

# Jiejun Zhang

## List of Publications by Citations

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333  
papers

10,897  
citations

55  
h-index

91  
g-index

395  
ext. papers

14,166  
ext. citations

3.9  
avg, IF

7.32  
L-index

#	Paper	IF	Citations
333	Microwave Photonics. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 314-335	4	1538
332	Integrated microwave photonics. <i>Nature Photonics</i> , <b>2019</b> , 13, 80-90	33.9	334
331	A fully reconfigurable photonic integrated signal processor. <i>Nature Photonics</i> , <b>2016</b> , 10, 190-195	33.9	195
330	Fiber optic sensors for structural health monitoring of air platforms. <i>Sensors</i> , <b>2011</b> , 11, 3687-705	3.8	184
329	Generation and distribution of a wide-band continuously tunable millimeter-wave signal with an optical external modulation technique. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2005</b> , 53, 3090-3097	4.1	182
328	Photonic generation of microwave arbitrary waveforms. <i>Optics Communications</i> , <b>2011</b> , 284, 3723-3736	2	176
327	A Wideband Frequency Tunable Optoelectronic Oscillator Incorporating a Tunable Microwave Photonic Filter Based on Phase-Modulation to Intensity-Modulation Conversion Using a Phase-Shifted Fiber Bragg Grating. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2012</b> , 60, 1735-1742	4.1	156
326	Photonic generation of microwave signal using a dual-wavelength single-longitudinal-mode fiber ring laser. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2006</b> , 54, 804-809	4.1	151
325	Photonics for microwave measurements. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 711-734	8.3	150
324	A Narrow-Passband and Frequency-Tunable Microwave Photonic Filter Based on Phase-Modulation to Intensity-Modulation Conversion Using a Phase-Shifted Fiber Bragg Grating. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2012</b> , 60, 1287-1296	4.1	124
323	Wideband and frequency-tunable microwave generation using an optoelectronic oscillator incorporating a Fabry-Perot laser diode with external optical injection. <i>Optics Letters</i> , <b>2010</b> , 35, 1911-3	3	124
322	All-Fiber Ultrawideband Pulse Generation Based on Spectral Shaping and Dispersion-Induced Frequency-to-Time Conversion. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 137-139	2.2	121
321	Photonics-Based Broadband Microwave Measurement. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 3498-3513	4.1	117
320	Optical generation and distribution of continuously tunable millimeter-wave signals using an optical phase modulator. <i>Journal of Lightwave Technology</i> , <b>2005</b> , 23, 2687-2695	4	108
319	A Frequency-Doubling Optoelectronic Oscillator Using a Polarization Modulator. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 929-931	2.2	106
318	An Approach to the Measurement of Microwave Frequency Based on Optical Power Monitoring. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 1249-1251	2.2	106
317	An Optically Tunable Optoelectronic Oscillator. <i>Journal of Lightwave Technology</i> , <b>2010</b> , 28, 2640-2645	4	105

