

# Xianmin Zhang

## List of Publications by Citations

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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	Left-handed materials composed of only S-shaped resonators. <i>Physical Review E</i> , <b>2004</b> , 70, 057605	2.4	285
245	Experimental confirmation of negative refractive index of a metamaterial composed of like metallic patterns. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 1537-1539	3.4	189
244	Multiplexed Millimeter Wave Communication with Dual Orbital Angular Momentum (OAM) Mode Antennas. <i>Scientific Reports</i> , <b>2015</b> , 5, 10148	4.9	144
243	Mode Division Multiplexing Communication Using Microwave Orbital Angular Momentum: An Experimental Study. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 1308-1318	9.6	129
242	Transmission Characteristics of a Twisted Radio Wave Based on Circular Traveling-Wave Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 1530-1536	4.9	127
241	Ultralow Reflectivity Spiral Phase Plate for Generation of Millimeter-wave OAM Beam. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 966-969	3.8	116
240	Ray-optics cloaking devices for large objects in incoherent natural light. <i>Nature Communications</i> , <b>2013</b> , 4, 2652	17.4	112
239	Fiber optic Bragg grating sensor based on hydrogels for measuring salinity. <i>Sensors and Actuators B: Chemical</i> , <b>2002</b> , 87, 487-490	8.5	88
238	Negative refraction of a combined double S-shaped metamaterial. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 1519-1521	3.9	84
237	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> , <b>2016</b> , 15, 1156-1158	3.8	80
236	Experimental demonstration of a free-space cylindrical cloak without superluminal propagation. <i>Physical Review Letters</i> , <b>2012</b> , 109, 223903	7.4	79
235	Metamaterial exhibiting left-handed properties over multiple frequency bands. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 5338-5340	2.5	79
234	Photonic Generation of Phase-Coded Microwave Signal With Large Frequency Tunability. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 712-714	2.2	74
233	Optical single sideband Modulation of 11-GHz RoF system using stimulated Brillouin scattering. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 1277-1279	2.2	70
232	Generation of Plane Spiral OAM Waves Using Traveling-Wave Circular Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 8-11	3.8	69
231	Demonstration of etched cladding fiber Bragg grating-based sensors with hydrogel coating. <i>Sensors and Actuators B: Chemical</i> , <b>2003</b> , 96, 468-472	8.5	67
230	Optically Tunable Frequency-Doubling Brillouin Optoelectronic Oscillator With Carrier Phase-Shifted Double Sideband Modulation. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1051-1053	2.2	64

229	Instantaneous Microwave Frequency Measurement Using an Optical Phase Modulator. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2009</b> , 19, 422-424	2.6	62
228	Four-OAM-Mode Antenna With Traveling-Wave Ring-Slot Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 194-197	3.8	60
227	MAGNETIC PROPERTIES OF S-SHAPED SPLIT-RING RESONATORS. <i>Progress in Electromagnetics Research</i> , <b>2005</b> , 51, 231-247	3.8	58
226	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> , <b>2011</b> , 21, 694-696	2.6	57
225	A novel high photoluminescence efficiency polymer incorporated with pendant europium complexes. <i>Polymer</i> , <b>2001</b> , 42, 4605-4610	3.9	57
224	The Capacity Gain of Orbital Angular Momentum Based Multiple-Input-Multiple-Output System. <i>Scientific Reports</i> , <b>2016</b> , 6, 25418	4.9	52
223	Temperature-dependent electroluminescence from (Eu, Gd) coordination complexes. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 2596-2598	3.4	50
222	High-sensitivity temperature sensor based on an optoelectronic oscillator. <i>Applied Optics</i> , <b>2014</b> , 53, 5084-7	4.7	48
221	Heterogeneous Polymerization of Hydrogels on Hydrophobic Substrate. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 4565-4571	3.4	48
220	All-optical generation of microwave and Millimeter wave using a two-frequency Bragg grating-based Brillouin fiber laser. <i>Journal of Lightwave Technology</i> , <b>2005</b> , 23, 1860-1865	4	45
219	Concealing arbitrary objects remotely with multi-folded transformation optics. <i>Light: Science and Applications</i> , <b>2016</b> , 5, e16177	16.7	44
218	Optical Single-Sideband Modulation Using a Fiber-Bragg-Grating-Based Optical Hilbert Transformer. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 558-560	2.2	42
217	100 Gbit/s THz Photonic Wireless Transmission in the 350-GHz Band With Extended Reach. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 1064-1067	2.2	41
216	Orbital angular momentum mode-demultiplexing scheme with partial angular receiving aperture. <i>Optics Express</i> , <b>2015</b> , 23, 12251-7	3.3	39
215	Microwave spectrum sensing based on photonic time stretch and compressive sampling. <i>Optics Letters</i> , <b>2013</b> , 38, 136-8	3	39
214	Instantaneous Microwave Frequency Measurement Using a Special Fiber Bragg Grating. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2011</b> , 21, 52-54	2.6	39
213	Size Manipulated Photoluminescence and Phosphorescence in CaTiO <sub>3</sub> :Pr <sup>3+</sup> +Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 18044-18048	3.8	37
212	High-Resolution Multiple Microwave Frequency Measurement Based on Stimulated Brillouin Scattering. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1115-1117	2.2	36

