeling of quasi-grating sidewall corrugation in SOI microring add-drop filters. <i>Optics Communications</i> , 2009, 282, 3464-3467.  | 2.1  | 25        |
| 79 | $\pi/2$ alternate-phase ON-OFF keyed 40-Gb/s transmission on standard single-mode fiber. <i>IEEE Photonics Technology Letters</i> , 2003, 15, 1776-1778.  | 2.5  | 24        |
| 80 | Single-step etched grating couplers for silicon nitride loaded lithium niobate on insulator platform. <i>APL Photonics</i> , 2021, 6, 086108.   | 5.7  | 24        |
| 81 | Design and System Demonstration of a Tunable Slow-Light Delay Line Based on Fiber Parametric Process. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 2575-2577.                           | 2.5  | 23        |
| 82 | High-Efficiency Video-Rate Holographic Display Using Quantum Dot Doped Liquid Crystal. <i>Journal of Display Technology</i> , 2016, 12, 362-367.  | 1.2  | 23        |
| 83 | Single-resonance silicon nanobeam filter with an ultra-high thermo-optic tuning efficiency over a wide continuous tuning range. <i>Optics Letters</i> , 2018, 43, 4518.                         | 3.3  | 23        |
| 84 | All-optical silicon microring spiking neuron. <i>Photonics Research</i> , 2022, 10, 939.  | 7.0  | 23        |
| 85 | Metamaterial-enabled arbitrary on-chip spatial mode manipulation. <i>Light: Science and Applications</i> , 2022, 11, .  | 16.6 | 23        |
| 86 | Ultrahigh-speed optical phase correlated data signals. <i>IEEE Photonics Technology Letters</i> , 2003, 15, 1597-1599.  | 2.5  | 22        |
| 87 | Pulse Delay and Advancement in SOI Microring Resonators With Mutual Mode Coupling. <i>Journal of Lightwave Technology</i> , 2009, 27, 4734-4743.  | 4.6  | 22        |
| 88 | Enhanced fast light in microfiber ring resonator with a Sagnac loop reflector. <i>Optics Express</i> , 2010, 18, 16156.   | 3.4  | 22        |
| 89 | Mode-Selective Hybrid Plasmonic Bragg Grating Reflector. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1765-1767.  | 2.5  | 22        |
| 90 | Ultracompact Fiber-to-Chip Metamaterial Edge Coupler. <i>ACS Photonics</i> , 2021, 8, 3226-3233.  | 6.6  | 22        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 91  | All-optical regenerative NRZ-to-RZ format conversion using coupled ring-resonator optical waveguide. <i>Optics Express</i> , 2008, 16, 15325.  | 3.4  | 21        |
| 92  | Physical Layer Encryption in OFDM-PON Employing Time-Variable Keys From ONUs. <i>IEEE Photonics Journal</i> , 2014, 6, 1-6.  | 2.0  | 21        |
| 93  | Polarization insensitive widely tunable all-optical clock recovery based on AM mode-locking of a fiber ring laser. <i>IEEE Photonics Technology Letters</i> , 2000, 12, 211-213.                     | 2.5  | 20        |
| 94  | Broadband Polarization Beam Splitter by Using Cascaded Tapered Bent Directional Couplers. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8.   | 2.0  | 20        |
| 95  | Accurate Field Reconstruction at Low CSPR Condition Based on a Modified KK Receiver With Direct Detection. <i>Journal of Lightwave Technology</i> , 2020, 38, 485-491.                               | 4.6  | 20        |
| 96  | High-efficiency and broadband four-wave mixing in a silicon-graphene strip waveguide with a windowed silica top layer. <i>Photonics Research</i> , 2018, 6, 965.                                     | 7.0  | 20        |
| 97  | A bidirectional radio over fiber system with multiband-signal generation using one single-drive MZM. <i>Optics Express</i> , 2011, 19, 5196.   | 3.4  | 19        |
| 98  | Reflection chromaticity of cholesteric liquid crystals with sandwiched periodical isotropic defect layers. <i>Optics Communications</i> , 2011, 284, 4022-4027.                                      | 2.1  | 19        |
| 99  | Compact all-optical differential-equation solver based on silicon microring resonator. <i>Frontiers of Optoelectronics</i> , 2012, 5, 99-106.  | 3.7  | 19        |
| 100 | Fast-response Pancharatnam-Berry phase optical elements based on polymer-stabilized liquid crystal. <i>Optics Express</i> , 2019, 27, 22522.   | 3.4  | 19        |
| 101 | Chirp-free optical modulation using a silicon push-pull coupling microring. <i>Optics Letters</i> , 2009, 34, 785.   | 3.3  | 18        |
| 102 | Flexible and Concurrent All-Optical VPN in OFDMA PON. <i>IEEE Photonics Journal</i> , 2013, 5, 7902707-7902707.  | 2.0  | 18        |
| 103 | Energy-efficient optical network units for OFDM PON based on time-domain interleaved OFDM technique. <i>Optics Express</i> , 2014, 22, 13043.  | 3.4  | 18        |
| 104 | A High-Speed Second-Order Photonic Differentiator Based on Two-Stage Silicon Self-Coupled Optical Waveguide. <i>IEEE Photonics Journal</i> , 2014, 6, 1-5.   | 2.0  | 18        |
| 105 | Compact silicon three-mode multiplexer by refractive-index manipulation on a multi-mode interferometer. <i>Optics Express</i> , 2021, 29, 13899.   | 3.4  | 18        |
| 106 | On-Line Integrated Routing in Dynamic Multifiber IP/WDM Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2004, 22, 1681-1691.   | 14.0 | 17        |
| 107 | Design and Experimental Demonstration of a Compact Silicon Photonic Interleaver Based on an Interfering Loop With Wide Spectral Range. <i>Journal of Lightwave Technology</i> , 2017, 35, 3765-3771. | 4.6  | 17        |
