

# Shilie Zheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1028873/publications.pdf>

Version: 2024-02-01

193  
papers

3,407  
citations

172457

29  
h-index

175258

52  
g-index

196  
all docs

196  
docs citations

196  
times ranked

1913  
citing authors

#	ARTICLE	IF	CITATIONS
1	A structure optimization for integrated binary reconfigurable true time delay lines. Optics Communications, 2022, 502, 127439.	2.1	1
2	Experimental Study of Plane Spiral OAM Mode-Group Based MIMO Communications. IEEE Transactions on Antennas and Propagation, 2022, 70, 641-653.	5.1	6
3	Nanoarchitectonics of nest-like MnO <sub>2</sub> /TiO <sub>2</sub> thin film for triethylamine sensing. Sensors and Actuators B: Chemical, 2022, 353, 131137.	7.8	13
4	A Non-Uniform Travelling-Wave Current Source Model for Designing OAM Antenna: Theory, Analysis and Application. IEEE Access, 2022, 10, 47499-47508.	4.2	3
5	Plane Spiral OAM Mode-Group Orthogonal Multiplexing Communication Using Partial Arc Sampling Receiving Scheme. IEEE Transactions on Antennas and Propagation, 2022, 70, 10998-11008.	5.1	3
6	A Compact Pattern Reconfiguration Antenna Based on Multimode Plane Spiral OA. IEEE Transactions on Antennas and Propagation, 2021, 69, 1168-1172.	5.1	16
7	Branching TiO <sub>2</sub> nanowire arrays for enhanced ethanol sensing. Nanotechnology, 2021, 32, 295501.	2.6	18
8	Orbital Angular Momentum Mode-Group Beamforming System Based on An Integrated Optical True Time Delay Line Chip. , 2021, , .		0
9	Long-range MIMO Communication Using Plane Spiral OAM Mode-group. , 2021, , .		2
10	A Fan Ring Resonator Antenna For Generating High Gain PSOAM Mode-Group With Ultrahigh Equivalent Order. , 2021, , .		2
11	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.	5.1	0
12	Photonic generation of terahertz dual-chirp waveforms ranging from 364 to 392 GHz. Optics Express, 2021, 29, 19240.	3.4	6
13	An integrated optical beamforming network for two-dimensional phased array radar. Optics Communications, 2021, 489, 126809.	2.1	12
14	60 Gbit/s PAM-4 wireless transmission in the 310 GHz band with nonlinearity tolerant signal processing. Optics Communications, 2021, 492, 126988.	2.1	5
15	Photonic heterodyne generation of phase-coded terahertz signals. Optics Communications, 2021, 499, 127253.	2.1	2
16	A terahertz photonic imaging radar system based on inverse synthetic aperture technique. , 2021, , .		2
17	Long Distance Broadband Fiber Optical Beamforming Over 120 km. IEEE Access, 2021, 9, 152182-152187.	4.2	2
18	Approaching the Fundamental Limit of Orbital-Angular-Momentum Multiplexing Through a Hologram Metasurface. Physical Review Applied, 2021, 16, .	3.8	15

