Xihua Zou

List of Publications by Year
in descending order

191 papers	3,965 citations	117453 34 h-index	149479 56 g-index
193 all docs	193 docs citations	193 times ranked	1986 citing authors

#	Article	IF	Citations
1	Photonics for microwave measurements. Laser and Photonics Reviews, 2016, 10, 711-734.	4.4	261
2	Sensitivity-enhanced temperature sensor with cascaded fiber optic Sagnac interferometers based on Vernier-effect. Optics Communications, 2015, 336, 73-76.	1.0	197
3	An Approach to the Measurement of Microwave Frequency Based on Optical Power Monitoring. IEEE Photonics Technology Letters, 2008, 20, 1249-1251.	1.3	159
4	Analytical Models for Phase-Modulation-Based Microwave Photonic Systems With Phase Modulation to Intensity Modulation Conversion Using a Dispersive Device. Journal of Lightwave Technology, 2009, 27, 511-521.	2.7	126
5	Optoelectronic Oscillators (OEOs) to Sensing, Measurement, and Detection. IEEE Journal of Quantum Electronics, 2016, 52, 1-16.	1.0	120
6	Photonic generation of triangular-shaped pulses based on frequency-to-time conversion. Optics Letters, 2011, 36, 1458.	1.7	115
7	An Optical Approach to Microwave Frequency Measurement With Adjustable Measurement Range and Resolution. IEEE Photonics Technology Letters, 2008, 20, 1989-1991.	1.3	111
8	Microwave Frequency Measurement Based on Optical Power Monitoring Using a Complementary Optical Filter Pair. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 505-511.	2.9	107
9	Photonic approach for multiple-frequency-component measurement using spectrally sliced incoherent source. Optics Letters, 2010, 35, 438.	1.7	87
10	Instantaneous Microwave Frequency Measurement With Improved Measurement Range and Resolution Based on Simultaneous Phase Modulation and Intensity Modulation. Journal of Lightwave Technology, 2009, 27, 5314-5320.	2.7	84
11	Photonic-Assisted Microwave Channelizer With Improved Channel Characteristics Based on Spectrum-Controlled Stimulated Brillouin Scattering. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3470-3478.	2.9	83
12	A reconfigurable optoelectronic oscillator based on cascaded coherence-controllable recirculating delay lines. Optics Express, 2012, 20, 13296.	1.7	81
13	Optical length change measurement via RF frequency shift analysis of incoherent light source based optoelectronic oscillator. Optics Express, 2014, 22, 11129.	1.7	78
14	Microwave Photonics for Featured Applications in High-Speed Railways: Communications, Detection, and Sensing. Journal of Lightwave Technology, 2018, 36, 4337-4346.	2.7	78
15	SNR Enhancement in Phase-Sensitive OTDR with Adaptive 2-D Bilateral Filtering Algorithm. IEEE Photonics Journal, 2017, 9, 1-10.	1.0	64
16	SFDR enhancement in analog photonic links by simultaneous compensation for dispersion and nonlinearity. Optics Express, 2013, 21, 20999.	1.7	63
17	Photonic approach to the measurement of time-difference-of-arrival and angle-of-arrival of a microwave signal. Optics Letters, 2012, 37, 755.	1.7	61
18	Enhanced chaos synchronization and communication in cascade-coupled semiconductor ring lasers. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 1874-1883.	1.7	60

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19	Investigation on Tunable Modulation Index in the Polarization-Modulator-Based Optoelectronic Oscillator. IEEE Journal of Quantum Electronics, 2014, 50, 68-73.	1.0	59
20	Photonic Approach to Wide-Frequency-Range High-Resolution Microwave/Millimeter-Wave Doppler Frequency Shift Estimation. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1421-1430.	2.9	58
