

Xianmin Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

246
papers

4,555
citations

35
h-index

58
g-index

284
ext. papers

5,646
ext. citations

2.9
avg, IF

5.46
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 246 | A structure optimization for integrated binary reconfigurable true time delay lines. <i>Optics Communications</i> , 2022 , 502, 127439 | 2 | |
| 245 | Photonics-Aided 300B00 GHz Wireless Communications Beyond 100 Gbps. <i>Springer Series in Optical Sciences</i> , 2022 , 467-472 | 0.5 | |
| 244 | A Non-Uniform Travelling-Wave Current Source Model for Designing OAM Antenna: Theory, Analysis and Application. <i>IEEE Access</i> , 2022 , 10, 47499-47508 | 3.5 | 1 |
| 243 | Orbital Angular Momentum Based Structured Radio Beams and its Applications 2021 , 269-293 | | 0 |
| 242 | Long Distance Broadband Fiber Optical Beamforming Over 120 km. <i>IEEE Access</i> , 2021 , 9, 152182-152187 | 3.5 | 1 |
| 241 | A Fan Ring Resonator Antenna For Generating High Gain PSOAM Mode-Group With Ultrahigh Equivalent Order 2021 , | | 1 |
| 240 | Erratum to "A Compact Pattern Reconfiguration Antenna Based on Multimode Plane Spiral OAM" [Feb 21 1168-1172]. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 3628-3628 | 4.9 | |
| 239 | Photonic generation of terahertz dual-chirp waveforms ranging from 364 to 392 GHz. <i>Optics Express</i> , 2021 , 29, 19240-19246 | 3.3 | 2 |
| 238 | An integrated optical beamforming network for two-dimensional phased array radar. <i>Optics Communications</i> , 2021 , 489, 126809 | 2 | 5 |
| 237 | A Compact Pattern Reconfiguration Antenna Based on Multimode Plane Spiral OA. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 1168-1172 | 4.9 | 8 |
| 236 | 60 Gbit/s PAM-4 wireless transmission in the 310 GHz band with nonlinearity tolerant signal processing. <i>Optics Communications</i> , 2021 , 492, 126988 | 2 | 1 |
| 235 | Tbit/s Multi-Dimensional Multiplexing THz-Over-Fiber for 6G Wireless Communication. <i>Journal of Lightwave Technology</i> , 2021 , 39, 5783-5790 | 4 | 6 |
| 234 | Photonic heterodyne generation of phase-coded terahertz signals. <i>Optics Communications</i> , 2021 , 499, 127253 | 2 | |
| 233 | Experimental Study of Plane Spiral OAM Mode-Group Based MIMO Communications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1 | 4.9 | 3 |
| 232 | Approaching the Fundamental Limit of Orbital-Angular-Momentum Multiplexing Through a Hologram Metasurface. <i>Physical Review Applied</i> , 2021 , 16, | 4.3 | 4 |
| 231 | Broadband enhancement of on-chip single-photon extraction via tilted hyperbolic metamaterials. <i>Applied Physics Reviews</i> , 2020 , 7, 021403 | 17.3 | 17 |
| 230 | 2 B00 Gbit/s Line Rate PS-64QAM-OFDM THz Photonic-Wireless Transmission. <i>Journal of Lightwave Technology</i> , 2020 , 38, 4715-4721 | 4 | 24 |

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|-----|---|------|----|
| 229 | Performance Analysis of Plane Spiral OAM Mode-Group Based MIMO System. <i>IEEE Communications Letters</i> , 2020 , 24, 1414-1418 | 3.8 | 14 |
| 228 | 26.8-m THz wireless transmission of probabilistic shaping 16-QAM-OFDM signals. <i>APL Photonics</i> , 2020 , 5, 056105 | 5.2 | 14 |
| 227 | Structure Radio Beam Construction in Azimuthal Domain. <i>IEEE Access</i> , 2020 , 8, 9395-9402 | 3.5 | 8 |
| 226 | Nonlinearity-aware optoelectronic terahertz discrete multitone signal transmission with a zero-bias diode. <i>Optics Letters</i> , 2020 , 45, 5045-5048 | 3 | 3 |
| 225 | A general analytical method for suppressing the third-order intermodulation in microwave photonic link based on dual-parallel Mach-Zehnder modulator. <i>Optics Communications</i> , 2020 , 458, 124818 ² | | 2 |
| 224 | Orbital Angular Momentum Mode-Group Based Spatial Field Digital Modulation: Coding Scheme and Performance Analysis 2020 , | | 5 |
| 223 | Direct Generation of OAM Mode-Group and Its Application in LoS-MIMO System. <i>IEEE Communications Letters</i> , 2020 , 24, 2628-2631 | 3.8 | 7 |
| 222 | Photonic radiofrequency receiver utilizing a phase modulator and a tunable single sideband optoelectronic oscillator. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 2196-2201 | 1.2 | |
| 221 | Photonic Generation and De-Chirping of Broadband THz Linear-Frequency-Modulated Signals. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 881-884 | 2.2 | 5 |
| 220 | Generating dual-polarized orbital angular momentum radio beams with dual-bowtie cell. <i>AIP Advances</i> , 2019 , 9, 115004 | 1.5 | 0 |
| 219 | Local property study for arbitrary polarised OAM beam. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 1846-1853 | 1.6 | |
| 218 | Low Probability of Intercept Communication Based on Structured Radio Beams Using Machine Learning. <i>IEEE Access</i> , 2019 , 7, 169946-169952 | 3.5 | 4 |
| 217 | 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 | 6 |
| 216 | 3D Visible-Light Invisibility Cloak. <i>Advanced Science</i> , 2018 , 5, 1800056 | 13.6 | 20 |
| 215 | Channelized amplification of RF signal based on actively mode locked fiber laser. <i>Optics Communications</i> , 2018 , 421, 46-49 | 2 | 2 |
| 214 | Transforming Surface Wave to Propagating OAM Vortex Wave via Flat Dispersive Metasurface in Radio Frequency. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 172-175 | 3.8 | 29 |
| 213 | Reconfigurable OAM antenna based on sub-wavelength phase modulation structure. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 354-359 | 1.6 | 7 |
| 212 | 100 Gbit/s THz Photonic Wireless Transmission in the 350-GHz Band With Extended Reach. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 1064-1067 | 2.2 | 41 |

