

Weisheng Hu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|-------------------------|----------------|-----------------|
| 425 papers | 4,353 citations | 30 h-index | 44 g-index |
| 534 ext. papers | 5,791 ext. citations | 2.7 avg, IF | 5.98 L-index |

| # | Paper | IF | Citations |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 425 | Adaptive Probabilistic Shaping Using Polar Codes for FSO Communication. <i>IEEE Photonics Journal</i> , 2022 , 14, 1-6 | 1.8 | 2 |
| 424 | A Meta-learning-assisted Training Framework for Physical Layer Modeling in Optical Networks. <i>Journal of Lightwave Technology</i> , 2022 , 1-1 | 4 | 1 |
| 423 | Multi-dimensional Distribution Matching with Bit-level Shaping for Probabilistically Shaped High Order Modulation Formats. <i>Journal of Lightwave Technology</i> , 2022 , 1-1 | 4 | 2 |
| 422 | Performance comparison of partial-response square shaped signal with direct detection. <i>Optics Communications</i> , 2022 , 511, 127993 | 2 | |
| 421 | Direct-sequence spread spectrum time division multiple access with direct detection for latency optimized passive optical network. <i>Optics Communications</i> , 2022 , 510, 127955 | 2 | |
| 420 | End-to-End Deep Learning for Long-haul Fiber Transmission Using Differentiable Surrogate Channel. <i>Journal of Lightwave Technology</i> , 2022 , 1-1 | 4 | 3 |
| 419 | Performance and complexity analysis of conventional and deep learning equalizers for the high-speed IMDD PON. <i>Journal of Lightwave Technology</i> , 2022 , 1-1 | 4 | 1 |
| 418 | High-power narrow-linewidth fiber lasers using optical spectrum broadening based on high-order phase modulation of inversion probability-tuning sequence.. <i>Optics Express</i> , 2022 , 30, 8448-8460 | 3.3 | 5 |
| 417 | Direct detection transmission of a PAM signal with power fading mitigation based on Alamouti coding and dual-drive MZM.. <i>Optics Express</i> , 2022 , 30, 9321-9335 | 3.3 | |
| 416 | A modified Volterra equalizer for compensation distortion in C-band DML-based short reach limited-bandwidth system with 80-Gb/s PAM-4 signals. <i>Optics Communications</i> , 2022 , 513, 128105 | 2 | 0 |
| 415 | Fast and accurate waveform modeling of long-haul multi-channel optical fiber transmission using a hybrid model-data driven scheme. <i>Journal of Lightwave Technology</i> , 2022 , 1-1 | 4 | 3 |
| 414 | Pilot-tone Assisted Successive Interference Cancellation for Uplink Power- and Frequency-Division Multiplexing Passive Optical Network. <i>Journal of Lightwave Technology</i> , 2022 , 1-1 | 4 | 0 |
| 413 | SOA assisted wavelength reusing for 25G colorless PON with low-cost 10G EAM. <i>IEEE Photonics Journal</i> , 2022 , 1-1 | 1.8 | 0 |
| 412 | A GMM-based non-uniform quantization scheme for improving low-resolution IMDD-UFMC system performance. <i>Optical Fiber Technology</i> , 2022 , 71, 102943 | 2.4 | 1 |
| 411 | Effect of ADC parameters on neural network based chaotic optical communication. <i>Optics Letters</i> , 2021 , 46, 90-93 | 3 | 4 |
| 410 | Imbalanced Mach-Zehnder Modulator for Fading Suppression in Dispersion-Uncompensated Direct Detection System. <i>Electronics (Switzerland)</i> , 2021 , 10, 2866 | 2.6 | 1 |
| 409 | Enabling Technologies for Comprehensive Optical Mobile Fronthaul Access Network 2021 , | | 1 |

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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 408 | Community Sports Organization Development From a Social Network Evolution Perspective--Structures, Stages, and Stimulus. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 1-12 | 4.5 | |
| 407 | FPGA-based Implementation of Artificial Neural Network for Nonlinear Signal-to-Noise Ratio Estimation 2021 , | | 1 |
| 406 | 2.7 Gb/s Secure Key Generation and Distribution Using Bidirectional Polarization Scrambler in Fiber. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 289-292 | 2.2 | 6 |
