

Shilie Zheng

List of Publications by Year in descending order

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times ranked

1913
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Mode Division Multiplexing Communication Using Microwave Orbital Angular Momentum: An Experimental Study. IEEE Transactions on Wireless Communications, 2017, 16, 1308-1318. | 9.2 | 209 |
| 2 | Multiplexed Millimeter Wave Communication with Dual Orbital Angular Momentum (OAM) Mode Antennas. Scientific Reports, 2015, 5, 10148. | 3.3 | 195 |
| 3 | Transmission Characteristics of a Twisted Radio Wave Based on Circular Traveling-Wave Antenna. IEEE Transactions on Antennas and Propagation, 2015, 63, 1530-1536. | 5.1 | 183 |
| 4 | Ultralow Reflectivity Spiral Phase Plate for Generation of Millimeter-wave OAM Beam. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 966-969. | 4.0 | 179 |
| 5 | A Flat-Lensed Spiral Phase Plate Based on Phase-Shifting Surface for Generation of Millimeter-Wave OAM Beam. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1156-1158. | 4.0 | 120 |
| 6 | Optically Tunable Frequency-Doubling Brillouin Optoelectronic Oscillator With Carrier Phase-Shifted Double Sideband Modulation. IEEE Photonics Technology Letters, 2012, 24, 1051-1053. | 2.5 | 100 |
| 7 | Generation of Plane Spiral OAM Waves Using Traveling-Wave Circular Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 8-11. | 4.0 | 96 |
| 8 | Instantaneous Microwave Frequency Measurement Using an Optical Phase Modulator. IEEE Microwave and Wireless Components Letters, 2009, 19, 422-424. | 3.2 | 89 |
| 9 | Four-OAM-Mode Antenna With Traveling-Wave Ring-Slot Structure. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 194-197. | 4.0 | 82 |
| 10 | High-sensitivity temperature sensor based on an optoelectronic oscillator. Applied Optics, 2014, 53, 5084. | 1.8 | 81 |
| 11 | 100 Gbit/s THz Photonic Wireless Transmission in the 350-GHz Band With Extended Reach. IEEE Photonics Technology Letters, 2018, 30, 1064-1067. | 2.5 | 72 |
| 12 | The Capacity Gain of Orbital Angular Momentum Based Multiple-Input-Multiple-Output System. Scientific Reports, 2016, 6, 25418. | 3.3 | 68 |
| 13 | Optoelectronic oscillator with phase-shifted fiber Bragg grating. Optics Communications, 2014, 319, 117-120. | 2.1 | 61 |
| 14 | Orbital angular momentum mode-demultiplexing scheme with partial angular receiving aperture. Optics Express, 2015, 23, 12251. | 3.4 | 57 |
| 15 | Photonic Generation of Dual-Chirp Waveforms With Improved Time-Bandwidth Product. IEEE Photonics Technology Letters, 2017, 29, 1253-1256. | 2.5 | 57 |
| 16 | Microwave spectrum sensing based on photonic time stretch and compressive sampling. Optics Letters, 2013, 38, 136. | 3.3 | 55 |
| 17 | Realization of Beam Steering Based on Plane Spiral Orbital Angular Momentum Wave. IEEE Transactions on Antennas and Propagation, 2018, 66, 1352-1358. | 5.1 | 55 |
| 18 | Photonic instantaneous measurement of microwave frequency using fiber Bragg grating. Optics Communications, 2010, 283, 396-399. | 2.1 | 53 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | High-Resolution Multiple Microwave Frequency Measurement Based on Stimulated Brillouin Scattering. IEEE Photonics Technology Letters, 2012, 24, 1115-1117. | 2.5 | 53 |
| 20 | Microwave spectral analysis based on photonic compressive sampling with random demodulation. Optics Letters, 2012, 37, 4636. | 3.3 | 48 |