#	ARTICLE	IF	CITATIONS
19	A general analytical method for suppressing the third-order intermodulation in microwave photonic link based on dual-parallel Mach-Zehnder modulator. Optics Communications, 2020, 458, 124818.	2.1	6
20	Monocrystalline FeMnO <sub>3</sub> on Carbon Cloth for Extremely High-Areal-Capacitance Supercapacitors. ACS Applied Energy Materials, 2020, 3, 11863-11872.	5.1	15
21	Rapid synthesis of high-areal-capacitance ultrathin hexagon Fe <sub>2</sub> O <sub>3</sub> nanoplates on carbon cloth via a versatile molten salt method. Materials Chemistry Frontiers, 2020, 4, 2744-2753.	5.9	22
22	Orbital Angular Momentum Mode-Group Based Spatial Field Digital Modulation: Coding Scheme and Performance Analysis. , 2020, , .		9
23	Direct Generation of OAM Mode-Group and Its Application in LoS-MIMO System. IEEE Communications Letters, 2020, 24, 2628-2631.	4.1	13
24	Out-of-band suppression improved tunable microwave photonic Hilbert transformer based on optical spectral shaping. Optics Communications, 2020, 468, 125776.	2.1	1
25	Performance Analysis of Plane Spiral OAM Mode-Group Based MIMO System. IEEE Communications Letters, 2020, 24, 1414-1418.	4.1	24
26	Enhanced isopropanol sensing of coral-like ZnO-ZrO <sub>2</sub> composites. Nanotechnology, 2020, 31, 195502.	2.6	15
27	Structure Radio Beam Construction in Azimuthal Domain. IEEE Access, 2020, 8, 9395-9402.	4.2	12
28	Method of fiber transfer delay measurement based on phase quantization and delay synthesis. Applied Optics, 2020, 59, 918.	1.8	0
29	Photonic radiofrequency receiver utilizing a phase modulator and a tunable single sideband optoelectronic oscillator. Microwave and Optical Technology Letters, 2019, 61, 2196-2201.	1.4	0
30	Photonic Generation and De-Chirping of Broadband THz Linear-Frequency-Modulated Signals. IEEE Photonics Technology Letters, 2019, 31, 881-884.	2.5	13
31	Dipole Antenna Array Fed by a SIW Based Circular Resonator for Generating Plane Spiral Orbital Angular Momentum Wave. , 2019, , .		0
32	Experimental Generation and De-chirping of Photonic THz Linearly Chirped Signals with Large Time-bandwidth Product. , 2019, , .		0
33	Low Probability of Intercept Communication Based on Structured Radio Beams Using Machine Learning. IEEE Access, 2019, 7, 169946-169952.	4.2	9
34	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
35	Pre-distortion compensation for optical-based broadband LFM signal generation system. Optics Communications, 2019, 435, 277-282.	2.1	3
36	Local property study for arbitrary polarised OAM beam. IET Microwaves, Antennas and Propagation, 2019, 13, 1846-1853.	1.4	0

