Zhouyang Pan

List of Publications by Year
in descending order

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511	8,587	46984 47	79644 73
papers	citations	h-index	g-index

512	512	512	2680
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photonics-Assisted Radio Frequency Memory. Journal of Lightwave Technology, 2022, 40, 624-631.	2.7	8
2	Deep-learning-based timeâ€“frequency domain signal recovery for fiber-connected radar networks. Optics Letters, 2022, 47, 50.	1.7	2
3	Photonics-Based Adaptive RF Self-Interference Cancellation and Frequency Downconversion. Journal of Lightwave Technology, 2022, 40, 1989-1999.	2.7	13
4	Large Dynamic and Precision Optical Vector Analysis Assisted by SBS Processing. Journal of Lightwave Technology, 2022, 40, 2435-2440.	2.7	0
5	An RF-Source-Free Reconfigurable Microwave Photonic Radar With High-Resolution and Fast Detection Capability. Journal of Lightwave Technology, 2022, 40, 2862-2869.	2.7	14
6	RF Multiplier Based on Harmonic-Locked SMFP-LD and OEO Structure. IEEE Access, 2022, 10, 435-440.	2.6	2
7	Towards High-Resolution Imaging With Photonics-Based Time Division Multiplexing MIMO Radar. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-10.	1.9	12
8	Wideband Optical Vector Analysis Based on Microwave Photonic Frequency Downconversion. IEEE Photonics Technology Letters, 2022, 34, 145-148.	1.3	0
9	Simulation investigation of coupled optoelectronic oscillator with high supermode suppression ratio. , 2022, , .		0
10	Microwave photonic sparse radar with a high range resolution. , 2022, , .		4
11	Period-One Laser Dynamics for Photonic Microwave Signal Generation and Applications. Photonics, 2022, 9, 227.	0.9	5
12	Ultra-compact wideband filter with sidelobe suppression based on double modulated grating-assisted microring resonator. , 2022, 1, 623.		2
13	Photonically Generated Frequency Hopped Linear Frequency Modulated Signal Using a DFB Laser. Journal of Lightwave Technology, 2022, 40, 6729-6736.	2.7	6
14	Advances in cost-effective integrated spectrometers. Light: Science and Applications, 2022, 11, .	7.7	59
15	Simultaneous Measurement of Microwave Doppler Frequency Shift and Angle of Arrival Based on a Silicon Integrated Chip. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 4243-4251.	2.9	5
16	High-Accuracy and Fast Measurement of Optical Transfer Delay. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-4.	2.4	9
17	Multi-Functional Radar Waveform Generation Based on Optical Frequency-Time Stitching Method. Journal of Lightwave Technology, 2021, 39, 458-464.	2.7	16
18	Multi-Band RF Transceiver Based on the Polarization Multiplexed Photonic LOs and Mixers. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-9.	1.9	11