211	Microwave spectral analysis based on photonic compressive sampling with random demodulation. <i>Optics Letters</i> , <b>2012</b> , 37, 4636-8	3	35
210	Photonic instantaneous measurement of microwave frequency using fiber Bragg grating. <i>Optics Communications</i> , <b>2010</b> , 283, 396-399	2	35
209	Investigation of Molecular Diffusion in Hydrogel by Electronic Speckle Pattern Interferometry. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 6069-6074	3-4	35
208	Realization of Beam Steering Based on Plane Spiral Orbital Angular Momentum Wave. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 1352-1358	4-9	34
207	Generation of Orbital Angular Momentum Radio Waves Based on Dielectric Resonator Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 385-388	3-8	33
206	Photonic Generation of Dual-Chirp Waveforms With Improved Time-Bandwidth Product. <i>IEEE Photonics Technology Letters</i> , <b>2017</b> , 29, 1253-1256	2-2	33
205	Loss induced amplification of graphene plasmons. <i>Optics Letters</i> , <b>2016</b> , 41, 681-4	3	33
204	MICROWAVE/MILLIMETER-WAVE GENERATION USING MULTI-WAVELENGTH PHOTONIC CRYSTAL FIBER BRILLOUIN LASER. <i>Progress in Electromagnetics Research</i> , <b>2008</b> , 80, 307-320	3-8	33
203	Half-mode substrate integrated waveguide antenna for generating multiple orbital angular momentum modes. <i>Electronics Letters</i> , <b>2016</b> , 52, 684-686	1-1	32
202	Optoelectronic oscillator with phase-shifted fiber Bragg grating. <i>Optics Communications</i> , <b>2014</b> , 319, 117-120		31
201	Transport of Glucose and Poly(ethylene glycol)s in Agarose Gels Studied by the Refractive Index Method. <i>Macromolecules</i> , <b>2005</b> , 38, 5236-5242	5-5	31
200	Transforming Surface Wave to Propagating OAM Vortex Wave via Flat Dispersive Metasurface in Radio Frequency. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 172-175	3-8	29
199	A Wideband Frequency-Tunable Optoelectronic Oscillator Based on a Narrowband Phase-Shifted FBG and Wavelength Tuning of Laser. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 73-75	2-2	29
198	Hilbert Huang Transform Time-Frequency Analysis in $\phi$ -OTDR Distributed Sensor. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 2403-2406	2-2	28
197	CLOAKING A PERFECTLY CONDUCTING SPHERE WITH ROTATIONALLY UNIAXIAL NIHILITY MEDIA IN MONOSTATIC RADAR SYSTEM. <i>Progress in Electromagnetics Research</i> , <b>2010</b> , 100, 285-298	3-8	27
196	Free-Space Radio Communication Employing OAM Multiplexing Based on Rotman Lens. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2016</b> , 26, 738-740	2-6	27
195	Single-frequency computational imaging using OAM-carrying electromagnetic wave. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 184506	2-5	26
194	Beam shifting experiment for the characterization of left-handed properties. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 2238-2241	2-5	26

193	2 B00 Gbit/s Line Rate PS-64QAM-OFDM THz Photonic-Wireless Transmission. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 4715-4721	4	24
192	Compressive sensing in a photonic link with optical integration. <i>Optics Letters</i> , <b>2014</b> , 39, 2222-4	3	24
191	Light-Emitting Substituted Polyacetylenes. <i>Japanese Journal of Applied Physics</i> , <b>1999</b> , 38, 2017-2023	1.4	23
190	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> , <b>2013</b> , 31, 3395-3404		22
189	Graphene induced mode bifurcation at low input power. <i>Carbon</i> , <b>2016</b> , 98, 463-467	10.4	21
188	. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2017</b> , 27, 757-759	2.6	21
187	Highly efficient photonic-crystal splitters based on one-way waveguiding. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2013</b> , 30, 173	1.7	21
186	In Situ Monitoring of Hydrogel Polymerization Using Speckle Interferometry. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 2888-2891	3.4	21
185	3D Visible-Light Invisibility Cloak. <i>Advanced Science</i> , <b>2018</b> , 5, 1800056	13.6	20
184	Orbital Angular Momentum-Based Communications With Partial Arc Sampling Receiving. <i>IEEE Communications Letters</i> , <b>2016</b> , 1-1	3.8	20
183	Photonic Microwave Up-Conversion of Vector Signals Based on an Optoelectronic Oscillator. <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 1758-1761	2.2	20
182	A Graphene-Enhanced Fiber-Optic Phase Modulator With Large Linear Dynamic Range. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 1867-1870	2.2	20
181	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2005</b> , 53, 1522-1526	4.1	20
180	Photonic generation of frequency quadrupling signal for millimeter-wave communication. <i>Optics Communications</i> , <b>2013</b> , 304, 71-74	2	18
179	Proposal for photonic quantization with differential encoding using a phase modulator and delay-line interferometers. <i>Optics Letters</i> , <b>2011</b> , 36, 1629-31	3	18
178	Spectra of dual overwritten fiber Bragg grating. <i>Optics Communications</i> , <b>2001</b> , 188, 31-39	2	18
177	Broadband enhancement of on-chip single-photon extraction via tilted hyperbolic metamaterials. <i>Applied Physics Reviews</i> , <b>2020</b> , 7, 021403	17.3	17
176	Photonic generation of chirped microwave signals with high time-bandwidth product. <i>Optics Communications</i> , <b>2014</b> , 316, 106-110	2	17