21	Loss of Time Delay Signature in Broadband Cascade-Coupled Semiconductor Lasers. IEEE Photonics Technology Letters, 2012, 24, 2187-2190.	1.3	56
22	Recent progress of integrated circuits and optoelectronic chips. Science China Information Sciences, 2021, 64, 1.	2.7	56
23	Fully digital programmable optical frequency comb generation and application. Optics Letters, 2018, 43, 283.	1.7	50
24	Photonic Generation of Triangular-Shaped Microwave Pulses Using SBS-Based Optical Carrier Processing. Journal of Lightwave Technology, 2014, 32, 3797-3802.	2.7	49
25	All-fiber optical filter with an ultranarrow and rectangular spectral response. Optics Letters, 2013, 38, 3096.	1.7	48
26	Wideband Doppler frequency shift measurement and direction ambiguity resolution using optical frequency shift and optical heterodyning. Optics Letters, 2015, 40, 2321.	1.7	48
27	Multiple vibrations measurement using phase-sensitive OTDR merged with Mach-Zehnder interferometer based on frequency division multiplexing. Optics Express, 2016, 24, 4842.	1.7	48
28	Photonic Generation of Wideband Time-Delay-Signature-Eliminated Chaotic Signals Utilizing an Optically Injected Semiconductor Laser. IEEE Journal of Quantum Electronics, 2012, 48, 1339-1345.	1.0	45
29	High-uniformity multichannel plasmonic filter using linearly lengthened insulators in metalâ€“insulatorâ€“metal waveguide. Optics Letters, 2013, 38, 1585.	1.7	42
30	A Multifunctional Photonic Integrated Circuit for Diverse Microwave Signal Generation, Transmission, and Processing. Laser and Photonics Reviews, 2019, 13, 1800240.	4.4	42
31	Photonic approach for simultaneous measurements of Doppler-frequency-shift and angle-of-arrival of microwave signals. Optics Express, 2019, 27, 8709.	1.7	41
32	Conceal time-delay signature of chaotic vertical-cavity surface-emitting lasers by variable-polarization optical feedback. Optics Communications, 2011, 284, 5758-5765.	1.0	38
33	Self-Mixing Demodulation for Coherent Phase-Sensitive OTDR System. Sensors, 2016, 16, 681.	2.1	36
34	Wideband Microwave Doppler Frequency Shift Measurement and Direction Discrimination Using Photonic I/Q Detection. Journal of Lightwave Technology, 2016, 34, 4639-4645.	2.7	36
35	Enhanced Two-Channel Optical Chaotic Communication Using Isochronous Synchronization. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 0600109-0600109.	1.9	31
36	Photonic Millimeter-Wave Joint Radar Communication System Using Spectrum-Spreading Phase-Coding. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1552-1561.	2.9	30

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37	Optical Fiber Temperature and Torsion Sensor Based on Lyot-Sagnac Interferometer. Sensors, 2016, 16, 1774.	2.1	29
38	Phase Demodulation Based on DCM Algorithm in Î¦-OTDR With Self-Interference Balance Detection. IEEE Photonics Technology Letters, 2020, 32, 473-476.	1.3	27
39	Influence of polarization mode competition on chaotic unpredictability of vertical-cavity surface-emitting lasers with polarization-rotated optical feedback. Optics Letters, 2011, 36, 310.	1.7	26
40	Tunable Photonic Radio-Frequency Filter With a Record High Out-of-Band Rejection. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4502-4512.	2.9	24
41	Two-dimensionally tunable microwave signal generation based on optical frequency-to-time conversion. Optics Letters, 2010, 35, 2606.	1.7	23
42	Photonic Generation of Microwave Phase-Coded Signals Based on Frequency-to-Time Conversion. IEEE Photonics Technology Letters, 2012, 24, 1527-1529.	1.3	23