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19	Microwave Photonic MIMO Radar for High-Resolution Imaging. Journal of Lightwave Technology, 2021, 39, 7726-7733.	2.7	17
20	Microwave Omnidirectional Angle-of-Arrival Measurement based on an Optical Ten-Port Receiver. Journal of Lightwave Technology, 2021, , 1-1.	2.7	1
21	Photonics-Based Simultaneous Angle of Arrival and Frequency Measurement System With Multiple-Target Detection Capability. Journal of Lightwave Technology, 2021, 39, 7656-7663.	2.7	10
22	High-Accuracy Optical Fiber Transfer Delay Measurement Using Fiber-Optic Microwave Interferometry. Journal of Lightwave Technology, 2021, 39, 627-632.	2.7	8
23	Broadband Instantaneous Multi-Frequency Measurement Based on a Fourier Domain Mode-Locked Laser. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4576-4583.	2.9	11
24	Optical vector analyzer with time-domain analysis capability. Optics Letters, 2021, 46, 186.	1.7	4
25	Microwave Photonic Array Radars. IEEE Journal of Microwaves, 2021, 1, 176-190.	4.9	61
26	Broadband Optoelectronic Frequency Response Measurement Utilizing Frequency Conversion. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-5.	2.4	7
27	Arbitrary Bias Point Control for Mach-Zehnder Modulator Using a Linear-Frequency Modulated Signal. IEEE Photonics Technology Letters, 2021, 33, 577-580.	1.3	11
28	Large-Scale 3D Baseline Measurement Based on Phase-Stabilized GNSS-Over-Fiber System. Journal of Lightwave Technology, 2021, 39, 6796-6804.	2.7	0
29	Comprehensive vector analysis for electro-optical, opto-electronic, and optical devices. Optics Letters, 2021, 46, 1856.	1.7	1
30	Multi-Band LFM Signal With Unidentical Bandwidths Subjected to Optical Injection in a DFB Laser. IEEE Photonics Technology Letters, 2021, 33, 391-394.	1.3	14
31	Deep-learning based noise-resistant broadband signal recovery for fiber-connected radar networks. , 2021, , .		0
32	Photonic approach for simultaneous measurement of microwave DFS and AOA. Applied Optics, 2021, 60, 4622.	0.9	19
33	Photonicsâ€based deâ€chirp processor with the capability of processing dualâ€band signals. Electronics Letters, 2021, 57, 483.	0.5	1
34	High-Resolution Optical Vector Analysis With Enhanced Sensitivity. IEEE Photonics Technology Letters, 2021, 33, 581-584.	1.3	2
35	Photonics-based 3D radar imaging with CNN-assisted fast and noise-resistant image construction. Optics Express, 2021, 29, 19352.	1.7	13
36	Multi-Band Linear Frequency Modulation in External Cavity FP-LD Subjected to Multi-Input Injection. IEEE Photonics Technology Letters, 2021, 33, 565-568.	1.3	5

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37	Towards small target recognition with photonics-based high resolution radar range profiles. Optics Express, 2021, 29, 31574.	1.7	10
38	Dual-output filter-free microwave photonic single sideband up-converter with high mixing spur suppression. Applied Optics, 2021, 60, 7888.	0.9	2
39	High-Speed Switchable Dual-Passband Microwave Photonic Filter With Dual-Beam Injection in an SMFP-LD. Journal of Lightwave Technology, 2021, 39, 7966-7972.	2.7	5
40	Frequency-modulated continuous-wave laser ranging using low-duty-cycle signals for the applications of real-time super-resolved ranging. Optics Letters, 2021, 46, 258.	1.7	2
41	Machine Learning based LFM Signal Recovery for Fiber-Connected Radar Networks. , 2021, , .		1
42	A microwave photonic phase detector based on a dual-polarization dual-drive Mach-Zehnder modulator. , 2021, , .		2
43	Optical Transfer Delay Measurement Based on Multi-frequency Phase-Derived Ranging. , 2021, , .		2
44	Coherent Random-Modulated Continuous-Wave LiDAR Based on Phase-Coded Subcarrier Modulation. Photonics, 2021, 8, 475.	0.9	10
45	Millimeter-level resolution through-the-wall radar imaging enabled by an optically injected semiconductor laser. Optics Letters, 2021, 46, 5659.	1.7	14
46	Demonstration of a RF-Source-Free Microwave Photonic Radar Based on an Optically Injected Semiconductor Laser. , 2021, , .		1
47	High-resolution 3D imaging with a photonics-based broadband MIMO radar. , 2021, , .		2
48	Back-propagation neural network assisted photonic real-time Fourier transformation system. , 2021, , .		0
49	Photonics-based reconfigurable chirp signal generation with controllable amplitude, phase, and frequency. , 2021, , .		0
50	Optical Transfer Delay Measurement Based on Stimulated Brillouin Scattering. , 2021, , .		0
51	A Photonics-Assisted RF self-interference Cancellation System with an Improved Signal to Noise Ratio. , 2021, , .		0
52	High-accuracy Small Target Recognition with Photonics-Based Radar HRRP. , 2021, , .		0
53	A hitless and gridless wavelength selective switch for versatile spectral shapings. , 2021, , .		0
54	Time Delay Measurement of Optical Fiber Link with Spatial Resolution. , 2021, , .		0