| 21 | Generation of Orbital Angular Momentum Radio Waves Based on Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 385-388. | 4.0 | 48 |
| 22 | A Reconfigurable Microwave Photonic Channelized Receiver Based on Dense Wavelength Division Multiplexing Using an Optical Comb. Optics Communications, 2012, 285, 2311-2315. | 2.1 | 43 |
| 23 | Half-mode substrate integrated waveguide antenna for generating multiple orbital angular momentum modes. Electronics Letters, 2016, 52, 684-686. | 1.0 | 41 |
| 24 | Hilbert-Huang Transform Time-Frequency Analysis in ϕ -OTDR Distributed Sensor. IEEE Photonics Technology Letters, 2014, 26, 2403-2406. | 2.5 | 38 |
| 25 | A Wideband Frequency-Tunable Optoelectronic Oscillator Based on a Narrowband Phase-Shifted FBC and Wavelength Tuning of Laser. IEEE Photonics Technology Letters, 2012, 24, 73-75. | 2.5 | 35 |
| 26 | Free-Space Radio Communication Employing OAM Multiplexing Based on Rotman Lens. IEEE Microwave and Wireless Components Letters, 2016, 26, 738-740. | 3.2 | 35 |
| 27 | A Unified System With Integrated Generation of High-Speed Communication and High-Resolution Sensing Signals Based on THz Photonics. Journal of Lightwave Technology, 2018, 36, 4549-4556. | 4.6 | 35 |
| 28 | Orbital Angular Momentum Based Communications with Partial Arc Sampling Receiving. IEEE Communications Letters, 2016, , 1-1. | 4.1 | 34 |
| 29 | Single-frequency computational imaging using OAM-carrying electromagnetic wave. Journal of Applied Physics, 2017, 121, . | 2.5 | 33 |
| 30 | All-positive-coefficient microwave photonic filter with rectangular response. Optics Letters, 2017, 42, 3012. | 3.3 | 32 |
| 31 | Compressive sensing in a photonic link with optical integration. Optics Letters, 2014, 39, 2222. | 3.3 | 29 |
| 32 | Experimental Demonstration of the Capacity Gain of Plane Spiral OAM-Based MIMO System. IEEE Microwave and Wireless Components Letters, 2017, 27, 757-759. | 3.2 | 29 |
| 33 | Simulation of orbital angular momentum radio communication systems based on partial aperture sampling receiving scheme. IET Microwaves, Antennas and Propagation, 2016, 10, 1043-1047. | 1.4 | 26 |
| 34 | Sub-Nyquist Sampled Analog-to-Digital Conversion Based on Photonic Time Stretch and Compressive Sensing With Optical Random Mixing. Journal of Lightwave Technology, 2013, 31, 3395-3401. | 4.6 | 25 |
| 35 | An Optical Millimeter-Wave Generation Technique Based on Phase Modulation and Brillouin-Assisted Notch-Filtering. IEEE Photonics Technology Letters, 2008, 20, 2057-2059. | 2.5 | 24 |
| 36 | Performance Analysis of Plane Spiral OAM Mode-Group Based MIMO System. IEEE Communications Letters, 2020, 24, 1414-1418. | 4.1 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Photonic Microwave Up-Conversion of Vector Signals Based on an Optoelectronic Oscillator. IEEE Photonics Technology Letters, 2013, 25, 1758-1761. | 2.5 | 23 |
| 38 | Photonic generation of chirped microwave signals with high time-bandwidth product. Optics Communications, 2014, 316, 106-110. | 2.1 | 22 |
| 39 | Analysis of rotational Doppler effect based on radio waves carrying orbital angular momentum. Journal of Applied Physics, 2018, 124, . | 2.5 | 22 |
| 40 | Rapid synthesis of high-area-capacitance ultrathin hexagon Fe ₂ O ₃ nanoplates on carbon cloth <i>via</i> a versatile molten salt method. Materials Chemistry Frontiers, 2020, 4, 2744-2753. | 5.9 | 22 |
| 41 | Experimental generation of linearly chirped 350 GHz band pulses with a bandwidth beyond 60 GHz. Optics Letters, 2017, 42, 5242. | 3.3 | 21 |
