

Hao Chi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Mode Division Multiplexing Communication Using Microwave Orbital Angular Momentum: An Experimental Study. <i>IEEE Transactions on Wireless Communications</i> , 2017, 16, 1308-1318.	9.2	209
2	Multiplexed Millimeter Wave Communication with Dual Orbital Angular Momentum (OAM) Mode Antennas. <i>Scientific Reports</i> , 2015, 5, 10148.	3.3	195
3	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.	5.1	183
4	Ultralow Reflectivity Spiral Phase Plate for Generation of Millimeter-wave OAM Beam. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015, 14, 966-969.	4.0	179
5	An Approach to the Measurement of Microwave Frequency Based on Optical Power Monitoring. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 1249-1251.	2.5	159
6	Analytical Models for Phase-Modulation-Based Microwave Photonic Systems With Phase Modulation to Intensity Modulation Conversion Using a Dispersive Device. <i>Journal of Lightwave Technology</i> , 2009, 27, 511-521.	4.6	126
7	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.	4.0	120
8	Microwave Frequency Measurement Based on Optical Power Monitoring Using a Complementary Optical Filter Pair. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009, 57, 505-511.	4.6	107
9	Optically Tunable Frequency-Doubling Brillouin Optoelectronic Oscillator With Carrier Phase-Shifted Double Sideband Modulation. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1051-1053.	2.5	100
10	Frequency Quadrupling and Upconversion in a Radio Over Fiber Link. <i>Journal of Lightwave Technology</i> , 2008, 26, 2706-2711.	4.6	98
11	Generation of Plane Spiral OAM Waves Using Traveling-Wave Circular Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 8-11.	4.0	96
12	Instantaneous Microwave Frequency Measurement Using an Optical Phase Modulator. <i>IEEE Microwave and Wireless Components Letters</i> , 2009, 19, 422-424.	3.2	89
13	Photonic Generation of Phase-Coded Microwave Signal With Large Frequency Tunability. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 712-714.	2.5	88
14	Four-OAM-Mode Antenna With Traveling-Wave Ring-Slot Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 194-197.	4.0	82
15	Photonic Generation of Phase-Coded Millimeter-Wave Signal Using a Polarization Modulator. <i>IEEE Microwave and Wireless Components Letters</i> , 2008, 18, 371-373.	3.2	75
16	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.	2.5	72
17	An Approach to Photonic Generation of High-Frequency Phase-Coded RF Pulses. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 768-770.	2.5	69
18	The Capacity Gain of Orbital Angular Momentum Based Multiple-Input-Multiple-Output System. <i>Scientific Reports</i> , 2016, 6, 25418.	3.3	68

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19	Photonic Generation of Phase-Coded Millimeter-Wave Signal With Large Frequency Tunability Using a Polarization-Maintaining Fiber Bragg Grating. IEEE Microwave and Wireless Components Letters, 2011, 21, 694-696.	3.2	66
20	Photonic Generation of Microwave Signals Based on Pulse Shaping. IEEE Photonics Technology Letters, 2007, 19, 668-670.	2.5	62
21	Optoelectronic oscillator with phase-shifted fiber Bragg grating. Optics Communications, 2014, 319, 117-120.	2.1	61
22	Instantaneous Microwave Frequency Measurement Using a Special Fiber Bragg Grating. IEEE Microwave and Wireless Components Letters, 2011, 21, 52-54.	3.2	59
23	Orbital angular momentum mode-demultiplexing scheme with partial angular receiving aperture. Optics Express, 2015, 23, 12251.	3.4	57
24	Photonic Generation of Dual-Chirp Waveforms With Improved Time-Bandwidth Product. IEEE Photonics Technology Letters, 2017, 29, 1253-1256.	2.5	57
25	All-Fiber Chirped Microwave Pulses Generation Based on Spectral Shaping and Wavelength-to-Time Conversion. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1958-1963.	4.6	56
26	Microwave spectrum sensing based on photonic time stretch and compressive sampling. Optics Letters, 2013, 38, 136.	3.3	55
27	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