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55	Speed-enhanced optical fiber transfer delay measurement based on digital phase detecting. , 2021, , .		0
56	Synchronization of two microwave oscillators based on an MLL-based microwave photonic phase detector. , 2021, , .		0
57	High-resolution 3D imaging with a photonics-based broadband MIMO radar. , 2021, , .		2
58	Linear Frequency Modulated Photonics RADAR using Injection Locking in Semiconductor Laser. , 2021, , .		2
59	Human Motion Sensing based on a Microwave Photonic Doppler Radar and a Deep Neural Network. , 2021, , .		0
60	Integrated Forward-Propagating Add-Drop Filter based on Cladding-Modulated Multimode Long Period Grating. , 2021, , .		0
61	High-resolution Detection by Multiband Fusion of Photonics-based Radars. , 2021, , .		3
62	Photonics-based RF self-interference cancellation for distributed systems. , 2021, , .		1
63	Photonic Real-time Fourier Transform Based on Frequency Stretching of RF Signals. , 2021, , .		1
64	Ultrahigh-Resolution Optoelectronic Vector Analysis for Characterization of High-Speed Integrated Coherent Receivers. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3812-3817.	2.4	4
65	Compact All-Fiber Polarization Coherent Lidar Based on a Polarization Modulator. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2193-2198.	2.4	6
66	Photonicsâ€Based Microwave Frequency Mixing: Methodology and Applications. Laser and Photonics Reviews, 2020, 14, 1800350.	4.4	63
67	Microwave Photonic Bistatic Radar for Real-Time and High-Resolution Imaging. IEEE Photonics Technology Letters, 2020, 32, 1397-1400.	1.3	8
68	Photonics-Enhanced RF Spectrum Sensing. , 2020, , .		1
69	Photonics-Based Radar-Lidar Integrated System for Multi-Sensor Fusion Applications. IEEE Sensors Journal, 2020, 20, 15068-15074.	2.4	12
70	Hybrid Fourier-domain mode-locked laser for ultra-wideband linearly chirped microwave waveform generation. Nature Communications, 2020, 11, 3814.	5.8	42
71	Photonic Generation of Linearly Chirped Microwave Waveforms With Tunable Parameters. IEEE Photonics Technology Letters, 2020, 32, 1037-1040.	1.3	15
72	Chipâ€Based Microwaveâ€Photonic Radar for Highâ€Resolution Imaging. Laser and Photonics Reviews, 2020, 14, 1900239.	4.4	37

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73	Microwave Frequency Measurement Based on an Optically Injected Semiconductor Laser. IEEE Photonics Technology Letters, 2020, 32, 1485-1488.	1.3	14
74	Broadband Cognitive Radio Enabled by Photonics. Journal of Lightwave Technology, 2020, 38, 3076-3088.	2.7	54
75	Microwave Photonic Imaging Radar With a Sub-Centimeter-Level Resolution. Journal of Lightwave Technology, 2020, 38, 4948-4954.	2.7	36
76	Ultrahigh-Resolution Optoelectronic Vector Analysis Utilizing Photonics-Based Frequency Up- and Down-Conversions. Journal of Lightwave Technology, 2020, , 1-1.	2.7	7
77	Broadband Image-Reject Mixing Based on a Polarization-Modulated Dual-Channel Photonic Microwave Phase Shifter. IEEE Photonics Journal, 2020, 12, 1-9.	1.0	8
78	Photonic-assisted high-resolution incoherent back projection synthetic aperture radar imaging. Optics Communications, 2020, 466, 125633.	1.0	9
79	Simultaneous Radar Detection and Frequency Measurement by Broadband Microwave Photonic Processing. Journal of Lightwave Technology, 2020, 38, 2171-2179.	2.7	35
80	Reflective-Type Microring Resonator for On-Chip Reconfigurable Microwave Photonic Systems. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-12.	1.9	13
81	Frequencyâ€domain versus timeâ€domain imaging for photonicsâ€based broadband radar. Electronics Letters, 2020, 56, 1330-1332.	0.5	11
82	Microwave Photonic Radars. Journal of Lightwave Technology, 2020, 38, 5450-5484.	2.7	225
83	Photonic generation of tunable dual-chirp microwave waveforms using a dual-beam optically injected semiconductor laser. Optics Letters, 2020, 45, 1342.	1.7	26
84	Deep neural network-assisted high-accuracy microwave instantaneous frequency measurement with a photonic scanning receiver. Optics Letters, 2020, 45, 3038.	1.7	18
85	A Frequency-Modulated Lidar System Based on an Optical Frequency Shifting Loop. , 2020, , .		0
86	A Multi-functional radar waveform generator based on an optical frequency shifting loop and an optical wavelength generator. , 2020, , .		0
87	Frequency-Modulated Continuous-Wave Coherent Lidar With Downlink Communications Capability. IEEE Photonics Technology Letters, 2020, 32, 655-658.	1.3	5
88	Experimental Analysis of laser Dynamics in Single Mode FP-LD Subjected to Dual-Beam Injection. , 2020, , .		2
89	Microwave Photonic Frequency Divider with Switchable Ratios enabled by an Opto-electronic Oscillator. , 2020, , .		0
90	Super-resolution FMCW laser ranging using two coherent LFM optical signals with different periods. , 2020, , .		0