43	Angle-of-Arrival Estimation of Microwave Signals Based on Optical Phase Scanning. Journal of Lightwave Technology, 2019, 37, 6048-6053.	2.7	23
44	Multi-IF-Over-Fiber Based Mobile Fronthaul With Blind Linearization and Flexible Dispersion Induced Bandwidth Penalty Mitigation. Journal of Lightwave Technology, 2019, 37, 1424-1433.	2.7	23
45	Photonic Frequency Measurement and Signal Separation for Pulsed/CW Microwave Signals. IEEE Photonics Technology Letters, 2013, 25, 500-503.	1.3	21
46	A photonic frequency downconverter based on a single dual-drive Mach-Zehnder modulator. , 2013, , .		21
47	Ultra-high speed RF filtering switch based on stimulated Brillouin scattering. Optics Letters, 2018, 43, 279.	1.7	21
48	High-Resolution Range and Velocity Measurement Based on Photonic LFM Microwave Signal Generation and Detection. IEEE Photonics Journal, 2019, 11, 1-8.	1.0	21
49	Fine Tunable PT-Symmetric Optoelectronic Oscillator Based on Laser Wavelength Tuning. IEEE Photonics Technology Letters, 2020, 32, 47-50.	1.3	20
50	Multiaccess Optical Chaos Communication Using Mutually Coupled Semiconductor Lasers Subjected to Identical External Injections. IEEE Photonics Technology Letters, 2010, 22, 676-678.	1.3	19
51	Full-scale phase demodulation approach for photonic instantaneous frequency measurement. Optics Letters, 2010, 35, 2747.	1.7	19
52	Conceal Time-Delay Signature of Mutually Coupled Vertical-Cavity Surface-Emitting Lasers by Variable Polarization Optical Injection. IEEE Photonics Technology Letters, 2012, 24, 1693-1695.	1.3	19
53	Image-Free Microwave Photonic Down-Conversion Approach for Fiber-Optic Antenna Remoting. IEEE Journal of Quantum Electronics, 2017, 53, 1-8.	1.0	19
54	Low-loss broadband 5â€‰â€‰Ã—â€‰â€‰5 non-blocking Si₃N₄ optical switch matrix. Optics Letters, 2019, 44, 2629.	1.7	19

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55	Temperature-insensitive optical tilt sensor based on a single eccentric-core fiber Bragg grating. Optics Letters, 2019, 44, 5570.	1.7	19
56	Repetition-rate-tunable return-to-zero and carrier-suppressed return-to-zero optical pulse train generation using a polarization modulator. Optics Letters, 2009, 34, 313.	1.7	18
57	Frequency-Doubling Optoelectronic Oscillator Using DSB-SC Modulation and Carrier Recovery Based on Stimulated Brillouin Scattering. IEEE Photonics Journal, 2013, 5, 6600606-6600606.	1.0	18
58	Photonic-Assisted Leakage Cancellation for Wideband Frequency Modulation Continuous-Wave Radar Transceiver. Journal of Lightwave Technology, 2020, 38, 1178-1183.	2.7	18
59	Millimeter-wave joint radar and communication system based on photonic frequency-multiplying constant envelope LFM-OFDM. Optics Express, 2022, 30, 26407.	1.7	18
60	High-Spectral-Efficiency Photonic Frequency Down-Conversion Using Optical Frequency Comb and SSB Modulation. IEEE Photonics Journal, 2013, 5, 7200307-7200307.	1.0	17
61	Photonic Instantaneous Frequency Measurement Using a Single Laser Source and Two Quadrature Optical Filters. IEEE Photonics Technology Letters, 2011, 23, 39-41.	1.3	16
62	E-Band 76-GHz Coherent RoF Backhaul Link Using an Integrated Photonic Mixer. Journal of Lightwave Technology, 2016, 34, 4744-4750.	2.7	16
63	Impact of unpredictability on chaos synchronization of vertical-cavity surface-emitting lasers with variable-polarization optical feedback. Optics Letters, 2011, 36, 3497.	1.7	15
64	High Bit Rate Fiber-Optic Transmission Using a Four-Chaotic-Semiconductor-Laser Scheme. IEEE Photonics Technology Letters, 2012, 24, 1072-1074.	1.3	15