175	A Reconfigurable Microwave Photonic Channelized Receiver Based on Dense Wavelength Division Multiplexing Using an Optical Comb. <i>Optics Communications</i> , <b>2012</b> , 285, 2311-2315	2	17
174	A Tunable Optoelectronic Oscillator Based on a Dispersion-Induced Microwave Photonic Filter. <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 921-924	2.2	17
173	Performances improvement in radio over fiber link through carrier suppression using Stimulated Brillouin scattering. <i>Optics Express</i> , <b>2010</b> , 18, 11827-37	3.3	17
172	T-junction waveguide experiment to characterize left-handed properties of metamaterials. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 3712-3716	2.5	17
171	Simulation of orbital angular momentum radio communication systems based on partial aperture sampling receiving scheme. <i>IET Microwaves, Antennas and Propagation</i> , <b>2016</b> , 10, 1043-1047	1.6	17
170	Plane spiral orbital angular momentum electromagnetic wave <b>2015</b> ,		16
169	An Orbital Angular Momentum-Based In-Band Full-Duplex Communication System and Its Mode Selection. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 1183-1186	3.8	15
168	Photonic crystal cavity with one-way rotating state and its coupling with photonic crystal waveguide. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 043106	2.5	15
167	Photonic analog-to-digital converter using Mach-Zehnder modulators having identical half-wave voltages with improved bit resolution. <i>Applied Optics</i> , <b>2009</b> , 48, 4458-67	0.2	15
166	An Optical Millimeter-Wave Generation Technique Based on Phase Modulation and Brillouin-Assisted Notch-Filtering. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 2057-2059	2.2	15
165	Large-Scale Fabrication of Pr <sup>3+</sup> -Doped or Undoped Nanosized ATiO <sub>3</sub> (A= Ca, Sr, Ba) with Different Shapes via a Facile Solvothermal Technique. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 779-781	3.5	15
164	Performance Analysis of Plane Spiral OAM Mode-Group Based MIMO System. <i>IEEE Communications Letters</i> , <b>2020</b> , 24, 1414-1418	3.8	14
163	26.8-m THz wireless transmission of probabilistic shaping 16-QAM-OFDM signals. <i>APL Photonics</i> , <b>2020</b> , 5, 056105	5.2	14
162	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> , <b>2018</b> , 36, 4549-4556	4	14
161	Non-Line-of-Sight Channel Performance of Plane Spiral Orbital Angular Momentum MIMO Systems. <i>IEEE Access</i> , <b>2017</b> , 5, 25377-25384	3.5	13
160	Electro-optic modulator feedback control in phase-sensitive optical time-domain reflectometer distributed sensor. <i>Applied Optics</i> , <b>2013</b> , 52, 8581-5	1.7	13
159	. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 1694-1696	2.2	13
158	Refractive index sensor based on tilted fiber Bragg grating and stimulated Brillouin scattering. <i>Optics Express</i> , <b>2012</b> , 20, 10853-8	3.3	13