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91	Dual-Chirp Microwave Waveform Generation by a Dual-Beam Optically injected Semiconductor Laser. , 2020, , .		0
92	Multioctave and reconfigurable frequency-stepped radar waveform generation based on an optical frequency shifting loop. Optics Letters, 2020, 45, 2038.	1.7	17
93	Optical fiber temperature and strain sensing system based on high accuracy time delay measurement. , 2020, , .		0
94	Photonics-based inverse synthetic aperture radar for near-field RCS calculation. , 2020, , .		1
95	Oneâ€third optical frequency divider for dualâ€wavelength optical signals based on an optoelectronic oscillator. Electronics Letters, 2020, 56, 727-729.	0.5	5
96	FBG Demodulation With Enhanced Performance Based on Optical Fiber Relative Delay Measurement. IEEE Photonics Technology Letters, 2020, 32, 775-778.	1.3	1
97	Two-stage XOR electro-optic directed logic gates based on a reflective-type microring resonator. , 2020, , .		0
98	Simultaneous distance and velocity measurement based on a bidirectional chirped fiber Bragg grating (CFBG). , 2020, , .		0
99	Photonic scanning receiver for wide-range microwave frequency measurement by photonic frequency octupling and in-phase and quadrature mixing. Optics Letters, 2020, 45, 5381.	1.7	12
100	Reconfigurable Identical and Complementary Chirp Dual-LFM Signal Generation Subjected to Dual-Beam Injection in a DFB Laser. Journal of Lightwave Technology, 2020, 38, 5500-5508.	2.7	14
101	Impact of Dispersion Effects on Temporal-Convolution-Based Real-Time Fourier Transformation Systems. Journal of Lightwave Technology, 2020, 38, 4664-4676.	2.7	8
102	Photonics-based Simultaneous Angle of Arrival and Frequency Measurement for Multiple Targets Detection. , 2020, , .		2
103	Resonant Frequency Drifting of the Mach-Zehnder Interferometer Coupler Assisted Reflective-Type Microring Resonator. , 2020, , .		0
104	A Multi-Antenna GNSS-Over-Fiber System for High Accuracy Three-Dimensional Baseline Measurement. Journal of Lightwave Technology, 2019, 37, 4201-4209.	2.7	8
105	Optical Fiber Transfer Delay Measurement Based on Phase-Derived Ranging. IEEE Photonics Technology Letters, 2019, 31, 1351-1354.	1.3	16
106	RoF System Based on an III-V-on-Silicon Transceiver With a Transfer-Printed PD. IEEE Photonics Technology Letters, 2019, 31, 1045-1048.	1.3	4
107	Low-Noise Repetition-Rate Multiplication by Injection Locking and Gain- Saturated Amplification. IEEE Photonics Technology Letters, 2019, 31, 997-1000.	1.3	2
108	Photonics-Based High-Resolution 3D Inverse Synthetic Aperture Radar Imaging. IEEE Access, 2019, 7, 79503-79509.	2.6	27

