

# Lianshan Yan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4135525/publications.pdf>

Version: 2024-02-01

250  
papers

4,232  
citations

109321

35  
h-index

168389

53  
g-index

252  
all docs

252  
docs citations

252  
times ranked

2766  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photonic-Assisted Multipath Self-Interference Cancellation for Wideband MIMO Radio-Over-Fiber Transmission. <i>Journal of Lightwave Technology</i> , 2022, 40, 462-469.	4.6	6
2	Independently Synchronizable Groups in Networks of Delay-Coupled Semiconductor Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2022, 28, 1-6.	2.9	4
3	Low-Complexity Adaptive Frequency-Domain Nonlinear Equalization for Analog RoF Mobile Fronthaul Using FFT/IFFT-Assisted Channel Aggregation. <i>Journal of Lightwave Technology</i> , 2022, 40, 1072-1082.	4.6	10
4	Photonic Millimeter-Wave Joint Radar Communication System Using Spectrum-Spreading Phase-Coding. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022, 70, 1552-1561.	4.6	30
5	Microwave photonic link to transmit four microwave vector signals on a single optical carrier based on coherent detection and digital signal processing. <i>Optics Express</i> , 2022, 30, 6690.	3.4	5
6	Fading-Free $\hat{I}$ -OTDR With Multi-Frequency Decomposition. <i>IEEE Sensors Journal</i> , 2022, 22, 2160-2166.	4.7	10
7	Intelligent Optical Performance Monitoring Based on Intensity and Differential-Phase Features for Digital Coherent Receivers. <i>Journal of Lightwave Technology</i> , 2022, 40, 3592-3601.	4.6	8
8	Optical frequency comb assisted denoising for multiple access and capacity enhancement of covert wireless communication. <i>Optics Letters</i> , 2022, 47, 1442.	3.3	3
9	Two-Dimensional Power Allocation for Optical MIMO-OFDM Systems Over Low-Pass Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 7244-7257.	6.3	9
10	Overcoming acoustic crosstalk in the BOTDA sensor with a bidirectional frequency-modulated probe. <i>Optics Express</i> , 2022, 30, 11306.	3.4	3
11	A wideband and high-gain fully metallic lens antenna for terahertz applications. <i>Electronics Letters</i> , 2022, 58, 337-339.	1.0	3
12	Band-Rejection Feedback for Chaotic Time-Delay Signature Suppression in a Semiconductor Laser. <i>IEEE Photonics Journal</i> , 2022, 14, 1-8.	2.0	6
13	Chaotic optical communications at 56 Gbit/s over 100-km fiber transmission based on a chaos generation model driven by long short-term memory networks. <i>Optics Letters</i> , 2022, 47, 2382.	3.3	33
14	Isochronous synchronization induced by topological heterogeneity in semiconductor laser networks. <i>Optics and Laser Technology</i> , 2022, 153, 108243.	4.6	0
15	Long-Range High-Spatial-Resolution Distributed Measurement by a Wideband Brillouin Amplification-Boosted BOCDA. <i>Journal of Lightwave Technology</i> , 2022, 40, 5743-5751.	4.6	4
16	Photonic-Assisted Modulation Format Identification for RF Signals under Low Sampling Rate. <i>Journal of Lightwave Technology</i> , 2022, 40, 6823-6830.	4.6	1
17	Millimeter-wave joint radar and communication system based on photonic frequency-multiplying constant envelope LFM-OFDM. <i>Optics Express</i> , 2022, 30, 26407.	3.4	18
18	Incoherent Rayleigh scattering noise depression for single laser stable radio frequency transmission. <i>IEEE Photonics Technology Letters</i> , 2022, , 1-1.	2.5	0

#	ARTICLE	IF	CITATIONS
19	Suppression of the Interference Fading in Phase-Sensitive OTDR With Phase-Shift Transform. Journal of Lightwave Technology, 2021, 39, 295-302.	4.6	37
20	Performance Upgradation of Microwave Photonic Filtering Interrogation Using Gaussian Process Regression. Journal of Lightwave Technology, 2021, 39, 7682-7688.	4.6	7
21	Fast Self-Adaptive Generic Digital Linearization for Analog Microwave Photonic Systems. Journal of Lightwave Technology, 2021, 39, 7894-7907.	4.6	2
22	Phase fluctuation cancellation for coherent-detection BOTDA fiber sensors based on optical subcarrier multiplexing. Optics Letters, 2021, 46, 757.	3.3	5
23	Stable Radio Frequency Transmission of Single Optical Source Over Fiber Based on Passive Phase Compensation. IEEE Photonics Journal, 2021, 13, 1-7.	2.0	4
24	Ultrafast and Accurate Temperature Extraction via Kernel Extreme Learning Machine for BOTDA Sensors. Journal of Lightwave Technology, 2021, 39, 1537-1543.	4.6	13
25	Distributed dynamic strain sensing in coherent $\hat{I}$ -OTDR with a pulse conversion algorithm. Optics Letters, 2021, 46, 1668.	3.3	6
26	Integrated Components and Solutions for High-Speed Short-Reach Data Transmission. Photonics, 2021, 8, 77.	2.0	5
27	Frequency splicing code-based Brillouin optical time domain collider for fast dynamic measurement. Optics Express, 2021, 29, 12478.	3.4	0
28	Parity-Time Symmetric Optoelectronic Oscillator Based on an Integrated Mode-Locked Laser. IEEE Journal of Quantum Electronics, 2021, 57, 1-9.	1.9	10
29	Trading off security and practicability to explore high-speed and long-haul chaotic optical communication. Optics Express, 2021, 29, 12750.	3.4	27
30	Covert wireless communication using massive optical comb channels for deep denoising. Photonics Research, 2021, 9, 1124.	7.0	13
31	Recent progress of integrated circuits and optoelectronic chips. Science China Information Sciences, 2021, 64, 1.	4.3	56
32	Instability of optical phase synchronization between chaotic semiconductor lasers. Optics Letters, 2021, 46, 2824.	3.3	9
33	DWI-Assisted BOTDA for Dynamic Sensing. Journal of Lightwave Technology, 2021, 39, 3599-3606.	4.6	1
34	Improving spectral efficiency of digital radio-over-fiber transmission using two-dimensional discrete cosine transform with vector quantization. Optics Express, 2021, 29, 25868.	3.4	4
35	Dynamic strain measurement based on ultrafast Brillouin collision in the correlation domain. Optics Letters, 2021, 46, 3488.	3.3	5
36	56-Gbit/s PAM-4 Optical Signal Transmission Over 100-km SMF Enabled by TCNN Regression Model. IEEE Photonics Journal, 2021, 13, 1-6.	2.0	11