| 405 | Ultra-fast RSOP tracking via 3 pilot tones for short-distance coherent SCM systems. <i>Optics Express</i> , 2021 , 29, 8076-8086 | 3.3 | 3 |
| 404 | Efficient Post-Processing for Physical-Layer Secure Key Distribution in Fiber. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 325-328 | 2.2 | 0 |
| 403 | 284.8-Mb/s Physical-Layer Cryptographic Key Generation and Distribution in Fiber Networks. <i>Journal of Lightwave Technology</i> , 2021 , 39, 1595-1601 | 4 | 8 |
| 402 | Digital-Analog Hybrid Optical Access Integrating 56-Gbps PAM-4 Signal and 5G mmWave Signal by Spectral Null Filling. <i>Journal of Lightwave Technology</i> , 2021 , 39, 1278-1288 | 4 | 2 |
| 401 | Physical Layer Dynamic Key Encryption in OFDM-PON System Based on Cellular Neural Network. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-14 | 1.8 | 6 |
| 400 | Trading off security and practicability to explore high-speed and long-haul chaotic optical communication. <i>Optics Express</i> , 2021 , 29, 12750-12762 | 3.3 | 9 |
| 399 | Experimental Demonstration of Multimode Microresonator Sensing by Machine Learning. <i>IEEE Sensors Journal</i> , 2021 , 21, 9046-9053 | 4 | 2 |
| 398 | Frequency-offset-tolerant optical frequency comb-based coherent transmission for intra-datacenter interconnections. <i>Optics Express</i> , 2021 , 29, 17522-17533 | 3.3 | 2 |
| 397 | ROADM-Induced Anomaly Localization and Evaluation for Optical Links Based on Receiver DSP and ML. <i>Journal of Lightwave Technology</i> , 2021 , 39, 2696-2703 | 4 | 6 |
| 396 | Point to multi-point physical-layer key generation and distribution in passive optical networks. <i>Optics Letters</i> , 2021 , 46, 3223-3226 | 3 | 3 |
| 395 | A Data-Fusion-Assisted Telemetry Layer for Autonomous Optical Networks. <i>Journal of Lightwave Technology</i> , 2021 , 39, 3400-3411 | 4 | 1 |
| 394 | Machine-learning-based telemetry for monitoring long-haul optical transmission impairments: methodologies and challenges [Invited]. <i>Journal of Optical Communications and Networking</i> , 2021 , 13, E94 | 4.1 | 2 |
| 393 | 16.8 Tb/s True Random Number Generator Based on Amplified Spontaneous Emission. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 699-702 | 2.2 | |
| 392 | FPGA-based digital chaotic anti-interference lidar system. <i>Optics Express</i> , 2021 , 29, 719-728 | 3.3 | 3 |
| 391 | Real-time IBFD transmission system based on adaptive optical self-interference cancellation using the hybrid criteria regular triangle algorithm. <i>Optics Letters</i> , 2021 , 46, 1069-1072 | 3 | 1 |

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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 390 | Subcarrier-pairing entropy loading for digital subcarrier-multiplexing systems with colored-SNR distributions. <i>Optics Express</i> , 2021 , 29, 28852-28863 | 3.3 | 1 |
| 389 | Simplified SVM Equalization Algorithm Based on Single Hyperplane Training Enabled 50Gb/s PAM-4/8 With 10-G Optics in NG-PON System. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-7 | 1.8 | 0 |
| 388 | FPGA-Based Dual-Pulse Anti-Interference Lidar System Using Digital Chaotic Pulse Position Modulation. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 757-760 | 2.2 | 2 |
| 387 | Dimensioning access link capacity for time-varying traffic with mixed packet streams and circuit connections. <i>Journal of Optical Communications and Networking</i> , 2021 , 13, 276 | 4.1 | 0 |
| 386 | An Interpretable Mapping From a Communication System to a Neural Network for Optimal Transceiver-Joint Equalization. <i>Journal of Lightwave Technology</i> , 2021 , 39, 5449-5458 | 4 | 2 |
| 385 | Secure OFDM-PON Using Chaotic Constellation Mapping and Probabilistic Shaping. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 1139-1142 | 2.2 | 4 |