| 108 | Ultra-compact and broadband silicon polarizer employing a nanohole array structure. <i>Optics Letters</i> , 2021, 46, 194.   | 3.3  | 17        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | On-chip silicon mode blocking filter employing subwavelength-grating based contra-directional coupler. Optics Express, 2018, 26, 33005.  | 3.4 | 17        |
| 110 | Asymmetric Topological Valley Edge States on Silicon-Insulator Platform. Laser and Photonics Reviews, 2022, 16, .  | 8.7 | 17        |
| 111 | All-optical picosecond-pulse packet buffer based on four-wave mixing loading and intracavity soliton control. IEEE Journal of Quantum Electronics, 2002, 38, 614-619.                          | 1.9 | 16        |
| 112 | Introduction to the Special Issue on Nonlinear-Optical Signal Processing. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 527-528.   | 2.9 | 16        |
| 113 | Coherent backlight system for flat-panel holographic 3D display. Optics Communications, 2013, 296, 41-46.  | 2.1 | 16        |
| 114 | Power margin improvement for OFDMA-PON using hierarchical modulation. Optics Express, 2013, 21, 8261.  | 3.4 | 16        |
| 115 | Non-blocking $2 \times 2$ switching unit based on nested silicon microring resonators with high extinction ratios and low crosstalks. Science Bulletin, 2014, 59, 2702-2708.                   | 1.7 | 16        |
| 116 | Highly photorefractive hybrid liquid crystal device for a video-rate holographic display. Optics Express, 2016, 24, 8824.  | 3.4 | 16        |
| 117 | Integrated Subwavelength Gratings on a Lithium Niobate on Insulator Platform for Mode and Polarization Manipulation. Laser and Photonics Reviews, 2022, 16, .                                  | 8.7 | 16        |
| 118 | $\pi/2$ Alternate-Phase On-Off Keyed 42.7 Gb/s Long-Haul Transmission Over 1980 km of Standard Single-Mode Fiber. IEEE Photonics Technology Letters, 2004, 16, 906-908.                        | 2.5 | 15        |
| 119 | Generation of Multiband Signals in a Bidirectional Wireless Over Fiber System With High Scalability Using Heterodyne Mixing Technique. IEEE Photonics Technology Letters, 2012, 24, 1621-1624. | 2.5 | 15        |
| 120 | Chiral-induced self-assembly sphere phase liquid crystal with fast switching time. Applied Physics Letters, 2014, 104, 091116.   | 3.3 | 15        |
| 121 | Polymer-Stabilized Blue-Phase Liquid Crystal Fresnel Lens Cured With Patterned Light Using a Spatial Light Modulator. Journal of Display Technology, 2016, 12, 1008-1012.                      | 1.2 | 15        |
| 122 | Tunable Silicon Photonic RF Phase Shifter With Low RF Power Variation Based on Constructive Interference of an Add-Drop Ring Resonator. IEEE Photonics Journal, 2018, 10, 1-8.                 | 2.0 | 15        |
| 123 | Wide Dynamic Range 10-Gb/s DPSK Packet Receiver Using Optical-Limiting Amplifiers. IEEE Photonics Technology Letters, 2004, 16, 296-298.   | 2.5 | 14        |
| 124 | Simultaneous demodulation and slow light of differential phase-shift keying signals using stimulated-Brillouin-scattering-based optical filtering in fiber. Optics Letters, 2007, 32, 3182.    | 3.3 | 14        |
| 125 | All-optical regenerative NRZ-OOK-to-RZ-BPSK format conversion using silicon waveguides. Optics Letters, 2009, 34, 58.  | 3.3 | 14        |
| 126 | Reconfigurable and Scalable All-Optical VPN in WDM PON. IEEE Photonics Technology Letters, 2011, 23, 941-943.  | 2.5 | 14        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Monolithic silicon-based 16-QAM modulator using two plasmonic phase shifters. Optics Communications, 2013, 286, 166-170.  | 2.1 | 14        |
| 128 | On-chip silicon polarization and mode handling devices. Frontiers of Optoelectronics, 2018, 11, 77-91.  | 3.7 | 14        |
| 129 | Silicon Polarization Splitter and Rotator using a Subwavelength Grating based Directional Coupler. , 2017, , .  |     | 14        |
| 130 | Complementary Polarization-Diversity Coherent Receiver for Self-Coherent Homodyne Detection With Rapid Polarization Tracking. Journal of Lightwave Technology, 2022, 40, 2773-2779.                     | 4.6 | 14        |
| 131 | System Performances of On-Chip Silicon Microring Delay Line for RZ, CSRZ, RZ-DB and RZ-AMI Signals. Journal of Lightwave Technology, 2008, 26, 3744-3751.   | 4.6 | 13        |
| 132 | Generation of optical carrier suppressed-differential phase shift keying (OCS-DPSK) format using one dual-parallel Mach-Zehnder modulator in radio over fiber systems. Optics Express, 2008, 16, 10421. | 3.4 | 13        |
| 133 | 59.4: Real-time Dynamic Holographic Display Based on a Liquid Crystal Thin Film. Digest of Technical Papers SID International Symposium, 2012, 43, 804-807.   | 0.3 | 13        |
| 134 | SQNR Improvement Enabled by Nonuniform DAC Output Levels for IM-DD OFDM Systems. IEEE Photonics Journal, 2017, 9, 1-11.   | 2.0 | 13        |
| 135 | Colour 3D holographic display based on a quantum-dot-doped liquid crystal. Liquid Crystals, 2019, 46, 1478-1484.  | 2.2 | 13        |
| 136 | Multiplane displays based on liquid crystals for AR applications. Journal of the Society for Information Display, 2020, 28, 224-240.  | 2.1 | 13        |