#	ARTICLE	IF	CITATIONS
37	Overcoming EDFA slow transient effect in a Golay-coded BOTDA sensor by a distributed depletion mapping method. <i>Optics Express</i> , 2021, 29, 27340.	3.4	6
38	Digitally Programmable Optical Frequency Combs With Binary Phase Distribution and Flat Envelope. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 792-795.	2.5	0
39	0.75â€‰Gbit/s high-speed classical key distribution with mode-shift keying chaos synchronization of Fabryâ€‰Perot lasers. <i>Light: Science and Applications</i> , 2021, 10, 172.	16.6	42
40	RoF distributed antenna architectureâ€‰ and reinforcement learningâ€‰empowered real-time EMI immunity for highly reliable railway communication. <i>Optics Express</i> , 2021, 29, 32333.	3.4	3
41	Hybrid aperiodic coding for SNR improvement in a BOTDA fiber sensor. <i>Optics Express</i> , 2021, 29, 33926.	3.4	9
42	A High Spectral Efficiency Radio Over Fiber Link Based on Coherent Detection and Digital Phase Noise Cancellation. <i>Journal of Lightwave Technology</i> , 2021, 39, 6443-6449.	4.6	9
43	CPDWI-assisted BOTDA for fast dynamic strain measurements. , 2021, , .		0
44	60-GHz photonic millimeter-wave joint radar-communication system. , 2021, , .		3
45	Deep learning based pulse prediction of nonlinear dynamics in fiber optics. <i>Optics Express</i> , 2021, 29, 44080.	3.4	11
46	Radio Over Fiber Links With Increased Spectral Efficiency Based on Coherent Detection and Digital Processing. , 2021, , .		1
47	Fine Tunable PT-Symmetric Optoelectronic Oscillator Based on Laser Wavelength Tuning. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 47-50.	2.5	20
48	Photonic-Assisted Leakage Cancellation for Wideband Frequency Modulation Continuous-Wave Radar Transceiver. <i>Journal of Lightwave Technology</i> , 2020, 38, 1178-1183.	4.6	18
49	Transmission performance of the simplified receiver for $2\sqrt{2}$ -PDM-PAM, CAP and DMT signals. <i>Optics Communications</i> , 2020, 474, 126159.	2.1	0
50	Photonic Approach for Generation and Fast Switching of Binary Digitally Modulated RF Signals. <i>IEEE Photonics Journal</i> , 2020, 12, 1-8.	2.0	5
51	Multi-Antenna GNSS-Over-Fiber Architecture for Extensive Remote Multi-Baseline Network. <i>IEEE Photonics Journal</i> , 2020, 12, 1-10.	2.0	1
52	Wideband Frequency-Tunable Parity-Time Symmetric Optoelectronic Oscillator Based on Hybrid Phase and Intensity Modulations. <i>Journal of Lightwave Technology</i> , 2020, 38, 5406-5411.	4.6	8
53	Frequency Response Enhancement of Phase-Sensitive OTDR for Interrogating Weak Reflector Array by Using OFDM and Vernier Effect. <i>Journal of Lightwave Technology</i> , 2020, 38, 4874-4882.	4.6	24
54	Phase Demodulation Based on DCM Algorithm in $\hat{1}$ -OTDR With Self-Interference Balance Detection. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 473-476.	2.5	27

