Weisheng Hu

List of Publications by Year
in descending order

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534	6,900	94433	149698
papers	citations	37 h-index	56 g-index

534	534	534	3753
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multicasting optical cross connects employing splitter-and-delivery switch. IEEE Photonics Technology Letters, 1998, 10, 970-972.	2.5	155
2	Chaotic optical communications over 100-km fiber transmission at 30-Gb/s bit rate. Optics Letters, 2018, 43, 1323.	3.3	135
3	Photonic crystal channel drop filter with a wavelength-selective reflection micro-cavity. Optics Express, 2006, 14, 2446.	3.4	132
4	Mode-locked thulium fiber laser with MoS₂. Laser Physics Letters, 2015, 12, 065104.	1.4	123
5	200 Gbps/Lane IM/DD Technologies for Short Reach Optical Interconnects. Journal of Lightwave Technology, 2020, 38, 492-503.	4.6	117
6	Intelligent programmable mode-locked fiber laser with a human-like algorithm. Optica, 2019, 6, 362.	9.3	99
7	Machine Learning for 100 Gb/s/<italic>Î»</italic> Passive Optical Network. Journal of Lightwave Technology, 2019, 37, 1621-1630.	4.6	92
8	Chaos-Based Partial Transmit Sequence Technique for Physical Layer Security in OFDM-PON. IEEE Photonics Technology Letters, 2015, 27, 2429-2432.	2.5	82
9	Bandwidth-tunable narrowband rectangular optical filter based on stimulated Brillouin scattering in optical fiber. Optics Express, 2014, 22, 23249.	3.4	80
10	Self-interference cancellation using dual-drive Mach-Zehnder modulator for in-band full-duplex radio-over-fiber system. Optics Express, 2015, 23, 33205.	3.4	76
11	Performance comparison of DML, EML and MZM in dispersion-unmanaged short reach transmissions with digital signal processing. Optics Express, 2018, 26, 34288.	3.4	76
12	Application of Machine Learning in Fiber Nonlinearity Modeling and Monitoring for Elastic Optical Networks. Journal of Lightwave Technology, 2019, 37, 3055-3063.	4.6	68
13	OPTICAL PROPERTIES OF PULSED LASER DEPOSITED ZnO THIN FILMS. Journal of Physics and Chemistry of Solids, 1997, 58, 853-857.	4.0	66
14	32â€‰â€‰Gb/s chaotic optical communications by deep-learning-based chaos synchronization. Optics Letters, 2019, 44, 5776.	3.3	63
15	Symmetric 40-Gb/s TWDM-PON With 39-dB Power Budget. IEEE Photonics Technology Letters, 2013, 25, 644-647.	2.5	62
16	Chaotic image encryption algorithm using frequencyâ€domain DNA encoding. IET Image Processing, 2019, 13, 1535-1539.	2.5	61
17	Modified design of photonic crystal fibers with flattened dispersion. Optics and Laser Technology, 2006, 38, 169-172.	4.6	57
18	A Key Space Enhanced Chaotic Encryption Scheme for Physical Layer Security in OFDM-PON. IEEE Photonics Journal, 2017, 9, 1-10.	2.0	57

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19	Intelligent control of mode-locked femtosecond pulses by time-stretch-assisted real-time spectral analysis. Light: Science and Applications, 2020, 9, 13.	16.6	55
20	Photonic microwave phase shifter/modulator based on a nonlinear optical loop mirror incorporating a Mach-Zehnder interferometer. Optics Letters, 2007, 32, 745.	3.3	53
21	Joint scheduling for optical grid applications. Journal of Optical Networking, 2007, 6, 304.	2.5	53
22	Reservoir computing system with double optoelectronic feedback loops. Optics Express, 2019, 27, 27431.	3.4	53
23	Chaotic Walshâ€“Hadamard Transform for Physical Layer Security in OFDM-PON. IEEE Photonics Technology Letters, 2017, 29, 527-530.	2.5	51
24	Chaotic Constellation Mapping for Physical-Layer Data Encryption in OFDM-PON. IEEE Photonics Technology Letters, 2018, 30, 339-342.	2.5	51
25	Properties of index-guided PCF with air-core. Optics and Laser Technology, 2007, 39, 317-321.	4.6	49
26	Polarization-Independent Rectangular Microwave Photonic Filter Based on Stimulated Brillouin Scattering. Journal of Lightwave Technology, 2016, 34, 669-675.	4.6	49
