

Shangyuan Li

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Linear Radio-Over-Fiber System Incorporating a Single-Drive Dual-Parallel Mach-Zehnder Modulator. IEEE Photonics Technology Letters, 2010, 22, 1775-1777.	2.5	107
2	Compensation of dispersion-induced power fading for highly linear radio-over-fiber link using carrier phase-shifted double sideband modulation. Optics Letters, 2011, 36, 546.	3.3	87
3	High-resolution W-band ISAR imaging system utilizing a logic-operation-based photonic digital-to-analog converter. Optics Express, 2018, 26, 1978.	3.4	84
4	Microcomb-Based True-Time-Delay Network for Microwave Beamforming With Arbitrary Beam Pattern Control. Journal of Lightwave Technology, 2018, 36, 2312-2321.	4.6	68
5	Design of PANDA ring-core fiber with 10 polarization-maintaining modes. Photonics Research, 2017, 5, 1.	7.0	60
6	Postcompensation for nonlinearity of Mach-Zehnder modulator in radio-over-fiber system based on second-order optical sideband processing. Optics Letters, 2012, 37, 806.	3.3	41
7	All-Optical Arbitrary-Point Stable Quadruple Frequency Dissemination With Photonic Microwave Phase Conjugation. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	36
8	Generating the orbital angular momentum of radio frequency signals using optical-true-time-delay unit based on optical spectrum processor. Optics Letters, 2014, 39, 2652.	3.3	33
9	Photonics-based wideband distributed coherent aperture radar system. Optics Express, 2018, 26, 33783.	3.4	28
10	Optical spectrum feature analysis and recognition for optical network security with machine learning. Optics Express, 2019, 27, 24808.	3.4	28
11	Tunable dual frequency optoelectronic oscillator with low intermodulation based on dual-parallel Mach-Zehnder modulator. Optics Express, 2016, 24, 30282.	3.4	25
12	High-efficiency microwave photonic harmonic down-conversion with tunable and reconfigurable filtering. Optics Letters, 2014, 39, 6565.	3.3	22
13	Distributed coherent microwave photonic radar with a high-precision fiber-optic time and frequency network. Optics Express, 2020, 28, 31241.	3.4	22
14	Dynamic range improvement strategy for Mach-Zehnder modulators in microwave/millimeter-wave ROF links. Optics Express, 2012, 20, 17214.	3.4	20
15	Fast Lightpath Hopping Enabled by Time Synchronization for Optical Network Security. IEEE Communications Letters, 2016, 20, 101-104.	4.1	18
16	True time-delay line with high resolution and wide range employing dispersion and optical spectrum processing. Optics Letters, 2013, 38, 3245.	3.3	15
17	A spurious frequencies suppression method for optical frequency comb based microwave photonic filter. Laser and Photonics Reviews, 2013, 7, L34-L38.	8.7	14
18	An Interleaved Broadband Photonic ADC Immune to Channel Mismatches Capable for High-Speed Radar Imaging. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	13

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19	OFDM Radar and Communication Joint System Using Opto-Electronic Oscillator With Phase Noise Degradation Analysis and Mitigation. <i>Journal of Lightwave Technology</i> , 2022, 40, 4101-4109.	4.6	12
20	A Photonics-Based Coherent Dual-Band Radar for Super-Resolution Range Profile. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8.	2.0	11
21	Tunable microwave photonic notch filter based on sliced broadband optical source. <i>Optics Express</i> , 2015, 23, 24308.	3.4	10
22	Idler-free microwave photonic mixer integrated with a widely tunable and highly selective microwave photonic filter. <i>Optics Letters</i> , 2014, 39, 3954.	3.3	9
23	Tunable ultraflat optical frequency comb generator based on optoelectronic oscillator using dual-parallel Mach-Zehnder modulator. <i>Optical Engineering</i> , 2017, 56, 066115.	1.0	9
24	Photonics-Assisted Broadband Distributed Coherent Aperture Radar for High-Precision Imaging of Dim-Small Targets. <i>IEEE Photonics Journal</i> , 2019, 11, 1-9.	2.0	9
25	A Microwave Photonics-based Inverse Synthetic Aperture Radar System. , 2017, , .		9
26	W-Band High-Q Microwave Photonic Filter With the Third-Order Dispersion Precompensation. <i>Journal of Lightwave Technology</i> , 2018, 36, 2152-2160.	4.6	8
27	Highly Linear Millimeter-Wave over Fiber Transmitter with Subcarrier Upconversion. , 2011, , .		8
28	Suppression for dispersion induced phase noise of an optically generated millimeter wave employing optical spectrum processing. <i>Optics Letters</i> , 2012, 37, 3987.	3.3	6
29	Phase Noise Suppression for Single-Sideband Modulation Radio-Over-Fiber Systems Adopting Optical Spectrum Processing. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 1024-1026.	2.5	6
30	Multicore Fiber-Enabled Stable Millimeter-Wave Local Oscillator Phase Dissemination Trunk Network. <i>Journal of Lightwave Technology</i> , 2019, 37, 5238-5245.	4.6	6
31	Photonics-enabled distributed MIMO radar for high-resolution 3D imaging. <i>Photonics Research</i> , 2022, 10, 1679.	7.0	6
32	Multisideband Detection Radio-Over-Fiber Link With Phase Modulation and Fiber Demodulation for Vector Signal Transmission. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 76-78.	2.5	5
33	All-optical signal processing for linearity enhancement of Mach-Zehnder modulators. <i>Science Bulletin</i> , 2014, 59, 2655-2660.	1.7	5
34	Precise Measurement of Fiber Third-Order Dispersion Using Transfer Function of a Microwave Photonic Filter. <i>Journal of Lightwave Technology</i> , 2017, 35, 4865-4870.	4.6	5
35	Wideband Radar Signal Distribution With an Idler-Free Photonic Microwave Frequency Shifter. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1948-1951.	2.5	4
36	A Microwave Photonics Equalizer for Overcoming Dispersion-Induced Distortions on Wideband Signals in Radio-Over-Fiber Links. <i>Journal of Lightwave Technology</i> , 2019, 37, 736-743.	4.6	4