#	ARTICLE	IF	CITATIONS
37	Channelized amplification of RF signal based on actively mode locked fiber laser. Optics Communications, 2018, 421, 46-49.	2.1	3
38	Reconfigurable OAM antenna based on sub-wavelength phase modulation structure. IET Microwaves, Antennas and Propagation, 2018, 12, 354-359.	1.4	9
39	100 Gbit/s THz Photonic Wireless Transmission in the 350-GHz Band With Extended Reach. IEEE Photonics Technology Letters, 2018, 30, 1064-1067.	2.5	72
40	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
41	Transformation of OAM Waves to Plane Spiral OAM Waves Based on Gradient-Index Meta-Surface. , 2018, , .		3
42	Structured Radio Beam for Radar Detection. , 2018, , .		3
43	Dual-Band THz Photonic Pulses Enabling Synthetic mm-Scale Range Resolution. IEEE Photonics Technology Letters, 2018, 30, 1760-1763.	2.5	16
44	Realization of Structured Electromagnetic Waves Based on Plane Spiral Orbital Angular Momentum Waves Using Circular Cylindrical Conformal Microstrip Antenna Array. , 2018, , .		6
45	Analysis of rotational Doppler effect based on radio waves carrying orbital angular momentum. Journal of Applied Physics, 2018, 124, .	2.5	22
46	Corrections to "Modulation Fading in Temporal Talbot Effect"[Aug 1, 2018 1376-1379]. IEEE Photonics Technology Letters, 2018, 30, 1994-1994.	2.5	1
47	Experimental Demonstration of 3.9 mm Range Resolution Enabled by Synthetic Linearly Chirped THz Photonic Pulses. , 2018, , .		0
48	Enhanced Accessibility of 350 GHz 100 Gbit/s 16-QAM Photonic Wireless Link. , 2018, , .		0
49	Super-mode noise suppression for coupled optoelectronic oscillator with optoelectronic hybrid filter. Optics Communications, 2018, 426, 138-141.	2.1	3
50	Time-Division Multiplexed Vector Signal Synthesizer Based on Continuous PTS. IEEE Photonics Technology Letters, 2018, 30, 1020-1023.	2.5	3
51	Modulation Fading in Temporal Talbot Effect. IEEE Photonics Technology Letters, 2018, 30, 1376-1379.	2.5	5
52	Photonics-enabled compressive sensing with spectral encoding using an incoherent broadband source. Optics Letters, 2018, 43, 330.	3.3	5
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	A comprehensive model for phase noise characteristics of an optoelectronic oscillator. Microwave and Optical Technology Letters, 2018, 60, 2194-2197.	1.4	5
56	Key Techniques of Orbital Angular Momentum based Wireless Communication. , 2018, , .		0
57	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
58	Generation of Plane Spiral OAM Waves Using Traveling-Wave Circular Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 8-11.	4.0	96
59	Four-OAM-Mode Antenna With Traveling-Wave Ring-Slot Structure. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 194-197.	4.0	82
60	Mode Division Multiplexing Communication Using Microwave Orbital Angular Momentum: An Experimental Study. IEEE Transactions on Wireless Communications, 2017, 16, 1308-1318.	9.2	209
61	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
62	Impact of 3rd-order dispersion on photonic time-stretch system. Optics Communications, 2017, 402, 206-210.	2.1	2
63	Single-frequency computational imaging using OAM-carrying electromagnetic wave. Journal of Applied Physics, 2017, 121, .	2.5	33
64	Single-pixel imaging based on compressive sensing with spectral-domain optical mixing. Optics Communications, 2017, 402, 119-122.	2.1	15
65	Photonic Generation of Dual-Chirp Waveforms With Improved Time-Bandwidth Product. IEEE Photonics Technology Letters, 2017, 29, 1253-1256.	2.5	57
66	Spurious-Free Dynamic Range of the Photonic Time-Stretch System. IEEE Photonics Technology Letters, 2017, 29, 794-797.	2.5	5
67	Frequency stability optimization of an OEO using phase-locked-loop and self-injection-locking. Optics Communications, 2017, 386, 27-30.	2.1	17
68	On the undesired frequency chirping in photonic time-stretch systems. Optics Communications, 2017, 405, 192-196.	2.1	0
69	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
70	Non-Line-of-Sight Channel Performance of Plane Spiral Orbital Angular Momentum MIMO Systems. IEEE Access, 2017, 5, 25377-25384.	4.2	20
71	Photonic generation of linear frequency modulated terahertz pulses in the 350 GHz band with beyond 40 GHz bandwidth. , 2017, , .		1
72	Rotational Doppler effect based on the radio orbital angular momentum wave. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
73	Design of the microwave photonic filter with rectangular response. , 2017, , .		0
74	Lithium niobate whispering gallery mode disk resonator with high Q factor. , 2017, , .		0
75	Generation of plane spiral orbital angular momentum microwave with ring dielectric resonator antenna. , 2017, , .		9
76	Grouping plane spiral electromagnetic waves for structured rf beams. , 2017, , .		6
77	Generating wideband orbital angular momentum beams using helical antenna. , 2017, , .		5
78	Experimental generation of linearly chirped 350â€‰GHz band pulses with a bandwidth beyond 60â€‰GHz. Optics Letters, 2017, 42, 5242.	3.3	21
79	Frequency-dependent noise figure analysis of continuous photonic time-stretch system. Applied Optics, 2017, 56, 8246.	1.8	2
80	Highly sensitive demodulation of a vibration-induced phase shift based on a low-noise OEO. Optics Letters, 2017, 42, 4052.	3.3	4
81	Impact of finite extinction ratio of modulator on photonic time-stretch system. , 2017, , .		0
82	All-positive-coefficient microwave photonic filter with rectangular response. Optics Letters, 2017, 42, 3012.	3.3	32
83	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
84	Generation and propagation characteristics of electromagnetic vortices in radio frequency. Photonics Research, 2016, 4, B9.	7.0	10
85	Nonlinearity analysis of photonic time stretch system. , 2016, , .		0
86	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
87	Free-Space Radio Communication Employing OAM Multiplexing Based on Rotman Lens. IEEE Microwave and Wireless Components Letters, 2016, 26, 738-740.	3.2	35
88	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
89	A graphene-based all-fiber electro-absorption modulator. Journal of Optics (India), 2016, 45, 337-342.	1.7	8
90	Harmonics analysis of the photonic time stretch system. Applied Optics, 2016, 55, 7222.	2.1	7