27	Dispersion and polarization properties of elliptical air-hole-containing photonic crystal fibers. Optics and Laser Technology, 2007, 39, 913-917.	4.6	46
28	Optimized design of two-pump fiber optical parametric amplifier with two-section nonlinear fibers using genetic algorithm. Optics Express, 2004, 12, 5603.	3.4	44
29	Chaotic Optical Communication Over 1000 km Transmission by Coherent Detection. Journal of Lightwave Technology, 2020, 38, 4648-4655.	4.6	44
30	Multiple Access Scheme Based on Block Encoding Time Division Multiplexing in an Indoor Positioning System Using Visible Light. Journal of Optical Communications and Networking, 2015, 7, 489.	4.8	42
31	28 Gb/s duobinary signal transmission over 40 km based on 10 GHz DML and PIN for 100 Gb/s PON. Optics Express, 2015, 23, 20249.	3.4	42
32	Low-Latency Dynamic Wavelength and Bandwidth Allocation Algorithm for NG-EPON. Journal of Optical Communications and Networking, 2017, 9, 1108.	4.8	42
33	Nonlinearity-aware 200â€‰â€‰Gbit/s DMT transmission for C-band short-reach optical interconnects with a single packaged electro-absorption modulated laser. Optics Letters, 2018, 43, 182.	3.3	42
34	Delay of Broadband Signals Using Slow Light in Stimulated Brillouin Scattering With Phase-Modulated Pump. IEEE Photonics Technology Letters, 2007, 19, 619-621.	2.5	41
35	Coherence enhancement of a chirped DFB laser for frequency-modulated continuous-wave reflectometry using a composite feedback loop. Optics Letters, 2015, 40, 4500.	3.3	41
36	Pulsed excimer (KrF) laser induced crystallization of PbZr0.44Ti0.56O3 amorphous films. Applied Physics Letters, 1995, 66, 2481-2483.	3.3	38

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37	Time-Shifted Multilayer Graph: A Routing Framework for Bulk Data Transfer in Optical Circuit-Switched Networks With Assistive Storage. Journal of Optical Communications and Networking, 2016, 8, 162.	4.8	38
38	Error-free secure key generation and distribution using dynamic Stokes parameters. Optics Express, 2019, 27, 29207.	3.4	38
39	Digital mobile fronthaul employing differential pulse code modulation with suppressed quantization noise. Optics Express, 2017, 25, 31921.	3.4	37
40	Polar-Coded MIMO FSO Communication System Over Gamma-Gamma Turbulence Channel With Spatially Correlated Fading. Journal of Optical Communications and Networking, 2018, 10, 915.	4.8	37
41	Numerical analysis of concentration quenching model of er/sup 3+/ -doped phosphate fiber amplifier. IEEE Journal of Quantum Electronics, 2003, 39, 1266-1271.	1.9	36
42	Phase drift cancellation of remote radio frequency transfer using an optoelectronic delay-locked loop. Optics Letters, 2011, 36, 873.	3.3	36
43	Performance Evaluation of XG-PON Based Mobile Front-Haul Transport in Cloud-RAN Architecture. Journal of Optical Communications and Networking, 2017, 9, 984.	4.8	36
44	Preparation of c-axis oriented ZnO optical waveguiding films on fused silica by pulsed laser reactive ablation. Materials Letters, 1995, 25, 5-8.	2.6	35
45	Intensity directed equalizer for the mitigation of DML chirp induced distortion in dispersion-unmanaged C-band PAM transmission. Optics Express, 2017, 25, 28123.	3.4	35
46	Key Distribution Based on Phase Fluctuation Between Polarization Modes in Optical Channel. IEEE Photonics Technology Letters, 2018, 30, 704-707.	2.5	35
47	Secure OFDM Transmission Precoded by Chaotic Discrete Hartley Transform. IEEE Photonics Journal, 2018, 10, 1-9.	2.0	35
48	Flexible Wavelength and Dynamic Bandwidth Allocation for NG-EPONs. Journal of Optical Communications and Networking, 2018, 10, 643.	4.8	34
49	Experimental Demonstration of Symmetric 100-Gb/s DML-Based TWDM-PON System. IEEE Photonics Technology Letters, 2015, 27, 470-473.	2.5	33
50	AI-Based Modeling and Monitoring Techniques for Future Intelligent Elastic Optical Networks. Applied Sciences (Switzerland), 2020, 10, 363.	2.5	33