| 42 | Performances improvement in radio over fiber link through carrier suppression using Stimulated Brillouin scattering. Optics Express, 2010, 18, 11827. | 3.4 | 20 |
| 43 | Photonic generation of frequency quadrupling signal for millimeter-wave communication. Optics Communications, 2013, 304, 71-74. | 2.1 | 20 |
| 44 | Non-Line-of-Sight Channel Performance of Plane Spiral Orbital Angular Momentum MIMO Systems. IEEE Access, 2017, 5, 25377-25384. | 4.2 | 20 |
| 45 | Plane spiral orbital angular momentum electromagnetic wave. , 2015, , . | | 19 |
| 46 | Branching TiO ₂ nanowire arrays for enhanced ethanol sensing. Nanotechnology, 2021, 32, 295501. | 2.6 | 18 |
| 47 | Photonic analog-to-digital converter using Mach-Zehnder modulators having identical half-wave voltages with improved bit resolution. Applied Optics, 2009, 48, 4458. | 2.1 | 17 |
| 48 | A Tunable Optoelectronic Oscillator Based on a Dispersion-Induced Microwave Photonic Filter. IEEE Photonics Technology Letters, 2013, 25, 921-924. | 2.5 | 17 |
| 49 | Frequency stability optimization of an OEO using phase-locked-loop and self-injection-locking. Optics Communications, 2017, 386, 27-30. | 2.1 | 17 |
| 50 | Electro-optically tunable microwave source based on composite-cavity microchip laser. Optics Express, 2012, 20, 29090. | 3.4 | 16 |
| 51 | Dual-Band THz Photonic Pulses Enabling Synthetic mm-Scale Range Resolution. IEEE Photonics Technology Letters, 2018, 30, 1760-1763. | 2.5 | 16 |
| 52 | An improved photonic analog-to-digital conversion scheme using Mach-Zehnder modulators with identical half-wave voltages. Optics Communications, 2018, 425, 157-160. | 2.1 | 16 |
| 53 | A Compact Pattern Reconfiguration Antenna Based on Multimode Plane Spiral OA. IEEE Transactions on Antennas and Propagation, 2021, 69, 1168-1172. | 5.1 | 16 |
| 54 | Refractive index sensor based on tilted fiber Bragg grating and stimulated Brillouin scattering. Optics Express, 2012, 20, 10853. | 3.4 | 15 |

| # | ARTICLE | IF | CITATIONS |
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| 55 | Electro-optic modulator feedback control in phase-sensitive optical time-domain reflectometer distributed sensor. <i>Applied Optics</i> , 2013, 52, 8581. | 1.8 | 15 |
| 56 | Single-pixel imaging based on compressive sensing with spectral-domain optical mixing. <i>Optics Communications</i> , 2017, 402, 119-122. | 2.1 | 15 |
| 57 | Monocrystalline FeMnO ₃ on Carbon Cloth for Extremely High-Areal-Capacitance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 11863-11872. | 5.1 | 15 |
| 58 | Enhanced isopropanol sensing of coral-like ZnO@ZrO ₂ composites. <i>Nanotechnology</i> , 2020, 31, 195502. | 2.6 | 15 |
| 59 | Approaching the Fundamental Limit of Orbital-Angular-Momentum Multiplexing Through a Hologram Metasurface. <i>Physical Review Applied</i> , 2021, 16, . | 3.8 | 15 |
| 60 | Simultaneously Realizing PM-IM Conversion and Efficiency Improvement of Fiber-Optic Links Using FBG. <i>Journal of Electromagnetic Waves and Applications</i> , 2009, 23, 161-170. | 1.6 | 14 |
| 61 | Coherently demodulated orbital angular momentum shift keying system using a CNN-based image identifier as demodulator. <i>Optics Communications</i> , 2019, 435, 367-373. | 2.1 | 14 |
| 62 | All-optical modulator with long range surface plasmon resonance. <i>Optics and Laser Technology</i> , 2013, 49, 316-319. | 4.6 | 13 |