| 137 | 112-Gb/s SSB 16-QAM signal transmission over 120-km SMF with direct detection using a MIMO-ANN nonlinear equalizer. Optics Express, 2019, 27, 12794.  | 3.4 | 13        |
| 138 | A cost-effective WDM-PON architecture simultaneously supporting wired, wireless and optical VPN services. Optics Communications, 2011, 284, 1139-1145.  | 2.1 | 12        |
| 139 | Full-color multi-plane optical see-through head-mounted display for augmented reality applications. Journal of the Society for Information Display, 2018, 26, 687-693.                                  | 2.1 | 12        |
| 140 | On-Chip Multi-Mode Manipulation via 2D Refractive-Index Perturbation on a Waveguide. Advanced Optical Materials, 2020, 8, 2000996.  | 7.3 | 12        |
| 141 | Deep-learning-enabled high-performance full-field direct detection with dispersion diversity. Optics Express, 2022, 30, 11767.  | 3.4 | 12        |
| 142 | Ultra high-speed data signals with alternating and pairwise alternating optical phases. Journal of Lightwave Technology, 2005, 23, 26-31.   | 4.6 | 11        |
| 143 | Optical VPN Connecting ONUs in Different PONs. , 2007, , .  |     | 11        |
| 144 | DPSK/FSK Hybrid Modulation Format and Analysis of Its Nonlinear Performance. Journal of Lightwave Technology, 2008, 26, 357-364.  | 4.6 | 11        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | Simultaneous Transmission of Point-to-Point Data and Selective Delivery of Video Services in a WDM-PON Using ASK/SCM Modulation Format. , 2008, , .  |     | 11        |
| 146 | Design of a high-modulation-depth, low-energy silicon modulator based on coupling tuning in a resonance-split microring. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 3047. | 2.1 | 11        |
| 147 | Fringing field-induced monodomain of a polymer-stabilized blue phase liquid crystal. Applied Physics Letters, 2015, 107, .   | 3.3 | 11        |
| 148 | 51â€³: A Multiâ€³plane Optical Seeâ€³through Head Mounted Display with Reverse Mode PSLC. Digest of Technical Papers SID International Symposium, 2017, 48, 763-766.                                   | 0.3 | 11        |
| 149 | VSB Modified Duobinary PAM4 Signal Transmission in an IM/DD System With Mitigated Image Interference. IEEE Photonics Technology Letters, 2020, 32, 363-366.  | 2.5 | 11        |
| 150 | Hybrid photonics beyond silicon. APL Photonics, 2020, 5, 020402.   | 5.7 | 11        |
| 151 | Critical temperature in phase transition of blue phase liquid crystal. Optical Materials Express, 2013, 3, 928.  | 3.0 | 10        |
| 152 | High-capacity and low-cost long-reach OFDMA PON based on distance-adaptive bandwidth allocation. Optics Express, 2015, 23, 1249.   | 3.4 | 10        |
| 153 | Improvement of diffraction efficiency of flat-panel coherent backlight for holographic displays. Optics Express, 2015, 23, 4726.   | 3.4 | 10        |
| 154 | Conversions among binary optical modulation formats. Optics Express, 2008, 16, 3853.   | 3.4 | 9         |
| 155 | A flexible multi-16QAM transmitter based on cascaded dual-parallel Mach-Zehnder modulator and phase modulator. Science China Technological Sciences, 2013, 56, 598-602.                                | 4.0 | 9         |
| 156 | Dual structure of cholesteric liquid crystal device for high reflectance. Electronic Materials Letters, 2013, 9, 735-740.  | 2.2 | 9         |
| 157 | Dynamics of peristrophic multiplexing in holographic polymer-dispersed liquid crystal. Liquid Crystals, 2014, 41, 673-684.   | 2.2 | 9         |
| 158 | 51.1: Realâ€³Time Holographic Display Using Quantum Dot Doped Liquid Crystal. Digest of Technical Papers SID International Symposium, 2014, 45, 736-738.   | 0.3 | 9         |
| 159 | Reconfigurable UWB Pulse Generation Based on a Dual-Drive Machâ€³Zehnder Modulator. IEEE Photonics Journal, 2014, 6, 1-6.  | 2.0 | 9         |
| 160 | Photonic Generation of 3-D UWB Signal Using a Dual-Drive Mach-Zehnder Modulator. IEEE Photonics Technology Letters, 2014, 26, 1434-1437.   | 2.5 | 9         |
| 161 | Transmissive Interferometric Display With Single-Layer Fabryâ€³PÃ©rot Filter. Journal of Display Technology, 2015, 11, 715-719.  | 1.2 | 9         |
| 162 | Proposed high-speed micron-scale spatial light valve based on a silicon-graphene hybrid structure. Optics Letters, 2015, 40, 4480.   | 3.3 | 9         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 163 | Real-time Holographic Display Based on a Super Fast Response Thin Film. Journal of Physics: Conference Series, 2013, 415, 012052.   | 0.4 | 8         |
| 164 | 30.4: Multi-plane Holographic Display with a Uniform 3D Gerchberg-Saxton Algorithm. Digest of Technical Papers SID International Symposium, 2015, 46, 442-445.              | 0.3 | 8         |
| 165 | 3-1: A Multi-plane Volumetric Optical See-through Head Mounted 3D Display. Digest of Technical Papers SID International Symposium, 2016, 47, 1-3.                           | 0.3 | 8         |
| 166 | Polymer network liquid crystal grating/Fresnel lens fabricated by holography. Liquid Crystals, 2017, 44, 873-879.   | 2.2 | 8         |
| 167 | Demonstration of a Push-Pull Silicon Dual-Ring Modulator With Enhanced Optical Modulation Amplitude. Journal of Lightwave Technology, 2020, 38, 3694-3700.                  | 4.6 | 8         |