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109	Analysis of a flat-top optical ring resonator. Optics Communications, 2019, 451, 290-295.	1.0	8
110	FMCW Lidar Using Phase-Diversity Coherent Detection to Avoid Signal Aliasing. IEEE Photonics Technology Letters, 2019, 31, 1822-1825.	1.3	23
111	Photonics-based integrated communication and radar system. , 2019, , .		24
112	Microwave Photonic Channelizer Based on Polarization Multiplexing and Photonic Dual Output Image Reject Mixer. IEEE Access, 2019, 7, 158308-158316.	2.6	8
113	Three-dimensional Multiple Signal Classification (3D-MUSIC) for Super-resolution FMCW Radar Detection. , 2019, , .		11
114	Image reject mixer with greatly improved rejection ratio based on the balanced Hartley architecture. , 2019, , .		4
115	High-Precision Optical Time Delay Measurement Based on Carrier-Suppressed Optical Double-Sideband Modulation. , 2019, , .		0
116	Optical Vector Analysis With Improved Accuracy and Enhanced Dynamic Range. IEEE Photonics Technology Letters, 2019, 31, 1565-1568.	1.3	3
117	High-resolution phased array radar imaging by photonics-based broadband digital beamforming. Optics Express, 2019, 27, 13194.	1.7	35
118	Improved Incoherent Back Projection Imaging based on Self-amplitude Weighting and Multiplicative Tomography Weighting. , 2019, , .		0
119	Large-Dynamic Frequency Response Measurement for Broadband Electro-Optic Phase Modulators. IEEE Photonics Technology Letters, 2019, 31, 291-294.	1.3	3
120	Multiantenna GPS-Over-Fiber System for Attitude Determination Using Phase-Derived Range Measurement. IEEE Photonics Journal, 2019, 11, 1-10.	1.0	3
121	Writing 10 Gb/s Data Bits With Addressing Using External Cavity-Based SMFP-LDs. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-9.	1.9	3
122	Multifunction Lidar System Based on Polarization-Division Multiplexing. Journal of Lightwave Technology, 2019, 37, 2000-2007.	2.7	11
123	Wideband Microwave Frequency Division Based on an Optoelectronic Oscillator. IEEE Photonics Technology Letters, 2019, 31, 389-392.	1.3	25
124	Optical Behavior Analysis of Negative Wavelength Detuning in SMFP-LD and Its Effect on Multi-RF Generation. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	3
125	Broadband cognitive radio enabled by photonics. , 2019, , .		0
126	Simultaneous Measurement of Doppler-Frequency-Shift and Angle-of-Arrival of Microwave Signals for Automotive Radars. , 2019, , .		16

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127	Ringâ€modulatorâ€based RoF system with local SSB modulation and remote carrier reuse. Electronics Letters, 2019, 55, 1101-1104.	0.5	6
128	Dual-LFM Waveform Generation Based on Optical Injection to a Semiconductor Laser. , 2019, , .		0
129	Simultaneous Radar Detection and Microwave Frequency Measurement Based on Microwave Photonics. , 2019, , .		1
130	Time Lens with Improved Aperture to Resolution Ratio Based on a Phase Modulator. , 2019, , .		0
131	On-chip Photonic Method for Doppler Frequency Shift Measurement. , 2019, , .		3
132	Photonics-based super-resolution phased array radar detection applying two-dimensional multiple signal classification (2D-MUSIC). , 2019, , .		2
133	Optical vector analysis with attometer resolution, 90-dB dynamic range and THz bandwidth. Nature Communications, 2019, 10, 5135.	5.8	33
134	Broadband twoâ€thirds photonic microwave frequency divider. Electronics Letters, 2019, 55, 1141-1143.	0.5	8
135	Notch/bandpass Microwave Photonic Filter Based on a Microring Resonator and a LiNbO₃ Phase Modulator. , 2019, , .		4
136	Photonics-based receiver for decoupled velocity and range measurement. , 2019, , .		1
137	Microwave Channelizer Based on Polarization Multiplexing and Photonic Image-Reject Mixing. , 2019, , .		0
138	FMCW lidar with communication capability using phase-diversity coherent detection. , 2019, , .		2
139	High-Sensitivity Instantaneous Microwave Frequency Measurement Based on a Silicon Photonic Integrated Fano Resonator. Journal of Lightwave Technology, 2019, 37, 2527-2533.	2.7	34
140	Photonics-Based Broadband Microwave Instantaneous Frequency Measurement by Frequency-to-Phase-Slope Mapping. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 544-552.	2.9	18
141	Terahertz generation by optically injected semiconductor laser for radar and communication applications. Journal of Engineering, 2019, 2019, 7193-7195.	0.6	3
142	K-band optoelectronic oscillator based on a double-Brillouin-frequency shifter. Optical Engineering, 2019, 58, 1.	0.5	1
143	Tunable triangular frequency modulated microwave waveform generation with improved linearity using an optically injected semiconductor laser. Applied Optics, 2019, 58, 5479.	0.9	11
144	Photonics-based dual-functional system for simultaneous high-resolution radar imaging and fast frequency measurement. Optics Letters, 2019, 44, 1948.	1.7	18