157	Recent developments in graphene-based optical modulators. <i>Frontiers of Optoelectronics</i> , <b>2014</b> , 7, 277-292	2.2	12
156	Experimental generation of linearly chirped 350 GHz band pulses with a bandwidth beyond 60 GHz. <i>Optics Letters</i> , <b>2017</b> , 42, 5242-5245	3	12
155	Space-frequency analysis with parallel computing in a phase-sensitive optical time-domain reflectometer distributed sensor. <i>Applied Optics</i> , <b>2014</b> , 53, 6586-90	1.7	12
154	A Continuously Tunable Microwave Fractional Hilbert Transformer Based on a Nonuniformly Spaced Photonic Microwave Delay-Line Filter. <i>Journal of Lightwave Technology</i> , <b>2012</b> ,	4	12
153	Simultaneously Realizing PM-IM Conversion and Efficiency Improvement of Fiber-Optic Links Using FBG. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2009</b> , 23, 161-170	1.3	12
152	Electro-optically tunable microwave source based on composite-cavity microchip laser. <i>Optics Express</i> , <b>2012</b> , 20, 29090-5	3.3	12
151	In situ monitoring gelation process of N,N-dimethylacrylamide by refractive index technique. <i>Polymer</i> , <b>2002</b> , 43, 6761-6765	3.9	12
150	All-positive-coefficient microwave photonic filter with rectangular response. <i>Optics Letters</i> , <b>2017</b> , 42, 3012-3015	3	12
149	An improved photonic analog-to-digital conversion scheme using Mach-Zehnder modulators with identical half-wave voltages. <i>Optics Communications</i> , <b>2018</b> , 425, 157-160	2	11
148	CMOS-Compatible Long-Range Dielectric-Loaded Plasmonic Waveguides. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 3361-3367	4	11
147	All-optical modulator with long range surface plasmon resonance. <i>Optics and Laser Technology</i> , <b>2013</b> , 49, 316-319	4.2	11
146	Photonic instantaneous microwave frequency measurement based on two different phase modulation to intensity modulation conversions. <i>Optics Communications</i> , <b>2011</b> , 284, 3928-3932	2	11
145	Optical wavelet-matched filtering with bacteriorhodopsin films. <i>Applied Optics</i> , <b>1997</b> , 36, 8413-6	1.7	11
144	Analysis of rotational Doppler effect based on radio waves carrying orbital angular momentum. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 164907	2.5	11
143	Photonic approach for microwave spectral analysis based on Fourier cosine transform. <i>Optics Letters</i> , <b>2011</b> , 36, 3897-9	3	10
142	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> , <b>2010</b> , 24, 795-802	1.3	10
141	Performance Improvement of Phase Modulation with Interferometric Detection Through Low-biasing. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2010</b> , 24, 123-132	1.3	10
140	Analysis of the effects of mode coupling on the bandwidth characteristics of step-index plastic optical fiber. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 432-435	1.2	10

139	Generation and propagation characteristics of electromagnetic vortices in radio frequency. <i>Photonics Research</i> , <b>2016</b> , 4, B9	6	10
138	Single-pixel imaging based on compressive sensing with spectral-domain optical mixing. <i>Optics Communications</i> , <b>2017</b> , 402, 119-122	2	9
137	Non-contact radio frequency shielding and wave guiding by multi-folded transformation optics method. <i>Scientific Reports</i> , <b>2016</b> , 6, 36846	4.9	9
136	. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 841-844	2.2	9
135	Frequency stability optimization of an OEO using phase-locked-loop and self-injection-locking. <i>Optics Communications</i> , <b>2017</b> , 386, 27-30	2	8
134	Structure Radio Beam Construction in Azimuthal Domain. <i>IEEE Access</i> , <b>2020</b> , 8, 9395-9402	3.5	8
133	Generation of plane spiral orbital angular momentum microwave with ring dielectric resonator antenna <b>2017</b> ,		8
132	Simultaneous realization of optical carrier-suppression and SSB modulation in wireless fiber links using fiber Bragg grating. <i>Microwave and Optical Technology Letters</i> , <b>2005</b> , 46, 336-339	1.2	8
131	A Compact Pattern Reconfiguration Antenna Based on Multimode Plane Spiral OA. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 1168-1172	4.9	8
130	Analysis of compressive sensing with optical mixing using a spatial light modulator. <i>Applied Optics</i> , <b>2015</b> , 54, 1894-9	1.7	7
129	Compressive sensing with a microwave photonic filter. <i>Optics Communications</i> , <b>2015</b> , 338, 428-432	2	7
128	Reconfigurable OAM antenna based on sub-wavelength phase modulation structure. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 354-359	1.6	7
127	Plane spiral orbital angular momentum wave and its applications <b>2016</b> ,		7
126	A Wideband Tunable Optoelectronic Oscillator Based on a Spectral-Subtraction-Induced MPF. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 947-950	2.2	7
125	Optical carrier-suppression of microwave signals with stimulated Brillouin scattering in long fiber ring. <i>Microwave and Optical Technology Letters</i> , <b>2004</b> , 43, 258-260	1.2	7
124	Microwave photonic signals conversion using stimulated Brillouin scattering. <i>Optics Communications</i> , <b>2005</b> , 249, 109-115	2	7
123	Direct Generation of OAM Mode-Group and Its Application in LoS-MIMO System. <i>IEEE Communications Letters</i> , <b>2020</b> , 24, 2628-2631	3.8	7
122	Photonic-assisted time-interleaved ADC based on optical delay line. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 015704	1.7	6