28	Photonic instantaneous measurement of microwave frequency using fiber Bragg grating. Optics Communications, 2010, 283, 396-399.	2.1	53
29	High-Resolution Multiple Microwave Frequency Measurement Based on Stimulated Brillouin Scattering. IEEE Photonics Technology Letters, 2012, 24, 1115-1117.	2.5	53
30	Optical Single-Sideband Modulation Using a Fiber-Bragg-Grating-Based Optical Hilbert Transformer. IEEE Photonics Technology Letters, 2011, 23, 558-560.	2.5	50
31	Microwave spectral analysis based on photonic compressive sampling with random demodulation. Optics Letters, 2012, 37, 4636.	3.3	48
32	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
33	A photonic analog-to-digital conversion scheme using Mach-Zehnder modulators with identical half-wave voltages. Optics Express, 2008, 16, 567.	3.4	43
34	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
35	Half-mode substrate integrated waveguide antenna for generating multiple orbital angular momentum modes. Electronics Letters, 2016, 52, 684-686.	1.0	41
36	MICROWAVE/MILLIMETER-WAVE GENERATION USING MULTI-WAVELENGTH PHOTONIC CRYSTAL FIBER BRILLOUIN LASER. Progress in Electromagnetics Research, 2008, 80, 307-320.	4.4	40

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37	Hilbert-Huang Transform Time-Frequency Analysis in ϕ -OTDR Distributed Sensor. IEEE Photonics Technology Letters, 2014, 26, 2403-2406.	2.5	38
38	Active mode-locking optoelectronic oscillator. Optics Express, 2020, 28, 33220.	3.4	36
39	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
40	Free-Space Radio Communication Employing OAM Multiplexing Based on Rotman Lens. IEEE Microwave and Wireless Components Letters, 2016, 26, 738-740.	3.2	35
41	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
42	Orbital Angular Momentum Based Communications with Partial Arc Sampling Receiving. IEEE Communications Letters, 2016, , 1-1.	4.1	34
43	Single-frequency computational imaging using OAM-carrying electromagnetic wave. Journal of Applied Physics, 2017, 121, .	2.5	33
44	Chirped RF Pulse Generation Based on Optical Spectral Shaping and Wavelength-to-Time Mapping Using a Nonlinearly Chirped Fiber Bragg Grating. Journal of Lightwave Technology, 2008, 26, 1282-1287.	4.6	31
45	Compressive sensing in a photonic link with optical integration. Optics Letters, 2014, 39, 2222.	3.3	29
46	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
47	Photonic Generation of Wideband Chirped Microwave Waveforms. IEEE Journal of Microwaves, 2021, 1, 787-803.	6.5	29
48	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
49	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
50	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
51	Photonic Microwave Up-Conversion of Vector Signals Based on an Optoelectronic Oscillator. IEEE Photonics Technology Letters, 2013, 25, 1758-1761.	2.5	23
52	An all-fiber multi-wavelength Raman laser based on a PCF sagnac loop filter. Microwave and Optical Technology Letters, 2006, 48, 2416-2418.	1.4	22
53	Photonic generation of chirped microwave signals with high time-bandwidth product. Optics Communications, 2014, 316, 106-110.	2.1	22
54	Experimental generation of linearly chirped 350 GHz band pulses with a bandwidth beyond 60 GHz. Optics Letters, 2017, 42, 5242.	3.3	21

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55	Power Distribution of Phase-Modulated Microwave Signals in a Dispersive Fiber-Optic Link. IEEE Photonics Technology Letters, 2008, 20, 315-317.	2.5	20
56	Performances improvement in radio over fiber link through carrier suppression using Stimulated Brillouin scattering. Optics Express, 2010, 18, 11827.	3.4	20
57	A Continuously Tunable Microwave Fractional Hilbert Transformer Based on a Photonic Microwave Delay-Line Filter Using a Polarization Modulator. IEEE Photonics Technology Letters, 2011, 23, 1694-1696.	2.5	20
58	Non-Line-of-Sight Channel Performance of Plane Spiral Orbital Angular Momentum MIMO Systems. IEEE Access, 2017, 5, 25377-25384.	4.2	20
59	Fiber chromatic dispersion measurement based on wavelength-to-time mapping using a femtosecond pulse laser and an optical comb filter. Optics Communications, 2007, 280, 337-342.	2.1	19