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145	Ultrafast and ultrahigh-resolution optical vector analysis using linearly frequency-modulated waveform and dechirp processing. Optics Letters, 2019, 44, 3322.	1.7	18
146	Microwave channelizer based on a photonic dual-output image-reject mixer. Optics Letters, 2019, 44, 4052.	1.7	30
147	Photonic microwave harmonic down-converter based on stabilized period-one nonlinear dynamics of semiconductor lasers. Optics Letters, 2019, 44, 4869.	1.7	18
148	Photonics-enabled simultaneous self-interference cancellation and image-reject mixing. Optics Letters, 2019, 44, 5541.	1.7	22
149	Photonics-based radar with balanced I/Q de-chirping for interference-suppressed high-resolution detection and imaging. Photonics Research, 2019, 7, 265.	3.4	65
150	Title is missing!. Chinese Optics Letters, 2019, 17, 060601.	1.3	21
151	Frequency-modulated continuous-wave lidar using a phase-diversity coherent optical receiver for simultaneous ranging and velocimetry. , 2019, , .		1
152	Repetition-Rate Multiplication of Mode-locked Lasers Using Harmonic Injection Locking and Gain-Saturated SOA. , 2019, , .		0
153	Microwave frequency division based on an optoelectronic oscillator. , 2019, , .		1
154	Two-dimensional optical phased array with grating lobe suppression by element distribution and emitting amplitude optimization. , 2019, , .		0
155	A feedback system for the stability improvement of optical frequency comb generating system based on a single integrated PM-DMZM. , 2019, , .		1
156	Integratable microwave photonic phase shifter based on a tunable optical coupler. , 2019, , .		0
157	Highâ€resolution optical vector network analyser employing optical doubleâ€sideband modulation and optical Hilbert transform. Electronics Letters, 2019, 55, 337-339.	0.5	1
158	Microwave comb generation using single-mode Fabry-Perot laser diode. , 2019, , .		0
159	Feedback method and structure to improve the stability of the OFC-generated system based on electro-optic modulation. Optical Engineering, 2019, 58, 1.	0.5	1
160	Demonstration of RF multiplier using an injection-locked laser with OEO. , 2019, , .		0
161	Analysis of red-shift in SMFP-LD with positive and negative wavelength detuning. , 2019, , .		0
162	RF signal generation, hopping and switching based on negative wavelength detuning in SMFP-LDs. , 2019, , .		0

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163	Stable OFC generator based on cascaded phase modulators. , 2019, , .		0
164	Ultrahigh-Resolution Electro-Optic Vector Analysis for Characterization of High-Speed Electro-Optic Phase Modulators. Journal of Lightwave Technology, 2018, 36, 1644-1649.	2.7	6
165	Photonics-Based Instantaneous Multi-Parameter Measurement of a Linear Frequency Modulation Microwave Signal. Journal of Lightwave Technology, 2018, 36, 2589-2596.	2.7	20
166	Tuning of Transmission Responses of an Optical Microring With Negligible Wavelength Shift. IEEE Photonics Technology Letters, 2018, 30, 227-230.	1.3	3
167	High-Resolution Optical Vector Analysis Based on Symmetric Double-Sideband Modulation. IEEE Photonics Technology Letters, 2018, 30, 491-494.	1.3	30
168	Microwave Frequency Generation, Switching, and Controlling Using Single-Mode FP-LDs. Journal of Lightwave Technology, 2018, 36, 4273-4281.	2.7	7
169	Grating-lobe-suppressed optical phased array with optimized element distribution. Optics Communications, 2018, 419, 47-52.	1.0	21
170	Simultaneous Generation of Multiband Signals Using External Cavity-Based Fabryâ€“Perot Laser Diode. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 606-617.	2.9	6
171	A Multi-antenna GNSS-over-fiber System with High Vertical Precision. , 2018, , .		3
172	Photonics-based Radar Transceiver For Full-Polarimetric Inverse Synthetic Aperture Imaging. , 2018, , .		3
173	Ultra-High Resolution Real-Time Radar Imaging Based on Microwave Photonics. , 2018, , .		1
174	Ultralow Noise Microwave Generation based on All-Fiber Michelson Interferometer and Sagnac Loop. , 2018, , .		0
175	Photonics-based Multiband Radar Applying an Optical Frequency Sweeping Comb and Photonic Dechirp Receiving. , 2018, , .		5
176	Photonics-Assisted Radio-Frequency Self-Interference Cancellation and Fiber Transmission Using a DP-QPSK modulator. , 2018, , .		2
177	Ultra-high resolution real-time radar imaging based on microwave photonics. , 2018, , .		3
178	Photonic-Assisted Multi-Frequency Phase-Coded Microwave Signal Generation. , 2018, , .		1
179	Ultra-high resolution radar imaging based on microwave photonics. , 2018, , .		0
180	Fast and wide-range optical beam steering with ultralow side lobes by applying an optimized multi-circular optical phased array. Applied Optics, 2018, 57, 4977.	0.9	23