| 63 | Generation of OAM millimeter waves using traveling-wave circular slot antenna based on ring resonant cavity. , 2015, , . | | 13 |
| 64 | Photonic Generation and De-Chirping of Broadband THz Linear-Frequency-Modulated Signals. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 881-884. | 2.5 | 13 |
| 65 | Direct Generation of OAM Mode-Group and Its Application in LoS-MIMO System. <i>IEEE Communications Letters</i> , 2020, 24, 2628-2631. | 4.1 | 13 |
| 66 | Nanoarchitectonics of nest-like MnO ₂ /TiO ₂ thin film for triethylamine sensing. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131137. | 7.8 | 13 |
| 67 | Photonic instantaneous microwave frequency measurement based on two different phase modulation to intensity modulation conversions. <i>Optics Communications</i> , 2011, 284, 3928-3932. | 2.1 | 12 |
| 68 | Space-frequency analysis with parallel computing in a phase-sensitive optical time-domain reflectometer distributed sensor. <i>Applied Optics</i> , 2014, 53, 6586. | 1.8 | 12 |
| 69 | Analysis of compressive sensing with optical mixing using a spatial light modulator. <i>Applied Optics</i> , 2015, 54, 1894. | 1.8 | 12 |
| 70 | Structure Radio Beam Construction in Azimuthal Domain. <i>IEEE Access</i> , 2020, 8, 9395-9402. | 4.2 | 12 |
| 71 | An integrated optical beamforming network for two-dimensional phased array radar. <i>Optics Communications</i> , 2021, 489, 126809. | 2.1 | 12 |
| 72 | Photonic approach for microwave spectral analysis based on Fourier cosine transform. <i>Optics Letters</i> , 2011, 36, 3897. | 3.3 | 11 |

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| 73 | Photonic-assisted time-interleaved ADC based on optical delay line. Journal of Optics (United Tj ETQq1 1 0.784314,rgBT /Overlock 10 T | 2.2 | 11 |
| 74 | Analysis of the effects of mode coupling on the bandwidth characteristics of step-index plastic optical fiber. Microwave and Optical Technology Letters, 2006, 48, 432-435. | 1.4 | 10 |
| 75 | Generation and propagation characteristics of electromagnetic vortices in radio frequency. Photonics Research, 2016, 4, B9. | 7.0 | 10 |
| 76 | Simultaneous realization of optical carrier-suppression and SSB modulation in wireless fiber links using fiber Bragg grating. Microwave and Optical Technology Letters, 2005, 46, 336-339. | 1.4 | 9 |
| 77 | A Wideband Tunable Optoelectronic Oscillator Based on a Spectral-Subtraction-Induced MPF. IEEE Photonics Technology Letters, 2015, 27, 947-950. | 2.5 | 9 |
| 78 | Compressive sensing with a microwave photonic filter. Optics Communications, 2015, 338, 428-432. | 2.1 | 9 |
| 79 | Plane spiral orbital angular momentum wave and its applications. , 2016, , . | | 9 |
| 80 | Time-Frequency Uncertainty in the Photonic A/D Converters Based on Spectral Encoding. IEEE Photonics Technology Letters, 2016, 28, 841-844. | 2.5 | 9 |
| 81 | Generation of plane spiral orbital angular momentum microwave with ring dielectric resonator antenna. , 2017, , . | | 9 |
| 82 | Reconfigurable OAM antenna based on sub-wavelength phase modulation structure. IET Microwaves, Antennas and Propagation, 2018, 12, 354-359. | 1.4 | 9 |
| 83 | Low Probability of Intercept Communication Based on Structured Radio Beams Using Machine Learning. IEEE Access, 2019, 7, 169946-169952. | 4.2 | 9 |
| 84 | Orbital Angular Momentum Mode-Group Based Spatial Field Digital Modulation: Coding Scheme and Performance Analysis. , 2020, , . | | 9 |