65	Numerical characterization of time delay signature in chaotic vertical-cavity surface-emitting lasers with optical feedback. Optics Communications, 2012, 285, 3837-3848.	1.0	14
66	Plasmonic Filter Using Metal-Insulator-Metal Waveguide with Phase Shifts and its Transmission Characteristics. Plasmonics, 2014, 9, 887-892.	1.8	14
67	High-Efficiency Photonic Microwave Downconversion With Full-Frequency-Range Coverage. IEEE Photonics Journal, 2015, 7, 1-7.	1.0	14
68	Photonic Generation of Microwave Frequency Shift Keying Signal Using a Polarization Maintaining FBG. IEEE Photonics Journal, 2018, 10, 1-8.	1.0	14
69	Enhanced phase-sensitive OTDR system with pulse width modulation Brillouin amplification. Optics Express, 2018, 26, 23714.	1.7	14
70	Dispersion Compensation in Analog Photonic Link Utilizing a Phase Modulator. Journal of Lightwave Technology, 2014, 32, 4642-4647.	2.7	13
71	Adaptive linearized microwave downconversion utilizing a single dual-electrode Machâ€“Zehnder modulator. Optics Letters, 2015, 40, 2649.	1.7	13
72	Cluster Synchronization of Coupled Semiconductor Lasers Network With Complex Topology. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	1.9	13

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73	Ultrafast and Accurate Temperature Extraction via Kernel Extreme Learning Machine for BOTDA Sensors. Journal of Lightwave Technology, 2021, 39, 1537-1543.	2.7	13
74	Covert wireless communication using massive optical comb channels for deep denoising. Photonics Research, 2021, 9, 1124.	3.4	13
75	Photonic generation of binary and quaternary phase-coded microwave signals by utilizing a dual-polarization dual-parallel Mach-Zehnder modulator. Optics Express, 2018, 26, 28013.	1.7	13
76	Chirped fiber tip Fabryâ€“Perot interferometer. Optics Letters, 2017, 42, 3474.	1.7	12
77	2-D quantization scheme utilizing SOFM neural network clustering for a DRoF system. Optics Letters, 2018, 43, 4663.	1.7	12
78	Temperature-insensitive curvature sensor based on Bragg gratings written in strongly coupled multicore fiber. Optics Letters, 2021, 46, 3933.	1.7	12
79	Optoelectronic oscillator for 5G wireless networks and beyond. Journal Physics D: Applied Physics, 2021, 54, 423002.	1.3	12
80	Isochronous cluster synchronization in delay-coupled VCSEL networks subjected to variable-polarization optical injection with time delay signature suppression. Optics Express, 2019, 27, 33369.	1.7	12
81	Stable period-one oscillations in a semiconductor laser under optical feedback from a narrowband fiber Bragg grating. Optics Express, 2020, 28, 21286.	1.7	12
82	Deep learning based pulse prediction of nonlinear dynamics in fiber optics. Optics Express, 2021, 29, 44080.	1.7	11
83	Photonic approach to microwave frequency measurement with digital circular-code results. Optics Express, 2011, 19, 20580.	1.7	10
84	Bandwidth and unpredictability properties of semiconductor ring lasers with chaotic optical injection. Optics and Laser Technology, 2013, 53, 45-50.	2.2	10
85	Parity-Time Symmetric Optoelectronic Oscillator Based on an Integrated Mode-Locked Laser. IEEE Journal of Quantum Electronics, 2021, 57, 1-9.	1.0	10
86	Optically functionalized microfiber Bragg grating for RH sensing. Optics Letters, 2019, 44, 4646.	1.7	10
87	Low-Complexity Adaptive Frequency-Domain Nonlinear Equalization for Analog RoF Mobile Fronthaul Using FFT/IFFT-Assisted Channel Aggregation. Journal of Lightwave Technology, 2022, 40, 1072-1082.	2.7	10
