

Yun C Chung

List of Publications by Year in descending order

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748
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 10-Gb/s Operation of RSOA for WDM PON. IEEE Photonics Technology Letters, 2008, 20, 1533-1535. | 2.5 | 156 |
| 2 | High-Speed Multimode Fiber Transmission by Using Mode-Field Matched Center-Launching Technique. Journal of Lightwave Technology, 2009, 27, 1018-1026. | 4.6 | 102 |
| 3 | A Review of the Polarization-Nulling Technique for Monitoring Optical-Signal-to-Noise Ratio in Dynamic WDM Networks. Journal of Lightwave Technology, 2006, 24, 4162-4171. | 4.6 | 98 |
| 4 | RoF-Based Mobile Fronthaul Networks Implemented by Using DML and EML for 5G Wireless Communication Systems. Journal of Lightwave Technology, 2018, 36, 2874-2881. | 4.6 | 64 |
| 5 | 25.78-Gb/s Operation of RSOA for Next-Generation Optical Access Networks. IEEE Photonics Technology Letters, 2011, 23, 495-497. | 2.5 | 60 |
| 6 | Long-Reach Coherent WDM PON Employing Self-Polarization-Stabilization Technique. Journal of Lightwave Technology, 2011, 29, 456-462. | 4.6 | 56 |
| 7 | Effects of Reflection in RSOA-Based WDM PON Utilizing Remodulation Technique. Journal of Lightwave Technology, 2009, 27, 1286-1295. | 4.6 | 52 |
| 8 | DSP-based CSO cancellation technique for RoF transmission system implemented by using directly modulated laser. Optics Express, 2017, 25, 12152. | 3.4 | 43 |
| 9 | Full-Duplex Radio-Over-Fiber System Using Phase-Modulated Downlink and Intensity-Modulated Uplink. IEEE Photonics Technology Letters, 2009, 21, 9-11. | 2.5 | 40 |
| 10 | Transmission of 5156-Gb/s OOK signal using 155- μ m directly modulated laser and duobinary electrical equalizer. Optics Express, 2016, 24, 22555. | 3.4 | 38 |
| 11 | Impact of Multipath Interference on the Performance of RoF-Based Mobile Fronthaul Network Implemented by Using DML. Journal of Lightwave Technology, 2017, 35, 145-151. | 4.6 | 32 |
| 12 | Recent Advancement in WDM PON Technology. , 2011, , . | | 31 |
| 13 | Broadband IF-Over-Fiber Transmission With Parallel IM/PM Transmitter Overcoming Dispersion-Induced RF Power Fading for High-Capacity Mobile Fronthaul Links. IEEE Photonics Journal, 2018, 10, 1-9. | 2.0 | 29 |
| 14 | Enhanced Operating Range of WDM PON Implemented by Using Uncooled RSOAs. IEEE Photonics Technology Letters, 2008, 20, 1536-1538. | 2.5 | 28 |
| 15 | Measurement of Differential Phasor Diagram of Multilevel DPSK Signals by Using an Adjustment-Free Delay Interferometer Composed of a 3 \times 3 Optical Coupler. Journal of Lightwave Technology, 2009, 27, 718-730. | 4.6 | 20 |
| 16 | 20-Gb/s Polar RZ 4-PAM Transmission Over 20-km SSMF Using RSOA and Direct Detection. IEEE Photonics Technology Letters, 2015, 27, 1116-1119. | 2.5 | 19 |
| 17 | Performance of Forward-Error Correction Code in 10-Gb/s RSOA-Based WDM PON. IEEE Photonics Technology Letters, 2010, 22, 57-59. | 2.5 | 16 |
| 18 | Reflection-Tolerant RoF-Based Mobile Fronthaul Network for 5G Wireless Systems. Journal of Lightwave Technology, 2019, 37, 6105-6113. | 4.6 | 15 |