| 85 | A graphene-based all-fiber electro-absorption modulator. Journal of Optics (India), 2016, 45, 337-342. | 1.7 | 8 |
| 86 | Optical generation of microwave/millimeter-wave based on Brillouin-Erbium fiber laser. Microwave and Optical Technology Letters, 2011, 53, 1761-1763. | 1.4 | 7 |
| 87 | Spurious-free dynamic range improvement in a photonic time-stretched analog-to-digital converter based on third-order predistortion. Photonics Research, 2014, 2, 97. | 7.0 | 7 |
| 88 | Orbital Angular Momentum Generation Using a Circular Wire Loop Antenna. , 2014, , . | | 7 |
| 89 | Characterization of the photonic generation of phase-coded RF signals based on pulse shaping and frequency-to-time mapping. Applied Optics, 2015, 54, 3956. | 2.1 | 7 |
| 90 | Harmonics analysis of the photonic time stretch system. Applied Optics, 2016, 55, 7222. | 2.1 | 7 |

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| 91 | Frequency Response Equalization Using Fiber Bragg Grating Tilted Filter in RoF Systems. Journal of Lightwave Technology, 2009, 27, 2465-2469. | 4.6 | 6 |
| 92 | Tunable fiber fabryâ€perot filter for PMâ€M conversion and efficiency improvement in radioâ€overâ€fiber links. Microwave and Optical Technology Letters, 2010, 52, 2090-2095. | 1.4 | 6 |
| 93 | Differentially Encoded Photonic Analog-to-Digital Conversion Based on Phase Modulation and Interferometric Demodulation. IEEE Photonics Technology Letters, 2011, 23, 1890-1892. | 2.5 | 6 |
| 94 | An electrically tunable frequency-doubling optoelectronic oscillator with operation based on stimulated Brillouin scattering. Journal of Optics (United Kingdom), 2013, 15, 035406. | 2.2 | 6 |
| 95 | Relaxed dispersion requirement in the generation of chirped RF signals based on frequency-to-time mapping. Optics Communications, 2014, 331, 278-281. | 2.1 | 6 |
| 96 | Orbital angular momentum antenna using dielectric resonator. , 2015, , . | | 6 |
| 97 | Local topological charge analysis of electromagnetic vortex beam based on empirical mode decomposition. Optics Express, 2016, 24, 5423. | 3.4 | 6 |
| 98 | Rotational Doppler effect based on the radio orbital angular momentum wave. , 2017, , . | | 6 |
| 99 | Grouping plane spiral electromagnetic waves for structured rf beams. , 2017, , . | | 6 |
| 100 | Realization of Structured Electromagnetic Waves Based on Plane Spiral Orbital Angular Momentum Waves Using Circular Cylindrical Conformal Microstrip Antenna Array. , 2018, , . | | 6 |
| 101 | A general analytical method for suppressing the third-order intermodulation in microwave photonic link based on dual-parallel Machâ€Zehnder modulator. Optics Communications, 2020, 458, 124818. | 2.1 | 6 |
| 102 | Photonic generation of terahertz dual-chirp waveforms ranging from 364 to 392â€GHz. Optics Express, 2021, 29, 19240. | 3.4 | 6 |
| 103 | Experimental Study of Plane Spiral OAM Mode-Group Based MIMO Communications. IEEE Transactions on Antennas and Propagation, 2022, 70, 641-653. | 5.1 | 6 |
| 104 | Any bias point control of mach-zehnder electrooptic modulator and its applications in optimization of radio-over-fiber links. , 2011, , . | | 5 |
| 105 | Photonic analog-to-digital converter based on the robust symmetrical number system. Optics Communications, 2012, 285, 4966-4970. | 2.1 | 5 |
| 106 | Photonic compressive sensing with a micro-ring-resonator-based microwave photonic filter. Optics Communications, 2016, 373, 65-69. | 2.1 | 5 |