88	Fading-Free Î¦-OTDR With Multi-Frequency Decomposition. IEEE Sensors Journal, 2022, 22, 2160-2166.	2.4	10
89	Dispersion-Induced-Loss-Independent Photonic Instantaneous Frequency Measurement Using Remote-Fiber-Based Tunable Microwave Filter. IEEE Photonics Technology Letters, 2010, 22, 1090-1092.	1.3	9
90	Proposal and Demonstration of Subcarrier Index Modulation OFDM for RoF System With Enhanced Spectral Efficiency. Journal of Lightwave Technology, 2018, 36, 4501-4506.	2.7	9

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91	Photonic-Assisted Intrapulse Parameters Measurement of Complex Microwave Signals. Journal of Lightwave Technology, 2018, 36, 3633-3644.	2.7	9
92	A $2q$-Order Difference-Set Approach to Eliminate Phase Ambiguity of a Single-Frequency Signal. IEEE Signal Processing Letters, 2019, 26, 1526-1530.	2.1	9
93	Photonic Generation of Multilevel Frequency-Hopping Microwave Signal. IEEE Photonics Journal, 2019, 11, 1-7.	1.0	9
94	A WDM-PON compatible wavelength-reused bidirectional in-band full-duplex radio-over-fiber system. Optics Communications, 2020, 463, 125408.	1.0	9
95	Ultracompact silicon polarization splitter-rotator using a dual-etched and tapered coupler. Applied Optics, 2020, 59, 9540.	0.9	9
96	Two-Dimensional Power Allocation for Optical MIMO-OFDM Systems Over Low-Pass Channels. IEEE Transactions on Vehicular Technology, 2022, 71, 7244-7257.	3.9	9
97	Enhanced chaotic communication in VCSELs with variable-polarization optical feedback and polarization-preserved optical injection. Optics Communications, 2012, 285, 5293-5301.	1.0	8
98	Transmission of three-polarization-multiplexed 25-Gb/s DPSK signals over 300-km fiber link. Optics Letters, 2016, 41, 1620.	1.7	8
99	Photonic Generation of Multicarrier Phase-Coded Microwave Signals Utilizing Polarization Manipulation. IEEE Photonics Journal, 2018, 10, 1-8.	1.0	8
100	Integrated Microwave Photonics: A Multifunctional Photonic Integrated Circuit for Diverse Microwave Signal Generation, Transmission, and Processing (Laser Photonics Rev. 13(6)/2019). Laser and Photonics Reviews, 2019, 13, 1970027.	4.4	8
101	Wideband Frequency-Tunable Parity-Time Symmetric Optoelectronic Oscillator Based on Hybrid Phase and Intensity Modulations. Journal of Lightwave Technology, 2020, 38, 5406-5411.	2.7	8
102	Multipoint stable radio frequency long distance transmission over fiber based on tree topology, with user fairness and deployment flexibility. Optics Express, 2020, 28, 23874.	1.7	8
103	Polarization-Insensitive and Broadband Optical Power Splitter With a Tunable Power Splitting Ratio. IEEE Photonics Journal, 2017, 9, 1-9.	1.0	7
104	Fast Tunable Photonic Single-Bandpass RF Filter With Multiple Arbitrary Switching Flat-Top Passbands. Journal of Lightwave Technology, 2018, 36, 4583-4590.	2.7	7
105	Wideband and Ambiguous-Free RF Channelizer Assisted Jointly by Spacing and Profile of Optical Frequency Comb. IEEE Photonics Journal, 2020, 12, 1-11.	1.0	7
106	Performance Upgradation of Microwave Photonic Filtering Interrogation Using Gaussian Process Regression. Journal of Lightwave Technology, 2021, 39, 7682-7688.	2.7	7
107	Angled fiber-based Fabryâ€“Perot interferometer. Optics Letters, 2020, 45, 292.	1.7	7
108	Flat-top and ultranarrow bandpass filter designed by sampled fiber Bragg grating with multiple equivalent phase shifts. Applied Optics, 2009, 48, 691.	2.1	6

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109	Photonic generation of microwave signals with tunabilities. Science Bulletin, 2014, 59, 2672-2683.	1.7	6