#	ARTICLE	IF	CITATIONS
91	Plane spiral orbital angular momentum wave and its applications. , 2016, , .		9
92	Multi-OAM-mode microwave communication with the partial arc sampling receiving scheme. , 2016, , .		2
93	Generation and propagation characteristics of OAM radio waves. , 2016, , .		1
94	Corrections to "Transmission Characteristics of a Twisted Radio Wave based on Circular Traveling-wave" [Apr 15 1530-1536]. IEEE Transactions on Antennas and Propagation, 2016, 64, 4581-4581.	5.1	0
95	The Capacity Gain of Orbital Angular Momentum Based Multiple-Input-Multiple-Output System. Scientific Reports, 2016, 6, 25418.	3.3	68
96	Local topological charge analysis of electromagnetic vortex beam based on empirical mode decomposition. Optics Express, 2016, 24, 5423.	3.4	6
97	Orbital Angular Momentum Based Communications with Partial Arc Sampling Receiving. IEEE Communications Letters, 2016, , 1-1.	4.1	34
98	Half-mode substrate integrated waveguide antenna for generating multiple orbital angular momentum modes. Electronics Letters, 2016, 52, 684-686.	1.0	41
99	Photonic-assisted time-interleaved ADC based on optical delay line. Journal of Optics (United Tj ETQq1 1 0.784314,rgBT /Overlock 10	2.5	11
100	Time-Frequency Uncertainty in the Photonic A/D Converters Based on Spectral Encoding. IEEE Photonics Technology Letters, 2016, 28, 841-844.	2.5	9
101	A Flat-Lensed Spiral Phase Plate Based on Phase-Shifting Surface for Generation of Millimeter-Wave OAM Beam. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1156-1158.	4.0	120
102	Photonic compressive sensing with a micro-ring-resonator-based microwave photonic filter. Optics Communications, 2016, 373, 65-69.	2.1	5
103	A temperature insensitive load sensor based on a dual loop optoelectronic oscillator. , 2016, , .		0
104	Plane spiral orbital angular momentum electromagnetic wave. , 2015, , .		19
105	Orbital angular momentum antenna using dielectric resonator. , 2015, , .		6
106	An optoelectronic oscillator-based strain sensor with extended measurement range. Microwave and Optical Technology Letters, 2015, 57, 2336-2339.	1.4	3
107	A Wideband Tunable Optoelectronic Oscillator Based on a Spectral-Subtraction-Induced MPF. IEEE Photonics Technology Letters, 2015, 27, 947-950.	2.5	9
108	Multiplexed Millimeter Wave Communication with Dual Orbital Angular Momentum (OAM) Mode Antennas. Scientific Reports, 2015, 5, 10148.	3.3	195