| 168 | Carrier Assisted Differential Detection With Generalized and Simplified Receiver Structure. Journal of Lightwave Technology, 2021, 39, 7159-7167.                           | 4.6 | 8         |
| 169 | Self-homodyne wavelength locking of a silicon microring resonator. Optics Express, 2019, 27, 36625.   | 3.4 | 8         |
| 170 | Silicon-integrated high-speed mode and polarization switch-and-selector. Journal of Semiconductors, 2022, 43, 022301.   | 3.7 | 8         |
| 171 | On-chip Metamaterial Enabled Wavelength (De)Multiplexer. Laser and Photonics Reviews, 2022, 16, .   | 8.7 | 8         |
| 172 | Monolithic Photonic Integrated Circuit Based on Silicon Nitride and Lithium Niobate on Insulator Hybrid Platform. Advanced Photonics Research, 2022, 3, .                   | 3.6 | 8         |
| 173 | 40-Gb/s star 16-QAM transmitter based on single dual-drive Mach-Zehnder modulator. Chinese Optics Letters, 2009, 7, 109-111.  | 2.9 | 7         |
| 174 | Real-Time Dynamic Holographic 3-D Display. Information Display, 2012, 28, 17-20.  | 0.2 | 7         |
| 175 | Efficient Fiber-to-Slot-Waveguide Grating Couplers Based on a Double-Strip Waveguide. IEEE Photonics Technology Letters, 2013, 25, 2377-2380.                               | 2.5 | 7         |
| 176 | High-performance green phosphorescent top-emitting organic light-emitting diodes based on FDTD optical simulation. Organic Electronics, 2014, 15, 864-870.                  | 2.6 | 7         |
| 177 | Carrier-assisted differential detection with reduced guard band and high electrical spectral efficiency. Optics Express, 2021, 29, 33502.                                   | 3.4 | 7         |
| 178 | Ultrabroadband Power Coupling and Mode-Order Conversion Based on Trapezoidal Subwavelength Gratings. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-8. | 2.9 | 7         |
| 179 | Compact CWDM interleaver based on an interfering loop containing a one-dimensional Fabry-Perot cavity. Optics Letters, 2018, 43, 1071.                                      | 3.3 | 7         |
| 180 | On-chip mode division (de)multiplexer for multi-band operation. Optics Express, 2022, 30, 22779.  | 3.4 | 7         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 181 | An optical (Q)PSK-RF-signal transmitter based on two cascaded Mach-Zehnder modulators. Optics Communications, 2008, 281, 4648-4652.   | 2.1 | 6         |
| 182 | 10.3: Polymerization Effect on Electro-Optic Properties of Blue Phase Liquid Crystals. Digest of Technical Papers SID International Symposium, 2012, 43, 106-108.   | 0.3 | 6         |
| 183 | Ultracompact bandwidth-tunable filter based on subwavelength grating-assisted contra-directional couplers. Frontiers of Optoelectronics, 2021, 14, 374-380.   | 3.7 | 6         |
| 184 | On-Chip Mode-Division Multiplexing Transmission With Modal Crosstalk Mitigation Employing Low-Coherence Matched Detection. Journal of Lightwave Technology, 2021, 39, 2008-2014.                              | 4.6 | 6         |
| 185 | Demonstration of terabit coherent on-chip optical interconnects employing mode-division multiplexing. Optics Letters, 2021, 46, 2292.   | 3.3 | 6         |
| 186 | Integrated Neuromorphic Photonics: Synapses, Neurons, and Neural Networks. Advanced Photonics Research, 2021, 2, 2170019.   | 3.6 | 6         |
| 187 | Ultra-narrow passband-tunable filter based on a high-Q silicon racetrack resonator. Optics Letters, 2021, 46, 5575.   | 3.3 | 6         |
| 188 | Effect of spectral leakage on the image formation of Fourier-domain optical coherence tomography. Optics Letters, 2020, 45, 6394.   | 3.3 | 6         |
| 189 | Mode and Polarization-Division Multiplexing Based on Silicon Nitride Loaded Lithium Niobate on Insulator Platform (Laser Photonics Rev. 16(1)/2022). Laser and Photonics Reviews, 2022, 16, .                 | 8.7 | 6         |
| 190 | Graphene plasmonic spatial light modulator for reconfigurable diffractive optical neural networks. Optics Express, 2022, 30, 12712.   | 3.4 | 6         |
| 191 | Synchronously mode-locked fiber laser based on parametric gain modulation and soliton shaping. Optics Communications, 2001, 194, 313-317.   | 2.1 | 5         |
| 192 | Experimental demonstration and cascability analysis of a tunable optical buffer based on a re-circulating loop consisting of optical SSB modulator and FBG filter. Optics Communications, 2007, 280, 271-277. | 2.1 | 5         |
| 193 | Ultra-compact broadband silicon polarization beam splitter based on a bridged bent directional coupler. , 2016, , .   |     | 5         |
| 194 | A Silicon Photonic RF Phase Shifter With Linear Phase Response and Low RF Power Variation. IEEE Photonics Technology Letters, 2019, 31, 713-716.  | 2.5 | 5         |
| 195 | Performance Study of 40-Gb/s RZ Signals Through Cascaded Thin-Film Filters with Large Dispersion Slope. Optics Express, 2005, 13, 2176.   | 3.4 | 4         |
| 196 | Optical VPN in PON Using TDM-FDM signal format. , 2006, , .   |     | 4         |
| 197 | Design of plasmon waveguide with strong field confinement and low loss for nonlinearity enhancement. , 2010, , .  |     | 4         |