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| 19 | Demonstration of RSOA-based WDM PON Operating at Symmetric Rate of 1.25 Gb/s with High Reflection Tolerance. , 2008, , . | | 14 |
| 20 | 25-Gb/s TDM Optical Link Using EMLs for Mobile Fronthaul Network of LTE-A System. IEEE Photonics Technology Letters, 2015, 27, 1825-1828. | 2.5 | 14 |
| 21 | Transmission of 10-Gb/s and 40-Gb/s Signals over 3.7 km of Multimode Fiber using Mode-Field Matched Center Launching Technique. , 2007, , . | | 13 |
| 22 | Reflection tolerance of RSOA-based WDM PON. , 2008, , . | | 13 |
| 23 | Design Issues in RSOA-based WDM PON. , 2008, , . | | 11 |
| 24 | Raman Crosstalk Suppression in CATV Overlay Passive Optical Network. IEEE Photonics Technology Letters, 2007, 19, 695-697. | 2.5 | 10 |
| 25 | Compensation of Mode Crosstalk in MDM System Using Digital Optical Phase Conjugation. IEEE Photonics Technology Letters, 2019, 31, 739-742. | 2.5 | 10 |
| 26 | Generation of high-speed PAM4 signal by overdriving two Mach-Zehnder modulators. OSA Continuum, 2019, 2, 486. | 1.8 | 10 |
| 27 | Electroabsorption Modulated Laser With High Immunity to Residual Facet Reflection. IEEE Journal of Quantum Electronics, 2012, 48, 1203-1213. | 1.9 | 9 |
| 28 | Effects of Electrical and Optical Equalizations in 28-Gb/s RSOA-Based WDM PON. IEEE Photonics Technology Letters, 2016, 28, 2537-2540. | 2.5 | 9 |
| 29 | A Cost-Effective 2-Channel OTDM System Implemented With Sinusoidally Modulated Light Source. IEEE Access, 2020, 8, 157504-157509. | 4.2 | 9 |
| 30 | Traffic shaping at the edge node in synchronous optical packet-switched networks. Photonic Network Communications, 2006, 13, 103-110. | 2.7 | 8 |
| 31 | OSNR Monitoring Technique for DPSK/DQPSK Signals Based on Self-Heterodyne Detection. IEEE Photonics Technology Letters, 2008, 20, 1124-1126. | 2.5 | 8 |
| 32 | Chromatic dispersion tolerance of 10-Gb/s WDM PON implemented by using bandwidth-limited RSOAs. , 2009, , . | | 8 |
| 33 | Feasibility of RoF-based optical fronthaul network for next-generation mobile communications. , 2017, , . | | 8 |
| 34 | Effects of Downstream Modulation Formats on the Performance of Bidirectional WDM-PON using RSOA. , 2007, , . | | 7 |
| 35 | Review of optical performance monitoring techniques. , 2008, , . | | 7 |
| 36 | Simultaneous Monitoring Technique for OSNR and PMD Based on Four-Wave Mixing in SOA. , 2008, , . | | 7 |

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| 37 | 10-Gb/s Operation of RSOA for WDM PON Using Return-to-Zero Modulation Format. , 2012, , . | | 7 |
| 38 | A Novel Four-Wave Mixing Compensator. IEEE Photonics Technology Letters, 2007, 19, 36-38. | 2.5 | 6 |
| 39 | Robustness Evaluation of MMF Transmission Link using Mode-Field Matched Center-Launching Technique. , 2008, , . | | 6 |
| 40 | Adaptive Blind CSO Cancellation Technique for RoF Systems Implemented by Using DMLs. IEEE Photonics Technology Letters, 2018, 30, 1745-1748. | 2.5 | 6 |
| 41 | Direct-Detection Receiver for Polarization-Division-Multiplexed OOK Signals. IEEE Photonics Technology Letters, 2015, 27, 2238-2241. | 2.5 | 5 |
| 42 | IF-over-Fiber Technology Aiming at Efficient Bandwidth Utilization and Perfect Centralized Control for Next-Generation Mobile Fronthaul Links in C-RAN Architectures. IEICE Transactions on Communications, 2018, E101.B, 952-960. | 0.7 | 5 |
| 43 | MPI Noise Reduction in RoF-Based Mobile Fronthaul Network Using High-Frequency Phase Dither. , 2018, , . | | 5 |
| 44 | 294-Gb/s CPRI-Equivalent-Rate Radio-over-Fiber Mobile Fronthaul Network Using a 1.55- μm DML and Dispersion-Induced CSO Cancellation. , 2017, , . | | 4 |
| 45 | 28-Gb/s Upstream Transmission in RSOA-based WDM PON Using Polar RZ PAM-N Format and Direct Detection. , 2016, , . | | 4 |
| 46 | 300-Gb/s Transmission Using OTDM System Implemented With Sinusoidally Modulated Input Light Source. IEEE Photonics Technology Letters, 2022, 34, 745-748. | 2.5 | 4 |
| 47 | Optical Performance Monitoring in WDM Networks: Progresses and Challenges. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , . | 0.0 | 3 |
| 48 | Plug-and-Play Phasor Monitor for DxPSK Signals Based on Single Delay-Interferometer Using a 3 μm –3 Optical Coupler. , 2008, , . | | 3 |
| 49 | Quality Monitoring of DxPSK Signals by Using Differential Phasor Diagram. IEEE Photonics Technology Letters, 2009, 21, 1305-1307. | 2.5 | 3 |
| 50 | Wavelength- and Polarization-Independent Operation of Differential M-ary PSK Receiver Based on Single Delay Interferometer Using 120° Optical Hybrid. IEEE Photonics Technology Letters, 2009, 21, 1411-1413. | 2.5 | 3 |
| 51 | Optical fronthaul technologies for next-generation mobile communications. , 2016, , . | | 3 |
| 52 | Simultaneous Transmission of Aggregated Microwave and Millimeter-wave Signals over Fiber with Parallel IM/PM Transmitter for Mobile Fronthaul Links. , 2017, , . | | 3 |
| 53 | Effects of Multi-Level Format in MMF System Based on Mode-Field Matched Center-Launching Technique. IEEE Photonics Technology Letters, 2018, 30, 1972-1975. | 2.5 | 3 |
| 54 | RF-chirp phase dither for MPI mitigation in RoF-based 5G mobile fronthaul networks. Optics Express, 2020, 28, 32002. | 3.4 | 3 |