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|-----|--|-----|-----|
| 211 | Realization of Beam Steering Based on Plane Spiral Orbital Angular Momentum Wave. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 1352-1358 | 4.9 | 34 |
| 210 | Modulation Fading in Temporal Talbot Effect. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 1376-1379 | 2.2 | 3 |
| 209 | Photonics-enabled compressive sensing with spectral encoding using an incoherent broadband source. <i>Optics Letters</i> , 2018 , 43, 330-333 | 3 | 3 |
| 208 | An improved photonic analog-to-digital conversion scheme using Mach-Zehnder modulators with identical half-wave voltages. <i>Optics Communications</i> , 2018 , 425, 157-160 | 2 | 11 |
| 207 | A Unified System With Integrated Generation of High-Speed Communication and High-Resolution Sensing Signals Based on THz Photonics. <i>Journal of Lightwave Technology</i> , 2018 , 36, 4549-4556 | 4 | 14 |
| 206 | Transformation of OAM Waves to Plane Spiral OAM Waves Based on Gradient-Index Meta-Surface 2018 , | | 3 |
| 205 | Dual-Band THz Photonic Pulses Enabling Synthetic mm-Scale Range Resolution. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 1760-1763 | 2.2 | 6 |
| 204 | Realization of Structured Electromagnetic Waves Based on Plane Spiral Orbital Angular Momentum Waves Using Circular Cylindrical Conformal Microstrip Antenna Array 2018 , | | 4 |
| 203 | Analysis of rotational Doppler effect based on radio waves carrying orbital angular momentum. <i>Journal of Applied Physics</i> , 2018 , 124, 164907 | 2.5 | 11 |
| 202 | Photonic Vector Signal Generation Based on OEO and Optical Coherent QPSK Modulation. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 1711-1714 | 2.2 | 5 |
| 201 | Super-mode noise suppression for coupled optoelectronic oscillator with optoelectronic hybrid filter. <i>Optics Communications</i> , 2018 , 426, 138-141 | 2 | 1 |
| 200 | Time-Division Multiplexed Vector Signal Synthesizer Based on Continuous PTS. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 1020-1023 | 2.2 | 2 |
| 199 | Generation of Orbital Angular Momentum Radio Waves Based on Dielectric Resonator Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 385-388 | 3.8 | 33 |
| 198 | Generation of Plane Spiral OAM Waves Using Traveling-Wave Circular Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 8-11 | 3.8 | 69 |
| 197 | Four-OAM-Mode Antenna With Traveling-Wave Ring-Slot Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 194-197 | 3.8 | 60 |
| 196 | Mode Division Multiplexing Communication Using Microwave Orbital Angular Momentum: An Experimental Study. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 1308-1318 | 9.6 | 129 |
| 195 | An Orbital Angular Momentum-Based In-Band Full-Duplex Communication System and Its Mode Selection. <i>IEEE Communications Letters</i> , 2017 , 21, 1183-1186 | 3.8 | 15 |
| 194 | A Two-Dimensional LiNbO ₃ Photonic E-Field Sensor Using Inclined Dipole Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2203-2206 | 3.8 | 4 |