51	Pulsed-laser deposition and optical properties of completely (001) textured optical waveguiding LiNbO_3 films upon SiO_2/Si substrates. Optics Letters, 1996, 21, 946.	3.3	32
52	Photonic radio-frequency dissemination via optical fiber with high-phase stability. Optics Letters, 2015, 40, 2618.	3.3	32
53	Secure Transmission of Optical DFT-S-OFDM Data Encrypted by Digital Chaos. IEEE Photonics Journal, 2016, 8, 1-9.	2.0	32
54	100-Gb/s TWDM-PON based on 10G optical devices. Optics Express, 2016, 24, 12941.	3.4	32

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55	Comparative study of cost-effective coherent and direct detection schemes for 100â€‰â€‰Gb/s/Î» PON. Journal of Optical Communications and Networking, 2020, 12, D36.	4.8	32
56	Low electric field induced (001) oriented growth of LiNbO3 films by pulsed laser ablation. Solid State Communications, 1996, 97, 481-485.	1.9	31
57	Spectrally efficient digitized radio-over-fiber system with k-means clustering-based multidimensional quantization. Optics Letters, 2018, 43, 1546.	3.3	31
58	50 Gbps PAM-4 Over Up to 80-km Transmission With C-Band DML Enabled by Post-Equalizer. IEEE Photonics Technology Letters, 2020, 32, 643-646.	2.5	31
59	Design of Fiber-Optical Parametric Amplifiers by Genetic Algorithm. IEEE Photonics Technology Letters, 2004, 16, 1652-1654.	2.5	30
60	Distribution of high-stability 10ÂGHz local oscillator over 100Âkm optical fiber with accurate phase-correction system. Optics Letters, 2014, 39, 888.	3.3	30
61	Soft Failure Identification for Long-haul Optical Communication Systems Based on One-dimensional Convolutional Neural Network. Journal of Lightwave Technology, 2020, 38, 2992-2999.	4.6	30
62	Nonlinear Tomlinson-Harashima precoding for direct-detected double sideband PAM-4 transmission without dispersion compensation. Optics Express, 2019, 27, 19156.	3.4	29
63	The role of an electric field applied during pulsed laser deposition of LiNbO3and LiTaO3on the film orientation. Journal of Applied Physics, 1996, 80, 7089-7093.	2.5	28
64	Energy Efficient TWDM Multi-PON System With Wavelength Relocation. Journal of Optical Communications and Networking, 2014, 6, 571.	4.8	28
65	Chaosâ€based selected mapping scheme for physical layer security in OFDMâ€PON. Electronics Letters, 2015, 51, 1429-1431.	1.0	28
66	Experimental study of wideband in-band full-duplex communication based on optical self-interference cancellation. Optics Express, 2016, 24, 30139.	3.4	28
67	284.8-Mb/s Physical-Layer Cryptographic Key Generation and Distribution in Fiber Networks. Journal of Lightwave Technology, 2021, 39, 1595-1601.	4.6	28
68	Coherent chaotic optical communication of 30 Gb/s over 340-km fiber transmission via deep learning. Optics Letters, 2022, 47, 2650.	3.3	28
69	Chaotic Encryption Algorithm Against Chosen-Plaintext Attacks in Optical OFDM Transmission. IEEE Photonics Technology Letters, 2016, 28, 2499-2502.	2.5	27
70	Performance-Improved Secure OFDM Transmission Using Chaotic Active Constellation Extension. IEEE Photonics Technology Letters, 2017, 29, 991-994.	2.5	27
71	Generation and phase noise analysis of a wide optoelectronic oscillator with ultra-high resolution based on stimulated Brillouin scattering. Optics Express, 2018, 26, 16113.	3.4	27
72	Trading off security and practicability to explore high-speed and long-haul chaotic optical communication. Optics Express, 2021, 29, 12750.	3.4	27

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73	Accelerated key generation and distribution using polarization scrambling in optical fiber. Optics Express, 2019, 27, 35761.	3.4	27
74	FBG-Based Bidirectional Optical Cross Connects for Bidirectional WDM Ring Networks. Journal of Lightwave Technology, 2004, 22, 2710-2721.	4.6	26
75	Channel drop filter in two-dimensional triangular lattice photonic crystals. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, A7.	1.5	26