110	Optimizing chaos time-delay signature in two mutually-coupled semiconductor lasers through controlling internal parameters. Modern Physics Letters B, 2017, 31, 1750106.	1.0	6
111	Multiple-Channel Plasmonic Filter Based on Metal-Insulator-Metal Waveguide and Fractal Theory. Plasmonics, 2017, 12, 1589-1594.	1.8	6
112	Four-Element Array for GNSS Attitude Determination Using IRLS: An Improved Rounding of Long-Short Baseline Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 4920-4934.	3.9	6
113	Photonic-Assisted Multipath Self-Interference Cancellation for Wideband MIMO Radio-Over-Fiber Transmission. Journal of Lightwave Technology, 2022, 40, 462-469.	2.7	6
114	Distributed dynamic strain sensing in coherent Î¦-OTDR with a pulse conversion algorithm. Optics Letters, 2021, 46, 1668.	1.7	6
115	Compact RSFQ microwave pulse generator based on an integrated RF module for controlling superconducting qubits. Applied Physics Letters, 2022, 120, .	1.5	6
116	Band-Rejection Feedback for Chaotic Time-Delay Signature Suppression in a Semiconductor Laser. IEEE Photonics Journal, 2022, 14, 1-8.	1.0	6
117	Photonic Microwave Frequency Measurement With High-Coding-Efficiency Digital Outputs and Large Measurement Range. IEEE Photonics Journal, 2013, 5, 5501906-5501906.	1.0	5
118	A Transmission Model of Analog Signals in Photonic Links. IEEE Photonics Journal, 2014, 6, 1-13.	1.0	5
119	Influence of statistical distribution properties on ultrafast random-number generation using chaotic semiconductor lasers. Optik, 2014, 125, 3555-3558.	1.4	5
120	Concealment of Chaos Time-Delay Signature Through Phase-Conjugate Feedback and Chaos Optical Injection. IEEE Photonics Journal, 2017, 9, 1-8.	1.0	5
121	Tunable microwave photonic duplexer for full-duplex radio-over-fiber access. Optics Express, 2017, 25, 4145.	1.7	5
122	Strongly coupled multicore fiber with FBGs for multipoint and multiparameter sensing. Optical Fiber Technology, 2020, 58, 102315.	1.4	5
123	Photonic Approach for Generation and Fast Switching of Binary Digitally Modulated RF Signals. IEEE Photonics Journal, 2020, 12, 1-8.	1.0	5
124	Photonic arbitrary waveform generation based on the temporal Talbot effect. Optics Express, 2021, 29, 16927.	1.7	5
125	Common-injection-induced isolated desynchronization in delay-coupled VCSELs networks with variable-polarization optical feedback. Optics Letters, 2019, 44, 3845.	1.7	5
126	Generation of Repetition-Rate-Quadrupled Optical Pulse Trains Using a PolM or a Pair of PolMs. IEEE Journal of Quantum Electronics, 2012, 48, 3-7.	1.0	4

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127	Tunable Microwave Photonic Temporal Signal Processor: Differentiator and Integrator. IEEE Photonics Technology Letters, 2013, 25, 2358-2361.	1.3	4
128	Multichannel Narrow, Flat-Top Optical Filters Based on Multiple-Phase-Shifted and Phase Sampled FBG. IEEE Journal of Quantum Electronics, 2017, 53, 1-5.	1.0	4
129	Simplified demultiplexing scheme for two PDM-IM/DD systems utilizing a single Stokes analyzer over 25-km SMF. Optics Letters, 2017, 42, 4071.	1.7	4
130	Through-Fiber Drawing of Microwires: An Online Photonic Bridge. Journal of Lightwave Technology, 2018, 36, 5556-5561.	2.7	4
131	Fiber-Optic Viscometer With All-Fiber Acousto-Optic Superlattice Modulated Structure. Journal of Lightwave Technology, 2018, 36, 4123-4128.	2.7	4
132	Stable Radio Frequency Transmission of Single Optical Source Over Fiber Based on Passive Phase Compensation. IEEE Photonics Journal, 2021, 13, 1-7.	1.0	4