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| 193 | Impact of 3rd-order dispersion on photonic time-stretch system. <i>Optics Communications</i> , 2017 , 402, 206-210 | 2 | |
| 192 | Single-frequency computational imaging using OAM-carrying electromagnetic wave. <i>Journal of Applied Physics</i> , 2017 , 121, 184506 | 2.5 | 26 |
| 191 | Single-pixel imaging based on compressive sensing with spectral-domain optical mixing. <i>Optics Communications</i> , 2017 , 402, 119-122 | 2 | 9 |
| 190 | Photonic Generation of Dual-Chirp Waveforms With Improved Time-Bandwidth Product. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 1253-1256 | 2.2 | 33 |
| 189 | Spurious-Free Dynamic Range of the Photonic Time-Stretch System. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 794-797 | 2.2 | 5 |
| 188 | Frequency stability optimization of an OEO using phase-locked-loop and self-injection-locking. <i>Optics Communications</i> , 2017 , 386, 27-30 | 2 | 8 |
| 187 | On the undesired frequency chirping in photonic time-stretch systems. <i>Optics Communications</i> , 2017 , 405, 192-196 | 2 | |
| 186 | . <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 757-759 | 2.6 | 21 |
| 185 | Design of X-Cut and Z-Cut Lithium Niobate Whispering-Gallery-Mode Disk-Resonators With High Quality Factors. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-8 | 1.8 | 2 |
| 184 | Non-Line-of-Sight Channel Performance of Plane Spiral Orbital Angular Momentum MIMO Systems. <i>IEEE Access</i> , 2017 , 5, 25377-25384 | 3.5 | 13 |
| 183 | Photonic generation of linear frequency modulated terahertz pulses in the 350 GHz band with beyond 40 GHz bandwidth 2017 , | | 1 |
| 182 | Rotational Doppler effect based on the radio orbital angular momentum wave 2017 , | | 3 |
| 181 | Generation of plane spiral orbital angular momentum microwave with ring dielectric resonator antenna 2017 , | | 8 |
| 180 | Grouping plane spiral electromagnetic waves for structured rf beams 2017 , | | 5 |
| 179 | Generating wideband orbital angular momentum beams using helical antenna 2017 , | | 2 |
| 178 | Experimental generation of linearly chirped 350 GHz band pulses with a bandwidth beyond 60 GHz. <i>Optics Letters</i> , 2017 , 42, 5242-5245 | 3 | 12 |
| 177 | Frequency-dependent noise figure analysis of continuous photonic time-stretch system. <i>Applied Optics</i> , 2017 , 56, 8246-8251 | 1.7 | 1 |
| 176 | Highly sensitive demodulation of a vibration-induced phase shift based on a low-noise OEO. <i>Optics Letters</i> , 2017 , 42, 4052-4054 | 3 | 4 |

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| 175 | All-positive-coefficient microwave photonic filter with rectangular response. <i>Optics Letters</i> , 2017 , 42, 3012-3015 | 3 | 12 |
| 174 | Harmonics analysis of the photonic time stretch system. <i>Applied Optics</i> , 2016 , 55, 7222-8 | 0.2 | 5 |
| 173 | Plane spiral orbital angular momentum wave and its applications 2016 , | | 7 |
| 172 | Non-contact radio frequency shielding and wave guiding by multi-folded transformation optics method. <i>Scientific Reports</i> , 2016 , 6, 36846 | 4.9 | 9 |
| 171 | Corrections to Transmission Characteristics of a Twisted Radio Wave based on Circular Traveling-wave [Apr 15 1530-1536]. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4581-4581 | 4.9 | 9 |
| 170 | The Capacity Gain of Orbital Angular Momentum Based Multiple-Input-Multiple-Output System. <i>Scientific Reports</i> , 2016 , 6, 25418 | 4.9 | 52 |
| 169 | Concealing arbitrary objects remotely with multi-folded transformation optics. <i>Light: Science and Applications</i> , 2016 , 5, e16177 | 16.7 | 44 |
| 168 | Local topological charge analysis of electromagnetic vortex beam based on empirical mode decomposition. <i>Optics Express</i> , 2016 , 24, 5423-5430 | 3.3 | 5 |
| 167 | Orbital Angular Momentum-Based Communications With Partial Arc Sampling Receiving. <i>IEEE Communications Letters</i> , 2016 , 1-1 | 3.8 | 20 |
| 166 | Half-mode substrate integrated waveguide antenna for generating multiple orbital angular momentum modes. <i>Electronics Letters</i> , 2016 , 52, 684-686 | 1.1 | 32 |
| 165 | Photonic-assisted time-interleaved ADC based on optical delay line. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 015704 | 1.7 | 6 |
| 164 | . <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 841-844 | 2.2 | 9 |
| 163 | Graphene induced mode bifurcation at low input power. <i>Carbon</i> , 2016 , 98, 463-467 | 10.4 | 21 |
| 162 | Loss induced amplification of graphene plasmons. <i>Optics Letters</i> , 2016 , 41, 681-4 | 3 | 33 |
| 161 | A Flat-Lensed Spiral Phase Plate Based on Phase-Shifting Surface for Generation of Millimeter-Wave OAM Beam. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 1156-1158 | 3.8 | 80 |
| 160 | Photonic compressive sensing with a micro-ring-resonator-based microwave photonic filter. <i>Optics Communications</i> , 2016 , 373, 65-69 | 2 | 3 |
| 159 | Simulation of orbital angular momentum radio communication systems based on partial aperture sampling receiving scheme. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 1043-1047 | 1.6 | 17 |
| 158 | Generation and propagation characteristics of electromagnetic vortices in radio frequency. <i>Photonics Research</i> , 2016 , 4, B9 | 6 | 10 |