#	ARTICLE	IF	CITATIONS
109	Tunable laser based on composite microchip using ND:PLZT as both tuning and gain medium. , 2015, , .		0
110	Time-bandwidth product of photonicly generated wideband microwave signals based on frequency-to-time mapping. , 2015, , .		0
111	Radiation characteristics of the lossy traveling-wave circular antenna. , 2015, , .		4
112	Photonics-assisted compressive sensing for sparse signal acquisition. , 2015, , .		1
113	Orbital angular momentum mode multiplexing with half-mode substrate integrated waveguide antenna. , 2015, , .		2
114	Generation of OAM millimeter waves using traveling-wave circular slot antenna based on ring resonant cavity. , 2015, , .		13
115	Orbital angular momentum mode multiplexing with half-mode substrate integrated waveguide antenna. , 2015, , .		0
116	Ultralow Reflectivity Spiral Phase Plate for Generation of Millimeter-wave OAM Beam. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 966-969.	4.0	179
117	Transmission Characteristics of a Twisted Radio Wave Based on Circular Traveling-Wave Antenna. IEEE Transactions on Antennas and Propagation, 2015, 63, 1530-1536.	5.1	183
118	Analysis of compressive sensing with optical mixing using a spatial light modulator. Applied Optics, 2015, 54, 1894.	1.8	12
119	Orbital angular momentum mode-demultiplexing scheme with partial angular receiving aperture. Optics Express, 2015, 23, 12251.	3.4	57
120	Demodulation of an OEO based vibration sensor with Hilbert Huang Transform. , 2015, , .		0
121	Characterization of the photonic generation of phase-coded RF signals based on pulse shaping and frequency-to-time mapping. Applied Optics, 2015, 54, 3956.	2.1	7
122	Compressive sensing with a microwave photonic filter. Optics Communications, 2015, 338, 428-432.	2.1	9
123	Experimental Demonstration of Radio Frequency Orbital Angular Momentum Multiplexed Communication System Using Microwave Photonic Demultiplexer. , 2015, , .		0
124	High-sensitivity temperature sensor based on an optoelectronic oscillator. Applied Optics, 2014, 53, 5084.	1.8	81
125	Space-frequency analysis with parallel computing in a phase-sensitive optical time-domain reflectometer distributed sensor. Applied Optics, 2014, 53, 6586.	1.8	12
126	Compressive sensing in a photonic link with optical integration. Optics Letters, 2014, 39, 2222.	3.3	29



#	ARTICLE	IF	CITATIONS
127	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
128	Orbital Angular Momentum Generation Using a Circular Wire Loop Antenna. , 2014, , .		7
129	Optoelectronic oscillator with phase-shifted fiber Bragg grating. <i>Optics Communications</i> , 2014, 319, 117-120.	2.1	61
130	Photonic generation of chirped microwave signals with high time-bandwidth product. <i>Optics Communications</i> , 2014, 316, 106-110.	2.1	22
131	Hilbertâ€™Huang Transform Time-Frequency Analysis in $\phi$ -OTDR Distributed Sensor. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 2403-2406.	2.5	38
132	Analyses of Whispering Gallery Modes in Circular Resonators by Transmission Line Theory. <i>Journal of Lightwave Technology</i> , 2014, 32, 2345-2352.	4.6	2
133	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
134	Photonic Microwave Up-Conversion of Vector Signals Based on an Optoelectronic Oscillator. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 1758-1761.	2.5	23
135	A real-time detection and self-control phase-sensitive OTDR distributed sensor system. , 2013, , .		0
136	Photonic generation of frequency quadrupling signal for millimeter-wave communication. <i>Optics Communications</i> , 2013, 304, 71-74.	2.1	20
137	Tunable multi-tap microwave photonic filter with complex coefficients using a dual-parallel Machâ€™Zehnder modulator. <i>Journal of Modern Optics</i> , 2013, 60, 1069-1073.	1.3	0
138	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, 3395-3401.	4.6	25
139	Microwave spectrum sensing based on photonic time stretch with a large stretch factor. , 2013, , .		0
140	Compressive sensing in a photonic link for acquisition of spectrally-sparse wideband signals: Potentials and limitations. , 2013, , .		0
141	Optical millimeter-wave generation based on multiple modulations in an optical feedback loop. , 2013, , .		0
142	Photonic analog-to-digital conversion based on photonic time stretch and compressive sensing with optical random mixing. , 2013, , .		0
143	A Tunable Optoelectronic Oscillator Based on a Dispersion-Induced Microwave Photonic Filter. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 921-924.	2.5	17
144	All-optical modulator with long range surface plasmon resonance. <i>Optics and Laser Technology</i> , 2013, 49, 316-319.	4.6	13