| 107 | A Two-Dimensional LiNbO3 Photonic E-Field Sensor Using Inclined Dipole Antennas. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2203-2206. | 4.0 | 5 |
| 108 | Spurious-Free Dynamic Range of the Photonic Time-Stretch System. IEEE Photonics Technology Letters, 2017, 29, 794-797. | 2.5 | 5 |

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| 109 | Generating wideband orbital angular momentum beams using helical antenna. , 2017, , . | | 5 |
| 110 | Modulation Fading in Temporal Talbot Effect. IEEE Photonics Technology Letters, 2018, 30, 1376-1379. | 2.5 | 5 |
| 111 | Photonics-enabled compressive sensing with spectral encoding using an incoherent broadband source. Optics Letters, 2018, 43, 330. | 3.3 | 5 |
| 112 | A comprehensive model for phase noise characteristics of an optoelectronic oscillator. Microwave and Optical Technology Letters, 2018, 60, 2194-2197. | 1.4 | 5 |
| 113 | 60 Gbit/s PAM-4 wireless transmission in the 310ÅGHz band with nonlinearity tolerant signal processing. Optics Communications, 2021, 492, 126988. | 2.1 | 5 |
| 114 | Characteristics of radio transmission over polymer optical fiber for indoor wireless coverage. Optics Communications, 2006, 264, 142-147. | 2.1 | 4 |
| 115 | Optimized electrode structure for a high-Q electro-optic microdisk-based optical phase modulator. Microwave and Optical Technology Letters, 2007, 49, 313-316. | 1.4 | 4 |
| 116 | Photonic analog-to-digital conversion using multiple comparators and Mach-Zehnder modulators with identical half-wave voltages. Optics Communications, 2009, 282, 504-507. | 2.1 | 4 |
| 117 | A reconfigurable photonic microwave channelized receiver based on an optical comb. , 2011, , . | | 4 |
| 118 | Novel Demodulation Method for Fiber-Optic Interferometers Based on $\pi/2$ Phase Modulation. IEEE Photonics Technology Letters, 2012, 24, 1981-1983. | 2.5 | 4 |
| 119 | Radiation characteristics of the lossy traveling-wave circular antenna. , 2015, , . | | 4 |
| 120 | Highly sensitive demodulation of a vibration-induced phase shift based on a low-noise OEO. Optics Letters, 2017, 42, 4052. | 3.3 | 4 |
| 121 | A wideband electro-optic modulator based on long range surface plasmon resonances. Journal of Optics (United Kingdom), 2011, 13, 125001. | 2.2 | 3 |
| 122 | An optoelectronic oscillator-based strain sensor with extended measurement range. Microwave and Optical Technology Letters, 2015, 57, 2336-2339. | 1.4 | 3 |
| 123 | A Novel Scheme of Microwave Generation Based on Heterodyne Phase Locking of an OEO. IEEE Photonics Technology Letters, 2016, 28, 2637-2640. | 2.5 | 3 |
| 124 | Channelized amplification of RF signal based on actively mode locked fiber laser. Optics Communications, 2018, 421, 46-49. | 2.1 | 3 |
| 125 | Transformation of OAM Waves to Plane Spiral OAM Waves Based on Gradient-Index Meta-Surface. , 2018, , . | | 3 |
| 126 | Structured Radio Beam for Radar Detection. , 2018, , . | | 3 |

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| 127 | Super-mode noise suppression for coupled optoelectronic oscillator with optoelectronic hybrid filter. Optics Communications, 2018, 426, 138-141. | 2.1 | 3 |
| 128 | Time-Division Multiplexed Vector Signal Synthesizer Based on Continuous PTS. IEEE Photonics Technology Letters, 2018, 30, 1020-1023. | 2.5 | 3 |
| 129 | Pre-distortion compensation for optical-based broadband LFM signal generation system. Optics Communications, 2019, 435, 277-282. | 2.1 | 3 |