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| 157 | Exploring THz band for high speed wireless communications 2016, | | 4 |
| 156 | Photonic compressive sensing for analog-to-information conversion with a delay-line based microwave photonic filter. <i>Optics Communications</i> , 2016 , 371, 83-88 | 2 | 0 |
| 155 | Free-Space Radio Communication Employing OAM Multiplexing Based on Rotman Lens. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 738-740 | 2.6 | 27 |
| 154 | A Novel Scheme of Microwave Generation Based on Heterodyne Phase Locking of an OEO. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 2637-2640 | 2.2 | 2 |
| 153 | A graphene-based all-fiber electro-absorption modulator. <i>Journal of Optics (India)</i> , 2016 , 45, 337-342 | 1.3 | 5 |
| 152 | Analysis of compressive sensing with optical mixing using a spatial light modulator. <i>Applied Optics</i> , 2015 , 54, 1894-9 | 1.7 | 7 |
| 151 | Orbital angular momentum mode-demultiplexing scheme with partial angular receiving aperture. <i>Optics Express</i> , 2015 , 23, 12251-7 | 3.3 | 39 |
| 150 | Characterization of the photonic generation of phase-coded RF signals based on pulse shaping and frequency-to-time mapping 2015 , 54, 3956 | | 4 |
| 149 | Compressive sensing with a microwave photonic filter. <i>Optics Communications</i> , 2015 , 338, 428-432 | 2 | 7 |
| 148 | Plane spiral orbital angular momentum electromagnetic wave 2015, | | 16 |
| 147 | Orbital angular momentum antenna using dielectric resonator 2015, | | 4 |
| 146 | A Wideband Tunable Optoelectronic Oscillator Based on a Spectral-Subtraction-Induced MPF. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 947-950 | 2.2 | 7 |
| 145 | Multiplexed Millimeter Wave Communication with Dual Orbital Angular Momentum (OAM) Mode Antennas. <i>Scientific Reports</i> , 2015 , 5, 10148 | 4.9 | 144 |
| 144 | 2015, | | 3 |
| 143 | Photonics-assisted compressive sensing for sparse signal acquisition 2015, | | 1 |
| 142 | Orbital angular momentum mode multiplexing with half-mode substrate integrated waveguide antenna 2015, | | 2 |
| 141 | Ultralow Reflectivity Spiral Phase Plate for Generation of Millimeter-wave OAM Beam. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 966-969 | 3.8 | 116 |
| 140 | Transmission Characteristics of a Twisted Radio Wave Based on Circular Traveling-Wave Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 1530-1536 | 4.9 | 127 |

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| 139 | Optoelectronic oscillator with phase-shifted fiber Bragg grating. <i>Optics Communications</i> , 2014 , 319, 117-120 | 31 |
| 138 | Photonic generation of chirped microwave signals with high time-bandwidth product. <i>Optics Communications</i> , 2014 , 316, 106-110 | 2 17 |
| 137 | Recent developments in graphene-based optical modulators. <i>Frontiers of Optoelectronics</i> , 2014 , 7, 277-293 | 12 |
| 136 | Hilbert-Bluang Transform Time-Frequency Analysis in ϕ -OTDR Distributed Sensor. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2403-2406 | 2.2 28 |
| 135 | Analyses of Whispering Gallery Modes in Circular Resonators by Transmission Line Theory. <i>Journal of Lightwave Technology</i> , 2014 , 32, 2345-2352 | 4 1 |
| 134 | Relaxed dispersion requirement in the generation of chirped RF signals based on frequency-to-time mapping. <i>Optics Communications</i> , 2014 , 331, 278-281 | 2 5 |
| 133 | A SIMPLE UNIDIRECTIONAL OPTICAL INVISIBILITY CLOAK MADE OF WATER. <i>Progress in Electromagnetics Research</i> , 2014 , 146, 1-5 | 3.8 3 |
| 132 | High-sensitivity temperature sensor based on an optoelectronic oscillator. <i>Applied Optics</i> , 2014 , 53, 5084-7 | 4.7 48 |
| 131 | Space-frequency analysis with parallel computing in a phase-sensitive optical time-domain reflectometer distributed sensor. <i>Applied Optics</i> , 2014 , 53, 6586-90 | 1.7 12 |
| 130 | Compressive sensing in a photonic link with optical integration. <i>Optics Letters</i> , 2014 , 39, 2222-4 | 3 24 |
| 129 | Spurious-free dynamic range improvement in a photonic time-stretched analog-to-digital converter based on third-order predistortion. <i>Photonics Research</i> , 2014 , 2, 97 | 6 6 |
| 128 | Orbital Angular Momentum Generation Using a Circular Wire Loop Antenna 2014 , | 5 |
| 127 | A Graphene-Enhanced Fiber-Optic Phase Modulator With Large Linear Dynamic Range. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 1867-1870 | 2.2 20 |
| 126 | Photonic Microwave Up-Conversion of Vector Signals Based on an Optoelectronic Oscillator. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 1758-1761 | 2.2 20 |
| 125 | Ray-optics cloaking devices for large objects in incoherent natural light. <i>Nature Communications</i> , 2013 , 4, 2652 | 17.4 112 |
| 124 | Photonic generation of frequency quadrupling signal for millimeter-wave communication. <i>Optics Communications</i> , 2013 , 304, 71-74 | 2 18 |
| 123 | CMOS-Compatible Long-Range Dielectric-Loaded Plasmonic Waveguides. <i>Journal of Lightwave Technology</i> , 2013 , 31, 3361-3367 | 4 11 |
| 122 | Tunable multi-tap microwave photonic filter with complex coefficients using a dual-parallel Mach-Zehnder modulator. <i>Journal of Modern Optics</i> , 2013 , 60, 1069-1073 | 1.1 |