#	ARTICLE	IF	CITATIONS
55	A WDM-PON compatible wavelength-reused bidirectional in-band full-duplex radio-over-fiber system. Optics Communications, 2020, 463, 125408.	2.1	9
56	Wideband and Ambiguous-Free RF Channelizer Assisted Jointly by Spacing and Profile of Optical Frequency Comb. IEEE Photonics Journal, 2020, 12, 1-11.	2.0	7
57	Ultracompact silicon polarization splitter-rotator using a dual-etched and tapered coupler. Applied Optics, 2020, 59, 9540.	1.8	9
58	Blind optical modulation format identification assisted by signal intensity fluctuation for autonomous digital coherent receivers. Optics Express, 2020, 28, 302.	3.4	10
59	Enhanced range of the dynamic strain measurement in phase-sensitive OTDR with tunable sensitivity. Optics Express, 2020, 28, 226.	3.4	42
60	Brillouin optical time domain collider for fast dynamic sensing. Optics Express, 2020, 28, 3965.	3.4	4
61	Stable period-one oscillations in a semiconductor laser under optical feedback from a narrowband fiber Bragg grating. Optics Express, 2020, 28, 21286.	3.4	12
62	High-speed physical key distribution based on dispersion-shift-keying chaos synchronization in commonly driven semiconductor lasers without external feedback. Optics Express, 2020, 28, 37919.	3.4	13
63	Photonic approach for the generation of switchable down-, up-, and dual-chirped linear frequency-modulated microwave signals. Optics Letters, 2020, 45, 1990.	3.3	18
64	Scheme of coherent optical chaos communication. Optics Letters, 2020, 45, 4762.	3.3	57
65	Ultracompact silicon polarization splitter-rotator using dual-etched and tapered coupler: publisher's note. Applied Optics, 2020, 59, 11273.	1.8	0
66	Multi-octave linearized off-quadrature biased MZM analog optical link using blind digital linearization. , 2020, , .		0
67	Blind Optical Modulation Format Identification Based on Both Intensity and Differential-Phase Density. , 2020, , .		0
68	Multipoint stable radio frequency long distance transmission over fiber based on tree topology, with user fairness and deployment flexibility. Optics Express, 2020, 28, 23874.	3.4	8
69	A modified artificial bee colony algorithm for load balancing in network-coding-based multicast. Soft Computing, 2019, 23, 6287-6305.	3.6	8
70	An Effective Modulation Format Identification Based on Intensity Profile Features for Digital Coherent Receivers. Journal of Lightwave Technology, 2019, 37, 5067-5075.	4.6	24
71	Widely tunable parity-time symmetric optoelectronic oscillator based on a polarization modulator. , 2019, , .		3
72	OSNR Monitoring Using Support Vector Ordinal Regression for Digital Coherent Receivers. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	4

#	ARTICLE	IF	CITATIONS
73	A $2q$ -Order Difference-Set Approach to Eliminate Phase Ambiguity of a Single-Frequency Signal. IEEE Signal Processing Letters, 2019, 26, 1526-1530.	3.6	9
74	Efficient Demodulation of Brillouin Phase Spectra and Performance Enhancement in BOTDA Incorporating Phase Noise Elimination. Journal of Lightwave Technology, 2019, 37, 4308-4314.	4.6	2
75	Angle-of-Arrival Estimation of Microwave Signals Based on Optical Phase Scanning. Journal of Lightwave Technology, 2019, 37, 6048-6053.	4.6	23
76	A Multifunctional Photonic Integrated Circuit for Diverse Microwave Signal Generation, Transmission, and Processing. Laser and Photonics Reviews, 2019, 13, 1800240.	8.7	42
77	Cluster Synchronization of Coupled Semiconductor Lasers Network With Complex Topology. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	2.9	13
78	Light-Induced Waveguide With Directional Transmission. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	1
79	Improving Performance of Digital Mobile Fronthaul Employing 2-D Vector Quantization With Vector Linear Prediction. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	3
80	Photonic Generation of Multilevel Frequency-Hopping Microwave Signal. IEEE Photonics Journal, 2019, 11, 1-7.	2.0	9
81	Bandwidth-efficient subcarrier multiplexing radio-over-fiber system based on independent-sideband modulation. , 2019, , .		0
82	Photonics-assisted direction-of-arrival estimation of electromagnetic interference for GSM-R system in high-speed railways. Optical Engineering, 2019, 58, 1.	1.0	2
83	Simultaneous demultiplexing of 2 $\lambda$ -PDM-PAM4 signals using simplified receiver. Optics Express, 2019, 27, 1869.	3.4	9
84	Modulation format identification and OSNR monitoring using density distributions in Stokes axes for digital coherent receivers. Optics Express, 2019, 27, 4471.	3.4	53
85	Photonic approach for simultaneous measurements of Doppler-frequency-shift and angle-of-arrival of microwave signals. Optics Express, 2019, 27, 8709.	3.4	41
86	Polarization push-pull effect-based gain fluctuation elimination in Golay-BOTDA. Optics Express, 2019, 27, 29439.	3.4	6
87	Isochronous cluster synchronization in delay-coupled VCSEL networks subjected to variable-polarization optical injection with time delay signature suppression. Optics Express, 2019, 27, 33369.	3.4	12
88	Overcoming EDFA slow transient effects in a combined Golay coding and coherent detection BOTDA sensor. Optics Express, 2019, 27, 38220.	3.4	5
89	Low-loss broadband 5 $\times$ 5 non-blocking Si <sub>3</sub> N <sub>4</sub> optical switch matrix. Optics Letters, 2019, 44, 2629.	3.3	19
90	Optically functionalized microfiber Bragg grating for RH sensing. Optics Letters, 2019, 44, 4646.	3.3	10