60	Plane spiral orbital angular momentum electromagnetic wave. , 2015, , .		19
61	A Continuously Tunable Microwave Fractional Hilbert Transformer Based on a Nonuniformly-Spaced Photonic Microwave Delay-Line Filter. Journal of Lightwave Technology, 2012, , .	4.6	18
62	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
63	A Tunable Optoelectronic Oscillator Based on a Dispersion-Induced Microwave Photonic Filter. IEEE Photonics Technology Letters, 2013, 25, 921-924.	2.5	17
64	Frequency stability optimization of an OEO using phase-locked-loop and self-injection-locking. Optics Communications, 2017, 386, 27-30.	2.1	17
65	Electro-optically tunable microwave source based on composite-cavity microchip laser. Optics Express, 2012, 20, 29090.	3.4	16
66	Dual-Band THz Photonic Pulses Enabling Synthetic mm-Scale Range Resolution. IEEE Photonics Technology Letters, 2018, 30, 1760-1763.	2.5	16
67	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
68	Electro-optic modulator feedback control in phase-sensitive optical time-domain reflectometer distributed sensor. Applied Optics, 2013, 52, 8581.	1.8	15
69	Single-pixel imaging based on compressive sensing with spectral-domain optical mixing. Optics Communications, 2017, 402, 119-122.	2.1	15
70	Coherently demodulated orbital angular momentum shift keying system using a CNN-based image identifier as demodulator. Optics Communications, 2019, 435, 367-373.	2.1	14
71	An Extended FDTD Method With Inclusion of Material Dispersion for the Full-Vectorial Analysis of Photonic Crystal Fibers. Journal of Lightwave Technology, 2006, 24, 4417-4423.	4.6	13
72	Generation of OAM millimeter waves using traveling-wave circular slot antenna based on ring resonant cavity. , 2015, , .		13

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73	Photonic approach for generating bandwidth-doubled and switchable multi-format chirp waveforms. Optics Letters, 2021, 46, 1578.	3.3	13
74	Photonic compressive sensing of sparse radio frequency signals with a single dual-electrode Mach-Zehnder modulator. Optics Letters, 2020, 45, 5708.	3.3	13
75	Photonic instantaneous microwave frequency measurement based on two different phase modulation to intensity modulation conversions. Optics Communications, 2011, 284, 3928-3932.	2.1	12
76	Analysis of compressive sensing with optical mixing using a spatial light modulator. Applied Optics, 2015, 54, 1894.	1.8	12
77	Photonic approach for microwave spectral analysis based on Fourier cosine transform. Optics Letters, 2011, 36, 3897.	3.3	11
78	Frequency multiplying optoelectronic oscillator based on nonlinearly-coupled double loops. Optics Express, 2013, 21, 32516.	3.4	11
79	Photonic-assisted time-interleaved ADC based on optical delay line. Journal of Optics (United Kingdom), 2014, 11, 0784314.	2.2	11
80	A PM-based approach for Doppler frequency shift measurement and direction discrimination. Optics Communications, 2020, 458, 124796.	2.1	11
81	A Powerful Equalizer Based on Modified SVM Classifier Without Nonlinear Kernel Enabled 100-Gb/s NG-EPON System With 10-G Class. IEEE Access, 2019, 7, 71185-71194.	4.2	10
82	Broadband Microwave Spectrum Sensing Based on Photonic RF Channelization and Compressive Sampling. IEEE Photonics Journal, 2020, 12, 1-9.	2.0	10
83	Photonic microwave transversal filter employing a fiber-Bragg-grating-based multiple resonator. Microwave and Optical Technology Letters, 2005, 44, 369-371.	1.4	9
84	Noise reduction using photonic microwave filter for radio over fiber system. Microwave and Optical Technology Letters, 2006, 48, 305-307.	1.4	9
85	A Wideband Tunable Optoelectronic Oscillator Based on a Spectral-Subtraction-Induced MPF. IEEE Photonics Technology Letters, 2015, 27, 947-950.	2.5	9
86	Compressive sensing with a microwave photonic filter. Optics Communications, 2015, 338, 428-432.	2.1	9
87	Plane spiral orbital angular momentum wave and its applications. , 2016, , .		9