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| 121 | Sub-Nyquist Sampled Analog-to-Digital Conversion Based on Photonic Time Stretch and Compressive Sensing With Optical Random Mixing. <i>Journal of Lightwave Technology</i> , 2013 , 31, 3395-3404 | | 22 |
| 120 | A Tunable Optoelectronic Oscillator Based on a Dispersion-Induced Microwave Photonic Filter. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 921-924 | 2.2 | 17 |
| 119 | All-optical modulator with long range surface plasmon resonance. <i>Optics and Laser Technology</i> , 2013 , 49, 316-319 | 4.2 | 11 |
| 118 | Photonic instantaneous frequency measurement with digital output based on dispersion induced power fading functions. <i>Optics Communications</i> , 2013 , 292, 53-56 | 2 | |
| 117 | Electro-optic modulator feedback control in phase-sensitive optical time-domain reflectometer distributed sensor. <i>Applied Optics</i> , 2013 , 52, 8581-5 | 1.7 | 13 |
| 116 | Highly efficient photonic-crystal splitters based on one-way waveguiding. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 173 | 1.7 | 21 |
| 115 | An electrically tunable frequency-doubling optoelectronic oscillator with operation based on stimulated Brillouin scattering. <i>Journal of Optics (United Kingdom)</i> , 2013 , 15, 035406 | 1.7 | 4 |
| 114 | Microwave spectrum sensing based on photonic time stretch and compressive sampling. <i>Optics Letters</i> , 2013 , 38, 136-8 | 3 | 39 |
| 113 | A Reconfigurable Microwave Photonic Channelized Receiver Based on Dense Wavelength Division Multiplexing Using an Optical Comb. <i>Optics Communications</i> , 2012 , 285, 2311-2315 | 2 | 17 |
| 112 | Experimental demonstration of a free-space cylindrical cloak without superluminal propagation. <i>Physical Review Letters</i> , 2012 , 109, 223903 | 7.4 | 79 |
| 111 | A Continuously Tunable Microwave Fractional Hilbert Transformer Based on a Nonuniformly Spaced Photonic Microwave Delay-Line Filter. <i>Journal of Lightwave Technology</i> , 2012 , | 4 | 12 |
| 110 | Novel Demodulation Method for Fiber-Optic Interferometers Based on $\pi/2$ Phase Modulation. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1981-1983 | 2.2 | 2 |
| 109 | A frequency-doubling optoelectronic oscillator based on phase modulator 2012 , | | 1 |
| 108 | A Wideband Frequency-Tunable Optoelectronic Oscillator Based on a Narrowband Phase-Shifted FBG and Wavelength Tuning of Laser. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 73-75 | 2.2 | 29 |
| 107 | Instantaneous microwave frequency measurement with a uniform resolution and improved dynamic range 2012 , | | 2 |
| 106 | High-Resolution Multiple Microwave Frequency Measurement Based on Stimulated Brillouin Scattering. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1115-1117 | 2.2 | 36 |
| 105 | Photonic analog-to-digital converter based on the robust symmetrical number system. <i>Optics Communications</i> , 2012 , 285, 4966-4970 | 2 | 4 |
| 104 | Four-tap microwave photonic filter with tunable center frequency and reconfigurable transfer function. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 1740-1743 | 1.2 | |

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|-----|---|-----|----|
| 103 | Cross-Layer Power Allocation for Packet Transmission Over Fading Channel. <i>Wireless Personal Communications</i> , 2012 , 65, 617-642 | 1.9 | 1 |
| 102 | Microwave spectral analysis based on photonic compressive sampling with random demodulation. <i>Optics Letters</i> , 2012 , 37, 4636-8 | 3 | 35 |
| 101 | Electro-optically tunable microwave source based on composite-cavity microchip laser. <i>Optics Express</i> , 2012 , 20, 29090-5 | 3.3 | 12 |
| 100 | Refractive index sensor based on tilted fiber Bragg grating and stimulated Brillouin scattering. <i>Optics Express</i> , 2012 , 20, 10853-8 | 3.3 | 13 |
| 99 | Quadratic electro-optic properties of Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ transparent ceramics under both DC and AC bias. <i>Applied Optics</i> , 2012 , 51, 2870-6 | 1.7 | |
| 98 | Optically Tunable Frequency-Doubling Brillouin Optoelectronic Oscillator With Carrier Phase-Shifted Double Sideband Modulation. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1051-1053 | 2.2 | 64 |
| 97 | Optical Single-Sideband Modulation Using a Fiber-Bragg-Grating-Based Optical Hilbert Transformer. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 558-560 | 2.2 | 42 |
| 96 | A wideband electro-optic modulator based on long range surface plasmon resonances. <i>Journal of Optics (United Kingdom)</i> , 2011 , 13, 125001 | 1.7 | 3 |
| 95 | Any bias point control of mach-zehnder electrooptic modulator and its applications in optimization of radio-over-fiber links 2011 , | | 3 |
| 94 | A microwave photonic scheme for improving the sensitivity of Mach-Zehnder optical fiber interferometer sensor 2011 , | | 1 |
| 93 | A reconfigurable photonic microwave channelized receiver based on an optical comb 2011 , | | 3 |
| 92 | Differentially Encoded Photonic Analog-to-Digital Conversion Based on Phase Modulation and Interferometric Demodulation. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1890-1892 | 2.2 | 5 |
| 91 | Instantaneous Microwave Frequency Measurement Using a Special Fiber Bragg Grating. <i>IEEE Microwave and Wireless Components Letters</i> , 2011 , 21, 52-54 | 2.6 | 39 |
| 90 | Proposal for photonic quantization with differential encoding using a phase modulator and delay-line interferometers. <i>Optics Letters</i> , 2011 , 36, 1629-31 | 3 | 18 |
| 89 | Photonic approach for microwave spectral analysis based on Fourier cosine transform. <i>Optics Letters</i> , 2011 , 36, 3897-9 | 3 | 10 |
| 88 | Frequency response equalization in phase modulated RoF systems using optical carrier Brillouin processing. <i>Frontiers of Optoelectronics in China</i> , 2011 , 4, 277-281 | | |
| 87 | Optical generation of microwave/millimeter-wave based on Brillouin-Erbium fiber laser. <i>Microwave and Optical Technology Letters</i> , 2011 , 53, 1761-1763 | 1.2 | 4 |
| 86 | Photonic Generation of Phase-Coded Millimeter-Wave Signal With Large Frequency Tunability Using a Polarization-Maintaining Fiber Bragg Grating. <i>IEEE Microwave and Wireless Components Letters</i> , 2011 , 21, 694-696 | 2.6 | 57 |