76	Comparative study of laser ablation techniques for fabricating nanocrystalline SnO2 thin films for sensors. Materials Letters, 1996, 28, 369-372.	2.6	25
77	Improved slow-light performance of 10 Gb/s NRZ, PSBT and DPSK signals in fiber broadband SBS. Optics Express, 2007, 15, 16972.	3.4	25
78	Distribution of high-stability 10004â€‰â€‰GHz millimeter wave signal over 60â€‰â€‰km optical fiber with fast phase-error-correcting capability. Optics Letters, 2014, 39, 2849.	3.3	25
79	Photonic generation of millimeter and terahertz waves with high phase stability. Optics Letters, 2014, 39, 1493.	3.3	25
80	Dynamic frequency-noise spectrum measurement for a frequency-swept DFB laser with short-delayed self-heterodyne method. Optics Express, 2015, 23, 29245.	3.4	25
81	Brillouin Rectangular Optical Filter With Improved Selectivity and Noise Performance. IEEE Photonics Technology Letters, 2015, 27, 1593-1596.	2.5	25
82	Software-defined microwave photonic filter with high reconfigurable resolution. Scientific Reports, 2016, 6, 35621.	3.3	25
83	Symmetric 100-Gb/s TWDM-PON in O-Band Based on 10G-Class Optical Devices Enabled by Dispersion-Supported Equalization. Journal of Lightwave Technology, 2018, 36, 580-586.	4.6	25
84	Pulsed laser deposition of (001) textured LiNbO3 films on Al2O3/SiO2/Si substrate. Applied Surface Science, 1999, 141, 197-200.	6.1	24
85	Compatible TDM/WDM PON Using a Single Tunable Optical Filter for Both Downstream Wavelength Selection and Upstream Wavelength Generation. IEEE Photonics Technology Letters, 2012, 24, 797-799.	2.5	24
86	AWG-Based Non-Blocking Clos Networks. IEEE/ACM Transactions on Networking, 2015, 23, 491-504.	3.8	24
87	Pulsed laser deposition of /MgO bilayered films on Si wafer in waveguide form. Journal Physics D: Applied Physics, 1996, 29, 1632-1635.	2.8	23
88	Design and System Demonstration of a Tunable Slow-Light Delay Line Based on Fiber Parametric Process. IEEE Photonics Technology Letters, 2006, 18, 2575-2577.	2.5	23
89	Automatic mode-locking fiber lasers: progress and perspectives. Science China Information Sciences, 2020, 63, 1.	4.3	23
90	Title is missing!. Journal of Materials Science: Materials in Electronics, 1997, 8, 155-158.	2.2	22

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91	Task Scheduling and Lightpath Establishment in Optical Grids. , 2008, , .		22
92	Virtualized optical network services across multiple domains for grid applications. , 2011, 49, 92-101.		22
93	ONU migration in dynamic Time and Wavelength Division Multiplexed Passive Optical Network (TWDM-PON). Optics Express, 2013, 21, 21491.	3.4	22
94	Power budget improvement of symmetric 40-Gb/s DML-based TWDM-PON system. Optics Express, 2014, 22, 6925.	3.4	22
95	Fourier transform-limited optical frequency-modulated continuous-wave interferometry over several tens of laser coherence lengths. Optics Letters, 2016, 41, 2962.	3.3	22
96	Field Demonstration of a Real-Time 100-Gb/s PON Based on 10G-Class Optical Devices. Journal of Lightwave Technology, 2017, 35, 1914-1921.	4.6	22
97	2.7 Gb/s Secure Key Generation and Distribution Using Bidirectional Polarization Scrambler in Fiber. IEEE Photonics Technology Letters, 2021, 33, 289-292.	2.5	22
98	High birefringence photonic bandgap fiber with elliptical air holes. Optical Fiber Technology, 2006, 12, 265-267.	2.7	21
99	Scheduling Algorithm for Workflow-Based Applications in Optical Grid. Journal of Lightwave Technology, 2008, 26, 3011-3020.	4.6	21
100	Key technologies and system proposals of TWDM-PON. Frontiers of Optoelectronics, 2013, 6, 46-56.	3.7	21
101	Symmetric 40-Gb/s, 100-km Passive Reach TWDM-PON with 53-dB Loss Budget. Journal of Lightwave Technology, 2014, 32, 3991-3998.	4.6	21
102	High performance and cost effective CO-OFDM system aided by polar code. Optics Express, 2017, 25, 2763.	3.4	21