#	ARTICLE	IF	CITATIONS
145	Photonic instantaneous frequency measurement with digital output based on dispersion induced power fading functions. Optics Communications, 2013, 292, 53-56.	2.1	0
146	Electro-optic modulator feedback control in phase-sensitive optical time-domain reflectometer distributed sensor. Applied Optics, 2013, 52, 8581.	1.8	15
147	An electrically tunable frequency-doubling optoelectronic oscillator with operation based on stimulated Brillouin scattering. Journal of Optics (United Kingdom), 2013, 15, 035406.	2.2	6
148	Microwave spectrum sensing based on photonic time stretch and compressive sampling. Optics Letters, 2013, 38, 136.	3.3	55
149	Performance Improvement in RoF Links Based on Optical Carrier Suppression using a Phase-Shifted FBG. , 2013, , .		0
150	Microwave spectral analysis based on photonic compressive sampling with random demodulation. Optics Letters, 2012, 37, 4636.	3.3	48
151	Electro-optically tunable microwave source based on composite-cavity microchip laser. Optics Express, 2012, 20, 29090.	3.4	16
152	Refractive index sensor based on tilted fiber Bragg grating and stimulated Brillouin scattering. Optics Express, 2012, 20, 10853.	3.4	15
153	Quadratic electro-optic properties of $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - $\text{PbTiO}_3$ transparent ceramics under both DC and AC bias. Applied Optics, 2012, 51, 2870.	1.8	1
154	A novel frequency-doubling Brillouin optoelectronic oscillator. , 2012, , .		0
155	Optically Tunable Frequency-Doubling Brillouin Optoelectronic Oscillator With Carrier Phase-Shifted Double Sideband Modulation. IEEE Photonics Technology Letters, 2012, 24, 1051-1053.	2.5	100
156	Novel Demodulation Method for Fiber-Optic Interferometers Based on $\pi/2$ Phase Modulation. IEEE Photonics Technology Letters, 2012, 24, 1981-1983.	2.5	4
157	A frequency-doubling optoelectronic oscillator based on phase modulator. , 2012, , .		1
158	A Wideband Frequency-Tunable Optoelectronic Oscillator Based on a Narrowband Phase-Shifted FBG and Wavelength Tuning of Laser. IEEE Photonics Technology Letters, 2012, 24, 73-75.	2.5	35
159	Instantaneous microwave frequency measurement with a uniform resolution and improved dynamic range. , 2012, , .		2
160	High-Resolution Multiple Microwave Frequency Measurement Based on Stimulated Brillouin Scattering. IEEE Photonics Technology Letters, 2012, 24, 1115-1117.	2.5	53
161	Photonic analog-to-digital converter based on the robust symmetrical number system. Optics Communications, 2012, 285, 4966-4970.	2.1	5
162	Four-tap microwave photonic filter with tunable center frequency and reconfigurable transfer function. Microwave and Optical Technology Letters, 2012, 54, 1740-1743.	1.4	0