88	Time-Frequency Uncertainty in the Photonic A/D Converters Based on Spectral Encoding. IEEE Photonics Technology Letters, 2016, 28, 841-844.	2.5	9
89	Generation of plane spiral orbital angular momentum microwave with ring dielectric resonator antenna. , 2017, , .		9
90	A novel tunable fiber-optic microwave notch filter using fiber loop and cascaded fiber Bragg gratings. Microwave and Optical Technology Letters, 2004, 41, 386-388.	1.4	8

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91	A graphene-based all-fiber electro-absorption modulator. <i>Journal of Optics (India)</i> , 2016, 45, 337-342.	1.7	8
92	Stable radio frequency dissemination in a multi-access link based on passive phase fluctuation cancellation. <i>Optics Communications</i> , 2018, 423, 53-56.	2.1	8
93	Capacity Maximized Linear Precoder Design for Spatial-Multiplexing MIMO VLC Systems. <i>IEEE Access</i> , 2020, 8, 63901-63909.	4.2	8
94	Distortion compensation in continuous-time photonic time-stretched ADC based on redundancy detection. <i>Applied Optics</i> , 2021, 60, 1646.	1.8	8
95	Waveform Distortions Due to Second-Order Dispersion and Dispersion Mismatches in a Temporal Pulse-Shaping System. <i>Journal of Lightwave Technology</i> , 2007, 25, 3528-3535.	4.6	7
96	Optical generation of microwave/millimeter-wave based on Brillouin-Erbium fiber laser. <i>Microwave and Optical Technology Letters</i> , 2011, 53, 1761-1763.	1.4	7
97	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.	7.0	7
98	Characterization of the photonic generation of phase-coded RF signals based on pulse shaping and frequency-to-time mapping. <i>Applied Optics</i> , 2015, 54, 3956.	2.1	7
99	Harmonics analysis of the photonic time stretch system. <i>Applied Optics</i> , 2016, 55, 7222.	2.1	7
100	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.	1.4	6
101	Differentially Encoded Photonic Analog-to-Digital Conversion Based on Phase Modulation and Interferometric Demodulation. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1890-1892.	2.5	6
102	An electrically tunable frequency-doubling optoelectronic oscillator with operation based on stimulated Brillouin scattering. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 035406.	2.2	6
103	Relaxed dispersion requirement in the generation of chirped RF signals based on frequency-to-time mapping. <i>Optics Communications</i> , 2014, 331, 278-281.	2.1	6
104	Orbital angular momentum antenna using dielectric resonator. , 2015, , .		6
105	An optoelectronic oscillator using an FBG and an FBG-based Fabry-Perot filter. <i>Optics Communications</i> , 2015, 342, 141-143.	2.1	6
106	Local topological charge analysis of electromagnetic vortex beam based on empirical mode decomposition. <i>Optics Express</i> , 2016, 24, 5423.	3.4	6
107	Photonic Vector Signal Generation Based on OEO and Optical Coherent QPSK Modulation. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1711-1714.	2.5	6
108	Analytical Model for Photonic Compressive Sensing With Pulse Stretch and Compression. <i>IEEE Photonics Journal</i> , 2019, 11, 1-10.	2.0	6

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109	Compressive sensing based on optical mixing using a spectral shaper with bipolar coding. Optics Express, 2021, 29, 16422.	3.4	6
110	Photonic quantization and encoding scheme with improved bit resolution based on waveform folding. Optics Express, 2019, 27, 35565.	3.4	6
111	Wideband sparse signal acquisition with ultrahigh sampling compression ratio based on continuous-time photonic time stretch and photonic compressive sampling. Applied Optics, 2022, 61, 1344.	1.8	6
112	Any bias point control of mach-zehnder electrooptic modulator and its applications in optimization of radio-over-fiber links. , 2011, , .		5
113	Photonic analog-to-digital converter based on the robust symmetrical number system. Optics Communications, 2012, 285, 4966-4970.	2.1	5
114	Photonic compressive sensing with a micro-ring-resonator-based microwave photonic filter. Optics Communications, 2016, 373, 65-69.	2.1	5
115	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