#	ARTICLE	IF	CITATIONS
91	Hybrid polarization pulling and pushing effects for eliminating Brillouin gain fluctuation in Golay-coded BOTDA sensor. , 2019, , .		2
92	Common-injection-induced isolated desynchronization in delay-coupled VCSELs networks with variable-polarization optical feedback. Optics Letters, 2019, 44, 3845.	3.3	5
93	Non-iterative blind linearization algorithm for DML-based multi-IF-over-fiber mobile fronthaul systems. Optics Letters, 2019, 44, 3901.	3.3	4
94	Extended long-short ambiguity resolution in multi-antenna GNSS-over-fiber systems for enhanced attitude determination. Optics Express, 2019, 27, 34721.	3.4	2
95	Photonic Generation of Microwave Frequency Shift Keying Signal Using a Polarization Maintaining FBG. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	14
96	Chromatic Dispersion, Nonlinear Parameter, and Modulation Format Monitoring Based on Godard's Error for Coherent Optical Transmission Systems. IEEE Photonics Journal, 2018, 10, 1-12.	2.0	18
97	An Explicit Non-Malleable Extraction Scheme for Quantum Randomness Amplification With Two Untrusted Devices. IEEE Communications Letters, 2018, 22, 85-88.	4.1	2
98	K-Nearest Neighbor Detector for Enhancing Performance of Optical Phase Conjugation System in the Presence of Nonlinear Phase Noise. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	1
99	Proposal and Demonstration of Subcarrier Index Modulation OFDM for RoF System With Enhanced Spectral Efficiency. Journal of Lightwave Technology, 2018, 36, 4501-4506.	4.6	9
100	Arbitrary Spectral Synthesis and Waveform Generation With HiBi Fiber Loop Mirrors. IEEE Photonics Technology Letters, 2018, 30, 943-946.	2.5	1
101	Microwave Photonics for Featured Applications in High-Speed Railways: Communications, Detection, and Sensing. Journal of Lightwave Technology, 2018, 36, 4337-4346.	4.6	78
102	Phase Fluctuation Cancellation for Uplink Radar Arrays Based on Passive Frequency Mixing. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	7
103	Superresolution Focusing Using Metasurface with Circularly Arranged Nanoantennas. Plasmonics, 2018, 13, 147-153.	3.4	9
104	Transmission Performance of 112-Gb/s PDM-PAM4 Signal over Unrepeated Raman-amplified Link. , 2018, , .		0
105	Signal Processing in Optical Fiber Sensor Networks. , 2018, , .		1
106	Blind Modulation Format Identification Based on Fourier Fitting for Coherent Receivers. , 2018, , .		0
107	Through-Fiber Drawing of Microwires: An Online Photonic Bridge. Journal of Lightwave Technology, 2018, 36, 5556-5561.	4.6	4
108	Vector linear prediction based two-dimensional quantization for digitized radio-over-fiber system. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
109	Robust and Blind Modulation Format Identification for Elastic Optical Networks. , 2018, , .		6
110	Photonic Generation of Multicarrier Phase-Coded Microwave Signals Utilizing Polarization Manipulation. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	8
111	Hybrid Golay-coded Brillouin optical time-domain analysis based on differential pulses. Optics Letters, 2018, 43, 4574.	3.3	15
112	2-D quantization scheme utilizing SOFM neural network clustering for a DRoF system. Optics Letters, 2018, 43, 4663.	3.3	12
113	JSSTR: A Joint Server Selection and Traffic Routing Algorithm for the Software-Defined Data Center. Applied Sciences (Switzerland), 2018, 8, 1478.	2.5	1
114	Fast Tunable Photonic Single-Bandpass RF Filter With Multiple Arbitrary Switching Flat-Top Passbands. Journal of Lightwave Technology, 2018, 36, 4583-4590.	4.6	7
115	Photonic-Assisted Intrapulse Parameters Measurement of Complex Microwave Signals. Journal of Lightwave Technology, 2018, 36, 3633-3644.	4.6	9
116	Blind Density-Peak-Based Modulation Format Identification for Elastic Optical Networks. Journal of Lightwave Technology, 2018, 36, 2850-2858.	4.6	43
117	Ultra-high speed RF filtering switch based on stimulated Brillouin scattering. Optics Letters, 2018, 43, 279.	3.3	21
118	Fully digital programmable optical frequency comb generation and application. Optics Letters, 2018, 43, 283.	3.3	50
119	Stokes Space Modulation Format Identification for Optical Signals Using Probabilistic Neural Network. IEEE Photonics Journal, 2018, 10, 1-13.	2.0	10
120	Temperature and Strain Discrimination in BOTDA Fiber Sensor by Utilizing Dispersion Compensating Fiber. IEEE Sensors Journal, 2018, 18, 7100-7105.	4.7	18
121	Polarization division multiplexing pulse coding for eliminating the effect of polarization pulling in Golay-coded BOTDA fiber sensor. Optics Express, 2018, 26, 19686.	3.4	15
122	Fiber-Optic Viscometer With All-Fiber Acousto-Optic Superlattice Modulated Structure. Journal of Lightwave Technology, 2018, 36, 4123-4128.	4.6	4
123	Polarization-Insensitive and Tunable Silicon Mach-Zehnder Wavelength Filters With Flat Transmission Passband. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	10
124	Enhanced phase-sensitive OTDR system with pulse width modulation Brillouin amplification. Optics Express, 2018, 26, 23714.	3.4	14
125	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.	3.4	13
126	Optimization on Plasmonic Lenses Based on Generation Efficiency of Surface Plasmon Polaritons at Metallic Nanoslit. Plasmonics, 2017, 12, 545-551.	3.4	0