| 384 | Modulation format identification under stringent bandwidth limitation based on an artificial neural network. <i>OSA Continuum</i> , 2021 , 4, 96 | 1.4 | 8 |
| 383 | Parallel Bisection-based Distribution Matching for Nonlinearity-tolerant Probabilistic Shaping in Coherent Optical Communication Systems. <i>Journal of Lightwave Technology</i> , 2021 , 1-1 | 4 | 4 |
| 382 | Sub-sampling generation of ultra-high baud rate PAM/QAM signals via high-order partial response narrowing. <i>Optics Express</i> , 2021 , 29, 44063 | 3.3 | 0 |
| 381 | 50 Gbps PAM-4 Over Up to 80-km Transmission With C-Band DML Enabled by Post-Equalizer. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 643-646 | 2.2 | 14 |
| 380 | An overview of ML-based applications for next generation optical networks. <i>Science China Information Sciences</i> , 2020 , 63, 1 | 3.4 | 4 |
| 379 | Research on a novel mode division multiplexer with low crosstalk, low loss and few mode ring-core transmission channel. <i>Optics Communications</i> , 2020 , 469, 125778 | 2 | 2 |
| 378 | Comparative study of cost-effective coherent and direct detection schemes for 100 Gb/s/IPON. <i>Journal of Optical Communications and Networking</i> , 2020 , 12, D36 | 4.1 | 15 |
| 377 | A State-Merging Scheduling Method for Bulk Transfers with Store-and-Forward over Inter-DC Optical Networks 2020 , | | 2 |
| 376 | Post-Processing Protocol for Physical-Layer Key Generation and Distribution in Fiber Networks. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 901-904 | 2.2 | 6 |
| 375 | . <i>IEEE Access</i> , 2020 , 8, 24829-24846 | 3.5 | 2 |
| 374 | Two-dimensional projection histogram assisted with low-overhead pilots for the common phase error compensation in CO-OFDM system. <i>Optical Fiber Technology</i> , 2020 , 54, 102131 | 2.4 | |
| 373 | 120 GBaud PAM-4/PAM-6 Generation and Detection by Photonic Aided Digital-to-Analog Converter and Linear Equalization. <i>Journal of Lightwave Technology</i> , 2020 , 38, 2226-2230 | 4 | 5 |

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 372 | Comparative investigation on 10G-class and 25G-class receivers for O-band DML-based 25/50'Gbps TDM-PON. <i>Optical Fiber Technology</i> , 2020 , 54, 102105 | 2.4 | |
| 371 | Intelligent control of mode-locked femtosecond pulses by time-stretch-assisted real-time spectral analysis. <i>Light: Science and Applications</i> , 2020 , 9, 13 | 16.7 | 22 |
| 370 | Multi-Parameter Sensing in a Multimode Self-Interference Micro-Ring Resonator by Machine Learning. <i>Sensors</i> , 2020 , 20, | 3.8 | 5 |
| 369 | Soft Failure Identification for Long-haul Optical Communication Systems Based on One-dimensional Convolutional Neural Network. <i>Journal of Lightwave Technology</i> , 2020 , 38, 2992-2999 | 4 | 16 |
| 368 | Unsupervised Learning for Neural Network-Based Blind Equalization. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 569-572 | 2.2 | 6 |
| 367 | Real-time secure optical OFDM transmission with chaotic data encryption. <i>Optics Communications</i> , 2020 , 473, 126005 | 2 | 4 |
| 366 | A novel six-core few-mode fiber with low loss and low crosstalk. <i>Optical Fiber Technology</i> , 2020 , 57, 102211 | 2.1 | 8 |
| 365 | Performance study of an SnF scheduling method for bulk data transfers over inter-datacenter WANs. <i>Optical Switching and Networking</i> , 2020 , 37, 100558 | 1.6 | 1 |
| 364 | Performance and Cost of Upstream Resource Allocation for Inter-Edge-Datacenter Bulk Transfers 2020 , | | 1 |
| 363 | Chaotic Optical Communication Over 1000 km Transmission by Coherent Detection. <i>Journal of Lightwave Technology</i> , 2020 , 38, 4648-4655 | 4 | 18 |
| 362 | Optical Filtering Impairment Monitoring Based on Artificial Neural Network in Coherent Receiver 2020 , | | 1 |