| 198 | P.111: Double Hybrid Tandem White OLED Employing a Novel Charge Generation Unit. Digest of Technical Papers SID International Symposium, 2013, 44, 1403-1406.   | 0.3 | 4         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 199 | P.110: High-Efficiency OLEDs Based on the Gradient Doping in Transporting Layers. Digest of Technical Papers SID International Symposium, 2013, 44, 1400-1402.                   | 0.3 | 4         |
| 200 | Silicon Reconfigurable Electro-Optical Logic Circuit Enabled by a Single-Wavelength Light Input. IEEE Photonics Technology Letters, 2019, 31, 435-438.                           | 2.5 | 4         |
| 201 | Fast Wavelength Seeking in a Silicon Dual-Ring Switch Based on Artificial Neural Networks. Journal of Lightwave Technology, 2020, 38, 5078-5085.                                 | 4.6 | 4         |
| 202 | FTN SSB 16-QAM Signal Transmission and Direct Detection Based on Tomlinson-Harashima Precoding With Computed Coefficients. Journal of Lightwave Technology, 2021, 39, 2059-2066. | 4.6 | 4         |
| 203 | Large Depth of Range Maxwellian-Viewing SMV Near-Eye Display Based on a Pancharatnam-Berry Optical Element. IEEE Photonics Journal, 2022, 14, 1-7.                               | 2.0 | 4         |
| 204 | Record high-order mode-division-multiplexed transmission on chip using gradient-duty-cycle subwavelength gratings. , 2021, , .   |     | 4         |
| 205 | Generation and detection of 80-Gbit/s return-to-zero differential phase-shift keying signals. Optics Letters, 2003, 28, 2461.  | 3.3 | 3         |
| 206 | Propagation of 10-Gb/s RZ data through a slow-light fiber delay-line based on parametric process. , 2006, , .  |     | 3         |
| 207 | Optimal operating conditions and modulation format for 160 Gb/s signals in a fiber parametric amplifier used as a slow-light delay line element. , 2007, , .                     |     | 3         |
| 208 | A cost-effective 100-Gb/s transmitter with low-speed optoelectronic devices and high spectral efficiency. Chinese Optics Letters, 2008, 6, 550-552.                              | 2.9 | 3         |
| 209 | Wavelength conversion in a silicon mode-split micro-ring resonator with 1G data rate. , 2008, , .  |     | 3         |
| 210 | Ultra-compact mode-split silicon microring resonator for format conversion from NRZ to FSK. , 2008, , .  |     | 3         |
| 211 | Energy-efficient optical line terminal for WDM-OFDM-PON based on two-dimensional subcarrier and layer allocation. Optics Express, 2012, 20, 25284.                               | 3.4 | 3         |
| 212 | An OFDMA-PON architecture supporting flexible all-optical VPN with source-free ONUs. , 2012, , .   |     | 3         |
| 213 | 20.1: Color Holographic Display Based on Fast-Response Liquid Crystal Cell. Digest of Technical Papers SID International Symposium, 2013, 44, 228-230.                           | 0.3 | 3         |
| 214 | Double-layer Fabry-Pérot filter interferometric modulator display. Journal of Information Display, 2013, 14, 121-125.  | 4.0 | 3         |
| 215 | 37.3: Polymer-Stabilized Blue-Phase Liquid Crystal Cured with a Visible Laser. Digest of Technical Papers SID International Symposium, 2015, 46, 549-552.                        | 0.3 | 3         |
| 216 | P104: Holographic See-through AR Display with Zero-Order Eliminated. Digest of Technical Papers SID International Symposium, 2017, 48, 1638-1640.                                | 0.3 | 3         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 217 | P&#201: <i>Late&#201 News Poster:</i> Super Multi&#201View 3D Display Based on Polarization Multiplexing. Digest of Technical Papers SID International Symposium, 2019, 50, 1587-1590.                              | 0.3 | 3         |
| 218 | Dynamic direct-writing optical holographic display based on quantum-dot-doped liquid crystal. Liquid Crystals, 2021, 48, 844-849.   | 2.2 | 3         |
| 219 | 42.6: Maxwellian&#201Viewing&#201Super&#201multi&#201view near eye display using a Pancharatnam&#201Berry optical element. Digest of Technical Papers SID International Symposium, 2021, 52, 533-536.               | 0.3 | 3         |
| 220 | Chip-scale humidity sensor based on a silicon nanobeam cavity. Optics Letters, 2019, 44, 5322.  | 3.3 | 3         |
| 221 | Multi-scale sparse representation-based shadow inpainting for retinal OCT images. , 2022, , .   |     | 3         |
| 222 | Ultra-broadband on-chip beam focusing enabled by GRIN metalens on silicon-on-insulator platform. Nanophotonics, 2022, 11, 3603-3612.  | 6.0 | 3         |
| 223 | A two-stage metro-access integrated network enabling all-optical virtual private network. , 2008, , .   |     | 2         |
| 224 | Optically tuneable microwave-photonic phase shifter based on silicon microring resonator. , 2008, , .   |     | 2         |
| 225 | Multiple 16QAM signals generation at 40Gbit/s using a novel transmitter. , 2009, , .  |     | 2         |
| 226 | Broadband optical parametric amplifier in ultra-compact plasmonic waveguide. , 2010, , .  |     | 2         |
| 227 | Filter-less frequency quadrupling technique for optical millimeter-wave signal generation based on one single-drive Mach-Zehnder modulator. , 2010, , .   |     | 2         |