#	ARTICLE	IF	CITATIONS
37	A large-range autofocus microwave photonic radar based on adaptive spatial filtering along the range direction. Optics Communications, 2020, 477, 126354.	2.1	4
38	Microwave Photonic Wideband Distributed Coherent Aperture Radar With High Robustness to Time Synchronization Error. Journal of Lightwave Technology, 2021, 39, 347-356.	4.6	4
39	Novel Photonic Radio-frequency Arbitrary Waveform Generation based on Photonic Digital-to-Analog Conversion with Pulse Carving. , 2015, , .		4
40	Photonic-Assisted RF Self-Interference Cancellation Based on Optical Spectrum Processing. Journal of Lightwave Technology, 2022, 40, 2015-2022.	4.6	4
41	Simultaneous multiwavelength optical SSB generation for WDM radio-over-fiber systems using a DGD element and a polarizer. , 2006, 6353, 599.		3
42	A Segmented Photonic Digital-to-analog Converter with a High Effective Number of Bits. , 2019, , .		3
43	High-resolution imaging of a high-speed target based on a reconfigurable photonic fractional Fourier transformer. Optics Express, 2021, 29, 19985.	3.4	3
44	Tunable single bandpass microwave photonic filter using polarization-orthogonal optical carrier time shift. Optics Communications, 2014, 326, 150-154.	2.1	2
45	Improving suppression ratio of microwave photonic filters using high-precision spectral shaping. Optical Engineering, 2015, 54, 050501.	1.0	2
46	High-precision fiber-optic two-way time transfer network with time- frequency transform measurement. Optics Communications, 2020, 477, 126342.	2.1	2
47	Noise analysis of photonic digital-to-analog converters. Applied Optics, 2022, 61, 4055.	1.8	2
48	Dispersion induced fading frequency shifting technology in Radio-over-Fiber link. , 2010, , .		1
49	Tunable W-band microwave photonic filter with ultra-high quality factor. , 2016, , .		1
50	Chromatic Dispersion Diagnosis of Three OAM States in 5.58 Kilometer Ring-Core Fiber Link. IEEE Photonics Journal, 2017, 9, 1-7.	2.0	1
51	Microwave photonics based radar TRx modules and their application in ISAR. , 2017, , .		1
52	Scalable Orbital Angular Momentum Mode-Division-Multiplexed Transmission over 10-km Graded-Index Ring-Core Fiber. , 2017, , .		1
53	Microcomb based microwave true-time-delay beamforming. , 2017, , .		1
54	Stable microwave LO distribution via a phase-locked OEO assisted by passive compensation. Optics Communications, 2022, 507, 127625.	2.1	1

#	ARTICLE	IF	CITATIONS
55	Optical ultra-wideband pulse generation using air-guiding photonic bandgap fiber and a semiconductor optical amplifier. , 2007, , .		0
56	All-optical subcarrier phase modulation for WDM radio-over-fiber system. , 2008, , .		0
57	Tunable subcarrier frequency up-conversion in millimetre-wave band using photonic crystal fibers. , 2009, , .		0
58	Generation and modulation of 2.5Gbps ultra-wideband monocycle pulses from non-return-to-zero data. , 2009, , .		0
59	Improvement of Optically Generated Adjacent Channel Interference in RoF Systems. IEEE Photonics Technology Letters, 2013, 25, 1137-1140.	2.5	0
60	High-precision microwave photonic true time delay measurement based on multi-channel microwave interference. , 2016, , .		0
61	Researches in microwave photonics based packages for millimeter wave system with wide bandwidth and large dynamic range. Frontiers of Optoelectronics, 2016, 9, 186-193.	3.7	0
62	Group velocity dispersion measurements of 3 OAM states in 1 kilometer ring-core fiber link. , 2016, , .		0
63	An injection-locked OEO based frequency doubler independent of electrical doubler phase noise deteriorating rule. Optics Communications, 2018, 416, 202-206.	2.1	0
64	A photonic approach for LFM bandwidth broadening based on sub-chirp signal splicing. , 2018, , .		0
65	Highly linear transmission and EVM improvement of vector modulation signals for radio-over-fiber applications. Chinese Optics Letters, 2012, 10, 100606-100608.	2.9	0
66	A photonic microwave frequency quadrupler for wideband radar signal generation. , 2017, , .		0
67	Optoelectronic oscillator's frequency fine control based on band pass filter temperature variation. , 2017, , .		0
68	Photonic time-frequency filter based on the software-defined time-frequency prism. Optics Letters, 2022, 47, 3576.	3.3	0