

# Xihua Zou

## List of Publications by Year in descending order

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191  
papers

3,965  
citations

117625

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h-index

149698

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g-index

193  
all docs

193  
docs citations

193  
times ranked

1986  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Photonics for microwave measurements. Laser and Photonics Reviews, 2016, 10, 711-734.  | 8.7 | 261       |
| 2  | Sensitivity-enhanced temperature sensor with cascaded fiber optic Sagnac interferometers based on Vernier-effect. Optics Communications, 2015, 336, 73-76.   | 2.1 | 197       |
| 3  | An Approach to the Measurement of Microwave Frequency Based on Optical Power Monitoring. IEEE Photonics Technology Letters, 2008, 20, 1249-1251.   | 2.5 | 159       |
| 4  | Analytical Models for Phase-Modulation-Based Microwave Photonic Systems With Phase Modulation to Intensity Modulation Conversion Using a Dispersive Device. Journal of Lightwave Technology, 2009, 27, 511-521.        | 4.6 | 126       |
| 5  | Optoelectronic Oscillators (OEOs) to Sensing, Measurement, and Detection. IEEE Journal of Quantum Electronics, 2016, 52, 1-16.   | 1.9 | 120       |
| 6  | Photonic generation of triangular-shaped pulses based on frequency-to-time conversion. Optics Letters, 2011, 36, 1458.   | 3.3 | 115       |
| 7  | An Optical Approach to Microwave Frequency Measurement With Adjustable Measurement Range and Resolution. IEEE Photonics Technology Letters, 2008, 20, 1989-1991.   | 2.5 | 111       |
| 8  | Microwave Frequency Measurement Based on Optical Power Monitoring Using a Complementary Optical Filter Pair. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 505-511.                                  | 4.6 | 107       |
| 9  | Photonic approach for multiple-frequency-component measurement using spectrally sliced incoherent source. Optics Letters, 2010, 35, 438.   | 3.3 | 87        |
| 10 | Instantaneous Microwave Frequency Measurement With Improved Measurement Range and Resolution Based on Simultaneous Phase Modulation and Intensity Modulation. Journal of Lightwave Technology, 2009, 27, 5314-5320.    | 4.6 | 84        |
| 11 | Photonic-Assisted Microwave Channelizer With Improved Channel Characteristics Based on Spectrum-Controlled Stimulated Brillouin Scattering. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3470-3478. | 4.6 | 83        |
| 12 | A reconfigurable optoelectronic oscillator based on cascaded coherence-controllable recirculating delay lines. Optics Express, 2012, 20, 13296.  | 3.4 | 81        |
| 13 | Optical length change measurement via RF frequency shift analysis of incoherent light source based optoelectronic oscillator. Optics Express, 2014, 22, 11129.   | 3.4 | 78        |
| 14 | Microwave Photonics for Featured Applications in High-Speed Railways: Communications, Detection, and Sensing. Journal of Lightwave Technology, 2018, 36, 4337-4346.  | 4.6 | 78        |
| 15 | SNR Enhancement in Phase-Sensitive OTDR with Adaptive 2-D Bilateral Filtering Algorithm. IEEE Photonics Journal, 2017, 9, 1-10.  | 2.0 | 64        |
| 16 | SFDR enhancement in analog photonic links by simultaneous compensation for dispersion and nonlinearity. Optics Express, 2013, 21, 20999.   | 3.4 | 63        |
| 17 | Photonic approach to the measurement of time-difference-of-arrival and angle-of-arrival of a microwave signal. Optics Letters, 2012, 37, 755.  | 3.3 | 61        |
| 18 | Enhanced chaos synchronization and communication in cascade-coupled semiconductor ring lasers. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 1874-1883.                                      | 3.3 | 60        |