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| 85 | . <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1694-1696 | 2.2 | 13 |
| 84 | Photonic Generation of Phase-Coded Microwave Signal With Large Frequency Tunability. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 712-714 | 2.2 | 74 |
| 83 | Photonic instantaneous microwave frequency measurement based on two different phase modulation to intensity modulation conversions. <i>Optics Communications</i> , 2011 , 284, 3928-3932 | 2 | 11 |
| 82 | Photonic crystal cavity with one-way rotating state and its coupling with photonic crystal waveguide. <i>Journal of Applied Physics</i> , 2011 , 110, 043106 | 2.5 | 15 |
| 81 | CLOAKING A PERFECTLY CONDUCTING SPHERE WITH ROTATIONALLY UNIAXIAL NIHILITY MEDIA IN MONOSTATIC RADAR SYSTEM. <i>Progress in Electromagnetics Research</i> , 2010 , 100, 285-298 | 3.8 | 27 |
| 80 | Ultra-Wideband Bandpass Filter with Notched Band Based on Electrooptic Phase Modulator and Phase-Shift Fiber Bragg Grating. <i>Journal of Electromagnetic Waves and Applications</i> , 2010 , 24, 795-802 | 1.3 | 10 |
| 79 | Performances improvement in radio over fiber link through carrier suppression using Stimulated Brillouin scattering. <i>Optics Express</i> , 2010 , 18, 11827-37 | 3.3 | 17 |
| 78 | Pulse Distortions Due to Third-Order Dispersion and Dispersion Mismatches in a Phase-Modulator-Based Temporal Pulse Shaping System. <i>Journal of Lightwave Technology</i> , 2010 , 28, 2865-2872 | 4 | 1 |
| 77 | Performance Improvement of Phase Modulation with Interferometric Detection Through Low-biasing. <i>Journal of Electromagnetic Waves and Applications</i> , 2010 , 24, 123-132 | 1.3 | 10 |
| 76 | Optical variable gain tilt filter with temperature compensation. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 1906-1909 | 1.2 | 1 |
| 75 | Tunable fiber fabry-perot filter for PM-IM conversion and efficiency improvement in radio-over-fiber links. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 2090-2095 | 1.2 | 5 |
| 74 | Tunable frequency equalization using variable optical tilt filter in radio-over-fiber links. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 2456-2459 | 1.2 | 0 |
| 73 | Photonic instantaneous measurement of microwave frequency using fiber Bragg grating. <i>Optics Communications</i> , 2010 , 283, 396-399 | 2 | 35 |
| 72 | 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 | 1.3 | 12 |
| 71 | A novel control scheme for four-plate retardation polarization controller. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 124-128 | 1.2 | 2 |
| 70 | Photonic analog-to-digital conversion using multiple comparators and Mach-Zehnder modulators with identical half-wave voltages. <i>Optics Communications</i> , 2009 , 282, 504-507 | 2 | 4 |
| 69 | Photonic analog-to-digital converter using Mach-Zehnder modulators having identical half-wave voltages with improved bit resolution. <i>Applied Optics</i> , 2009 , 48, 4458-67 | 0.2 | 15 |
| 68 | Frequency Response Equalization Using Fiber Bragg Grating Tilted Filter in RoF Systems. <i>Journal of Lightwave Technology</i> , 2009 , 27, 2465-2469 | 4 | 4 |