103	Dynamic QAM Mapping for Physical-Layer Security Using Digital Chaos. IEEE Access, 2018, 6, 47199-47205.	4.2	21
104	Multi-Parameter Sensing in a Multimode Self-Interference Micro-Ring Resonator by Machine Learning. Sensors, 2020, 20, 709.	3.8	21
105	Improved gain performance of high concentration Er/sup 3+/-Yb/sup 3+/-codoped phosphate fiber amplifier. IEEE Journal of Quantum Electronics, 2005, 41, 704-708.	1.9	20
106	Congestion-Aware Embedding of Heterogeneous Bandwidth Virtual Data Centers With Hose Model Abstraction. IEEE/ACM Transactions on Networking, 2017, 25, 806-819.	3.8	20
107	Optics-Simplified DSP for 50ÂGb/s PON Downstream Transmission using 10ÂGb/s Optical Devices. Journal of Lightwave Technology, 2020, 38, 583-589.	4.6	20
108	Simultaneous DPSK demodulation and chirp management using delay interferometer in symmetric 40-Gb/s capability TWDM-PON system. Optics Express, 2013, 21, 16528.	3.4	19

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109	Highly Sensitive Intensity Detection by a Self-Interference Micro-Ring Resonator. IEEE Photonics Technology Letters, 2016, 28, 1469-1472.	2.5	19
110	Low-Cost WDM Fronthaul Enabled by Partitioned Asymmetric AWGR With Simultaneous Flexible Transceiver Assignment and Chirp Management. Journal of Optical Communications and Networking, 2017, 9, 876.	4.8	19
111	Dynamic Wavelength and Bandwidth Allocation Algorithms for Mitigating Frame Reordering in NG-EPON. Journal of Optical Communications and Networking, 2018, 10, 220.	4.8	19
112	Genetic Algorithm-Based Fast Real-Time Automatic Mode-Locked Fiber Laser. IEEE Photonics Technology Letters, 2020, 32, 7-10.	2.5	19
113	Symmetric carrier assisted differential detection receiver with low-complexity signal-signal beating interference mitigation. Optics Express, 2020, 28, 19008.	3.4	19
114	A Study of Modular AWGs for Large-Scale Optical Switching Systems. Journal of Lightwave Technology, 2012, 30, 2125-2133.	4.6	18
115	Theoretical Analysis of High-Speed All-Optical Turbo-Switches. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 662-669.	2.9	18
116	Power Budget Improved Symmetric 40-Gb/s Long Reach Stacked WDM-OFDM-PON System Based on Single Tunable Optical Filter. IEEE Photonics Journal, 2014, 6, 1-8.	2.0	18
117	Chaotic Nonlinear Encryption Scheme for CPAs Resistance and PAPR Reduction in OFDM-PON. IEEE Photonics Technology Letters, 2017, 29, 2147-2150.	2.5	18
118	Fidelity enhancement in high-data-rate digital mobile fronthaul with sample bits interleaving and unequally-spaced PAM4. Optics Express, 2017, 25, 5559.	3.4	18
119	Traffic-Estimation-Based Low-Latency XGS-PON Mobile Front-Haul for Small-Cell C-RAN Based on an Adaptive Learning Neural Network. Applied Sciences (Switzerland), 2018, 8, 1097.	2.5	18
120	Dissipative sensing with low detection limit in a self-interference microring resonator. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 942.	2.1	18
121	Improved Gain Characteristics of High Concentration Erbium-Doped Phosphate Fiber Amplifier. IEEE Photonics Technology Letters, 2004, 16, 774-776.	2.5	17
122	Design and analysis of two-dimensional photonic crystals channel filter. Optics Communications, 2006, 266, 342-348.	2.1	17
123	Photonic radio-frequency phase shifter based on polarization interference. Optics Letters, 2009, 34, 2375.	3.3	17
124	Task Scheduling and Lightpath Establishment in Optical Grids. Journal of Lightwave Technology, 2009, 27, 1796-1805.	4.6	17
125	All-optical logic gates for 40 Gb/s NRZ signals using complementary data in SOA-MZIs. Optics Communications, 2013, 290, 28-32.	2.1	17
126	Adaptive Registration in TWDM-PON With ONU Migrations. Journal of Optical Communications and Networking, 2014, 6, 943.	4.8	17

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127	Power-area method to precisely estimate laser linewidth from its frequency-noise spectrum. Applied Optics, 2015, 54, 8282.	2.1	17