#	ARTICLE	IF	CITATIONS
127	Optimizing chaos time-delay signature in two mutually-coupled semiconductor lasers through controlling internal parameters. <i>Modern Physics Letters B</i> , 2017, 31, 1750106.	1.9	6
128	Image-Free Microwave Photonic Down-Conversion Approach for Fiber-Optic Antenna Remoting. <i>IEEE Journal of Quantum Electronics</i> , 2017, 53, 1-8.	1.9	19
129	SNR Enhancement in Phase-Sensitive OTDR with Adaptive 2-D Bilateral Filtering Algorithm. <i>IEEE Photonics Journal</i> , 2017, 9, 1-10.	2.0	64
130	Polarization-Insensitive and Broadband Optical Power Splitter With a Tunable Power Splitting Ratio. <i>IEEE Photonics Journal</i> , 2017, 9, 1-9.	2.0	7
131	Tunable Photonic Radio-Frequency Filter With a Record High Out-of-Band Rejection. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017, 65, 4502-4512.	4.6	24
132	Multichannel Narrow, Flat-Top Optical Filters Based on Multiple-Phase-Shifted and Phase Sampled FBG. <i>IEEE Journal of Quantum Electronics</i> , 2017, 53, 1-5.	1.9	4
133	Fiber Tip Thermometer. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 1510-1513.	2.5	1
134	Enhanced frequency-domain fractionally spaced equalization for coherent optical transmission system with colored noise. <i>Optical Engineering</i> , 2017, 56, 066116.	1.0	2
135	Multiple-Channel Plasmonic Filter Based on Metal-Insulator-Metal Waveguide and Fractal Theory. <i>Plasmonics</i> , 2017, 12, 1589-1594.	3.4	6
136	A joint fairness-aware and fragmentation-reduction spectrum allocation scheme in elastic optical networks. , 2017, , .		6
137	Simultaneous transmission of frequency-doubling vector signal and low-radiofrequency signal over RoF link free of inter-band beating interferences. , 2017, , .		2
138	SD-HDC: Software-Defined Hybrid Optical/Electrical Data Center Architecture. , 2017, , .		0
139	Phase-shift assisted OFDM-RoF transmission employing optical heterodyning. , 2017, , .		1
140	Broadband optical multi-Tx & multi-Rx module for radio-over-fiber system and traffic demonstration. , 2017, , .		0
141	Concealment of Chaos Time-Delay Signature Through Phase-Conjugate Feedback and Chaos Optical Injection. <i>IEEE Photonics Journal</i> , 2017, 9, 1-8.	2.0	5
142	Tunable microwave photonic duplexer for full-duplex radio-over-fiber access. <i>Optics Express</i> , 2017, 25, 4145.	3.4	5
143	Photonic generation of RF binary digitally modulated signals. <i>Optics Express</i> , 2017, 25, 19043.	3.4	9
144	Simplified demultiplexing scheme for two PDM-IM/DD systems utilizing a single Stokes analyzer over 25-km SMF. <i>Optics Letters</i> , 2017, 42, 4071.	3.3	4

#	ARTICLE	IF	CITATIONS
145	Chirped fiber tip Fabry-Perot interferometer. <i>Optics Letters</i> , 2017, 42, 3474.	3.3	12
146	Self-Mixing Demodulation for Coherent Phase-Sensitive OTDR System. <i>Sensors</i> , 2016, 16, 681.	3.8	36
147	Optical Fiber Temperature and Torsion Sensor Based on Lyot-Sagnac Interferometer. <i>Sensors</i> , 2016, 16, 1774.	3.8	29
148	The Longitudinal Force Measurement of CWR Tracks with Hetero-Cladding FBG Sensors: A Proof of Concept. <i>Sensors</i> , 2016, 16, 2184.	3.8	10
149	Test Verification and Application of a Longitudinal Temperature Force Testing Method for Long Seamless Rails Using FBG Strain Sensor. <i>Journal of Sensors</i> , 2016, 2016, 1-11.	1.1	2
150	Longitudinal force measurement in continuous welded rail with bi-directional FBG strain sensors. <i>Smart Materials and Structures</i> , 2016, 25, 015019.	3.5	26
151	Wideband Microwave Doppler Frequency Shift Measurement and Direction Discrimination Using Photonic I/Q Detection. <i>Journal of Lightwave Technology</i> , 2016, 34, 4639-4645.	4.6	36
152	High resolution refractive index sensing with dual-wavelength fiber laser. <i>IEEE Sensors Journal</i> , 2016, , 1-1.	4.7	13
153	Precise Brillouin gain and phase spectra measurements in coherent BOTDA sensor with phase fluctuation cancellation. <i>Optics Express</i> , 2016, 24, 4824.	3.4	27
154	Photonics for microwave measurements. <i>Laser and Photonics Reviews</i> , 2016, 10, 711-734.	8.7	261
155	Simplified polarization demultiplexing based on Stokes vector analysis for intensity-modulation direct-detection systems. <i>Optical Engineering</i> , 2016, 55, 100501.	1.0	0
156	Enhanced performance for differential detection in coherent Brillouin optical time-domain analysis sensors. <i>Optical Engineering</i> , 2016, 55, 117101.	1.0	1
157	Scattering engineering in continuously shaped metasurface: An approach for electromagnetic illusion. <i>Scientific Reports</i> , 2016, 6, 30154.	3.3	34
158	Coherent BOTDA Sensor With Single-Sideband Modulated Probe Light. <i>IEEE Photonics Journal</i> , 2016, 8, 1-8.	2.0	7
159	Wide-range, high-precision multiple microwave frequency measurement using a chip-based photonic Brillouin filter. <i>Optica</i> , 2016, 3, 30.	9.3	91
160	Low-Complexity and Adaptive Nonlinearity Estimation Module Based on Godard's Error. <i>IEEE Photonics Journal</i> , 2016, 8, 1-8.	2.0	9
161	Multiple vibrations measurement using phase-sensitive OTDR merged with Mach-Zehnder interferometer based on frequency division multiplexing. <i>Optics Express</i> , 2016, 24, 4842.	3.4	48
162	Optoelectronic Oscillators (OEOs) to Sensing, Measurement, and Detection. <i>IEEE Journal of Quantum Electronics</i> , 2016, 52, 1-16.	1.9	120