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|----|--|-----|-----------|
| 19 | Investigation on Tunable Modulation Index in the Polarization-Modulator-Based Optoelectronic Oscillator. IEEE Journal of Quantum Electronics, 2014, 50, 68-73.                                     | 1.9 | 59        |
| 20 | Photonic Approach to Wide-Frequency-Range High-Resolution Microwave/Millimeter-Wave Doppler Frequency Shift Estimation. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1421-1430. | 4.6 | 58        |
| 21 | Loss of Time Delay Signature in Broadband Cascade-Coupled Semiconductor Lasers. IEEE Photonics Technology Letters, 2012, 24, 2187-2190.  | 2.5 | 56        |
| 22 | Recent progress of integrated circuits and optoelectronic chips. Science China Information Sciences, 2021, 64, 1.  | 4.3 | 56        |
| 23 | Fully digital programmable optical frequency comb generation and application. Optics Letters, 2018, 43, 283.   | 3.3 | 50        |
| 24 | Photonic Generation of Triangular-Shaped Microwave Pulses Using SBS-Based Optical Carrier Processing. Journal of Lightwave Technology, 2014, 32, 3797-3802.  | 4.6 | 49        |
| 25 | All-fiber optical filter with an ultranarrow and rectangular spectral response. Optics Letters, 2013, 38, 3096.  | 3.3 | 48        |
| 26 | Wideband Doppler frequency shift measurement and direction ambiguity resolution using optical frequency shift and optical heterodyning. Optics Letters, 2015, 40, 2321.                            | 3.3 | 48        |
| 27 | Multiple vibrations measurement using phase-sensitive OTDR merged with Mach-Zehnder interferometer based on frequency division multiplexing. Optics Express, 2016, 24, 4842.                       | 3.4 | 48        |
| 28 | Photonic Generation of Wideband Time-Delay-Signature-Eliminated Chaotic Signals Utilizing an Optically Injected Semiconductor Laser. IEEE Journal of Quantum Electronics, 2012, 48, 1339-1345.     | 1.9 | 45        |
| 29 | High-uniformity multichannel plasmonic filter using linearly lengthened insulators in metal-insulator-metal waveguide. Optics Letters, 2013, 38, 1585.   | 3.3 | 42        |
| 30 | A Multifunctional Photonic Integrated Circuit for Diverse Microwave Signal Generation, Transmission, and Processing. Laser and Photonics Reviews, 2019, 13, 1800240.                               | 8.7 | 42        |
| 31 | Photonic approach for simultaneous measurements of Doppler-frequency-shift and angle-of-arrival of microwave signals. Optics Express, 2019, 27, 8709.  | 3.4 | 41        |
| 32 | Conceal time-delay signature of chaotic vertical-cavity surface-emitting lasers by variable-polarization optical feedback. Optics Communications, 2011, 284, 5758-5765.                            | 2.1 | 38        |
| 33 | Self-Mixing Demodulation for Coherent Phase-Sensitive OTDR System. Sensors, 2016, 16, 681.   | 3.8 | 36        |
| 34 | Wideband Microwave Doppler Frequency Shift Measurement and Direction Discrimination Using Photonic I/Q Detection. Journal of Lightwave Technology, 2016, 34, 4639-4645.                            | 4.6 | 36        |
| 35 | Enhanced Two-Channel Optical Chaotic Communication Using Isochronous Synchronization. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 0600109-0600109.                           | 2.9 | 31        |
| 36 | Photonic Millimeter-Wave Joint Radar Communication System Using Spectrum-Spreading Phase-Coding. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1552-1561.                        | 4.6 | 30        |