| 228 | 2-Face Viewable Liquid Crystal Display by In-Plane Switching. Molecular Crystals and Liquid Crystals, 2011, 544, 232/[1220]-236/[1224].   | 0.9 | 2         |
| 229 | P&#87: Ultra&#201High Transmittance Blue Phase LCD with Double In&#201Plane Switching Electrodes. Digest of Technical Papers SID International Symposium, 2012, 43, 1389-1392.                                      | 0.3 | 2         |
| 230 | 26.1: <i>Distinguished Paper</i>: Single&#201Layer Fabry&#201P&#201rot Interferometric Display for Both Color and Intensity Modulations. Digest of Technical Papers SID International Symposium, 2014, 45, 338-340. | 0.3 | 2         |
| 231 | High&#201efficiency organic light&#201emitting diodes based on the gradient doping and nonlinear cross&#201fading doping in transporting layers. Journal of the Society for Information Display, 2014, 22, 83-88.   | 2.1 | 2         |
| 232 | P&#120: Temperature Dependence of Dynamic Holographic Displays using Doped Liquid Crystals. Digest of Technical Papers SID International Symposium, 2015, 46, 1618-1620.  | 0.3 | 2         |
| 233 | P-139: Polymer Network Liquid Crystal Grating Cured with Interfered Visible Light. Digest of Technical Papers SID International Symposium, 2016, 47, 1642-1644.   | 0.3 | 2         |
| 234 | On-chip Silicon Three-mode (De)Multiplexer Employing Subwavelength Grating Structure. , 2017, , .   |     | 2         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 235 | Integrated Multi-Channel Millimeter Wave Photonic Generation Based on A Silicon Chip with Automated Polarization Control. , 2018, , .             |     | 2         |
| 236 | Efficient and Broadband Four-Wave Mixing in a Compact Silicon Subwavelength Nanohole Waveguide. Advanced Optical Materials, 2019, 7, 1900810.     | 7.3 | 2         |
| 237 | Demonstration of 160 Gb/s On-chip Mode-division Multiplexing Transmission. , 2020, , .  |     | 2         |
| 238 | Fast and Wide-Range Wavelength Locking Based on a Two-Layer Neural Network in a Silicon Microring Switch. , 2019, , .                             |     | 2         |
| 239 | Zero-guard band dual-SSB PAM4 signal transmission with joint equalization scheme. Optics Letters, 2020, 45, 6178.                                 | 3.3 | 2         |
| 240 | Arbitrary access to optical carriers in silicon photonic mode/wavelength hybrid division multiplexing circuits. Optics Letters, 0, , .            | 3.3 | 2         |
| 241 | Performance Investigation of a Multiformat Transmitter With Pulsewidth Tunability. IEEE Photonics Technology Letters, 2006, 18, 2305-2307.        | 2.5 | 1         |
| 242 | All-Optical Virtual-Private-Network in Access Networks. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , . | 0.0 | 1         |
| 243 | Optical signal processing in silicon nano-waveguides. , 2008, , .   |     | 1         |
| 244 | Slow Light and Signal Processing in Silicon Nano-waveguides. , 2008, , .  |     | 1         |
| 245 | An All-optical Metro-Access Interface for a PON System Based on NRZ to FSK Format Conversion. , 2008, , .   |     | 1         |
| 246 | Stability Study of ZnO TFT using a Simple and Effective Model. ECS Transactions, 2009, 22, 201-206.   | 0.5 | 1         |
| 247 | Generation of linearized optical single sideband signal for broadband radio over fiber systems. Chinese Optics Letters, 2009, 7, 339-343.         | 2.9 | 1         |
| 248 | A reconfigurable all-optical VPN based on XGM effect of SOA in WDM PON. , 2010, , .   |     | 1         |
| 249 | Highly-nonlinear ultrafast plasmonic waveguide device on SOI. , 2010, , .   |     | 1         |
| 250 | A 60-GHz RoF system in WDM-PON with reduced number of modulators and low-cost electronics. , 2010, , .  |     | 1         |
| 251 | A multiband radio over fiber system using one single-drive Mach-Zehnder modulator. , 2010, , .  |     | 1         |
| 252 | P&A161: A Mono/Dual-View Switchable LCD. Digest of Technical Papers SID International Symposium, 2011, 42, 1707-1710.                             | 0.3 | 1         |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 253 | High-speed, compact silicon and hybrid plasmonic waveguides for signal processing. <i>Frontiers of Optoelectronics in China</i> , 2011, 4, 264-269.  | 0.2 | 1         |
| 254 | All-optical signal processing using integrated silicon photonic devices. , 2012, , .   |     | 1         |
| 255 | Compact high-speed all-optical differential-equation solver on a silicon-on-insulator platform. , 2013, , .  |     | 1         |
| 256 | P.104: 2â€œFace Viewable Display Using Dyeâ€œDoped Liquid Crystal. <i>Digest of Technical Papers SID International Symposium</i> , 2013, 44, 1380-1383.  | 0.3 | 1         |
| 257 | Paper No P09: Electrically Tunable Grating Using Holographic Polymer Templated Blue Phase Liquid Crystal. <i>Digest of Technical Papers SID International Symposium</i> , 2015, 46, 76-76.                               | 0.3 | 1         |
| 258 | Compact high-speed electro-optic modulator based on a silicon photonic-crystal nanobeam cavity with gated graphene. , 2015, , .  |     | 1         |
| 259 | Multiband Ultra-Wideband Signal Generation With Quadrupled Capacity by a Single Modulator. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 1731-1734.   | 2.5 | 1         |