#	ARTICLE	IF	CITATIONS
163	Experimental Evidence of Time-Delay Concealment in a DFB Laser With Dual-Chaotic Optical Injections. IEEE Photonics Technology Letters, 2016, 28, 131-134.	2.5	18
164	Generation and Manipulation of Orbital Angular Momentum by All-Dielectric Metasurfaces. Plasmonics, 2016, 11, 337-344.	3.4	22
165	Enhanced Far-Field Focusing by Plasmonic Lens Under Radially Polarized Beam Illumination. Plasmonics, 2016, 11, 109-115.	3.4	14
166	Single-passband microwave photonic filter with ultra-high out-of-band rejection ratio. , 2016, , .		0
167	Enhanced performance in coherent BOTDA sensor with reduced effect of chromatic dispersion. Optics Express, 2015, 23, 30483.	3.4	4
168	Multiple frequencies microwave measurement using a tunable Brillouin RF photonic filter. , 2015, , .		0
169	Enhanced Doppler frequency shift measurement and direction discrimination using photonic i/Q detection. , 2015, , .		4
170	Nonlinear refractive index measurement utilizing bistable behavior of double coupling optical fiber ring resonator. Photonic Sensors, 2015, 5, 79-83.	5.0	0
171	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.	1.6	2
172	Dispersion management of anisotropic metamirror for super-octave bandwidth polarization conversion. Scientific Reports, 2015, 5, 8434.	3.3	147
173	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.	4.6	58
174	Adaptive linearized microwave downconversion utilizing a single dual-electrode Mach-Zehnder modulator. Optics Letters, 2015, 40, 2649.	3.3	13
175	Wideband Doppler frequency shift measurement and direction ambiguity resolution using optical frequency shift and optical heterodyning. Optics Letters, 2015, 40, 2321.	3.3	48
176	Coherent BOTDA sensor with intensity modulated local light and IQ demodulation. Optics Express, 2015, 23, 16407.	3.4	17
177	Flexible microwave signal generation with frequency multiplication based on tunable OEO and SBS-assisted notch filter. , 2015, , .		0
178	Photonic approach to microwave frequency measurement under large-signal modulation. , 2015, , .		0
179	Polarization-Insensitive and Receiver-Sensitivity-Gain Format Conversion for PDM Signals Based on Dual-Orthogonal-Pump Four-Wave Mixing in Highly Nonlinear Fiber. IEEE Photonics Journal, 2015, 7, 1-6.	2.0	4
180	Optimization of DV-hop localization algorithm in hybrid optical wireless sensor networks. Journal of Heuristics, 2015, 21, 177-195.	1.4	25