133	Improving spectral efficiency of digital radio-over-fiber transmission using two-dimensional discrete cosine transform with vector quantization. Optics Express, 2021, 29, 25868.	1.7	4
134	Independently Synchronizable Groups in Networks of Delay-Coupled Semiconductor Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-6.	1.9	4
135	Non-iterative blind linearization algorithm for DML-based multi-IF-over-fiber mobile fronthaul systems. Optics Letters, 2019, 44, 3901.	1.7	4
136	Processing-Speed Enhancement in a Delay-Laser-Based Reservoir Computer by Optical Injection. Photonics, 2022, 9, 240.	0.9	4
137	Synthesis of Fiber Bragg Gratings With Arbitrary Stationary Power/Field Distribution. IEEE Journal of Quantum Electronics, 2014, 50, 186-197.	1.0	3
138	Tunable photonic radiofrequency filter with complementary bandpass and bandstop responses. Optics Letters, 2017, 42, 3129.	1.7	3
139	Widely tunable parity-time symmetric optoelectronic oscillator based on a polarization modulator. , 2019, , .		3
140	Improving Performance of Digital Mobile Fronthaul Employing 2-D Vector Quantization With Vector Linear Prediction. IEEE Photonics Journal, 2019, 11, 1-11.	1.0	3
141	High-performance ultra-compact polarization splitter-rotators based on dual-etching and tapered asymmetrical directional coupler. Chinese Optics Letters, 2021, 19, 121301.	1.3	3
142	RoF distributed antenna architectureâ€“ and reinforcement learningâ€“empowered real-time EMI immunity for highly reliable railway communication. Optics Express, 2021, 29, 32333.	1.7	3
143	60-GHz photonic millimeter-wave joint radar-communication system. , 2021, , .		3
144	Optical frequency comb assisted denoising for multiple access and capacity enhancement of covert wireless communication. Optics Letters, 2022, 47, 1442.	1.7	3

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145	Modeling pulse propagation in fiber optical parametric amplifier by a long short-term memory network. Optik, 2022, 260, 169125.	1.4	3
146	Optical pulse compression using the combination of phase modulation and high-order dispersion compensation. Optical Review, 2010, 17, 454-458.	1.2	2
147	Wavelength Demodulation Approach Based on Dispersion-Induced Microwave Power Fading for Optical Sensor. IEEE Sensors Journal, 2012, 12, 1267-1271.	2.4	2
148	All-optical processing to optical and radio frequency (RF) signals. Science Bulletin, 2015, 60, 2151-2153.	4.3	2
149	Investigation on electromagnetic environment of radio-over-fiber-based broadband wireless access scheme in aircraft cabin. Journal of Electromagnetic Waves and Applications, 2015, 29, 1767-1775.	1.0	2
150	Simultaneous transmission of frequency-doubling vector signal and low-radiofrequency signal over RoF link free of inter-band beating interferences. , 2017, , .		2
151	An Explicit Non-Malleable Extraction Scheme for Quantum Randomness Amplification With Two Untrusted Devices. IEEE Communications Letters, 2018, 22, 85-88.	2.5	2
152	Fast Self-Adaptive Generic Digital Linearization for Analog Microwave Photonic Systems. Journal of Lightwave Technology, 2021, 39, 7894-7907.	2.7	2
153	Photonics-assisted direction-of-arrival estimation of electromagnetic interference for GSM-R system in high-speed railways. Optical Engineering, 2019, 58, 1.	0.5	2
154	Extended long-short ambiguity resolution in multi-antenna GNSS-over-fiber systems for enhanced attitude determination. Optics Express, 2019, 27, 34721.	1.7	2
155	Mode hopping and polarization switching of mutually coupled vertical-cavity surface-emitting lasers. Science in China Series F: Information Sciences, 2008, 51, 592-598.	1.1	1