| 361 | Neural network decoder of polar codes with tanh-based modified LLR over FSO turbulence channel. <i>Optics Express</i> , 2020 , 28, 1679-1689 | 3.3 | 7 |
| 360 | Computationally efficient 104 Gb/s PWL-Volterra equalized 2D-TCM-PAM8 in dispersion unmanaged DML-DD system. <i>Optics Express</i> , 2020 , 28, 7070-7079 | 3.3 | 6 |
| 359 | Degenerated look-up table-based perturbative fiber nonlinearity compensation algorithm for probabilistically shaped signals. <i>Optics Express</i> , 2020 , 28, 13401-13413 | 3.3 | 3 |
| 358 | Symmetric carrier assisted differential detection receiver with low-complexity signal-signal beating interference mitigation. <i>Optics Express</i> , 2020 , 28, 19008-19022 | 3.3 | 8 |
| 357 | A Three-stage Training Framework for Customizing Link Models for Optical Networks 2020 , | | 6 |
| 356 | Anomaly Localization in Optical Transmissions Based on Receiver DSP and Artificial Neural Network 2020 , | | 8 |
| 355 | Adaptive over-the-air RF self-interference cancellation using a signal-of-interest driven regular triangle algorithm. <i>Optics Letters</i> , 2020 , 45, 1264-1267 | 3 | 4 |

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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 354 | Hybrid wideband multipath self-interference cancellation with an LMS pre-adaptive filter for in-band full-duplex OFDM signal transmission. <i>Optics Letters</i> , 2020 , 45, 6382-6385 | 3 | 7 |
| 353 | Neural Network-based equalization in high-speed PONs 2020 , | | 6 |
| 352 | DSP-aided Telemetry in Monitoring Linear and Nonlinear Optical Transmission Impairments 2020 , | | 1 |
| 351 | Polar coded probabilistic amplitude shaping for the free space optical atmospheric turbulence channel. <i>Optics Express</i> , 2020 , 28, 33208-33219 | 3.3 | 4 |
| 350 | Training data generation and validation for a neural network-based equalizer. <i>Optics Letters</i> , 2020 , 45, 5113-5116 | 3 | 5 |
| 349 | Time skew enabled vestigial sideband modulation for dispersion-tolerant direct-detection transmission. <i>Optics Letters</i> , 2020 , 45, 6138-6141 | 3 | 4 |
| 348 | AI-Based Modeling and Monitoring Techniques for Future Intelligent Elastic Optical Networks. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 363 | 2.6 | 13 |
| 347 | Carrier-Suppressed Modified Duobinary PAM-4 Signal for Short Reach Transmission 2020 , | | 2 |
| 346 | A Meta-learning-assisted Training Framework for AI Deployment in Optical Networks 2020 , | | 2 |
| 345 | Multi-dimensional Distribution Matching for Probabilistically Shaped High Order Modulation Format 2020 , | | 2 |
| 344 | Q-Learning Based Joint Allocation of Fronthaul and Radio Resources in Multiwavelength-Enabled C-RAN. <i>Lecture Notes in Computer Science</i> , 2020 , 623-634 | 0.9 | |
| 343 | Automatic mode-locking fiber lasers: progress and perspectives. <i>Science China Information Sciences</i> , 2020 , 63, 1 | 3.4 | 10 |
| 342 | Piecewise Linear Equalizer for DML Based PAM-4 Signal Transmission Over a Dispersion Uncompensated Link. <i>Journal of Lightwave Technology</i> , 2020 , 38, 654-660 | 4 | 6 |
| 341 | . <i>Journal of Lightwave Technology</i> , 2020 , 38, 492-503 | 4 | 56 |
| 340 | Genetic Algorithm-Based Fast Real-Time Automatic Mode-Locked Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 7-10 | 2.2 | 7 |
| 339 | A Partial Store-and-Forward Scheduling Method for Inter-Datacenter Bulk Data Transfers. <i>IEEE Access</i> , 2020 , 8, 128167-128181 | 3.5 | 0 |
| 338 | Secure Key Generation and Distribution Using Polarization Dynamics in Fiber 2020 , | | 1 |
| 337 | A study on performance improvement of IMDD-UFMC with modified K-means non-uniform quantization. <i>Optics Communications</i> , 2020 , 476, 126324 | 2 | 3 |

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| 336 | Neural Successive Cancellation Polar Decoder With Tanh-Based Modified LLR Over FSO Turbulence Channel. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-10 | 1.8 | 2 |