316	Optical Clock Recovery Using a Polarization-Modulator-Based Frequency-Doubling Optoelectronic Oscillator. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 3531-3539	4	105
315	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> , <b>2009</b> , 27, 511-521	4	98
314	An approach to ultrawideband pulse generation and distribution over optical fiber. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 823-825	2.2	93
313	Photonic Generation of Chirped Millimeter-Wave Pulses Based on Nonlinear Frequency-to-Time Mapping in a Nonlinearly Chirped Fiber Bragg Grating. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2008</b> , 56, 542-553	4.1	92
312	Microwave Generation Based on Optical Domain Microwave Frequency Octupling. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 24-26	2.2	90
311	UWB-Over-Fiber Communications: Modulation and Transmission. <i>Journal of Lightwave Technology</i> , <b>2010</b> , 28, 2445-2455	4	90
310	A high resolution optical vector network analyzer based on a wideband and wavelength-tunable optical single-sideband modulator. <i>Optics Express</i> , <b>2012</b> , 20, 6555-60	3.3	89
309	Investigation of Photonic Assisted Microwave Frequency Multiplication Based on External Modulation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 3259-3268	4.1	88
308	Single-longitudinal-mode fiber ring laser employing an equivalent phase-shifted fiber Bragg grating. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 1390-1392	2.2	84
307	Photonic Generation of Chirped Microwave Pulses Using Superimposed Chirped Fiber Bragg Gratings. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 882-884	2.2	83
306	Investigation of phase-modulator-based all-optical bandpass microwave filter. <i>Journal of Lightwave Technology</i> , <b>2005</b> , 23, 1721-1728	4	83
305	An Optical Approach to Microwave Frequency Measurement With Adjustable Measurement Range and Resolution. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 1989-1991	2.2	82
304	Chirped Microwave Pulse Generation Based on Optical Spectral Shaping and Wavelength-to-Time Mapping Using a Sagnac Loop Mirror Incorporating a Chirped Fiber Bragg Grating. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 3336-3341	4	81
303	Transverse load sensing based on a dual-frequency optoelectronic oscillator. <i>Optics Letters</i> , <b>2013</b> , 38, 2611-3	3	80
302	Breaking the limitation of mode building time in an optoelectronic oscillator. <i>Nature Communications</i> , <b>2018</b> , 9, 1839	17.4	79
301	Arbitrary Microwave Waveform Generation Based on a Tunable Optoelectronic Oscillator. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 3780-3786	4	78
300	Secure UAV Communication With Cooperative Jamming and Trajectory Control. <i>IEEE Communications Letters</i> , <b>2019</b> , 23, 286-289	3.8	78
299	Photonics for ultrawideband communications. <i>IEEE Microwave Magazine</i> , <b>2009</b> , 10, 82-95	1.2	77

298	Generation of Linearly Chirped Microwave Waveform With an Increased Time-Bandwidth Product Based on a Tunable Optoelectronic Oscillator and a Recirculating Phase Modulation Loop. <i>Journal of Lightwave Technology</i> , <b>2014</b> , 32, 3573-3579	4	74
297	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
296	Optoelectronic Oscillators for High Speed and High Resolution Optical Sensing. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 3489-3497	4	72
295	Large Time-Bandwidth Product Microwave Arbitrary Waveform Generation Using a Spatially Discrete Chirped Fiber Bragg Grating. <i>Journal of Lightwave Technology</i> , <b>2010</b> , 28, 1652-1660	4	68
294	Microwave Frequency Measurement Based on Optical Power Monitoring Using a Complementary Optical Filter Pair. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2009</b> , 57, 505-511	4.1	68
293	Dual-Chirp Microwave Waveform Generation Using a Dual-Parallel Mach-Zehnder Modulator. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 1410-1413	2.2	65
292	Optical Single Sideband Modulation Using an Ultranarrow Dual-Transmission-Band Fiber Bragg Grating. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 2230-2232	2.2	64
291	An integrated parity-time symmetric wavelength-tunable single-mode microring laser. <i>Nature Communications</i> , <b>2017</b> , 8, 15389	17.4	63
290	Photonic-Assisted Microwave Channelizer With Improved Channel Characteristics Based on Spectrum-Controlled Stimulated Brillouin Scattering. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 3470-3478	4.1	63
289	Tunable Microwave and Sub-Terahertz Generation Based on Frequency Quadrupling Using a Single Polarization Modulator. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 1636-1644	4	63
288	Photonic Generation of Continuously Tunable Chirped Microwave Waveforms Based on a Temporal Interferometer Incorporating an Optically Pumped Linearly Chirped Fiber Bragg Grating. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2011</b> , 59, 3531-3537	4.1	62
287	. <i>IEEE Microwave Magazine</i> , <b>2015</b> , 16, 46-60	1.2	61
286	Photonic Generation of Microwave Waveforms Based on a Polarization Modulator in a Sagnac Loop. <i>Journal of Lightwave Technology</i> , <b>2014</b> , 32, 3637-3644	4	61
285	A fully reconfigurable waveguide Bragg grating for programmable photonic signal processing. <i>Nature Communications</i> , <b>2018</b> , 9, 1396	17.4	58
284	Silicon-Based Integrated Microwave Photonics. <i>IEEE Journal of Quantum Electronics</i> , <b>2016</b> , 52, 1-12	2	58
283	A Dual-Wavelength Fiber Ring Laser Incorporating an Injection-Coupled Optoelectronic Oscillator and Its Application to Transverse Load Sensing. <i>Journal of Lightwave Technology</i> , <b>2014</b> , 32, 1784-1793	4	58
282	Instantaneous Microwave Frequency Measurement With Improved Measurement Range and Resolution Based on Simultaneous Phase Modulation and Intensity Modulation. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 5314-5320	4	58
281	Millimeter-Wave Frequency Tripling Based on Four-Wave Mixing in a Semiconductor Optical Amplifier. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 2460-2462	2.2	58