#	ARTICLE	IF	CITATIONS
181	Transmission and demodulation of multi-polarization-multiplexed signals. Science Bulletin, 2014, 59, 3943-3948.	1.7	0
182	Dispersion Compensation in Analog Photonic Link Utilizing a Phase Modulator. Journal of Lightwave Technology, 2014, 32, 4642-4647.	4.6	13
183	Photonic quaternary phase-shift keying signal generation at the millimeter-wave frequency band. , 2014, , .		0
184	A Transmission Model of Analog Signals in Photonic Links. IEEE Photonics Journal, 2014, 6, 1-13.	2.0	5
185	Enhanced robustness of control network for Chinese Train Control System Level-3 (CTCS-3) facilitated by software-defined networking architecture. International Journal of Rail Transportation, 2014, 2, 239-252.	2.7	1
186	Simultaneous unidirectional and bidirectional chaos-based optical communication using hybrid coupling semiconductor lasers. Science China Information Sciences, 2014, 57, 1-11.	4.3	3
187	Plasmonic Filter Using Metal-Insulator-Metal Waveguide with Phase Shifts and its Transmission Characteristics. Plasmonics, 2014, 9, 887-892.	3.4	14
188	Misalignments among stacked layers of metamaterial terahertz absorbers. Frontiers of Optoelectronics, 2014, 7, 53-58.	3.7	2
189	A Plasmonic Wavelength-Selected Intersection Structure. Plasmonics, 2014, 9, 685-690.	3.4	14
190	Negative and Positive Impact of Roughness and Loss on Subwavelength Imaging for Superlens Structures. Plasmonics, 2014, 9, 103-110.	3.4	12
191	Electromagnetically Induced Transparency-Like Transmission in a Compact Side-Coupled T-Shaped Resonator. Journal of Lightwave Technology, 2014, 32, 1701-1707.	4.6	75
192	Investigation on Tunable Modulation Index in the Polarization-Modulator-Based Optoelectronic Oscillator. IEEE Journal of Quantum Electronics, 2014, 50, 68-73.	1.9	59
193	Photonic generation of microwave signals with tunabilities. Science Bulletin, 2014, 59, 2672-2683.	1.7	6
194	Ultra-Broadband Terahertz Absorbers Based on 4 Cascaded Metal-Dielectric Pairs. Plasmonics, 2014, 9, 951-957.	3.4	43
195	Characteristics of Plasmonic Filters with a Notch Located Along Rectangular Resonators. Plasmonics, 2013, 8, 167-171.	3.4	26
196	Photonic Frequency Measurement and Signal Separation for Pulsed/CW Microwave Signals. IEEE Photonics Technology Letters, 2013, 25, 500-503.	2.5	21
197	Design of Plasmonic Comb-Like Filters Using Loop-Based Resonators. Plasmonics, 2013, 8, 1017-1022.	3.4	20
198	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.	4.6	83

#	ARTICLE	IF	CITATIONS
199	Enhanced Two-Channel Optical Chaotic Communication Using Isochronous Synchronization. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 0600109-0600109.	2.9	31
200	High-Spectral-Efficiency Photonic Frequency Down-Conversion Using Optical Frequency Comb and SSB Modulation. IEEE Photonics Journal, 2013, 5, 7200307-7200307.	2.0	17
201	Duplex chaotic message transmission using polarization mode carriers in small networks of three chaotic vertical-cavity surface-emitting lasers. , 2013, , .		0
202	Construction and Strategies in IoT Security System. , 2013, , .		54
203	High-Speed FBG-Based Fiber Sensor Networks for Semidistributed Strain Measurements. IEEE Photonics Journal, 2013, 5, 7200507-7200507.	2.0	13
204	Frequency-Doubling Optoelectronic Oscillator Using DSB-SC Modulation and Carrier Recovery Based on Stimulated Brillouin Scattering. IEEE Photonics Journal, 2013, 5, 6600606-6600606.	2.0	18
205	All-fiber optical filter with an ultranarrow and rectangular spectral response. Optics Letters, 2013, 38, 3096.	3.3	48
206	Actively mode-locked fiber optical parametric oscillator based on feedback idler. , 2013, , .		0
207	Tropospheric error correction in passive location systems based distributed fiber sensor array. , 2013, , .		0
208	Tunable Microwave Photonic Temporal Signal Processor: Differentiator and Integrator. IEEE Photonics Technology Letters, 2013, 25, 2358-2361.	2.5	4
209	A Compact Printed Quadruple Band-Notched UWB Antenna. International Journal of Antennas and Propagation, 2013, 2013, 1-6.	1.2	7
210	Frequency-doubling optoelectronic oscillator using carrier suppression and Brillouin-gain-assisted carrier recovery. , 2012, , .		0
211	Wavelength Demodulation Approach Based on Dispersion-Induced Microwave Power Fading for Optical Sensor. IEEE Sensors Journal, 2012, 12, 1267-1271.	4.7	2
212	FOCUSING LIGHT WITH TYPICAL SUBWAVELENGTH PATTERNED METALLIC STRUCTURES. Modern Physics Letters B, 2012, 26, 1250144.	1.9	1
213	SEPARATION OF RESONANCE MODES IN NANORING RESONATOR BY A CASCADED SLOT CAVITY. Modern Physics Letters B, 2012, 26, 1250150.	1.9	3
214	A Fuzzy-Gossip routing protocol for an energy efficient wireless sensor networks. , 2012, , .		9
215	Simultaneous OSNR Monitoring for Two Polarization Tributaries of a PDM Signal Using a Polarization-Diversity Nonlinear Loop Mirror Based on FWM. Journal of Lightwave Technology, 2012, 30, 2376-2381.	4.6	12
216	Surface Plasmon Polaritons and Its Applications. IEEE Photonics Journal, 2012, 4, 590-595.	2.0	54