| 335 | Workload Based Geo-Distributed Data Center Planning in Fast Developing Economies. <i>IEEE Access</i> , 2020 , 8, 224269-224282 | 3.5 | |
| 334 | Optics-Simplified DSP for 50 Gb/s PON Downstream Transmission using 10 Gb/s Optical Devices. <i>Journal of Lightwave Technology</i> , 2020 , 38, 583-589 | 4 | 10 |
| 333 | Chaotic image encryption algorithm using frequency-domain DNA encoding. <i>IET Image Processing</i> , 2019 , 13, 1535-1539 | 1.7 | 29 |
| 332 | A Powerful Equalizer Based on Modified SVM Classifier Without Nonlinear Kernel Enabled 100-Gb/s NG-EPON System With 10-G Class. <i>IEEE Access</i> , 2019 , 7, 71185-71194 | 3.5 | 5 |
| 331 | . <i>Journal of Lightwave Technology</i> , 2019 , 37, 5780-5789 | 4 | 5 |
| 330 | Real-Time Observation of the Regime Transition Dynamics of Mode-Locked Fiber Lasers. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 1545-1548 | 2.2 | 5 |
| 329 | Chaotic Arnold transform and chirp matrix encryption scheme for enhancing the performance and security of OFDM-PON. <i>Optical Fiber Technology</i> , 2019 , 51, 64-70 | 2.4 | 9 |
| 328 | Application of Machine Learning in Fiber Nonlinearity Modeling and Monitoring for Elastic Optical Networks. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3055-3063 | 4 | 36 |
| 327 | Mechanism Design and Performance Analysis of Coordinated Registration Protocol for NG-EPON. <i>Journal of Optical Communications and Networking</i> , 2019 , 11, 107 | 4.1 | 2 |
| 326 | A long single-span dispersion-decreasing-like fiber transmission system. <i>Optics and Laser Technology</i> , 2019 , 116, 338-344 | 4.2 | 3 |
| 325 | High-Resolution Brillouin Optoelectronic Oscillator Using High-Order Sideband Injection-Locking. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 513-516 | 2.2 | 5 |
| 324 | A comprehensive optical mobile fronthaul network toward high-fidelity, flexible and low-latency transport. <i>Photonic Network Communications</i> , 2019 , 37, 322-334 | 1.7 | |
| 323 | Chaos Synchronization Error Compensation by Neural Network. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 1104-1107 | 2.2 | 6 |
| 322 | On-Chip All-Optical Wavelength Conversion of PAM-4 Signals Using an Integrated SOA-Based Turbo-Switch Circuit. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3956-3962 | 4 | 4 |
| 321 | Optical Grooming Capable Wavelength Division Multiplexing node architecture for beyond 100 Gbps transport. <i>Optical Switching and Networking</i> , 2019 , 34, 67-78 | 1.6 | 2 |
| 320 | All-Optical Wavelength Conversion in an InP Photonic Integrated Turbo-Switch. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 1576-1579 | 2.2 | 0 |
| 319 | Physical-Layer OFDM Data Encryption using Chaotic QAM Mapping 2019 , | | 1 |

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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 318 | Multidimensional vector quantization-based fast statistical estimation in compressed digitalized radio-over-fiber systems. <i>Applied Optics</i> , 2019 , 58, 3418-3425 | 1.7 | 3 |
| 317 | Dissipative sensing with low detection limit in a self-interference microring resonator. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 942 | 1.7 | 7 |
| 316 | Adaptive optical self-interference cancellation for in-band full-duplex systems using regular triangle algorithm. <i>Optics Express</i> , 2019 , 27, 4116-4125 | 3.3 | 6 |
| 315 | Nonlinear Tomlinson-Harashima precoding for direct-detected double sideband PAM-4 transmission without dispersion compensation. <i>Optics Express</i> , 2019 , 27, 19156-19167 | 3.3 | 17 |
| 314 | Brillouin-based dual-frequency microwave signals generation using polarization-multiplexing modulation. <i>Optics Express</i> , 2019 , 27, 24847-24856 | 3.3 | 3 |