121	Spurious-free dynamic range improvement in a photonic time-stretched analog-to-digital converter based on third-order predistortion. <i>Photonics Research</i> , <b>2014</b> , 2, 97	6	6
120	Noise reduction using photonic microwave filter for radio over fiber system. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 305-307	1.2	6
119	A novel tunable fiber-optic microwave notch filter using fiber loop and cascaded fiber Bragg gratings. <i>Microwave and Optical Technology Letters</i> , <b>2004</b> , 41, 386-388	1.2	6
118	Polarization insensitive coherent detection for Brillouin scattering spectrum in BOTDR. <i>Optics Communications</i> , <b>2005</b> , 254, 168-172	2	6
117	Photonic microwave transversal filter employing a fiber-Bragg-grating-based multiple resonator. <i>Microwave and Optical Technology Letters</i> , <b>2005</b> , 44, 369-371	1.2	6
116	Coherently demodulated orbital angular momentum shift keying system using a CNN-based image identifier as demodulator. <i>Optics Communications</i> , <b>2019</b> , 435, 367-373	2	6
115	Dual-Band THz Photonic Pulses Enabling Synthetic mm-Scale Range Resolution. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 1760-1763	2.2	6
114	Tbit/s Multi-Dimensional Multiplexing THz-Over-Fiber for 6G Wireless Communication. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 5783-5790	4	6
113	Spurious-Free Dynamic Range of the Photonic Time-Stretch System. <i>IEEE Photonics Technology Letters</i> , <b>2017</b> , 29, 794-797	2.2	5
112	Photonic Generation and De-Chirping of Broadband THz Linear-Frequency-Modulated Signals. <i>IEEE Photonics Technology Letters</i> , <b>2019</b> , 31, 881-884	2.2	5
111	Harmonics analysis of the photonic time stretch system. <i>Applied Optics</i> , <b>2016</b> , 55, 7222-8	0.2	5
110	Local topological charge analysis of electromagnetic vortex beam based on empirical mode decomposition. <i>Optics Express</i> , <b>2016</b> , 24, 5423-5430	3.3	5
109	Relaxed dispersion requirement in the generation of chirped RF signals based on frequency-to-time mapping. <i>Optics Communications</i> , <b>2014</b> , 331, 278-281	2	5
108	Grouping plane spiral electromagnetic waves for structured rf beams <b>2017</b> ,		5
107	Orbital Angular Momentum Generation Using a Circular Wire Loop Antenna <b>2014</b> ,		5
106	Differentially Encoded Photonic Analog-to-Digital Conversion Based on Phase Modulation and Interferometric Demodulation. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 1890-1892	2.2	5
105	Tunable fiber fabry-perot filter for PM-IM conversion and efficiency improvement in radio-over-fiber links. <i>Microwave and Optical Technology Letters</i> , <b>2010</b> , 52, 2090-2095	1.2	5
104	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> , <b>2008</b> , 50, 809-814	1.2	5

103	A Hybrid Radio Over Fiber Wireless Sensor Network Architecture <b>2007</b> ,		5
102	In situ investigation of drug diffusion in hydrogels by the refractive index method. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 2807-12	7.8	5
101	Orbital Angular Momentum Mode-Group Based Spatial Field Digital Modulation: Coding Scheme and Performance Analysis <b>2020</b> ,		5
100	An integrated optical beamforming network for two-dimensional phased array radar. <i>Optics Communications</i> , <b>2021</b> , 489, 126809	2	5
99	A graphene-based all-fiber electro-absorption modulator. <i>Journal of Optics (India)</i> , <b>2016</b> , 45, 337-342	1.3	5
98	Photonic Vector Signal Generation Based on OEO and Optical Coherent QPSK Modulation. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 1711-1714	2.2	5
97	A Two-Dimensional LiNbO3 Photonic E-Field Sensor Using Inclined Dipole Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 2203-2206	3.8	4
96	Characterization of the photonic generation of phase-coded RF signals based on pulse shaping and frequency-to-time mapping <b>2015</b> , 54, 3956		4
95	Highly sensitive demodulation of a vibration-induced phase shift based on a low-noise OEO. <i>Optics Letters</i> , <b>2017</b> , 42, 4052-4054	3	4
94	Orbital angular momentum antenna using dielectric resonator <b>2015</b> ,		4
93	Photonic analog-to-digital converter based on the robust symmetrical number system. <i>Optics Communications</i> , <b>2012</b> , 285, 4966-4970	2	4
92	An electrically tunable frequency-doubling optoelectronic oscillator with operation based on stimulated Brillouin scattering. <i>Journal of Optics (United Kingdom)</i> , <b>2013</b> , 15, 035406	1.7	4
91	Optical generation of microwave/millimeter-wave based on Brillouin-Erbium fiber laser. <i>Microwave and Optical Technology Letters</i> , <b>2011</b> , 53, 1761-1763	1.2	4
90	Photonic analog-to-digital conversion using multiple comparators and Mach-Zehnder modulators with identical half-wave voltages. <i>Optics Communications</i> , <b>2009</b> , 282, 504-507	2	4
89	Frequency Response Equalization Using Fiber Bragg Grating Tilted Filter in RoF Systems. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 2465-2469	4	4
88	Reconfigurable microwave photonic transversal filter using a variable gain tilt filter. <i>Optics Communications</i> , <b>2008</b> , 281, 998-1002	2	4
87	Stimulated Brillouin scattering for efficient improvement of radio-over-fiber systems. <i>Optical Engineering</i> , <b>2005</b> , 44, 105003	1.1	4
86	Bragg grating assisted coupler for add-drop filter		4