128	Ultra-selective flexible add and drop multiplexer using rectangular optical filters based on stimulated Brillouin scattering. Optics Express, 2015, 23, 19010.	3.4	17
129	Bandwidth Resource Sharing on the XG-PON Transmission Convergence Layer in a Multi-operator Scenario. Journal of Optical Communications and Networking, 2016, 8, 835.	4.8	17
130	Modular AWG-based Interconnection for Large-Scale Data Center Networks. IEEE Transactions on Cloud Computing, 2018, 6, 785-799.	4.4	17
131	Performance Optimization by Nonparametric Histogram Estimation for Low Resolution in IMDD-OQAM-OFDM System. IEEE Photonics Journal, 2018, 10, 1-13.	2.0	17
132	A novel six-core few-mode fiber with low loss and low crosstalk. Optical Fiber Technology, 2020, 57, 102211.	2.7	17
133	Physical Layer Dynamic Key Encryption in OFDM-PON System Based on Cellular Neural Network. IEEE Photonics Journal, 2021, 13, 1-14.	2.0	17
134	Improving dispersion tolerance of manchester coding by incorporating duobinary coding. IEEE Photonics Technology Letters, 2006, 18, 1723-1725.	2.5	16
135	Chirp-aided power fading mitigation for upstream 100Âkm full-range long reach PON with DBR DML. Optics Communications, 2018, 407, 63-68.	2.1	16
136	Experimental Demonstration of a Symmetric 40-Gb/s TWDM-PON. , 2013, , .		16
137	Design and analysis of high-speed optical access networks in the O-band with DSP-free ONUs and low-bandwidth optics. Optics Express, 2018, 26, 27873.	3.4	16
138	Training data generation and validation for a neural network-based equalizer. Optics Letters, 2020, 45, 5113.	3.3	16
139	Performance and Complexity Analysis of Conventional and Deep Learning Equalizers for the High-Speed IMDD PON. Journal of Lightwave Technology, 2022, 40, 4528-4538.	4.6	16
140	Pulsed laser deposition of c-oriented optical waveguiding bilayered films on silicon wafers. Journal of Crystal Growth, 1996, 165, 187-190.	1.5	15
141	Low noise figure all-optical gain-clamped parallel C+L band Erbium-doped fiber amplifier using an interleaver. Optics Express, 2005, 13, 4519.	3.4	15
142	Compact waveguide splitter networks. Optics Express, 2008, 16, 4981.	3.4	15
143	Video-Service-Overlaid Wavelength-Division-Multiplexed Passive Optical Network. IEEE Photonics Technology Letters, 2009, 21, 990-992.	2.5	15
144	Upstream capacity upgrade in TDM-PON using RSOA based tunable fiber ring laser. Optics Express, 2012, 20, 10416.	3.4	15

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145	Energy-efficient Dynamic Bandwidth Allocation for EPON networks with sleep mode ONUs. Optical Switching and Networking, 2015, 15, 121-133.	2.0	15
146	End-to-End Deep Learning for Long-haul Fiber Transmission Using Differentiable Surrogate Channel. Journal of Lightwave Technology, 2022, 40, 2807-2822.	4.6	15
147	Impairment constraint multicasting in translucent WDM networks: architecture, network design and multicasting routing. Photonic Network Communications, 2006, 13, 93-102.	2.7	14
148	Simultaneous demodulation and slow light of differential phase-shift keying signals using stimulated-Brillouin-scattering-based optical filtering in fiber. Optics Letters, 2007, 32, 3182.	3.3	14
149	Photonic Crystal Three-Port Channel Drop Filter Based on One-Way Waveguide. IEEE Photonics Technology Letters, 2012, 24, 332-334.	2.5	14
150	Secure optical communication using stimulated Brillouin scattering in optical fiber. Optics Communications, 2013, 290, 146-151.	2.1	14
151	Soft-Stacked PON for Soft C-RAN. Journal of Optical Communications and Networking, 2016, 8, B12.	4.8	14
152	Photonic generation of phase-stable and wideband chirped microwave signals based on phase-locked dual optical frequency combs. Optics Letters, 2016, 41, 3787.	3.3	14
153	Dimensioning of the Store-and-Transfer WDM Network With Limited Node Storage Under the Sliding Scheduled Traffic Model. Journal of Optical Communications and Networking, 2017, 9, 275.	4.8	14