280	An Approach to Photonic Generation of High-Frequency Phase-Coded RF Pulses. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 768-770	2.2	57
279	Tunable Optoelectronic Oscillator Incorporating a High-Q Spectrum-Sliced Photonic Microwave Transversal Filter. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1251-1253	2.2	55
278	Continuously Tunable Photonic Fractional Temporal Differentiator Based on a Tilted Fiber Bragg Grating. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 251-253	2.2	55
277	Instantaneous Microwave Frequency Measurement Using a Photonic Microwave Filter Pair. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 1437-1439	2.2	51
276	Photonic generation of microwave signal using a rational harmonic mode-locked fiber ring laser. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2006</b> , 54, 763-767	4.1	51
275	Parity-time-symmetric optoelectronic oscillator. <i>Science Advances</i> , <b>2018</b> , 4, eaar6782	14.3	50
274	Twist sensor based on axial strain insensitive distributed Bragg reflector fiber laser. <i>Optics Express</i> , <b>2012</b> , 20, 2844-50	3.3	49
273	An Optoelectronic Oscillator for High Sensitivity Temperature Sensing. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 1458-1461	2.2	49
272	Silicon Photonic Integrated Optoelectronic Oscillator for Frequency-Tunable Microwave Generation. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 4655-4663	4	47
271	Optically Tunable Frequency-Multiplying Optoelectronic Oscillator. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 812-814	2.2	46
270	Tunable Subterahertz Wave Generation Based on Photonic Frequency Sextupling Using a Polarization Modulator and a Wavelength-Fixed Notch Filter. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 1967-1975	4.1	46
269	All-Fiber Chirped Microwave Pulses Generation Based on Spectral Shaping and Wavelength-to-Time Conversion. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2007</b> , 55, 1958-1963	4.1	45
268	An Electrically Switchable Optical Ultrawideband Pulse Generator. <i>Journal of Lightwave Technology</i> , <b>2007</b> , 25, 3626-3633	4	45
267	New optical microwave up-conversion solution in radio-over-fiber networks for 60-GHz wireless applications. <i>Journal of Lightwave Technology</i> , <b>2006</b> , 24, 1277-1282	4	45
266	Phase-Noise Analysis of Optically Generated Millimeter-Wave Signals With External Optical Modulation Techniques. <i>Journal of Lightwave Technology</i> , <b>2006</b> , 24, 4861-4875	4	45
265	Exploiting Physical-Layer Security for Multiuser Multicarrier Computation Offloading. <i>IEEE Wireless Communications Letters</i> , <b>2019</b> , 8, 9-12	5.9	43
264	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
263	Continuously Tunable Time Delay Using an Optically Pumped Linear Chirped Fiber Bragg Grating. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 1465-1472	4	42