85	Exploring THz band for high speed wireless communications <b>2016</b> ,		4
84	Low Probability of Intercept Communication Based on Structured Radio Beams Using Machine Learning. <i>IEEE Access</i> , <b>2019</b> , 7, 169946-169952	3.5	4
83	Realization of Structured Electromagnetic Waves Based on Plane Spiral Orbital Angular Momentum Waves Using Circular Cylindrical Conformal Microstrip Antenna Array <b>2018</b> ,		4
82	Approaching the Fundamental Limit of Orbital-Angular-Momentum Multiplexing Through a Hologram Metasurface. <i>Physical Review Applied</i> , <b>2021</b> , 16,	4.3	4
81	Photonic compressive sensing with a micro-ring-resonator-based microwave photonic filter. <i>Optics Communications</i> , <b>2016</b> , 373, 65-69	2	3
80	Modulation Fading in Temporal Talbot Effect. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 1376-1379	2.2	3
79	Photonics-enabled compressive sensing with spectral encoding using an incoherent broadband source. <i>Optics Letters</i> , <b>2018</b> , 43, 330-333	3	3
78	Rotational Doppler effect based on the radio orbital angular momentum wave <b>2017</b> ,		3
77	<b>2015</b> ,		3
76	A SIMPLE UNIDIRECTIONAL OPTICAL INVISIBILITY CLOAK MADE OF WATER. <i>Progress in Electromagnetics Research</i> , <b>2014</b> , 146, 1-5	3.8	3
75	A wideband electro-optic modulator based on long range surface plasmon resonances. <i>Journal of Optics (United Kingdom)</i> , <b>2011</b> , 13, 125001	1.7	3
74	Any bias point control of mach-zehnder electrooptic modulator and its applications in optimization of radio-over-fiber links <b>2011</b> ,		3
73	A reconfigurable photonic microwave channelized receiver based on an optical comb <b>2011</b> ,		3
72	Electroluminescent Devices Based on Poly(diphenylacetylene) with Carbazolyl Side Groups. <i>Japanese Journal of Applied Physics</i> , <b>1997</b> , 36, L1508-L1510	1.4	3
71	Optimized electrode structure for a high-Q electro-optic microdisk-based optical phase modulator. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 313-316	1.2	3
70	Optical steering of a phased-array antenna based on fast delay-line switches. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 1449-1452	1.2	3
69	Comparison of polarization-mode dispersion tolerances in polarization-multiplexing systems with different modulation formats. <i>Optics Communications</i> , <b>2006</b> , 259, 640-644	2	3
68	Characteristics of radio transmission over polymer optical fiber for indoor wireless coverage. <i>Optics Communications</i> , <b>2006</b> , 264, 142-147	2	3