| | | | |
|----|--|-----|----|
| 67 | Instantaneous Microwave Frequency Measurement Using an Optical Phase Modulator. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 422-424 | 2.6 | 62 |
| 66 | An Optical Millimeter-Wave Generation Technique Based on Phase Modulation and Brillouin-Assisted Notch-Filtering. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 2057-2059 | 2.2 | 15 |
| 65 | Large-Scale Fabrication of Pr ³⁺ -Doped or Undoped Nanosized ATiO ₃ (A= Ca, Sr, Ba) with Different Shapes via a Facile Solvothermal Technique. <i>Crystal Growth and Design</i> , 2008 , 8, 779-781 | 3.5 | 15 |
| 64 | MICROWAVE/MILLIMETER-WAVE GENERATION USING MULTI-WAVELENGTH PHOTONIC CRYSTAL FIBER BRILLOUIN LASER. <i>Progress in Electromagnetics Research</i> , 2008 , 80, 307-320 | 3.8 | 33 |
| 63 | All-optical generation of microwave using a photonic crystal fiber Brillouin laser based on Bragg grating Fabry-Perot cavity. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 809-814 | 1.2 | 5 |
| 62 | Two-dimensional mapping of electro-optic phase retardation in PLZT by digital holography. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 3093-3097 | 1.2 | |
| 61 | Reconfigurable microwave photonic transversal filter using a variable gain tilt filter. <i>Optics Communications</i> , 2008 , 281, 998-1002 | 2 | 4 |
| 60 | A novel wavelength shift keying transmitter using a pair of Mach-Zehnder modulators. <i>Optics Communications</i> , 2008 , 281, 2517-2521 | 2 | 1 |
| 59 | Optimized electrode structure for a high-Q electro-optic microdisk-based optical phase modulator. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 313-316 | 1.2 | 3 |
| 58 | TUNABLE FIBER FABRY-PEROT FILTER FOR OPTICAL CARRIER-SUPPRESSION AND SINGLE-SIDEBAND MODULATION IN RADIO OVER FIBER LINKS. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2007 , 27, 381-390 | | |
| 57 | A Hybrid Radio Over Fiber Wireless Sensor Network Architecture 2007 , | | 5 |
| 56 | Size Manipulated Photoluminescence and Phosphorescence in CaTiO ₃ :Pr ³⁺ +Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 18044-18048 | 3.8 | 37 |
| 55 | Noise reduction using photonic microwave filter for radio over fiber system. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 305-307 | 1.2 | 6 |
| 54 | Analysis of the effects of mode coupling on the bandwidth characteristics of step-index plastic optical fiber. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 432-435 | 1.2 | 10 |
| 53 | Digitally controlled programmable high-speed variable optical attenuator. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 1019-1021 | 1.2 | 2 |
| 52 | Optical steering of a phased-array antenna based on fast delay-line switches. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 1449-1452 | 1.2 | 3 |
| 51 | Investigation on spectra of prism-coupled microdisk resonator. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 1265-1269 | 1.2 | |
| 50 | Comparison of polarization-mode dispersion tolerances in polarization-multiplexing systems with different modulation formats. <i>Optics Communications</i> , 2006 , 259, 640-644 | 2 | 3 |

| | | | |
|----|--|-----|----|
| 49 | Characteristics of radio transmission over polymer optical fiber for indoor wireless coverage. <i>Optics Communications</i> , 2006 , 264, 142-147 | 2 | 3 |
| 48 | Transport of Glucose and Poly(ethylene glycol)s in Agarose Gels Studied by the Refractive Index Method. <i>Macromolecules</i> , 2005 , 38, 5236-5242 | 5.5 | 31 |
| 47 | All-optical generation of microwave and Millimeter wave using a two-frequency Bragg grating-based Brillouin fiber laser. <i>Journal of Lightwave Technology</i> , 2005 , 23, 1860-1865 | 4 | 45 |
| 46 | Optical single sideband Modulation of 11-GHz RoF system using stimulated Brillouin scattering. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1277-1279 | 2.2 | 70 |
| 45 | A simple filter based on stimulated Brillouin scattering for carrier-suppression of microwave photonics signals 2005 , | | 2 |
| 44 | Microwave photonic signals conversion using stimulated Brillouin scattering. <i>Optics Communications</i> , 2005 , 249, 109-115 | 2 | 7 |
| 43 | Polarization insensitive coherent detection for Brillouin scattering spectrum in BOTDR. <i>Optics Communications</i> , 2005 , 254, 168-172 | 2 | 6 |
| 42 | Negative refraction of a combined double S-shaped metamaterial. <i>Applied Physics Letters</i> , 2005 , 86, 1519-1521 | 3.4 | 84 |
| 41 | Photonic microwave transversal filter employing a fiber-Bragg-grating-based multiple resonator. <i>Microwave and Optical Technology Letters</i> , 2005 , 44, 369-371 | 1.2 | 6 |
| 40 | A flexible and incoherent microwave photonic filter with a flat-top passband. <i>Microwave and Optical Technology Letters</i> , 2005 , 46, 132-134 | 1.2 | |
| 39 | Simultaneous realization of optical carrier-suppression and SSB modulation in wireless fiber links using fiber Bragg grating. <i>Microwave and Optical Technology Letters</i> , 2005 , 46, 336-339 | 1.2 | 8 |
| 38 | Experimental Investigation on the Effect of Optical Source on Photonic Microwave Filter Performance. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2005 , 26, 763-770 | | |
| 37 | Transmission Performance Improvement in Microwave/Millimeter-Wave Optical System Using Chirped Fiber Grating. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2005 , 26, 1005-1016 | | 1 |
| 36 | Tunable All-Optical Microwave Filters Based on Fiber Loop and Chirped Fiber Bragg Gratings. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2005 , 26, 1207-1215 | | |
| 35 | Integrated Electro-Absorption Modulation DFB Laser Based Optical True Time-Delay Feeder for X-Band Phased Array Antennas. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2005 , 26, 1465-1472 | | |
| 34 | MAGNETIC PROPERTIES OF S-SHAPED SPLIT-RING RESONATORS. <i>Progress in Electromagnetics Research</i> , 2005 , 51, 231-247 | 3.8 | 58 |
| 33 | . <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005 , 53, 1522-1526 | 4.1 | 20 |
| 32 | Two-Frequency Brillouin Fiber Laser Based on Bragg Grating Fabry-Perot Cavity. <i>Fiber and Integrated Optics</i> , 2005 , 24, 83-90 | 0.8 | 3 |