156	Analysis of reflection-peak wavelengths of sampled fiber Bragg gratings with large chirp. Applied Optics, 2008, 47, 4729.	2.1	1
157	Photonic-assisted chirped microwave pulses generation with a flexible and fine parameter manipulation. Optics Express, 2016, 24, 19592.	1.7	1
158	Pulse repetition rate doubling in FM actively mode-locked fiber-optic parametric oscillator. Optics Express, 2016, 24, 30079.	1.7	1
159	Simplified photonic-assisted digitalized microwave frequency measurement with improved coding efficiency and sensitivity. Optics Communications, 2016, 373, 105-109.	1.0	1
160	Enhanced performance for differential detection in coherent Brillouin optical time-domain analysis sensors. Optical Engineering, 2016, 55, 117101.	0.5	1
161	Proposal and demonstration of SIM-OFDM based radio-over-fiber system. , 2017, , .		1
162	Phase-shift assisted OFDM-RoF transmission employing optical heterodyning. , 2017, , .		1

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163	Arbitrary Spectral Synthesis and Waveform Generation With HiBi Fiber Loop Mirrors. IEEE Photonics Technology Letters, 2018, 30, 943-946.	1.3	1
164	Vector linear prediction based two-dimensional quantization for digitized radio-over-fiber system. , 2018, , .		1
165	Light-Induced Waveguide With Directional Transmission. IEEE Photonics Journal, 2019, 11, 1-8.	1.0	1
166	Multi-Antenna GNSS-Over-Fiber Architecture for Extensive Remote Multi-Baseline Network. IEEE Photonics Journal, 2020, 12, 1-10.	1.0	1
167	Instantaneous Frequency Measurement with Digital Outputs Based on An Optical Filter Array. , 2011, , .		1
168	Temperature-insensitive 2D tilt sensor based on a multifiber bundle. , 2020, , .		1
169	Photonic-Assisted Modulation Format Identification for RF Signals under Low Sampling Rate. Journal of Lightwave Technology, 2022, 40, 6823-6830.	2.7	1
170	Generation of repetitionâ€rateâ€doubled returnâ€toâ€zero pulse train using phase modulator and chirped fiber bragg grating. Microwave and Optical Technology Letters, 2010, 52, 2796-2798.	0.9	0
171	Novel approach for microwave frequency measurement based on optical power monitoring. , 2010, , .		0
172	Photonic approach with multiple FSRs for instantaneous frequency measurement. , 2011, , .		0
173	Frequency-doubling optoelectronic oscillator using carrier suppression and Brillouin-gain-assisted carrier recovery. , 2012, , .		0
174	Duplex chaotic message tranmission using polarization mode carriers in small networks of three chaotic vertical-cavity surface-emitting lasers. , 2013, , .		0
175	Capability Limitations for Slow Light Using Vertical-Cavity Surface-Emitting Laser Amplifier. IEEE Photonics Technology Letters, 2013, 25, 903-906.	1.3	0
176	Photonic Microwave Channelizer with Improved Channel Characteristics Based on Spectrum-Controlled Stimulated Brillouin Scattering. , 2013, , .		0
177	Actively mode-locked fiber optical parametric oscillator based on feedback idler. , 2013, , .		0
178	Tropospheric error correction in passive location systems based distributed fiber sensor array. , 2013, , .		0
179	Photonic quaternary phase-shift keying signal generation at the millimeter-wave frequency band. , 2014, , .		0
180	Spurious Noises Analysis of Microwave Photonic Filters Based on Phase Modulation to Intensity Modulation Conversion Using an Optical Notch Filter. Journal of Lightwave Technology, 2014, 32, 3846-3853.	2.7	0

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