67	Investigation into Molecular Diffusion in Hydrogels Using the Refractive Index Method. <i>Macromolecular Rapid Communications</i> , <b>2002</b> , 23, 968-971	4.8	3
66	Two-Frequency Brillouin Fiber Laser Based on Bragg Grating Fabry-Perot Cavity. <i>Fiber and Integrated Optics</i> , <b>2005</b> , 24, 83-90	0.8	3
65	Investigation of the gelation process by in-situ interferometry. <i>Macromolecular Rapid Communications</i> , <b>2000</b> , 21, 998-1001	4.8	3
64	Three-dimensional degenerate multiwave mixing and optical storage effects in C60 Langmuir-Blodgett films. <i>Optics Communications</i> , <b>1995</b> , 113, 519-522	2	3
63	Multiple forward phase conjugate waves by degenerate four-wave-mixing in Langmuir-Blodgett films with BOXCARs geometry. <i>Optics Communications</i> , <b>1991</b> , 86, 428-430	2	3
62	Nonlinearity-aware optoelectronic terahertz discrete multitone signal transmission with a zero-bias diode. <i>Optics Letters</i> , <b>2020</b> , 45, 5045-5048	3	3
61	Transformation of OAM Waves to Plane Spiral OAM Waves Based on Gradient-Index Meta-Surface <b>2018</b> ,		3
60	Experimental Study of Plane Spiral OAM Mode-Group Based MIMO Communications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	3
59	Impact of 3rd-order dispersion on photonic time-stretch system. <i>Optics Communications</i> , <b>2017</b> , 402, 206-210		2
58	Channelized amplification of RF signal based on actively mode locked fiber laser. <i>Optics Communications</i> , <b>2018</b> , 421, 46-49	2	2
57	Design of X-Cut and Z-Cut Lithium Niobate Whispering-Gallery-Mode Disk-Resonators With High Quality Factors. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-8	1.8	2
56	Generating wideband orbital angular momentum beams using helical antenna <b>2017</b> ,		2
55	Orbital angular momentum mode multiplexing with half-mode substrate integrated waveguide antenna <b>2015</b> ,		2
54	Novel Demodulation Method for Fiber-Optic Interferometers Based on $\pi/2$ Phase Modulation. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1981-1983	2.2	2
53	Instantaneous microwave frequency measurement with a uniform resolution and improved dynamic range <b>2012</b> ,		2
52	A novel control scheme for four-plate retardation polarization controller. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 124-128	1.2	2
51	Digitally controlled programmable high-speed variable optical attenuator. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 1019-1021	1.2	2
50	Degree of polarization technique used in PMD compensation of optical microwave transmission systems. <i>Optics Communications</i> , <b>2004</b> , 236, 109-114	2	2

49	A simple filter based on stimulated Brillouin scattering for carrier-suppression of microwave photonics signals <b>2005</b> ,		2
48	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> , <b>2020</b> , 458, 124818 <sup>2</sup>		2
47	Photonic generation of terahertz dual-chirp waveforms ranging from 364 to 392 GHz. <i>Optics Express</i> , <b>2021</b> , 29, 19240-19246	3.3	2
46	A Novel Scheme of Microwave Generation Based on Heterodyne Phase Locking of an OEO. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 2637-2640	2.2	2
45	Time-Division Multiplexed Vector Signal Synthesizer Based on Continuous PTS. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 1020-1023	2.2	2
44	Analyses of Whispering Gallery Modes in Circular Resonators by Transmission Line Theory. <i>Journal of Lightwave Technology</i> , <b>2014</b> , 32, 2345-2352	4	1
43	Photonic generation of linear frequency modulated terahertz pulses in the 350 GHz band with beyond 40 GHz bandwidth <b>2017</b> ,		1
42	Frequency-dependent noise figure analysis of continuous photonic time-stretch system. <i>Applied Optics</i> , <b>2017</b> , 56, 8246-8251	1.7	1
41	Photonics-assisted compressive sensing for sparse signal acquisition <b>2015</b> ,		1
40	A frequency-doubling optoelectronic oscillator based on phase modulator <b>2012</b> ,		1
39	Cross-Layer Power Allocation for Packet Transmission Over Fading Channel. <i>Wireless Personal Communications</i> , <b>2012</b> , 65, 617-642	1.9	1
38	A microwave photonic scheme for improving the sensitivity of Mach-Zehnder optical fiber interferometer sensor <b>2011</b> ,		1
37	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> , <b>2010</b> , 28, 2865-2872	4	1
36	Optical variable gain tilt filter with temperature compensation. <i>Microwave and Optical Technology Letters</i> , <b>2010</b> , 52, 1906-1909	1.2	1
35	A novel wavelength shift keying transmitter using a pair of Mach-Zehnder modulators. <i>Optics Communications</i> , <b>2008</b> , 281, 2517-2521	2	1
34	FIR Photonic Microwave Filter Design Employing Simulated Annealing Algorithm. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2004</b> , 25, 1757-1764		1
33	Left-handed metamaterial and its experimental verifications. <i>Science Bulletin</i> , <b>2003</b> , 48, 1325-1327		1
32	Transmission Performance Improvement in Microwave/Millimeter-Wave Optical System Using Chirped Fiber Grating. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2005</b> , 26, 1005-1016		1