| 260 | P-137: Polymer-Stabilized Blue-Phase Liquid-Crystal Fresnel Lens Cured by Patterned Light Using a Spatial Light Modulator. <i>Digest of Technical Papers SID International Symposium</i> , 2016, 47, 1636-1638.          | 0.3 | 1         |
| 261 | Ultra-broadband Polarization Beam Splitter Based on a Tapered Bent Directional Coupler. , 2018, , .  |     | 1         |
| 262 | Pâ€œ2: Augmented Reality Display Based on Polymerâ€œStabilized Blue Phase Liquid Crystal Combiner. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 572-575.                                    | 0.3 | 1         |
| 263 | Generation and Transmission of SSB-PAM4 Signal with a DSP-free Phase Alignment Scheme. , 2018, , .   |     | 1         |
| 264 | 46.1: Design of Fullâ€œcolor Multiâ€œplane Augmented Reality Display with PSLC Scattering Shutters. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 492-495.                                   | 0.3 | 1         |
| 265 | 27.2: <i>Invited Paper:</i> True 3D displays for AR applications. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 290-294.   | 0.3 | 1         |
| 266 | Pâ€œ201: <i>Lateâ€œNews Poster:</i> Design of Fullâ€œcolor Multiâ€œplane Augmented Reality Display with PSLC Scattering Shuttersâ€. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 1563-1566. | 0.3 | 1         |
| 267 | 17â€œ1: A Flatâ€œpanel Holographicâ€œOpticalâ€œelement System for Holographic Augmented Reality Display with a Beam Expander. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 192-195.         | 0.3 | 1         |
| 268 | 7â€œ4: Late-News Paper: Holographic headâ€œup display with adaptive brightness of ambient light. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 78-80.  | 0.3 | 1         |
| 269 | 35â€œ4: Color holographic display using quantumâ€œdoped liquid crystal. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 493-496.   | 0.3 | 1         |
| 270 | Holographic Displays for AR Applications. , 2019, , .  |     | 1         |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 271 | Multi-Stage Wavelength Locking in a 4x4 Silicon Electro-Optic Switch Based on Dual-Ring Resonators. , 2019, , .  |     | 1         |
| 272 | Ultra-Compact Coupling Structures for Heterogeneously Integrated Silicon Lasers. Journal of Lightwave Technology, 2020, , 1-1.                                       | 4.6 | 1         |
| 273 | Ultra-Compact Band-Pass and Band-Stop Tunable Filters Based on Loop-Cascaded Nanobeam Structure. IEEE Photonics Technology Letters, 2021, 33, 1109-1112.             | 2.5 | 1         |
| 274 | 1.23-Tb/s per Wavelength Single-Waveguide On-Chip Optical Interconnect Enabled by Mode-division Multiplexing. , 2021, , .  |     | 1         |
| 275 | Multi-Channel WDM (De)Multiplexer Based on Multimode Contra-Directional Coupling Using Dielectric Etches. , 2020, , .  |     | 1         |
| 276 | Ultra-Compact Silicon Mode Converter Based on a Zigzag-type Metasurface Structure. , 2021, , .   |     | 1         |
| 277 | On-Chip Mode-division Multiplexing with Modal Crosstalk Mitigation. , 2020, , .  |     | 1         |
| 278 | Single-resonance silicon nanobeam filter with an ultra-high thermo-optic tuning efficiency over a wide continuous tuning range. Optics Letters, 2018, 43, 4518-4521. | 3.3 | 1         |
| 279 | 3D-visual fatigue-free AR displays. , 2022, , .  |     | 1         |
| 280 | An all-fiber low-noise hybrid erbium-Brillouin amplified laser source. , 2006, , .   |     | 0         |
| 281 | Feasibility study of a simple 100Gb/s transmitter with low-speed electronics and 0.8bit/s/Hz spectral efficiency. , 2007, , .  |     | 0         |
| 282 | Widely tunable slow-light delay line using parametric amplification assisted silicon microring resonator. , 2007, , .  |     | 0         |
| 283 | Demonstration of A Time-domain Wavelength Interleaved Network Prototype without Optical Buffers and Fast Switches in the Core Nodes. , 2007, , .                     |     | 0         |
| 284 | An Optical PSK-RF-signal Transmitter based on ASK-to-PSK Conversion and Self-heterodyning. , 2008, , .   |     | 0         |
| 285 | Optical signal processing in SOI waveguide devices. , 2009, , .  |     | 0         |
| 286 | Demonstration of wavelength multicasting using a silicon mode-split microring resonator. , 2009, , .   |     | 0         |
| 287 | Simultaneous transmission of three services in A WDM-PON system with wireless access for multicast data. , 2010, , .   |     | 0         |
| 288 | 80 Gb/s photonic temporal differentiator based on cascaded SOI microring resonators. , 2011, , .   |     | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 289 | Nested silicon microring resonator with multiple coupling regimes. , 2012, , .   |     | 0         |
| 290 | Design of a silicon-plasmonic hybrid electro-optic modulator. , 2012, , .  |     | 0         |
| 291 | Introduction to the Issue on Nonlinear-Optical Signal Processing. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 560-561.   | 2.9 | 0         |
| 292 | An asymmetrically side-coupled Sagnac-loop system with diverse mode splitting properties. , 2013, , .  |     | 0         |
| 293 | Enhanced fast light and low-distortion slow light in microring-resonator assisted Mach-Zehnder Sagnac loop on a silicon-on-insulator platform. , 2013, , .   |     | 0         |