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| 55 | Enhanced sensitivity of DxPSK receiver by using data-aided phase noise estimation algorithm. , 2009, , . | | 2 |
| 56 | Multi-ring architecture for survivable WDM PON. , 2012, , . | | 2 |
| 57 | Practical Multiplexing Techniques for Next-Generation Data Center Network. , 2020, , . | | 2 |
| 58 | 112-Gb/s PAM4 Transmission Over 1 km of MMF With Mode-Field Matched Center-Launching in 850-nm Band. IEEE Photonics Technology Letters, 2021, 33, 23-26. | 2.5 | 2 |
| 59 | Monitoring Technique for ASE and MPI Noises in Distributed Raman Amplified Systems. , 2007, , . | | 1 |
| 60 | Four-Wave Mixing Compensator based on Highly Nonlinear Fiber. , 2007, , . | | 1 |
| 61 | Ultra-fast Clock Recovery Based on Pre-embedded Sub-harmonic Clock in Optical Burst/Package Networks. , 2007, , . | | 1 |
| 62 | 1 Tbps/km transmission over MMF (Invited). , 2008, , . | | 1 |
| 63 | OSNR Monitoring Technique for DPSK/DQPSK Signals Based on Self-Heterodyne Detection. , 2008, , . | | 1 |
| 64 | Enhanced performance of NOLM-based 2R regenerator by using optical bandpass filter. , 2009, , . | | 1 |
| 65 | Enhanced Tolerance to Phase Distortion Due to Setting Errors in a DxPSK Modulator by Using Data-Aided Phase Noise Estimation Algorithm. IEEE Photonics Technology Letters, 2009, 21, 1846-1848. | 2.5 | 1 |
| 66 | A simple OSNR monitoring technique based on RF spectrum analysis for PDM-QPSK signals. , 2012, , . | | 1 |
| 67 | Simple SSMF-based two-channel MGDM system operating in the 0.8- μm wavelength region. Optics Letters, 2021, 46, 1608. | 3.3 | 1 |
| 68 | Difference-Frequency Generation of Terahertz Wave Using a LiNbO ₃ Ribbon Waveguide in Collinear Configuration. , 2007, , . | | 0 |
| 69 | Quasi Single-Mode Fiber for the Cost-Effective Implementation of Broadband Access Networks. , 2007, , . | | 0 |
| 70 | A simple and accurate measurement method of chromatic dispersion of multi-mode fiber. , 2009, , . | | 0 |
| 71 | Adjustment-free non-coherent receiver for advanced modulation formats. , 2009, , . | | 0 |
| 72 | High-speed MMF transmission by using mode-field matched center-launching technique. , 2009, , . | | 0 |

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| 73 | Impact of using multi-level modulation format in multi-core fiber. , 2012, , . | | 0 |
| 74 | Electronic phase equalization technique for 10-Gb/s RSOA-based coherent WDM PON. , 2012, , . | | 0 |
| 75 | Investigation of optical frequency comb generation with sharp spectral edges using external modulators. , 2015, , . | | 0 |
| 76 | Space-efficient single-mode fiber with reduced cladding diameter. , 2015, , . | | 0 |
| 77 | 25.2923-Gb/s optical link using EML for mobile fronthaul network of LTE-A systems. , 2015, , . | | 0 |
| 78 | Ultrahigh-speed short-reach fiber-optic links based on directly modulated lasers. , 2017, , . | | 0 |
| 79 | Demonstration of 4-Channel MDM System Based on Digital Optical Phase Conjugation. , 2018, , . | | 0 |
| 80 | Toward Practical RoF-based MFN for 5G Wireless Communication Systems. , 2019, , . | | 0 |
| 81 | Effects of External Optical Feedback on PAM4 Signal in VCSEL-Based SMF Link. IEEE Photonics Technology Letters, 2020, 32, 871-874. | 2.5 | 0 |
| 82 | Simplified 2-Channel OTDM System Using Sinusoidally Modulated Light Source. , 2020, , . | | 0 |
| 83 | MQDM Transmission of 2 ⁸ -28-Gb/s OOK signals Operating in 0.8-1.4 μ m Region over 2.2 km of SSMF. , 2020, , . | | 0 |
| 84 | 84-Gb/s DMT Transmission over 5 km of SSMF Using Injection-Locked 10G-class 1.55- μ m VCSEL. , 2020, , . | | 0 |
| 85 | Novel Direct-Detection Receiver for Orthogonal Offset-Carrier Assisted PDM System. IEEE Photonics Technology Letters, 2022, 34, 71-74. | 2.5 | 0 |
| 86 | High-Bandwidth InGaAs Photodetectors Heterogeneously Integrated on Silicon Waveguides Using Optofluidic Assembly. Laser and Photonics Reviews, 2022, 16, . | 8.7 | 0 |