| | | | |
|----|---|-----|-----|
| 31 | Stimulated Brillouin scattering for efficient improvement of radio-over-fiber systems. <i>Optical Engineering</i> , 2005 , 44, 105003 | 1.1 | 4 |
| 30 | Beam shifting experiment for the characterization of left-handed properties. <i>Journal of Applied Physics</i> , 2004 , 95, 2238-2241 | 2.5 | 26 |
| 29 | Metamaterial exhibiting left-handed properties over multiple frequency bands. <i>Journal of Applied Physics</i> , 2004 , 96, 5338-5340 | 2.5 | 79 |
| 28 | Left-handed materials composed of only S-shaped resonators. <i>Physical Review E</i> , 2004 , 70, 057605 | 2.4 | 285 |
| 27 | FIR Photonic Microwave Filter Design Employing Simulated Annealing Algorithm. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2004 , 25, 1757-1764 | | 1 |
| 26 | Microwave Photonic Signal Down-Conversion Using a Novel Two-Frequency Bragg Grating Based Brillouin Fiber Laser. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2004 , 25, 1805-1809 | | 0 |
| 25 | A novel tunable fiber-optic microwave notch filter using fiber loop and cascaded fiber Bragg gratings. <i>Microwave and Optical Technology Letters</i> , 2004 , 41, 386-388 | 1.2 | 6 |
| 24 | Optical carrier-suppression of microwave signals with stimulated Brillouin scattering in long fiber ring. <i>Microwave and Optical Technology Letters</i> , 2004 , 43, 258-260 | 1.2 | 7 |
| 23 | Degree of polarization technique used in PMD compensation of optical microwave transmission systems. <i>Optics Communications</i> , 2004 , 236, 109-114 | 2 | 2 |
| 22 | In situ investigation of drug diffusion in hydrogels by the refractive index method. <i>Analytical Chemistry</i> , 2004 , 76, 2807-12 | 7.8 | 5 |
| 21 | Experimental confirmation of negative refractive index of a metamaterial composed of like metallic patterns. <i>Applied Physics Letters</i> , 2004 , 84, 1537-1539 | 3.4 | 189 |
| 20 | Left-handed metamaterial and its experimental verifications. <i>Science Bulletin</i> , 2003 , 48, 1325-1327 | | 1 |
| 19 | Demonstration of etched cladding fiber Bragg grating-based sensors with hydrogel coating. <i>Sensors and Actuators B: Chemical</i> , 2003 , 96, 468-472 | 8.5 | 67 |
| 18 | T-junction waveguide experiment to characterize left-handed properties of metamaterials. <i>Journal of Applied Physics</i> , 2003 , 94, 3712-3716 | 2.5 | 17 |
| 17 | Investigation into Molecular Diffusion in Hydrogels Using the Refractive Index Method. <i>Macromolecular Rapid Communications</i> , 2002 , 23, 968-971 | 4.8 | 3 |
| 16 | In situ monitoring gelation process of N,N-dimethylacrylamide by refractive index technique. <i>Polymer</i> , 2002 , 43, 6761-6765 | 3.9 | 12 |
| 15 | Fiber optic Bragg grating sensor based on hydrogels for measuring salinity. <i>Sensors and Actuators B: Chemical</i> , 2002 , 87, 487-490 | 8.5 | 88 |
| 14 | A novel high photoluminescence efficiency polymer incorporated with pendant europium complexes. <i>Polymer</i> , 2001 , 42, 4605-4610 | 3.9 | 57 |

| | | | |
|----|--|-----|----|
| 13 | Spectra of dual overwritten fiber Bragg grating. <i>Optics Communications</i> , 2001 , 188, 31-39 | 2 | 18 |
| 12 | Heterogeneous Polymerization of Hydrogels on Hydrophobic Substrate. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 4565-4571 | 3-4 | 48 |
| 11 | Investigation of the gelation process by in-situ interferometry. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 998-1001 | 4-8 | 3 |
| 10 | In Situ Monitoring of Hydrogel Polymerization Using Speckle Interferometry. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 2888-2891 | 3-4 | 21 |
| 9 | Light-Emitting Substituted Polyacetylenes. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, 2017-2023 | 1-4 | 23 |
| 8 | Investigation of Molecular Diffusion in Hydrogel by Electronic Speckle Pattern Interferometry. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 6069-6074 | 3-4 | 35 |
| 7 | Electroluminescent Devices Based on Poly(diphenylacetylene) with Carbazolyl Side Groups. <i>Japanese Journal of Applied Physics</i> , 1997 , 36, L1508-L1510 | 1-4 | 3 |
| 6 | Optical wavelet-matched filtering with bacteriorhodopsin films. <i>Applied Optics</i> , 1997 , 36, 8413-6 | 1-7 | 11 |
| 5 | Temperature-dependent electroluminescence from (Eu, Gd) coordination complexes. <i>Applied Physics Letters</i> , 1997 , 71, 2596-2598 | 3-4 | 50 |
| 4 | Equivalent network approach for a general nonlinear planar optical waveguide. <i>Optics Communications</i> , 1996 , 128, 15-18 | 2 | |
| 3 | Three-dimensional degenerate multiwave mixing and optical storage effects in C60 Langmuir-Blodgett films. <i>Optics Communications</i> , 1995 , 113, 519-522 | 2 | 3 |
| 2 | Multiple forward phase conjugate waves by degenerate four-wave-mixing in Langmuir-Blodgett films with BOXCARS geometry. <i>Optics Communications</i> , 1991 , 86, 428-430 | 2 | 3 |
| 1 | Bragg grating assisted coupler for add-drop filter | | 4 |