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|----|--|-----|-----------|
| 37 | Optical Fiber Temperature and Torsion Sensor Based on Lyot-Sagnac Interferometer. <i>Sensors</i> , 2016, 16, 1774.   | 3.8 | 29        |
| 38 | Phase Demodulation Based on DCM Algorithm in $\hat{1}$ -OTDR With Self-Interference Balance Detection. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 473-476.                                 | 2.5 | 27        |
| 39 | Influence of polarization mode competition on chaotic unpredictability of vertical-cavity surface-emitting lasers with polarization-rotated optical feedback. <i>Optics Letters</i> , 2011, 36, 310. | 3.3 | 26        |
| 40 | Tunable Photonic Radio-Frequency Filter With a Record High Out-of-Band Rejection. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017, 65, 4502-4512.                                 | 4.6 | 24        |
| 41 | Two-dimensionally tunable microwave signal generation based on optical frequency-to-time conversion. <i>Optics Letters</i> , 2010, 35, 2606.   | 3.3 | 23        |
| 42 | Photonic Generation of Microwave Phase-Coded Signals Based on Frequency-to-Time Conversion. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1527-1529.  | 2.5 | 23        |
| 43 | Angle-of-Arrival Estimation of Microwave Signals Based on Optical Phase Scanning. <i>Journal of Lightwave Technology</i> , 2019, 37, 6048-6053.  | 4.6 | 23        |
| 44 | Multi-IF-Over-Fiber Based Mobile Fronthaul With Blind Linearization and Flexible Dispersion Induced Bandwidth Penalty Mitigation. <i>Journal of Lightwave Technology</i> , 2019, 37, 1424-1433.      | 4.6 | 23        |
| 45 | Photonic Frequency Measurement and Signal Separation for Pulsed/CW Microwave Signals. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 500-503.  | 2.5 | 21        |
| 46 | A photonic frequency downconverter based on a single dual-drive Mach-Zehnder modulator. , 2013, , .  |     | 21        |
| 47 | Ultra-high speed RF filtering switch based on stimulated Brillouin scattering. <i>Optics Letters</i> , 2018, 43, 279.  | 3.3 | 21        |
| 48 | High-Resolution Range and Velocity Measurement Based on Photonic LFM Microwave Signal Generation and Detection. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8.                                       | 2.0 | 21        |
| 49 | Fine Tunable PT-Symmetric Optoelectronic Oscillator Based on Laser Wavelength Tuning. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 47-50.  | 2.5 | 20        |
| 50 | Multiaccess Optical Chaos Communication Using Mutually Coupled Semiconductor Lasers Subjected to Identical External Injections. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 676-678.        | 2.5 | 19        |
| 51 | Full-scale phase demodulation approach for photonic instantaneous frequency measurement. <i>Optics Letters</i> , 2010, 35, 2747.   | 3.3 | 19        |
| 52 | Conceal Time-Delay Signature of Mutually Coupled Vertical-Cavity Surface-Emitting Lasers by Variable Polarization Optical Injection. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1693-1695. | 2.5 | 19        |
| 53 | Image-Free Microwave Photonic Down-Conversion Approach for Fiber-Optic Antenna Remoting. <i>IEEE Journal of Quantum Electronics</i> , 2017, 53, 1-8.   | 1.9 | 19        |
| 54 | Low-loss broadband $5 \times 5$ non-blocking $3 \times 4$ optical switch matrix. <i>Optics Letters</i> , 2019, 44, 2629.   | 3.3 | 19        |

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|----|---|-----|-----------|
| 55 | Temperature-insensitive optical tilt sensor based on a single eccentric-core fiber Bragg grating. <i>Optics Letters</i> , 2019, 44, 5570.   | 3.3 | 19        |
| 56 | Repetition-rate-tunable return-to-zero and carrier-suppressed return-to-zero optical pulse train generation using a polarization modulator. <i>Optics Letters</i> , 2009, 34, 313.            | 3.3 | 18        |
| 57 | Frequency-Doubling Optoelectronic Oscillator Using DSB-SC Modulation and Carrier Recovery Based on Stimulated Brillouin Scattering. <i>IEEE Photonics Journal</i> , 2013, 5, 6600606-6600606. | 2.0 | 18        |
| 58 | Photonic-Assisted Leakage Cancellation for Wideband Frequency Modulation Continuous-Wave Radar Transceiver. <i>Journal of Lightwave Technology</i> , 2020, 38, 1178-1183.                     | 4.6 | 18        |
| 59 | Millimeter-wave joint radar and communication system based on photonic frequency-multiplying constant envelope LFM-OFDM. <i>Optics Express</i> , 2022, 30, 26407.                             | 3.4 | 18        |
| 60 | High-Spectral-Efficiency Photonic Frequency Down-Conversion Using Optical Frequency Comb and SSB Modulation. <i>IEEE Photonics Journal</i> , 2013, 5, 7200307-7200307.                        | 2.0 | 17        |
| 61 | Photonic Instantaneous Frequency Measurement Using a Single Laser Source and Two Quadrature Optical Filters. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 39-41.                      | 2.5 | 16        |
| 62 | E-Band 76-GHz Coherent RoF Backhaul Link Using an Integrated Photonic Mixer. <i>Journal of Lightwave Technology</i> , 2016, 34, 4744-4750.  | 4.6 | 16        |
| 63 | Impact of unpredictability on chaos synchronization of vertical-cavity surface-emitting lasers with variable-polarization optical feedback. <i>Optics Letters</i> , 2011, 36, 3497.           | 3.3 | 15        |
| 64 | High Bit Rate Fiber-Optic Transmission Using a Four-Chaotic-Semiconductor-Laser Scheme. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1072-1074.                                       | 2.5 | 15        |
| 65 | Numerical characterization of time delay signature in chaotic vertical-cavity surface-emitting lasers with optical feedback. <i>Optics Communications</i> , 2012, 285, 3837-3848.             | 2.1 | 14        |
| 66 | Plasmonic Filter Using Metal-Insulator-Metal Waveguide with Phase Shifts and its Transmission Characteristics. <i>Plasmonics</i> , 2014, 9, 887-892.  | 3.4 | 14        |
| 67 | High-Efficiency Photonic Microwave Downconversion With Full-Frequency-Range Coverage. <i>IEEE Photonics Journal</i> , 2015, 7, 1-7.   | 2.0 | 14        |
| 68 | Photonic Generation of Microwave Frequency Shift Keying Signal Using a Polarization Maintaining FBG. <i>IEEE Photonics Journal</i> , 2018, 10, 1-8.   | 2.0 | 14        |
| 69 | Enhanced phase-sensitive OTDR system with pulse width modulation Brillouin amplification. <i>Optics Express</i> , 2018, 26, 23714.  | 3.4 | 14        |
| 70 | Dispersion Compensation in Analog Photonic Link Utilizing a Phase Modulator. <i>Journal of Lightwave Technology</i> , 2014, 32, 4642-4647.  | 4.6 | 13        |
| 71 | Adaptive linearized microwave downconversion utilizing a single dual-electrode Mach-Zehnder modulator. <i>Optics Letters</i> , 2015, 40, 2649.  | 3.3 | 13        |
| 72 | Cluster Synchronization of Coupled Semiconductor Lasers Network With Complex Topology. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-7.                         | 2.9 | 13        |