#	ARTICLE	IF	CITATIONS
163	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
164	Three-Dimensional Magnetic Field Vector Measurement Using Fiber Mounted Magneto-optic Probe. , 2012, , .		0
165	A wideband electro-optic modulator based on long range surface plasmon resonances. Journal of Optics (United Kingdom), 2011, 13, 125001.	2.2	3
166	Any bias point control of mach-zehnder electrooptic modulator and its applications in optimization of radio-over-fiber links. , 2011, , .		5
167	A microwave photonic scheme for improving the sensitivity of Mach-Zehnder optical fiber interferometer sensor. , 2011, , .		2
168	A reconfigurable photonic microwave channelized receiver based on an optical comb. , 2011, , .		4
169	Differentially Encoded Photonic Analog-to-Digital Conversion Based on Phase Modulation and Interferometric Demodulation. IEEE Photonics Technology Letters, 2011, 23, 1890-1892.	2.5	6
170	Photonic approach for microwave spectral analysis based on Fourier cosine transform. Optics Letters, 2011, 36, 3897.	3.3	11
171	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
172	Optical generation of microwave/millimeter-wave based on Brillouin-Erbium fiber laser. Microwave and Optical Technology Letters, 2011, 53, 1761-1763.	1.4	7
173	Photonic instantaneous microwave frequency measurement based on two different phase modulation to intensity modulation conversions. Optics Communications, 2011, 284, 3928-3932.	2.1	12
174	Optical variable gain tilt filter with temperature compensation. Microwave and Optical Technology Letters, 2010, 52, 1906-1909.	1.4	2
175	Tunable fiber Fabry-Pérot filter for PM-IM conversion and efficiency improvement in radio-over-fiber links. Microwave and Optical Technology Letters, 2010, 52, 2090-2095.	1.4	6
176	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
177	Photonic instantaneous measurement of microwave frequency using fiber Bragg grating. Optics Communications, 2010, 283, 396-399.	2.1	53
178	Performances improvement in radio over fiber link through carrier suppression using Stimulated Brillouin scattering. Optics Express, 2010, 18, 11827.	3.4	20
179	Novel fiber RF antenna with coaxial structure. , 2010, , .		0
180	Simultaneously Realizing PM-IM Conversion and Efficiency Improvement of Fiber-Optic Links Using FBG. Journal of Electromagnetic Waves and Applications, 2009, 23, 161-170.	1.6	14

#	ARTICLE	IF	CITATIONS
181	A novel control scheme for four-plate retardation polarization controller. Microwave and Optical Technology Letters, 2009, 51, 124-128.	1.4	2
182	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
183	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
184	Frequency Response Equalization Using Fiber Bragg Grating Tilted Filter in RoF Systems. Journal of Lightwave Technology, 2009, 27, 2465-2469.	4.6	6
185	Instantaneous Microwave Frequency Measurement Using an Optical Phase Modulator. IEEE Microwave and Wireless Components Letters, 2009, 19, 422-424.	3.2	89
186	Two-dimensional mapping of electro-optic phase retardation in PLZT by digital holography. Microwave and Optical Technology Letters, 2008, 50, 3093-3097.	1.4	0
187	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
188	Optimized electrode structure for a high-Q electro-optic microdisk-based optical phase modulator. Microwave and Optical Technology Letters, 2007, 49, 313-316.	1.4	4
189	Characteristics of radio transmission over polymer optical fiber for indoor wireless coverage. Optics Communications, 2006, 264, 142-147.	2.1	4
190	Analysis of the effects of mode coupling on the bandwidth characteristics of step-index plastic optical fiber. Microwave and Optical Technology Letters, 2006, 48, 432-435.	1.4	10
191	Investigation on spectra of prism-coupled microdisk resonator. Microwave and Optical Technology Letters, 2006, 48, 1265-1269.	1.4	0
192	Simultaneous realization of optical carrier-suppression and SSB modulation in wireless fiber links using fiber Bragg grating. Microwave and Optical Technology Letters, 2005, 46, 336-339.	1.4	9
193	Transmission Performance Improvement in Microwave/Millimeter-Wave Optical System Using Chirped Fiber Grating. Journal of Infrared, Millimeter and Terahertz Waves, 2005, 26, 1005-1016.	0.6	2