262	Optical Vector Network Analyzer Based on Unbalanced Double-Sideband Modulation. <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 753-756	2.2	41
261	Experimental Demonstration of a Wideband Photonic Temporal Hilbert Transformer Based on a Single Fiber Bragg Grating. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 1559-1561	2.2	41
260	Photonic Generation of Microwave Signals Based on Pulse Shaping. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 668-670	2.2	41
259	Tunable Optoelectronic Oscillator Incorporating a Single Passband Microwave Photonic Filter. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 326-329	2.2	40
258	Chirped Microwave Pulse Compression Using a Photonic Microwave Filter With a Nonlinear Phase Response. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2009</b> , 57, 496-504	4.1	40
257	A Tunable Photonic Microwave Filter With a Complex Coefficient Using an Optical RF Phase Shifter. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 1472-1474	2.2	40
256	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
255	Nonuniformly-spaced photonic microwave delayline filter. <i>Optics Express</i> , <b>2008</b> , 16, 4713-8	3.3	39
254	Recent advances in optoelectronic oscillators. <i>Advanced Photonics</i> , <b>2020</b> , 2, 1	8.1	39
253	Microwave Photonic Filter With Two Independently Tunable Passbands Using a Phase Modulator and an Equivalent Phase-Shifted Fiber Bragg Grating. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2014</b> , 62, 380-387	4.1	38
252	Microfiber Fabry-Perot interferometer fabricated by taper-drawing technique and its application as a radio frequency interrogated refractive index sensor. <i>Optics Letters</i> , <b>2012</b> , 37, 2925-7	3	38
251	Tunable microwave photonic phase shifter based on slow and fast light effects in a tilted fiber Bragg grating. <i>Optics Express</i> , <b>2012</b> , 20, 14009-14	3.3	38
250	Bandstop-to-Bandpass Microwave Photonic Filter Using a Phase-Shifted Fiber Bragg Grating. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 5133-5139	4	37
249	Nonuniformly Spaced Photonic Microwave Delay-Line Filters and Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 3279-3289	4.1	37
248	Discriminator-Aided Optical Phase-Lock Loop Incorporating a Frequency Down-Conversion Module. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 2344-2346	2.2	36
247	Microwave Photonics for High-Resolution and High-Speed Interrogation of Fiber Bragg Grating Sensors. <i>Fiber and Integrated Optics</i> , <b>2015</b> , 34, 204-216	0.8	35
246	Sensitivity-enhanced fiber optic temperature sensor with strain response suppression. <i>Optical Fiber Technology</i> , <b>2013</b> , 19, 289-292	2.4	35
245	Photonic Microwave Bandpass Filter With Negative Coefficients Using a Polarization Modulator. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 644-646	2.2	35

244	Tunable Optical Frequency Comb Generation Based on an Optoelectronic Oscillator. <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 2035-2038	2.2	34
243	Continuously Tunable Photonic Microwave Frequency Multiplication by Use of an Unbalanced Temporal Pulse Shaping System. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 1285-1287	2.2	33
242	Photonic True-Time Delay Beamforming Based on Superstructured Fiber Bragg Gratings With Linearly Increasing Equivalent Chirps. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 1147-1154	4	32
241	Ultrafast and Ultrahigh-Resolution Interrogation of a Fiber Bragg Grating Sensor Based on Interferometric Temporal Spectroscopy. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 2927-2933	4	31
240	Simultaneous wavelength and frequency encoded microstructure based quasi-distributed temperature sensor. <i>Optics Express</i> , <b>2012</b> , 20, 12076-84	3.3	30
239	Multichannel Optical Signal Processing in NRZ Systems Based on a Frequency-Doubling Optoelectronic Oscillator. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2010</b> , 16, 1460-1468	3.8	30
238	Numerical Study of a DFB Semiconductor Laser and Laser Array With Chirped Structure Based on the Equivalent Chirp Technology. <i>IEEE Journal of Quantum Electronics</i> , <b>2008</b> , 44, 938-945	2	30
237	Dual-frequency Optoelectronic Oscillator for Thermal-Insensitive Interrogation of a FBG Strain Sensor. <i>IEEE Photonics Technology Letters</i> , <b>2017</b> , 29, 357-360	2.2	29
236	Time-stretched sampling of a fast microwave waveform based on the repetitive use of a linearly chirped fiber Bragg grating in a dispersive loop. <i>Optica</i> , <b>2014</b> , 1, 64	8.6	29
235	Performance evaluation of UWB signal transmission over optical fiber. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2010</b> , 28, 889-900	14.2	29
234	All-optical microwave bandpass filters implemented in a radio-over-fiber link. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 1737-1739	2.2	29
233	All-optical microwave bandpass filter with negative coefficients based on PM-IM conversion. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 2176-2178	2.2	29
232	A Multifunctional Photonic Integrated Circuit for Diverse Microwave Signal Generation, Transmission, and Processing. <i>Laser and Photonics Reviews</i> , <b>2019</b> , 13, 1800240	8.3	28
231	Microwave Photonic Link With Improved Dynamic Range Using a Polarization Modulator. <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 1373-1376	2.2	28
230	Microwave and Terahertz Generation Based on Photonic Assisted Microwave Frequency Twelvemultiplication With Large Tunability. <i>IEEE Photonics Journal</i> , <b>2010</b> , 2, 954-959	1.8	28
229	On-chip silicon photonic integrated frequency-tunable bandpass microwave photonic filter. <i>Optics Letters</i> , <b>2018</b> , 43, 3622-3625	3	27
228	Ultrahigh-Resolution Photonic-Assisted Microwave Frequency Identification Based on Temporal Channelization. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 4275-4282	4.1	27
227	Ultra-wideband microwave photonic phase shifter with a 360° tunable phase shift based on an erbium-ytterbium co-doped linearly chirped FBG. <i>Optics Letters</i> , <b>2014</b> , 39, 922-4	3	27