| 313 | Reservoir computing system with double optoelectronic feedback loops. <i>Optics Express</i> , 2019 , 27, 27431-27440 | 3.3 | 22 |
| 312 | Error-free secure key generation and distribution using dynamic Stokes parameters. <i>Optics Express</i> , 2019 , 27, 29207-29216 | 3.3 | 18 |
| 311 | Accelerated key generation and distribution using polarization scrambling in optical fiber. <i>Optics Express</i> , 2019 , 27, 35761-35773 | 3.3 | 16 |
| 310 | Single-step digital backpropagation for subcarrier-multiplexing transmissions. <i>Optics Express</i> , 2019 , 27, 36680-36690 | 3.3 | 4 |
| 309 | Beyond 200 Gbps per Lane Intensity Modulation Direct Detection (IM/DD) Transmissions for Optical Interconnects: Challenges and Recent Developments 2019 , | | 10 |
| 308 | 32 Gb/s chaotic optical communications by deep-learning-based chaos synchronization. <i>Optics Letters</i> , 2019 , 44, 5776-5779 | 3 | 33 |
| 307 | Intelligent programmable mode-locked fiber laser with a human-like algorithm. <i>Optica</i> , 2019 , 6, 362 | 8.6 | 40 |
| 306 | SVM-Modified-FFE Enabled Chirp Management for 10G DML-based 50Gb/s/1PAM4 IM-DD PON 2019 , | | 4 |
| 305 | Machine learning classifier based on FE-KNN enabled high-capacity PAM-4 and NRZ transmission with 10-G class optics. <i>Optics Express</i> , 2019 , 27, 25802-25813 | 3.3 | 4 |
| 304 | Low overhead equalization algorithm for simultaneously estimating channel and mitigating intrinsic imaginary interference in IMDD-OQAM-OFDM system. <i>Optics Communications</i> , 2019 , 430, 256-261 | 2.6 | 7 |
| 303 | Machine Learning for 100 Gb/s/1Passive Optical Network. <i>Journal of Lightwave Technology</i> , 2019 , 37, 1621-1630 | 4 | 58 |
| 302 | Real-time adaptive optical self-interference cancellation system for in-band full-duplex transmission. <i>Optics Communications</i> , 2019 , 437, 259-263 | 2 | 6 |
| 301 | A novel FABP quantization scheme for improving performance in low-bit IMDD-FBMC system. <i>Optics Communications</i> , 2019 , 437, 199-203 | 2 | 4 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 300 | Chaotic distribution of QAM symbols for secure OFDM signal transmission. <i>Optical Fiber Technology</i> , 2019 , 47, 61-65 | 2.4 | 7 |
| 299 | Low-Complexity Blind Carrier Phase Recovery for C-mQAM Coherent Systems. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-14 | 1.8 | 2 |
| 298 | Multi-Gbit/s real-time modems for chaotic optical OFDM data encryption and decryption. <i>Optics Communications</i> , 2019 , 432, 39-43 | 2 | 4 |
| 297 | Dimensioning of store-and-transfer WDM networks with stratified ROADM node. <i>Optical Switching and Networking</i> , 2019 , 31, 100-113 | 1.6 | 5 |
| 296 | Modular AWG-based Interconnection for Large-Scale Data Center Networks. <i>IEEE Transactions on Cloud Computing</i> , 2018 , 6, 785-799 | 3.3 | 12 |
| 295 | . <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 599-602 | 2.2 | 2 |
| 294 | OLS-Based RBF Neural Network for Nonlinear and Linear Impairments Compensation in the CO-OFDM System. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-8 | 1.8 | 4 |
| 293 | Overlapping shared segment protection in store-and-transfer WDM networks under sliding scheduled traffic model. <i>Optical Switching and Networking</i> , 2018 , 29, 1-14 | 1.6 | 1 |
| 292 | Chaotic Constellation Mapping for Physical-Layer Data Encryption in OFDM-PON. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 339-342 | 2.2 | 33 |
| 291 | Flexible Baseband-Unit Aggregation Enabled by Reconfigurable Multi-IF Over WDM Fronthaul. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-10 | 1.8 | 3 |
| 290 | Key Distribution Based on Phase Fluctuation Between Polarization Modes in Optical Channel. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 704-707 | 2.2 | 20 |