116	Spurious-Free Dynamic Range of the Photonic Time-Stretch System. IEEE Photonics Technology Letters, 2017, 29, 794-797.	2.5	5
117	Generating wideband orbital angular momentum beams using helical antenna. , 2017, , .		5
118	Modulation Fading in Temporal Talbot Effect. IEEE Photonics Technology Letters, 2018, 30, 1376-1379.	2.5	5
119	Photonics-enabled compressive sensing with spectral encoding using an incoherent broadband source. Optics Letters, 2018, 43, 330.	3.3	5
120	A comprehensive model for phase noise characteristics of an optoelectronic oscillator. Microwave and Optical Technology Letters, 2018, 60, 2194-2197.	1.4	5
121	A Photonic Approach for Doppler Frequency Shift Measurement With Dispersion Medium. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	5
122	Photonic arbitrary waveform generation based on the temporal Talbot effect. Optics Express, 2021, 29, 16927.	3.4	5
123	Design of photonic crystal fibers with anomalous dispersion. Optoelectronics Letters, 2006, 2, 1-4.	0.8	4
124	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
125	A reconfigurable photonic microwave channelized receiver based on an optical comb. , 2011, , .		4
126	Novel Demodulation Method for Fiber-Optic Interferometers Based on $\pi/2$ Phase Modulation. IEEE Photonics Technology Letters, 2012, 24, 1981-1983.	2.5	4

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127	Radiation characteristics of the lossy traveling-wave circular antenna. , 2015, , .		4
128	Photonic analog-to-digital conversion based on time-to-frequency mapping. Optics Communications, 2022, 502, 127440.	2.1	4
129	Photonic serial implementation of a flash analog-to-digital converter. Optics Letters, 2020, 45, 1643.	3.3	4
130	Linearization of two cascaded intensity-modulator-based analog photonic link. Optical Engineering, 2018, 57, 1.	1.0	4
131	Photonic Generation of Switchable Dual-Band Dual-Chirp Microwave Waveforms. IEEE Photonics Journal, 2022, 14, 1-5.	2.0	4
132	A serial digital-to-analog conversion based on photonic time-stretch technology. Optics Communications, 2022, 510, 127949.	2.1	4
133	An optoelectronic oscillator-based strain sensor with extended measurement range. Microwave and Optical Technology Letters, 2015, 57, 2336-2339.	1.4	3
134	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
135	Photonic receiving and linearization of RF signals with improved spurious free dynamic range. Optics Communications, 2018, 423, 17-20.	2.1	3
136	Super-mode noise suppression for coupled optoelectronic oscillator with optoelectronic hybrid filter. Optics Communications, 2018, 426, 138-141.	2.1	3
137	Time-Division Multiplexed Vector Signal Synthesizer Based on Continuous PTS. IEEE Photonics Technology Letters, 2018, 30, 1020-1023.	2.5	3
138	Photonic quantization using dual-output Mach-Zehnder modulators and balanced photodetectors. Optics Communications, 2019, 446, 72-76.	2.1	3
139	Study on the Solutions to Heterogeneous ONU Propagation Delays for Energy-Efficient and Low-Latency EPONs. IEEE Access, 2020, 8, 193665-193680.	4.2	3
140	A Frequency-Stable Optoelectronic Oscillator Based on Passive Phase Compensation. IEEE Photonics Technology Letters, 2020, 32, 612-615.	2.5	3
141	A novel control scheme for four-plate retardation polarization controller. Microwave and Optical Technology Letters, 2009, 51, 124-128.	1.4	2
142	Optical variable gain tilt filter with temperature compensation. Microwave and Optical Technology Letters, 2010, 52, 1906-1909.	1.4	2
143	Pulse Distortions Due to Third-Order Dispersion and Dispersion Mismatches in a Phase-Modulator-Based Temporal Pulse Shaping System. Journal of Lightwave Technology, 2010, 28, 2865-2872.	4.6	2
144	A microwave photonic scheme for improving the sensitivity of Mach-Zehnder optical fiber interferometer sensor. , 2011, , .		2

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145	Instantaneous microwave frequency measurement with a uniform resolution and improved dynamic range. , 2012, , .		2
146	Analyses of Whispering Gallery Modes in Circular Resonators by Transmission Line Theory. Journal of Lightwave Technology, 2014, 32, 2345-2352.	4.6	2