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|----|--|-----|-----------|
| 73 | Ultrafast and Accurate Temperature Extraction via Kernel Extreme Learning Machine for BOTDA Sensors. <i>Journal of Lightwave Technology</i> , 2021, 39, 1537-1543.   | 4.6 | 13        |
| 74 | Covert wireless communication using massive optical comb channels for deep denoising. <i>Photonics Research</i> , 2021, 9, 1124.   | 7.0 | 13        |
| 75 | Photonic generation of binary and quaternary phase-coded microwave signals by utilizing a dual-polarization dual-parallel Mach-Zehnder modulator. <i>Optics Express</i> , 2018, 26, 28013.                 | 3.4 | 13        |
| 76 | Chirped fiber tip Fabry-Perot interferometer. <i>Optics Letters</i> , 2017, 42, 3474.  | 3.3 | 12        |
| 77 | 2-D quantization scheme utilizing SOFM neural network clustering for a DRoF system. <i>Optics Letters</i> , 2018, 43, 4663.  | 3.3 | 12        |
| 78 | Temperature-insensitive curvature sensor based on Bragg gratings written in strongly coupled multicore fiber. <i>Optics Letters</i> , 2021, 46, 3933.  | 3.3 | 12        |
| 79 | Optoelectronic oscillator for 5G wireless networks and beyond. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 423002.   | 2.8 | 12        |
| 80 | Isochronous cluster synchronization in delay-coupled VCSEL networks subjected to variable-polarization optical injection with time delay signature suppression. <i>Optics Express</i> , 2019, 27, 33369.   | 3.4 | 12        |
| 81 | Stable period-one oscillations in a semiconductor laser under optical feedback from a narrowband fiber Bragg grating. <i>Optics Express</i> , 2020, 28, 21286.   | 3.4 | 12        |
| 82 | Deep learning based pulse prediction of nonlinear dynamics in fiber optics. <i>Optics Express</i> , 2021, 29, 44080.   | 3.4 | 11        |
| 83 | Photonic approach to microwave frequency measurement with digital circular-code results. <i>Optics Express</i> , 2011, 19, 20580.  | 3.4 | 10        |
| 84 | Bandwidth and unpredictability properties of semiconductor ring lasers with chaotic optical injection. <i>Optics and Laser Technology</i> , 2013, 53, 45-50.   | 4.6 | 10        |
| 85 | Parity-Time Symmetric Optoelectronic Oscillator Based on an Integrated Mode-Locked Laser. <i>IEEE Journal of Quantum Electronics</i> , 2021, 57, 1-9.  | 1.9 | 10        |
| 86 | Optically functionalized microfiber Bragg grating for RH sensing. <i>Optics Letters</i> , 2019, 44, 4646.  | 3.3 | 10        |
| 87 | Low-Complexity Adaptive Frequency-Domain Nonlinear Equalization for Analog RoF Mobile Fronthaul Using FFT/IFFT-Assisted Channel Aggregation. <i>Journal of Lightwave Technology</i> , 2022, 40, 1072-1082. | 4.6 | 10        |
| 88 | Fading-Free $\hat{I}$ -OTDR With Multi-Frequency Decomposition. <i>IEEE Sensors Journal</i> , 2022, 22, 2160-2166.   | 4.7 | 10        |
| 89 | Dispersion-Induced-Loss-Independent Photonic Instantaneous Frequency Measurement Using Remote-Fiber-Based Tunable Microwave Filter. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1090-1092.        | 2.5 | 9         |
| 90 | Proposal and Demonstration of Subcarrier Index Modulation OFDM for RoF System With Enhanced Spectral Efficiency. <i>Journal of Lightwave Technology</i> , 2018, 36, 4501-4506.                             | 4.6 | 9         |