226	Instantaneous Microwave Frequency Measurement Using a Photonic Microwave Filter With an Infinite Impulse Response. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 682-684	2.2	27
225	An Unbalanced Temporal Pulse-Shaping System for Chirped Microwave Waveform Generation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 2968-2975	4-1	27
224	Chirped RF Pulse Generation Based on Optical Spectral Shaping and Wavelength-to-Time Mapping Using a Nonlinearly Chirped Fiber Bragg Grating. <i>Journal of Lightwave Technology</i> , <b>2008</b> , 26, 1282-1287	4	27
223	Multitap Photonic Microwave Filters With Arbitrary Positive and Negative Coefficients Using a Polarization Modulator and an Optical Polarizer. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 78-80	2.2	26
222	Photonic integrated field-programmable disk array signal processor. <i>Nature Communications</i> , <b>2020</b> , 11, 406	17.4	26
221	Microfiber FabryPerot Interferometer for Dual-Parameter Sensing. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 1608-1615	4	25
220	Real-Time Interrogation of a Linearly Chirped Fiber Bragg Grating Sensor Based on Chirped Pulse Compression With Improved Resolution and Signal-to-Noise Ratio. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 1239-1247	4	25
219	A Photonic UWB Generator Reconfigurable for Multiple Modulation Formats. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 1381-1383	2.2	25
218	All-optical subcarrier frequency conversion using an electrooptic phase modulator. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 2427-2429	2.2	25
217	Photonic Generation of Linearly Chirped Microwave Waveforms Using a Silicon-Based On-Chip Spectral Shaper Incorporating Two Linearly Chirped Waveguide Bragg Gratings. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 5047-5054	4	24
216	Photonic Generation of a Phase-Coded Microwave Waveform With Ultrawide Frequency Tunable Range. <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 899-902	2.2	24
215	Phase-Coded Millimeter-Wave Waveform Generation Using a Spatially Discrete Chirped Fiber Bragg Grating. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1493-1495	2.2	24
214	Optical Generation of Binary Phase-Coded Direct-Sequence UWB Signals Using a Multichannel Chirped Fiber Bragg Grating. <i>Journal of Lightwave Technology</i> , <b>2008</b> , 26, 2513-2520	4	24
213	Multiwavelength erbium-doped fiber ring laser incorporating an SOA-based phase Modulator. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 756-758	2.2	24
212	Silicon-Based On-Chip Electrically-Tunable Spectral Shaper for Continuously Tunable Linearly Chirped Microwave Waveform Generation. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 4664-4672	4	24
211	A High Spectral Efficiency Coherent Microwave Photonic Link Employing Both Amplitude and Phase Modulation With Digital Phase Noise Cancellation. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 1-1	4	23
210	Tunable Single Bandpass Microwave Photonic Filter With an Improved Dynamic Range. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 11-14	2.2	23
209	Optical Differentiator Based on an Integrated Sidewall Phase-Shifted Bragg Grating. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 2383-2386	2.2	23