147	Orbital angular momentum mode multiplexing with half-mode substrate integrated waveguide antenna. , 2015, , .		2
148	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
149	Improving the performance of the injection-locked optoelectronic oscillator by using an extra feedback loop. Optical Engineering, 2017, 56, 016108.	1.0	2
150	A Novel Optoelectronic Oscillator Based on Brillouin-Induced Slow Light Effect. IEEE Photonics Technology Letters, 2017, 29, 1375-1378.	2.5	2
151	A coherent photonic RF scanning receiver based on a flat optical frequency comb. Optics Communications, 2018, 421, 41-45.	2.1	2
152	Comprehensive study of orbital angular momentum shift keying systems with a CNN-based image identifier. Optics Communications, 2020, 454, 124518.	2.1	2
153	A Photonic Digitization Scheme With Enhanced Bit Resolution Based on Hierarchical Quantization. IEEE Access, 2020, 8, 150242-150247.	4.2	2
154	Photonic digital-to-analog converter based on spectral encoding. Microwave and Optical Technology Letters, 2021, 63, 2670-2674.	1.4	2
155	High Linearity Microwave Photonic Up-Conversion System Based on Parallel Dual-Drive Mach-Zehnder Modulators. Photonics, 2022, 9, 236.	2.0	2
156	FIR Photonic Microwave Filter Design Employing Simulated Annealing Algorithm. Journal of Infrared, Millimeter and Terahertz Waves, 2004, 25, 1757-1764.	0.6	1
157	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.	0.6	1
158	Photonic generation and processing of millimeter-wave arbitrary waveforms. , 2008, , .		1
159	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
160	A frequency-doubling optoelectronic oscillator based on phase modulator. , 2012, , .		1
161	Photonics-assisted compressive sensing for sparse signal acquisition. , 2015, , .		1
162	Reducing the noise floor in optoelectronic oscillator by optimizing the operation of modulator. Optical Engineering, 2016, 55, 100504.	1.0	1

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163	Photonic generation of linear frequency modulated terahertz pulses in the 350 GHz band with beyond 40 GHz bandwidth. , 2017, , .		1
164	Corrections to "Modulation Fading in Temporal Talbot Effect"[Aug 1, 2018 1376-1379]. IEEE Photonics Technology Letters, 2018, 30, 1994-1994.	2.5	1
165	Photonic Digitization With Differential Encoding Based on Orthogonal Vector Superposition. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	1
166	Evolution of Amplitude Fluctuation in Fractional Temporal Talbot Effect. IEEE Access, 2019, 7, 86177-86183.	4.2	1
167	Proposal of Photonic Analog-to-digital Conversion Using Weighted Multiwavelength Pulses and Balanced Photodetector. , 2019, , .		1
168	Analysis on predistortion algorithm for improving adjacent channel leakage ratio of radio over fiber systems. Microwave and Optical Technology Letters, 2020, 62, 1483-1488.	1.4	1
169	Photonic time stretch based on phase modulation for sub-octave applications. Applied Optics, 2021, 60, 6487-6494.	1.8	1
170	Wideband Doppler frequency shift measurement and direction discrimination based on optical single sideband modulation with a fixed low-frequency reference signal. Optics Communications, 2021, 499, 127306.	2.1	1
171	A flexible and incoherent microwave photonic filter with a flat-top passband. Microwave and Optical Technology Letters, 2005, 46, 132-134.	1.4	0
172	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.	0.6	0
173	Instantaneous microwave frequency measurement with improved measurement range and resolution based on a polarization modulator. , 2010, , .		0
174	Novel fiber RF antenna with coaxial structure. , 2010, , .		0
175	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
176	Approaches for differentially-encoded photonic analog-to-digital conversion. , 2011, , .		0
177	A novel frequency-doubling Brillouin optoelectronic oscillator. , 2012, , .		0
178	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
179	A real-time detection and self-control phase-sensitive OTDR distributed sensor system. , 2013, , .		0
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