31	Long Distance Broadband Fiber Optical Beamforming Over 120 km. <i>IEEE Access</i> , <b>2021</b> , 9, 152182-152187, 3.5	1
30	A Fan Ring Resonator Antenna For Generating High Gain PSOAM Mode-Group With Ultrahigh Equivalent Order <b>2021</b> ,	1
29	Super-mode noise suppression for coupled optoelectronic oscillator with optoelectronic hybrid filter. <i>Optics Communications</i> , <b>2018</b> , 426, 138-141	2 1
28	60 Gbit/s PAM-4 wireless transmission in the 310 GHz band with nonlinearity tolerant signal processing. <i>Optics Communications</i> , <b>2021</b> , 492, 126988	2 1
27	A Non-Uniform Travelling-Wave Current Source Model for Designing OAM Antenna: Theory, Analysis and Application. <i>IEEE Access</i> , <b>2022</b> , 10, 47499-47508	3.5 1
26	Generating dual-polarized orbital angular momentum radio beams with dual-bowtie cell. <i>AIP Advances</i> , <b>2019</b> , 9, 115004	1.5 0
25	Tunable frequency equalization using variable optical tilt filter in radio-over-fiber links. <i>Microwave and Optical Technology Letters</i> , <b>2010</b> , 52, 2456-2459	1.2 0
24	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> , <b>2004</b> , 25, 1805-1809	0
23	Orbital Angular Momentum Based Structured Radio Beams and its Applications <b>2021</b> , 269-293	0
22	Photonic compressive sensing for analog-to-information conversion with a delay-line based microwave photonic filter. <i>Optics Communications</i> , <b>2016</b> , 371, 83-88	2 0
21	Photonic radiofrequency receiver utilizing a phase modulator and a tunable single sideband optoelectronic oscillator. <i>Microwave and Optical Technology Letters</i> , <b>2019</b> , 61, 2196-2201	1.2
20	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> , <b>2016</b> , 64, 4581-4581 <sup>4-9</sup>	
19	Tunable multi-tap microwave photonic filter with complex coefficients using a dual-parallel Mach-Zehnder modulator. <i>Journal of Modern Optics</i> , <b>2013</b> , 60, 1069-1073	1.1
18	On the undesired frequency chirping in photonic time-stretch systems. <i>Optics Communications</i> , <b>2017</b> , 405, 192-196	2
17	Four-tap microwave photonic filter with tunable center frequency and reconfigurable transfer function. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 1740-1743	1.2
16	Photonic instantaneous frequency measurement with digital output based on dispersion induced power fading functions. <i>Optics Communications</i> , <b>2013</b> , 292, 53-56	2
15	Frequency response equalization in phase modulated RoF systems using optical carrier Brillouin processing. <i>Frontiers of Optoelectronics in China</i> , <b>2011</b> , 4, 277-281	
14	Quadratic electro-optic properties of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> transparent ceramics under both DC and AC bias. <i>Applied Optics</i> , <b>2012</b> , 51, 2870-6	1.7

- 13 TUNABLE FIBER FABRY-PEROT FILTER FOR OPTICAL CARRIER-SUPPRESSION AND SINGLE-SIDEBAND MODULATION IN RADIO OVER FIBER LINKS. *Journal of Infrared, Millimeter and Terahertz Waves*, **2007**, 27, 381-390
- 12 Two-dimensional mapping of electro-optic phase retardation in PLZT by digital holography. *Microwave and Optical Technology Letters*, **2008**, 50, 3093-3097 1.2
- 11 Investigation on spectra of prism-coupled microdisk resonator. *Microwave and Optical Technology Letters*, **2006**, 48, 1265-1269 1.2
- 10 A flexible and incoherent microwave photonic filter with a flat-top passband. *Microwave and Optical Technology Letters*, **2005**, 46, 132-134 1.2
- 9 Experimental Investigation on the Effect of Optical Source on Photonic Microwave Filter Performance. *Journal of Infrared, Millimeter and Terahertz Waves*, **2005**, 26, 763-770
- 8 Tunable All-Optical Microwave Filters Based on Fiber Loop and Chirped Fiber Bragg Gratings. *Journal of Infrared, Millimeter and Terahertz Waves*, **2005**, 26, 1207-1215
- 7 Integrated Electro-Absorption Modulation DFB Laser Based Optical True Time-Delay Feeder for X-Band Phased Array Antennas. *Journal of Infrared, Millimeter and Terahertz Waves*, **2005**, 26, 1465-1472
- 6 Equivalent network approach for a general nonlinear planar optical waveguide. *Optics Communications*, **1996**, 128, 15-18 2
- 5 Local property study for arbitrary polarised OAM beam. *IET Microwaves, Antennas and Propagation*, **2019**, 13, 1846-1853 1.6
- 4 Erratum to "A Compact Pattern Reconfiguration Antenna Based on Multimode Plane Spiral OAM" [Feb 21 1168-1172]. *IEEE Transactions on Antennas and Propagation*, **2021**, 69, 3628-3628 4.9
- 3 Photonic heterodyne generation of phase-coded terahertz signals. *Optics Communications*, **2021**, 499, 127253 2
- 2 A structure optimization for integrated binary reconfigurable true time delay lines. *Optics Communications*, **2022**, 502, 127439 2
- 1 Photonics-Aided 300-500 GHz Wireless Communications Beyond 100 Gbps. *Springer Series in Optical Sciences*, **2022**, 467-472 0.5