208	Continuously Tunable Microwave Frequency Multiplication by Optically Pumping Linearly Chirped Fiber Bragg Gratings in an Unbalanced Temporal Pulse Shaping System. <i>Journal of Lightwave Technology</i> , <b>2012</b> , 30, 1954-1959	4	23
207	A Two-Dimensional Optical True Time-Delay Beamformer Consisting of a Fiber Bragg Grating Prism and Switch-Based Fiber-Optic Delay Lines. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 627-629	2.2	23
206	Simultaneous Optical Spectral Shaping and Wavelength-to-Time Mapping for Photonic Microwave Arbitrary Waveform Generation. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 793-795	2.2	23
205	A tunable photonic microwave notch filter based on all-optical mixing. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 382-384	2.2	23
204	Frequency- and Notch-Depth-Tunable Single-Notch Microwave Photonic Filter. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 2063-2066	2.2	22
203	Millimeter-Wave Vector Signal Generation Based on a Bi-Directional Use of a Polarization Modulator in a Sagnac Loop. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 251-257	4	22
202	Photonic Generation of Precisely $\pi$ Phase-Shifted Binary Phase-Coded Microwave Signal. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 2001-2004	2.2	22
201	Photonic Generation of Millimeter-Wave Signals With Tunable Phase Shift. <i>IEEE Photonics Journal</i> , <b>2012</b> , 4, 889-894	1.8	22
200	Measurement of Microwave Frequency Using a Monolithically Integrated Scannable Echelle Diffractive Grating. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 45-47	2.2	22
199	Simultaneous Provision of UWB and Wired Services in a WDM-PON Network Using a Centralized Light Source. <i>IEEE Photonics Journal</i> , <b>2010</b> , 2, 712-718	1.8	22
198	Frequency-Multiplying Optoelectronic Oscillator With a Tunable Multiplication Factor. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 3479-3485	4.1	21
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88	Photonic generation of linearly chirped microwave waveform with a large time-bandwidth product using a silicon-based on-chip spectral shaper <b>2015</b> ,		4
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70	Photonics for UWB communications <b>2012</b> ,		3
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50	Complete pulse characterization based on temporal interferometry using an unbalanced temporal pulse shaping system <b>2010</b> ,		2
49	A dispersion-insensitive UWB over fiber system based on a photonic microwave bandpass filter <b>2010</b> ,		2
48	Photonic generation and transmission of UWB signals with On-Off keying and bi-phase modulation schemes <b>2009</b> ,		2
47	Multi-user UWB-over-Fiber System based on High-chip-count Phase Coding <b>2008</b> ,		2

46	Optical Generation and Distribution of UWB Signals <b>2006</b> ,		2
45	All-Optical Electrical Chirped Pulse Generation with Tunable Chirp Rate based on a Nonlinearly Chirped Fiber Bragg Grating <b>2007</b> ,		2
44	Up-Conversion of IQ Modulated Subcarriers with Dispersive Fiber for 60 GHz Radio-Over-Fiber Networks <b>2006</b> ,		2
43	High-speed and high-precision torsion sensor based on polarization-induced microwave photonic phase shift measurement. <i>Optics Letters</i> , <b>2019</b> , 44, 3462-3465	3	2
42	Microwave Photonic Link with Improved Dynamic Range for Long-Haul Multi-Octave Applications. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 1-1	4	2
41	A High Spectral Efficiency Radio Over Fiber Link Based on Coherent Detection and Digital Phase Noise Cancellation. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 1-1	4	2
40	Single-mode narrow-linewidth fiber ring laser with SBS-assisted parity-time symmetry for mode selection. <i>Optics Express</i> , <b>2022</b> , 30, 20809	3-3	2
39	Truly Distributed and Ultra-Fast Microwave Photonic Fiber-Optic Sensor. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 1-1	4	1
38	Microwave Photonic Based 1/n Frequency Divider <b>2019</b> ,		1
37	Ultrafast Three-Dimensional Serial Time-Encoded Imaging With High Vertical Resolution. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 4622-4626	4	1
36	Multitap Microwave Photonic Filter With Negative Coefficients Based on the Inherent Birefringence in a $\text{LiNbO}_3$ Phase Modulator. <i>IEEE Photonics Journal</i> , <b>2013</b> , 5, 5500709-5500709	1-8	1
35	Nonuniformly spaced photonic microwave delay-line filter using a spatially discrete chirped fiber Bragg grating <b>2011</b> ,		1
34	A tunable optoelectronic oscillator based on a high-Q spectrum sliced photonic microwave transversal filter <b>2011</b> ,		1
33	On the channel capacity of MIMO Rayleigh-Lognormal fading channel <b>2010</b> ,		1
32	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
31	Advanced fiber Bragg gratings for photonic generation and processing of arbitrary microwave waveforms <b>2010</b> ,		1
30	Multichannel photonic temporal differentiator for wavelength-division-multiplexed signal processing using a single fiber Bragg grating <b>2010</b> ,		1
29	Ultrafast all-optical wavelet transform based on temporal pulse shaping <b>2011</b> ,		1