| 294 | 22.3: Polymer System Effect on Polymerâ€Stabilized Blue Phase Liquid Crystals. Digest of Technical Papers SID International Symposium, 2013, 44, 261-263.   | 0.3 | 0         |
| 295 | High-speed fourth-order photonic differentiator based on silicon self-coupled optical-waveguide resonator. , 2014, , .   |     | 0         |
| 296 | Pâ€41: WITHDRAWN: Pâ€42: Highly Efficient Inverted Phosphorescence OLEDs Based on Ultrathin Emitting Layer. Digest of Technical Papers SID International Symposium, 2014, 45, 1518-1521.   | 0.3 | 0         |
| 297 | 46.4: Influence of Space Variant Effect on Axial Error in Digital Holography. Digest of Technical Papers SID International Symposium, 2014, 45, 664-667.   | 0.3 | 0         |
| 298 | Pâ€93: Highly Conductive and Uniform Graphene hybrid Electrode with Chemical Reduction for Flexible Organic Lightâ€Emitting Diodes. Digest of Technical Papers SID International Symposium, 2014, 45, 1336-1339.                         | 0.3 | 0         |
| 299 | Pâ€43: Realization of High Efficiency Green Phosphorescent Topâ€Emitting Organic Lightâ€Emitting Diodes by Employing Ultrathin Nonâ€Doped Emissive Layer. Digest of Technical Papers SID International Symposium, 2014, 45, 1522-1525. | 0.3 | 0         |
| 300 | Variable bandwidth comb filter based on tunable silicon Sagnac-loop reflectors. , 2014, , .  |     | 0         |
| 301 | 36.3: Flatâ€Panel Coherent Backlight for Holographic Displays with Improved Diffraction Efficiency. Digest of Technical Papers SID International Symposium, 2015, 46, 530-533.  | 0.3 | 0         |
| 302 | Second-order silicon photonic differential-equation solver for general linear time-invariant systems. , 2015, , .  |     | 0         |
| 303 | Video-rate color holographic displays using doped liquid crystals. , 2015, , .   |     | 0         |
| 304 | P-84: An Updatable Holographic 3D Display with Accommodation Based on Photorefractive Doped Liquid Crystals. Digest of Technical Papers SID International Symposium, 2016, 47, 1440-1442.  | 0.3 | 0         |
| 305 | A 2Å—2 silicon thermo-optic switch based on nanobeam cavities with ultra-small mode volumes. , 2016, , .   |     | 0         |
| 306 | High-suppression-ratio silicon bandpass filter using apodized subwavelength grating coupler. , 2017, , .   |     | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 307 | 41.3: A flat-panel holographic optical element system for holographic augmented reality display with a beam expander. Digest of Technical Papers SID International Symposium, 2018, 49, 450-453. | 0.3 | 0         |
| 308 | GFDM-OFDM Hybrid Modulation Scheme for IM-DD Optical Communication Systems. , 2018, , .  |     | 0         |
| 309 | P205: Late News Poster: Augmented Reality Display Based on Polymer-Stabilized Blue Phase Liquid Crystal Combiner. Digest of Technical Papers SID International Symposium, 2018, 49, 1758-1761.   | 0.3 | 0         |
| 310 | Liquid Crystal Based Head-Up Display with Electrically Controlled Contrast Ratio. Crystals, 2019, 9, 311.  | 2.2 | 0         |
| 311 | An Approach to Wideband and High Accuracy Microwave Photonic Signal Carrier Recovery Based on Carrier Period Measurement. IEEE Photonics Journal, 2019, 11, 1-14.                                | 2.0 | 0         |
| 312 | Preface to the Special Topic on Compound Semiconductor Materials and Devices on Si. Journal of Semiconductors, 2019, 40, 100101.   | 3.7 | 0         |
| 313 | 33.1: Invited Paper: Multiplane Display Based on Cholesteric Liquid Crystal Films. Digest of Technical Papers SID International Symposium, 2019, 50, 358-360.                                    | 0.3 | 0         |
| 314 | P208: Late News Poster: Single-exposure fabrication of geometry phase optical elements with arbitrary wavefronts. Digest of Technical Papers SID International Symposium, 2019, 50, 1866-1869.   | 0.3 | 0         |
| 315 | Integrated tegrated multiplexing and switching in wavelength, polarization and mode. , 2021, , .   |     | 0         |
| 316 | 314: Student Paper: Maxwellian View Super-Multi-View Near Eye Display Using a Pancharatnam-Berry Optical Element. Digest of Technical Papers SID International Symposium, 2021, 52, 406-409.     | 0.3 | 0         |
| 317 | Wavelength and Waveband Assignment for Ring Networks Based on Parallel Multi-granularity Hierarchical OADMs. ETRI Journal, 2006, 28, 631-637.  | 2.0 | 0         |
| 318 | High-Efficiency Fiber-Chip Edge Coupler Design for Visible Light on Alumina-on-Insulator Photonics. , 2021, , .  |     | 0         |
| 319 | Compact Silicon Mode Converter using Fast Adiabatic-evolution-based Y-junction with Wide Bandwidth. , 2021, , .  |     | 0         |
| 320 | Fano Resonance with Sharp Transmittance Slope Based on High-Q Factor Multi-Mode Micro-Ring Resonator. , 2021, , .  |     | 0         |
| 321 | High-efficiency Thermo-optical Phase Shifter using Wave-vector and Polarization Multiplexing. , 2021, , .  |     | 0         |
| 322 | 163: Compact Tunable Alvarez Lens Based on Pancharatnam-Berry Optical Elements. Digest of Technical Papers SID International Symposium, 2022, 53, 174-177.                                       | 0.3 | 0         |