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|-----|--|-----|-----------|
| 91  | Photonic-Assisted Intrapulse Parameters Measurement of Complex Microwave Signals. <i>Journal of Lightwave Technology</i> , 2018, 36, 3633-3644.  | 4.6 | 9         |
| 92  | A $2q$ -Order Difference-Set Approach to Eliminate Phase Ambiguity of a Single-Frequency Signal. <i>IEEE Signal Processing Letters</i> , 2019, 26, 1526-1530.  | 3.6 | 9         |
| 93  | Photonic Generation of Multilevel Frequency-Hopping Microwave Signal. <i>IEEE Photonics Journal</i> , 2019, 11, 1-7.   | 2.0 | 9         |
| 94  | A WDM-PON compatible wavelength-reused bidirectional in-band full-duplex radio-over-fiber system. <i>Optics Communications</i> , 2020, 463, 125408.  | 2.1 | 9         |
| 95  | Ultracompact silicon polarization splitter-rotator using a dual-etched and tapered coupler. <i>Applied Optics</i> , 2020, 59, 9540.  | 1.8 | 9         |
| 96  | Two-Dimensional Power Allocation for Optical MIMO-OFDM Systems Over Low-Pass Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 7244-7257.   | 6.3 | 9         |
| 97  | Enhanced chaotic communication in VCSELs with variable-polarization optical feedback and polarization-preserved optical injection. <i>Optics Communications</i> , 2012, 285, 5293-5301.  | 2.1 | 8         |
| 98  | Transmission of three-polarization-multiplexed 25-Gb/s DPSK signals over 300-km fiber link. <i>Optics Letters</i> , 2016, 41, 1620.  | 3.3 | 8         |
| 99  | Photonic Generation of Multicarrier Phase-Coded Microwave Signals Utilizing Polarization Manipulation. <i>IEEE Photonics Journal</i> , 2018, 10, 1-8.  | 2.0 | 8         |
| 100 | Integrated Microwave Photonics: A Multifunctional Photonic Integrated Circuit for Diverse Microwave Signal Generation, Transmission, and Processing ( <i>Laser Photonics Rev.</i> 13(6)/2019). <i>Laser and Photonics Reviews</i> , 2019, 13, 1970027. | 8.7 | 8         |
| 101 | Wideband Frequency-Tunable Parity-Time Symmetric Optoelectronic Oscillator Based on Hybrid Phase and Intensity Modulations. <i>Journal of Lightwave Technology</i> , 2020, 38, 5406-5411.  | 4.6 | 8         |
| 102 | Multipoint stable radio frequency long distance transmission over fiber based on tree topology, with user fairness and deployment flexibility. <i>Optics Express</i> , 2020, 28, 23874.  | 3.4 | 8         |
| 103 | Polarization-Insensitive and Broadband Optical Power Splitter With a Tunable Power Splitting Ratio. <i>IEEE Photonics Journal</i> , 2017, 9, 1-9.  | 2.0 | 7         |
| 104 | Fast Tunable Photonic Single-Bandpass RF Filter With Multiple Arbitrary Switching Flat-Top Passbands. <i>Journal of Lightwave Technology</i> , 2018, 36, 4583-4590.  | 4.6 | 7         |
| 105 | Wideband and Ambiguous-Free RF Channelizer Assisted Jointly by Spacing and Profile of Optical Frequency Comb. <i>IEEE Photonics Journal</i> , 2020, 12, 1-11.  | 2.0 | 7         |
| 106 | Performance Upgradation of Microwave Photonic Filtering Interrogation Using Gaussian Process Regression. <i>Journal of Lightwave Technology</i> , 2021, 39, 7682-7688.   | 4.6 | 7         |
| 107 | Angled fiber-based Fabry-Pérot interferometer. <i>Optics Letters</i> , 2020, 45, 292.  | 3.3 | 7         |
| 108 | Flat-top and ultranarrow bandpass filter designed by sampled fiber Bragg grating with multiple equivalent phase shifts. <i>Applied Optics</i> , 2009, 48, 691.   | 2.1 | 6         |