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181	Coherent Optical RF Channelizer With Large Instantaneous Bandwidth and Large In-Band Interference Suppression. Journal of Lightwave Technology, 2018, 36, 4219-4226.	2.7	50
182	Flat-top optical resonance in a single-ring resonator based on manipulation of fast- and slow-light effects. Optics Express, 2018, 26, 23215.	1.7	25
183	Polarization-division multiplexing based multi-function lidar system. , 2018, , .		0
184	Wideband Microwave Phase Noise Analyzer Based on an All-Optical Microwave I/Q Mixer. Journal of Lightwave Technology, 2018, 36, 4319-4325.	2.7	11
185	Compact Phase Detector for Optical-Microwave Synchronization Using Polarization Modulation. Journal of Lightwave Technology, 2018, 36, 4267-4272.	2.7	11
186	Phase Noise Measurement of RF Signals by Photonic Time Delay and Digital Phase Demodulation. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 4306-4315.	2.9	9
187	Wideband microwave photonic I/Q mixer based on parallel installed phase modulator and Mach-Zehnder modulator. , 2018, , .		6
188	Ultrahighâ€resolution coherent optical spectrum analysis based on electrical frequency sweeping with a doubled measurement range. Electronics Letters, 2018, 54, 842-844.	0.5	1
189	Fiber-distributed ultra-wideband radar network based on wavelength reusing transceivers. Optics Express, 2018, 26, 18457.	1.7	12
190	Photonics-based MIMO radar with high-resolution and fast detection capability. Optics Express, 2018, 26, 17529.	1.7	86
191	All-fiber-photonics-based ultralow-noise agile frequency synthesizer for X-band radars. Photonics Research, 2018, 6, 12.	3.4	14
192	A Modulator-Free Photonic Triangular Pulse Generator Based on Semiconductor Lasers. IEEE Photonics Technology Letters, 2018, 30, 1317-1320.	1.3	6
193	Multi-format signal generation using a frequency-tunable optoelectronic oscillator. Optics Express, 2018, 26, 3404.	1.7	20
194	Performance-improved microwave photonic single-passband filter using birefringence of phase-shifted fiber Bragg grating. Optics Communications, 2018, 428, 41-46.	1.0	6
195	Ultrahigh-resolution and wideband optical vector analysis for arbitrary responses. Optics Letters, 2018, 43, 727.	1.7	14
196	Dual-chirp microwave waveform generation for radar application based on an optically injected semiconductor laser. , 2018, , .		1
197	Photonics-Based Microwave Image-Reject Mixer. Photonics, 2018, 5, 6.	0.9	38
198	A Coupled Optoelectronic Oscillator With Performance Improved by Enhanced Spatial Hole Burning in an Erbium-Doped Fiber. Journal of Lightwave Technology, 2018, 36, 3726-3732.	2.7	23

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199	Ultrahigh-Resolution Optical Vector Analysis for Arbitrary Responses Using Low-Frequency Detection. IEEE Photonics Technology Letters, 2018, 30, 1523-1526.	1.3	3
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