| 289 | A Parallel Complex Coloring Algorithm for Scheduling of Input-Queued Switches. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2018 , 29, 1456-1468 | 3.7 | 7 |
| 288 | Chirp-aided power fading mitigation for upstream 100 km full-range long reach PON with DBR DML. <i>Optics Communications</i> , 2018 , 407, 63-68 | 2 | 13 |
| 287 | Chaotic optical communications over 100-km fiber transmission at 30-Gb/s bit rate. <i>Optics Letters</i> , 2018 , 43, 1323-1326 | 3 | 70 |
| 286 | Generation and phase noise analysis of a wide optoelectronic oscillator with ultra-high resolution based on stimulated Brillouin scattering. <i>Optics Express</i> , 2018 , 26, 16113-16124 | 3.3 | 22 |
| 285 | High-fidelity and low-latency mobile fronthaul based on segment-wise TDM and MIMO-interleaved arraying. <i>Optics Express</i> , 2018 , 26, 2079-2088 | 3.3 | 5 |
| 284 | 50-Gb/s TDM-PON Based on 10G-Class Devices by Optics-simplified DSP 2018 , | | 5 |
| 283 | Spectrally efficient digitized radio-over-fiber system with k-means clustering-based multidimensional quantization. <i>Optics Letters</i> , 2018 , 43, 1546-1549 | 3 | 20 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 282 | Nonlinearity-aware 200 Gbit/s DMT transmission for C-band short-reach optical interconnects with a single packaged electro-absorption modulated laser. <i>Optics Letters</i> , 2018 , 43, 182-185 | 3 | 27 |
| 281 | Flexible Wavelength and Dynamic Bandwidth Allocation for NG-EPONs. <i>Journal of Optical Communications and Networking</i> , 2018 , 10, 643 | 4.1 | 18 |
| 280 | EML-Based Multi-Path Self-Interference Cancellation With Adaptive Frequency-Domain Pre-Equalization. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 1103-1106 | 2.2 | 8 |
| 279 | On the efficiency and fairness of dynamic wavelength and bandwidth allocation algorithms for scheduling multi-type ONUs in NG-EPON. <i>Optical Fiber Technology</i> , 2018 , 45, 208-216 | 2.4 | 7 |
| 278 | Design and analysis of high-speed optical access networks in the O-band with DSP-free ONUs and low-bandwidth optics. <i>Optics Express</i> , 2018 , 26, 27873-27884 | 3.3 | 10 |
| 277 | Impact of SOA-induced pattern effect on the filter requirements in vestigial sideband direct detected PAM4 transmission. <i>Optics Express</i> , 2018 , 26, 30305-30312 | 3.3 | 4 |
| 276 | Performance comparison of DML, EML and MZM in dispersion-unmanaged short reach transmissions with digital signal processing. <i>Optics Express</i> , 2018 , 26, 34288-34304 | 3.3 | 39 |
| 275 | Demonstration of 50Gb/s/Symmetric PAM4 TDM-PON with 10G-class Optics and DSP-free ONUs in the O-band 2018 , | | 6 |
| 274 | An IF-Free TDM Fronthaul Aggregating Two 128-MIMO Signals with Enhanced Spectral Efficiency Using Baseband Sample Interleaved Gathering 2018 , | | 1 |
| 273 | Adaptive wavelength allocation pattern for an online DWBA in the NG-EPON. <i>OSA Continuum</i> , 2018 , 1, 690 | 1.4 | 3 |
| 272 | Programmable and fast-switchable passively harmonic mode-locking fiber laser 2018 , | | 3 |
| 271 | High tolerance against chirp induced distortions in PAM4-based digital mobile fronthaul by sample bits interleaving. <i>Optics Express</i> , 2018 , 26, 28206-28215 | 3.3 | 1 |
| 270 | Symmetric 100-Gb/s TWDM-PON in O-Band Based on 10G-Class Optical Devices Enabled by Dispersion-Supported Equalization. <i>Journal of Lightwave Technology</i> , 2018 , 36, 580-586 | 4 | 20 |
| 269 | Power budget enhancement in NG-EPON system employing novel twisted-PAM4. <i>Optics Communications</i> , 2018 , 410, 627-631 | 2 | 2 |
| 268 | Secure OFDM Transmission Precoded by Chaotic Discrete Hartley Transform. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-9 | 1.8 | 22 |
| 267 | All-Optical Wavelength Conversion of PAM-4 Signal using Photonic Integrated Turbo-Switch 2018 , | | 1 |
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