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|-----|--|-----|-----------|
| 109 | Photonic generation of microwave signals with tunabilities. <i>Science Bulletin</i> , 2014, 59, 2672-2683.   | 1.7 | 6         |
| 110 | Optimizing chaos time-delay signature in two mutually-coupled semiconductor lasers through controlling internal parameters. <i>Modern Physics Letters B</i> , 2017, 31, 1750106.             | 1.9 | 6         |
| 111 | Multiple-Channel Plasmonic Filter Based on Metal-Insulator-Metal Waveguide and Fractal Theory. <i>Plasmonics</i> , 2017, 12, 1589-1594.  | 3.4 | 6         |
| 112 | Four-Element Array for GNSS Attitude Determination Using IRLS: An Improved Rounding of Long-Short Baseline Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 4920-4934. | 6.3 | 6         |
| 113 | Photonic-Assisted Multipath Self-Interference Cancellation for Wideband MIMO Radio-Over-Fiber Transmission. <i>Journal of Lightwave Technology</i> , 2022, 40, 462-469.                      | 4.6 | 6         |
| 114 | Distributed dynamic strain sensing in coherent $\hat{I}_1$ -OTDR with a pulse conversion algorithm. <i>Optics Letters</i> , 2021, 46, 1668.  | 3.3 | 6         |
| 115 | Compact RSFQ microwave pulse generator based on an integrated RF module for controlling superconducting qubits. <i>Applied Physics Letters</i> , 2022, 120, .                                | 3.3 | 6         |
| 116 | Band-Rejection Feedback for Chaotic Time-Delay Signature Suppression in a Semiconductor Laser. <i>IEEE Photonics Journal</i> , 2022, 14, 1-8.  | 2.0 | 6         |
| 117 | Photonic Microwave Frequency Measurement With High-Coding-Efficiency Digital Outputs and Large Measurement Range. <i>IEEE Photonics Journal</i> , 2013, 5, 5501906-5501906.                  | 2.0 | 5         |
| 118 | A Transmission Model of Analog Signals in Photonic Links. <i>IEEE Photonics Journal</i> , 2014, 6, 1-13.   | 2.0 | 5         |
| 119 | Influence of statistical distribution properties on ultrafast random-number generation using chaotic semiconductor lasers. <i>Optik</i> , 2014, 125, 3555-3558.                              | 2.9 | 5         |
| 120 | Concealment of Chaos Time-Delay Signature Through Phase-Conjugate Feedback and Chaos Optical Injection. <i>IEEE Photonics Journal</i> , 2017, 9, 1-8.  | 2.0 | 5         |
| 121 | Tunable microwave photonic duplexer for full-duplex radio-over-fiber access. <i>Optics Express</i> , 2017, 25, 4145.   | 3.4 | 5         |
| 122 | Strongly coupled multicore fiber with FBGs for multipoint and multiparameter sensing. <i>Optical Fiber Technology</i> , 2020, 58, 102315.  | 2.7 | 5         |
| 123 | Photonic Approach for Generation and Fast Switching of Binary Digitally Modulated RF Signals. <i>IEEE Photonics Journal</i> , 2020, 12, 1-8.   | 2.0 | 5         |
| 124 | Photonic arbitrary waveform generation based on the temporal Talbot effect. <i>Optics Express</i> , 2021, 29, 16927.   | 3.4 | 5         |
| 125 | Common-injection-induced isolated desynchronization in delay-coupled VCSELs networks with variable-polarization optical feedback. <i>Optics Letters</i> , 2019, 44, 3845.                    | 3.3 | 5         |
| 126 | Generation of Repetition-Rate-Quadrupled Optical Pulse Trains Using a PolM or a Pair of PolMs. <i>IEEE Journal of Quantum Electronics</i> , 2012, 48, 3-7.                                   | 1.9 | 4         |