| 130 | A Non-Uniform Travelling-Wave Current Source Model for Designing OAM Antenna: Theory, Analysis and Application. IEEE Access, 2022, 10, 47499-47508. | 4.2 | 3 |
| 131 | Plane Spiral OAM Mode-Group Orthogonal Multiplexing Communication Using Partial Arc Sampling Receiving Scheme. IEEE Transactions on Antennas and Propagation, 2022, 70, 10998-11008. | 5.1 | 3 |
| 132 | Transmission Performance Improvement in Microwave/Millimeter-Wave Optical System Using Chirped Fiber Grating. Journal of Infrared, Millimeter and Terahertz Waves, 2005, 26, 1005-1016. | 0.6 | 2 |
| 133 | A novel control scheme for four-plate retardation polarization controller. Microwave and Optical Technology Letters, 2009, 51, 124-128. | 1.4 | 2 |
| 134 | Optical variable gain tilt filter with temperature compensation. Microwave and Optical Technology Letters, 2010, 52, 1906-1909. | 1.4 | 2 |
| 135 | A microwave photonic scheme for improving the sensitivity of Mach-Zehnder optical fiber interferometer sensor. , 2011, , . | | 2 |
| 136 | Instantaneous microwave frequency measurement with a uniform resolution and improved dynamic range. , 2012, , . | | 2 |
| 137 | Analyses of Whispering Gallery Modes in Circular Resonators by Transmission Line Theory. Journal of Lightwave Technology, 2014, 32, 2345-2352. | 4.6 | 2 |
| 138 | Orbital angular momentum mode multiplexing with half-mode substrate integrated waveguide antenna. , 2015, , . | | 2 |
| 139 | Photonic compressive sensing for analog-to-information conversion with a delay-line based microwave photonic filter. Optics Communications, 2016, 371, 83-88. | 2.1 | 2 |
| 140 | Multi-OAM-mode microwave communication with the partial arc sampling receiving scheme. , 2016, , . | | 2 |
| 141 | Impact of 3rd-order dispersion on photonic time-stretch system. Optics Communications, 2017, 402, 206-210. | 2.1 | 2 |
| 142 | Frequency-dependent noise figure analysis of continuous photonic time-stretch system. Applied Optics, 2017, 56, 8246. | 1.8 | 2 |
| 143 | Long-range MIMO Communication Using Plane Spiral OAM Mode-group. , 2021, , . | | 2 |
| 144 | A Fan Ring Resonator Antenna For Generating High Gain PSOAM Mode-Group With Ultrahigh Equivalent Order. , 2021, , . | | 2 |

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| 145 | Photonic heterodyne generation of phase-coded terahertz signals. Optics Communications, 2021, 499, 127253. | 2.1 | 2 |
| 146 | A terahertz photonic imaging radar system based on inverse synthetic aperture technique. , 2021, , . | | 2 |
| 147 | Long Distance Broadband Fiber Optical Beamforming Over 120 km. IEEE Access, 2021, 9, 152182-152187. | 4.2 | 2 |
| 148 | Tunable frequency equalization using variable optical tilt filter in radio-over-fiber links. Microwave and Optical Technology Letters, 2010, 52, 2456-2459. | 1.4 | 1 |
| 149 | Quadratic electro-optic properties of $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - PbTiO_3 transparent ceramics under both DC and AC bias. Applied Optics, 2012, 51, 2870. | 1.8 | 1 |
| 150 | A frequency-doubling optoelectronic oscillator based on phase modulator. , 2012, , . | | 1 |
| 151 | Photonics-assisted compressive sensing for sparse signal acquisition. , 2015, , . | | 1 |
| 152 | Generation and propagation characteristics of OAM radio waves. , 2016, , . | | 1 |
| 153 | Photonic generation of linear frequency modulated terahertz pulses in the 350 GHz band with beyond 40 GHz bandwidth. , 2017, , . | | 1 |