154	Joint Provisioning of Lightpaths and Storage in Store-and-Transfer Wavelength-Division Multiplexing Networks. Journal of Optical Communications and Networking, 2017, 9, 218.	4.8	14
155	Resource Allocation in Electrical/Optical Hybrid Switching Data Center Networks. Journal of Optical Communications and Networking, 2017, 9, 648.	4.8	14
156	Performance investigation of the polar coded FSO communication system over turbulence channel. Applied Optics, 2018, 57, 7378.	1.8	14
157	EML-Based Multi-Path Self-Interference Cancellation With Adaptive Frequency-Domain Pre-Equalization. IEEE Photonics Technology Letters, 2018, 30, 1103-1106.	2.5	14
158	Chaotic distribution of QAM symbols for secure OFDM signal transmission. Optical Fiber Technology, 2019, 47, 61-65.	2.7	14
159	FPGA-based digital chaotic anti-interference lidar system. Optics Express, 2021, 29, 719.	3.4	14
160	Adaptive optical self-interference cancellation for in-band full-duplex systems using regular triangle algorithm. Optics Express, 2019, 27, 4116.	3.4	14
161	Computationally efficient 104 Gb/s PWL-Volterra equalized 2D-TCM-PAM8 in dispersion unmanaged DML-DD system. Optics Express, 2020, 28, 7070.	3.4	14
162	Beyond 200 Gbps per Lane Intensity Modulation Direct Detection (IM/DD) Transmissions for Optical Interconnects: Challenges and Recent Developments. , 2019, , .		14

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163	Preparation of piezoelectric-coefficient modulated multilayer film ZnO/Al2O3 and its ultrahigh frequency resonance. Applied Physics Letters, 1997, 71, 548-550.	3.3	13
164	Two-pump fiber optical parametric amplifiers with three-section fibers allocation. Optics and Laser Technology, 2006, 38, 186-191.	4.6	13
165	The preparation of optical fibre nanoprobe and its application in spectral detection. Optics and Laser Technology, 2007, 39, 1025-1029.	4.6	13
166	Demonstration of microcantilever array with simultaneous readout using an in-plane photonic transduction method. Review of Scientific Instruments, 2009, 80, 085101.	1.3	13
167	An upstream multi-wavelength shared PON based on tunable self-seeding Fabry-PÃ©rot laser diode for upstream capacity upgrade and wavelength multiplexing. Optics Express, 2011, 19, 8000.	3.4	13
168	Fast Spectrum Analysis for an OFDR Using the FFT and SCZT Combination Approach. IEEE Photonics Technology Letters, 2016, 28, 657-660.	2.5	13
169	Time Delay Concealment in Feedback Chaotic Systems With Dispersion in Loop. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	13
170	Arbitrary-shaped Brillouin microwave photonic filter by manipulating a directly modulated pump. Optics Letters, 2017, 42, 4083.	3.3	13
171	Chaotic Arnold transform and chirp matrix encryption scheme for enhancing the performance and security of OFDM-PON. Optical Fiber Technology, 2019, 51, 64-70.	2.7	13
172	Low overhead equalization algorithm for simultaneously estimating channel and mitigating intrinsic imaginary interference in IMDD-OQAM-OFDM system. Optics Communications, 2019, 430, 256-261.	2.1	13
173	Piecewise Linear Equalizer for DML Based PAM-4 Signal Transmission Over a Dispersion Uncompensated Link. Journal of Lightwave Technology, 2020, 38, 654-660.	4.6	13
174	Post-Processing Protocol for Physical-Layer Key Generation and Distribution in Fiber Networks. IEEE Photonics Technology Letters, 2020, 32, 901-904.	2.5	13
175	Real-time secure optical OFDM transmission with chaotic data encryption. Optics Communications, 2020, 473, 126005.	2.1	13
176	Experimental Demonstration of Multimode Microresonator Sensing by Machine Learning. IEEE Sensors Journal, 2021, 21, 9046-9053.	4.7	13
177	Point to multi-point physical-layer key generation and distribution in passive optical networks. Optics Letters, 2021, 46, 3223.	3.3	13
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