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|-----|---|-----|-----------|
| 127 | Tunable Microwave Photonic Temporal Signal Processor: Differentiator and Integrator. IEEE Photonics Technology Letters, 2013, 25, 2358-2361.                                      | 2.5 | 4         |
| 128 | Multichannel Narrow, Flat-Top Optical Filters Based on Multiple-Phase-Shifted and Phase Sampled FBG. IEEE Journal of Quantum Electronics, 2017, 53, 1-5.                          | 1.9 | 4         |
| 129 | Simplified demultiplexing scheme for two PDM-IM/DD systems utilizing a single Stokes analyzer over 25-km SMF. Optics Letters, 2017, 42, 4071.                                     | 3.3 | 4         |
| 130 | Through-Fiber Drawing of Microwires: An Online Photonic Bridge. Journal of Lightwave Technology, 2018, 36, 5556-5561.   | 4.6 | 4         |
| 131 | Fiber-Optic Viscometer With All-Fiber Acousto-Optic Superlattice Modulated Structure. Journal of Lightwave Technology, 2018, 36, 4123-4128.                                       | 4.6 | 4         |
| 132 | Stable Radio Frequency Transmission of Single Optical Source Over Fiber Based on Passive Phase Compensation. IEEE Photonics Journal, 2021, 13, 1-7.                               | 2.0 | 4         |
| 133 | Improving spectral efficiency of digital radio-over-fiber transmission using two-dimensional discrete cosine transform with vector quantization. Optics Express, 2021, 29, 25868. | 3.4 | 4         |
| 134 | Independently Synchronizable Groups in Networks of Delay-Coupled Semiconductor Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-6.                     | 2.9 | 4         |
| 135 | Non-iterative blind linearization algorithm for DML-based multi-IF-over-fiber mobile fronthaul systems. Optics Letters, 2019, 44, 3901.   | 3.3 | 4         |
| 136 | Processing-Speed Enhancement in a Delay-Laser-Based Reservoir Computer by Optical Injection. Photonics, 2022, 9, 240.   | 2.0 | 4         |
| 137 | Synthesis of Fiber Bragg Gratings With Arbitrary Stationary Power/Field Distribution. IEEE Journal of Quantum Electronics, 2014, 50, 186-197.                                     | 1.9 | 3         |
| 138 | Tunable photonic radiofrequency filter with complementary bandpass and bandstop responses. Optics Letters, 2017, 42, 3129.  | 3.3 | 3         |
| 139 | Widely tunable parity-time symmetric optoelectronic oscillator based on a polarization modulator. , 2019, , .   |     | 3         |
| 140 | Improving Performance of Digital Mobile Fronthaul Employing 2-D Vector Quantization With Vector Linear Prediction. IEEE Photonics Journal, 2019, 11, 1-11.                        | 2.0 | 3         |
| 141 | High-performance ultra-compact polarization splitter-rotators based on dual-etching and tapered asymmetrical directional coupler. Chinese Optics Letters, 2021, 19, 121301.       | 2.9 | 3         |
| 142 | RoF distributed antenna architecture and reinforcement learning empowered real-time EMI immunity for highly reliable railway communication. Optics Express, 2021, 29, 32333.      | 3.4 | 3         |
| 143 | 60-GHz photonic millimeter-wave joint radar-communication system. , 2021, , .   |     | 3         |
| 144 | Optical frequency comb assisted denoising for multiple access and capacity enhancement of covert wireless communication. Optics Letters, 2022, 47, 1442.                          | 3.3 | 3         |

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|-----|--|-----|-----------|
| 145 | Modeling pulse propagation in fiber optical parametric amplifier by a long short-term memory network. <i>Optik</i> , 2022, 260, 169125.  | 2.9 | 3         |
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