| 154 | Corrections to "Modulation Fading in Temporal Talbot Effect" [Aug 1, 2018 1376-1379]. IEEE Photonics Technology Letters, 2018, 30, 1994-1994. | 2.5 | 1 |
| 155 | Out-of-band suppression improved tunable microwave photonic Hilbert transformer based on optical spectral shaping. Optics Communications, 2020, 468, 125776. | 2.1 | 1 |
| 156 | A structure optimization for integrated binary reconfigurable true time delay lines. Optics Communications, 2022, 502, 127439. | 2.1 | 1 |
| 157 | Investigation on spectra of prism-coupled microdisk resonator. Microwave and Optical Technology Letters, 2006, 48, 1265-1269. | 1.4 | 0 |
| 158 | Two-dimensional mapping of electro-optic phase retardation in PLZT by digital holography. Microwave and Optical Technology Letters, 2008, 50, 3093-3097. | 1.4 | 0 |
| 159 | Novel fiber RF antenna with coaxial structure. , 2010, , . | | 0 |
| 160 | Frequency response equalization in phase modulated RoF systems using optical carrier Brillouin processing. Frontiers of Optoelectronics in China, 2011, 4, 277-281. | 0.2 | 0 |
| 161 | A novel frequency-doubling Brillouin optoelectronic oscillator. , 2012, , . | | 0 |
| 162 | Four-tap microwave photonic filter with tunable center frequency and reconfigurable transfer function. Microwave and Optical Technology Letters, 2012, 54, 1740-1743. | 1.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
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| 163 | A real-time detection and self-control phase-sensitive OTDR distributed sensor system. , 2013, , . | | 0 |
| 164 | Tunable multi-tap microwave photonic filter with complex coefficients using a dual-parallel Mach-Zehnder modulator. Journal of Modern Optics, 2013, 60, 1069-1073. | 1.3 | 0 |
| 165 | Microwave spectrum sensing based on photonic time stretch with a large stretch factor. , 2013, , . | | 0 |
| 166 | Compressive sensing in a photonic link for acquisition of spectrally-sparse wideband signals: Potentials and limitations. , 2013, , . | | 0 |
| 167 | Optical millimeter-wave generation based on multiple modulations in an optical feedback loop. , 2013, , . | | 0 |
| 168 | Photonic analog-to-digital conversion based on photonic time stretch and compressive sensing with optical random mixing. , 2013, , . | | 0 |
| 169 | Photonic instantaneous frequency measurement with digital output based on dispersion induced power fading functions. Optics Communications, 2013, 292, 53-56. | 2.1 | 0 |
| 170 | Tunable laser based on composite microchip using ND:PLZT as both tuning and gain medium. , 2015, , . | | 0 |
| 171 | Time-bandwidth product of photonic generated wideband microwave signals based on frequency-to-time mapping. , 2015, , . | | 0 |
| 172 | Orbital angular momentum mode multiplexing with half-mode substrate integrated waveguide antenna. , 2015, , . | | 0 |
| 173 | Demodulation of an OEO based vibration sensor with Hilbert Huang Transform. , 2015, , . | | 0 |
| 174 | Nonlinearity analysis of photonic time stretch system. , 2016, , . | | 0 |
| 175 | Corrections to the Transmission Characteristics of a Twisted Radio Wave based on Circular Traveling-wave [Apr 15 1530-1536]. IEEE Transactions on Antennas and Propagation, 2016, 64, 4581-4581. | 5.1 | 0 |
| 176 | On the undesired frequency chirping in photonic time-stretch systems. Optics Communications, 2017, 405, 192-196. | 2.1 | 0 |
| 177 | Design of the microwave photonic filter with rectangular response. , 2017, , . | | 0 |
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