#	ARTICLE	IF	CITATIONS
217	Fiber Strain Sensor with Enhanced Sensitivity Utilizing Differential Pair of Fiber Bragg Gratings. , 2012, , .		3
218	One-to-Nine Multicasting of RZ-DPSK Based on Cascaded Four-Wave Mixing in a Highly Nonlinear Fiber Without Stimulated Brillouin Scattering Suppression. IEEE Photonics Technology Letters, 2012, 24, 1882-1885.	2.5	9
219	Photonic Generation of Microwave Phase-Coded Signals Based on Frequency-to-Time Conversion. IEEE Photonics Technology Letters, 2012, 24, 1527-1529.	2.5	23
220	Photonic approach to the measurement of time-difference-of-arrival and angle-of-arrival of a microwave signal. Optics Letters, 2012, 37, 755.	3.3	61
221	All-Optical Signal Processing for UltraHigh Speed Optical Systems and Networks. Journal of Lightwave Technology, 2012, 30, 3760-3770.	4.6	61
222	Lifetime Enhancement in Wireless Sensor Networks Using Fuzzy Approach and A-Star Algorithm. IEEE Sensors Journal, 2012, 12, 3010-3018.	4.7	120
223	High Bit Rate Fiber-Optic Transmission Using a Four-Chaotic-Semiconductor-Laser Scheme. IEEE Photonics Technology Letters, 2012, 24, 1072-1074.	2.5	15
224	Loss of Time Delay Signature in Broadband Cascade-Coupled Semiconductor Lasers. IEEE Photonics Technology Letters, 2012, 24, 2187-2190.	2.5	56
225	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.	1.9	45
226	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.	2.5	19
227	Enhanced Focusing Properties Using Surface Plasmon Multilayer Gratings. IEEE Photonics Journal, 2012, 4, 57-64.	2.0	13
228	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.	1.9	4
229	Fiber Sensors for Strain Measurements and Axle Counting in High-Speed Railway Applications. IEEE Sensors Journal, 2011, 11, 1587-1594.	4.7	30
230	Generation and Distribution of 1.25 Gb/s Ultrawideband Doublet Pulses Based on the Combination of Nonlinear Polarization Rotation and Parametric Amplification. Journal of Lightwave Technology, 2011, 29, 931-938.	4.6	8
231	Influence of injection current on the synchronization and communication performance of closed-loop chaotic semiconductor lasers. Optics Letters, 2011, 36, 3197.	3.3	18
232	Modified Energy-Efficient Protocol for Wireless Sensor Networks in the Presence of Distributed Optical Fiber Sensor Link. IEEE Sensors Journal, 2011, 11, 1815-1819.	4.7	23
233	Conceal time-delay signature of chaotic vertical-cavity surface-emitting lasers by variable-polarization optical feedback. Optics Communications, 2011, 284, 5758-5765.	2.1	38
234	Polarization and Transmission Properties of Metamaterial-Based Three-Dimensional Plasmonic Structure. IEEE Photonics Journal, 2011, 3, 400-406.	2.0	14

#	ARTICLE	IF	CITATIONS
235	Chaos Synchronization and Communication in Multiple Time-Delayed Coupling Semiconductor Lasers Driven by a Third Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1220-1227.	2.9	22
236	Photonic Instantaneous Frequency Measurement Using a Single Laser Source and Two Quadrature Optical Filters. IEEE Photonics Technology Letters, 2011, 23, 39-41.	2.5	16
237	All-optical signal processing in polarization-division-multiplexed optical communication systems: (Invited). , 2010, , .		0
238	Multiaccess Optical Chaos Communication Using Mutually Coupled Semiconductor Lasers Subjected to Identical External Injections. IEEE Photonics Technology Letters, 2010, 22, 676-678.	2.5	19
239	Properties of leader-laggard chaos synchronization in mutually coupled external-cavity semiconductor lasers. Physical Review E, 2010, 81, 066217.	2.1	45
240	Dispersion-Induced-Loss-Independent Photonic Instantaneous Frequency Measurement Using Remote-Fiber-Based Tunable Microwave Filter. IEEE Photonics Technology Letters, 2010, 22, 1090-1092.	2.5	9
241	Two-dimensionally tunable microwave signal generation based on optical frequency-to-time conversion. Optics Letters, 2010, 35, 2606.	3.3	23
242	Full-scale phase demodulation approach for photonic instantaneous frequency measurement. Optics Letters, 2010, 35, 2747.	3.3	19
243	Chaos Synchronization and Communication in Mutually Coupled Semiconductor Lasers Driven by a Third Laser. Journal of Lightwave Technology, 2010, 28, 1978-1986.	4.6	70
244	Novel approach for microwave frequency measurement based on optical power monitoring. , 2010, , .		0
245	Quadrupling Optical Delay Range Using Polarization Properties. IEEE Photonics Technology Letters, 2008, 20, 1775-1777.	2.5	4
246	Repeatable First-Order and Second-Order PMD Emulator Using Binary Polarization Switches. IEEE Photonics Technology Letters, 2008, 20, 2111-2113.	2.5	1
247	Multichannel SBS Slow Light Using Spectrally Sliced Incoherent Pumping. Journal of Lightwave Technology, 2008, 26, 3763-3769.	4.6	11
248	Polarization management for polarization-division-multiplexing and coherent detection systems. , 2008, , .		2
249	Segmental Frequency Modulated Probe for Non-Local Effect Reduction in a Pulse-Coded Brillouin Optical Time Domain Analyzer. Frontiers in Physics, 0, 10, .	2.1	0
250	Blind and low-complexity modulation format identification based on signal envelope flatness for autonomous digital coherent receivers. Applied Optics, 0, , .	1.8	1