28	Simultaneous generation and transmission of UWB wireless and baseband wired signals employing a dual-drive modulator <b>2011</b> ,		1
27	Photonics for microwave signal filtering <b>2009</b> ,		1
26	Microwave and millimeter-wave arbitrary waveform generation and processing using fiber-optics-based techniques <b>2009</b> ,		1
25	Optical generation of binary phase-coded microwave signal using a polarization-maintaining fiber Bragg grating <b>2011</b> ,		1
24	All-Optical High-Frequency Electrical Chirped Pulse Generation using a Nonlinearly Chirped Fiber Bragg Grating <b>2007</b> ,		1
23	Optical Up-Conversion of a BPSK Modulated Sub-carrier Employing a Phase Modulator and a Dispersive Fiber <b>2005</b> ,		1
22	Millimeter-wave generation based on four-wave mixing in an SOA <b>2006</b> ,		1
21	Silicon photonic integrated circuits for microwave signal generation and processing <b>2019</b> ,		1
20	Tunable single-longitudinal-mode laser based on polarimetric PT symmetry <b>2019</b> ,		1
19	Microwave Photonic Interrogation of a High-Speed and High-Resolution Multipoint Refractive Index Sensor. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 1-1	4	1
18	Photonic Generation of Pseudo Random Microwave Waveform Based on a Random Fiber Grating <b>2018</b> ,		1
17	Frequency-tunable parity-time-symmetric optoelectronic oscillator using a polarization-dependent Sagnac loop <b>2020</b> ,		1
16	A Monolithically Integrated and Widely Tunable Silicon Photonic Microwave Photonic Filter <b>2019</b> ,		1
15	Microwave Photonic Interrogation of a High-Speed and High-Resolution Temperature Sensor Based on Cascaded Fiber-Optic Sagnac Loops. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 4041-4048	4	1
14	Broadband Instantaneous Multi-Frequency Measurement Based on a Fourier Domain Mode-Locked Laser. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 1-1	4.1	1
13	Integrated Multi-Channel Millimeter Wave Photonic Generation Based on A Silicon Chip with Automated Polarization Control <b>2018</b> ,		1
12	Programmable On-Chip Photonic Signal Processor Based on a Microdisk Resonator Array <b>2018</b> ,		1
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10	Extremely Low-Profile Periodic 2D Leaky-Wave Antenna: An Optimal Solution for Antenna-Frontend Integration. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	1
9	Parity-Time Symmetry in a Single-Loop Photonic System. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 1-1	4	0
8	Photonic generation of a microwave waveform with an ultra-long temporal duration using a frequency-shifting dispersive loop.. <i>Optics Express</i> , <b>2022</b> , 30, 4737-4747	3.3	0
7	Fully Reconfigurable Waveguide Bragg Gratings for Programmable Photonic Signal Processing. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 202-214	4	0
6	Low jitter microwave pulse train generation based on an optoelectronic oscillator. <i>Optics Express</i> , <b>2021</b> , 29, 33491-33501	3.3	0
5	Cellular-Connected UAV with Adaptive Air-to-Ground Interference Cancellation and Trajectory Optimization. <i>IEEE Communications Letters</i> , <b>2022</b> , 1-1	3.8	0
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