

Yun C Chung

List of Publications by Year in descending order

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86
papers

1,167
citations

516710

16
h-index

414414

32
g-index

86
all docs

86
docs citations

86
times ranked

748
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Direct-Detection Receiver for Orthogonal Offset-Carrier Assisted PDM System. IEEE Photonics Technology Letters, 2022, 34, 71-74.	2.5	0
2	High-Bandwidth InGaAs Photodetectors Heterogeneously Integrated on Silicon Waveguides Using Optofluidic Assembly. Laser and Photonics Reviews, 2022, 16, .	8.7	0
3	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
4	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
5	Simple SSMF-based two-channel MGDM system operating in the 0.8- μm wavelength region. Optics Letters, 2021, 46, 1608.	3.3	1
6	Effects of External Optical Feedback on PAM4 Signal in VCSEL-Based SMF Link. IEEE Photonics Technology Letters, 2020, 32, 871-874.	2.5	0
7	Practical Multiplexing Techniques for Next-Generation Data Center Network. , 2020, , .		2
8	A Cost-Effective 2-Channel OTDM System Implemented With Sinusoidally Modulated Light Source. IEEE Access, 2020, 8, 157504-157509.	4.2	9
9	RF-chirp phase dither for MPI mitigation in RoF-based 5G mobile fronthaul networks. Optics Express, 2020, 28, 32002.	3.4	3
10	Simplified 2-Channel OTDM System Using Sinusoidally Modulated Light Source. , 2020, , .		0
11	MGDM Transmission of 2–28-Gb/s OOK signals Operating in 0.8- μm Region over 2.2 km of SSMF. , 2020, , .		0
12	84-Gb/s DMT Transmission over 5 km of SSMF Using Injection-Locked 10G-class 1.55- μm VCSEL. , 2020, , .		0
13	Reflection-Tolerant RoF-Based Mobile Fronthaul Network for 5G Wireless Systems. Journal of Lightwave Technology, 2019, 37, 6105-6113.	4.6	15
14	Compensation of Mode Crosstalk in MDM System Using Digital Optical Phase Conjugation. IEEE Photonics Technology Letters, 2019, 31, 739-742.	2.5	10
15	Toward Practical RoF-based MFN for 5G Wireless Communication Systems. , 2019, , .		0
16	Generation of high-speed PAM4 signal by overdriving two Mach-Zehnder modulators. OSA Continuum, 2019, 2, 486.	1.8	10
17	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
18	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

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19	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
20	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
21	Demonstration of 4-Channel MDM System Based on Digital Optical Phase Conjugation. , 2018, , .		0
22	MPI Noise Reduction in RoF-Based Mobile Fronthaul Network Using High-Frequency Phase Dither. , 2018, , .		5
23	Adaptive Blind CSO Cancellation Technique for RoF Systems Implemented by Using DMLs. IEEE Photonics Technology Letters, 2018, 30, 1745-1748.	2.5	6
24	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
25	Ultrahigh-speed short-reach fiber-optic links based on directly modulated lasers. , 2017, , .		0
26	Simultaneous Transmission of Aggregated Microwave and Millimeter-wave Signals over Fiber with Parallel IM/PM Transmitter for Mobile Fronthaul Links. , 2017, , .		3
27	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
28	Feasibility of RoF-based optical fronthaul network for next-generation mobile communications. , 2017, , .		8
29	DSP-based CSO cancellation technique for RoF transmission system implemented by using directly modulated laser. Optics Express, 2017, 25, 12152.	3.4	43
30	Transmission of 5156-Gb/s OOK signal using 155- μm directly modulated laser and duobinary electrical equalizer. Optics Express, 2016, 24, 22555.	3.4	38
31	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
32	Optical fronthaul technologies for next-generation mobile communications. , 2016, , .		3
33	28-Gb/s Upstream Transmission in RSOA-based WDM PON Using Polar RZ PAM-N Format and Direct Detection. , 2016, , .		4
34	Investigation of optical frequency comb generation with sharp spectral edges using external modulators. , 2015, , .		0
35	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
36	Space-efficient single-mode fiber with reduced cladding diameter. , 2015, , .		0

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37	25.2923-Gb/s optical link using EML for mobile fronthaul network of LTE-A systems. , 2015, , .		0
38	Direct-Detection Receiver for Polarization-Division-Multiplexed OOK Signals. IEEE Photonics Technology Letters, 2015, 27, 2238-2241.	2.5	5
39	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
40	Impact of using multi-level modulation format in multi-core fiber. , 2012, , .		0
41	A simple OSNR monitoring technique based on RF spectrum analysis for PDM-QPSK signals. , 2012, , .		1
42	Electroabsorption Modulated Laser With High Immunity to Residual Facet Reflection. IEEE Journal of Quantum Electronics, 2012, 48, 1203-1213.	1.9	9
43	Electronic phase equalization technique for 10-Gb/s RSOA-based coherent WDM PON. , 2012, , .		0
44	Multi-ring architecture for survivable WDM PON. , 2012, , .		2
45	10-Gb/s Operation of RSOA for WDM PON Using Return-to-Zero Modulation Format. , 2012, , .		7
46	25.78-Gb/s Operation of RSOA for Next-Generation Optical Access Networks. IEEE Photonics Technology Letters, 2011, 23, 495-497.	2.5	60
47	Long-Reach Coherent WDM PON Employing Self-Polarization-Stabilization Technique. Journal of Lightwave Technology, 2011, 29, 456-462.	4.6	56
48	Recent Advancement in WDM PON Technology. , 2011, , .		31
49	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
50	Chromatic dispersion tolerance of 10-Gb/s WDM PON implemented by using bandwidth-limited RSOAs. , 2009, , .		8
51	A simple and accurate measurement method of chromatic dispersion of multi-mode fiber. , 2009, , .		0
52	Enhanced performance of NOLM-based 2R regenerator by using optical bandpass filter. , 2009, , .		1
53	Adjustment-free non-coherent receiver for advanced modulation formats. , 2009, , .		0
54	Measurement of Differential Phasor Diagram of Multilevel DPSK Signals by Using an Adjustment-Free Delay Interferometer Composed of a 3\$,imes,\$3 Optical Coupler. Journal of Lightwave Technology, 2009, 27, 718-730.	4.6	20

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55	High-Speed Multimode Fiber Transmission by Using Mode-Field Matched Center-Launching Technique. Journal of Lightwave Technology, 2009, 27, 1018-1026.	4.6	102
56	Effects of Reflection in RSOA-Based WDM PON Utilizing Remodulation Technique. Journal of Lightwave Technology, 2009, 27, 1286-1295.	4.6	52
57	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
58	Quality Monitoring of DxPSK Signals by Using Differential Phasor Diagram. IEEE Photonics Technology Letters, 2009, 21, 1305-1307.	2.5	3
59	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
60	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
61	Enhanced sensitivity of DxPSK receiver by using data-aided phase noise estimation algorithm. , 2009, , .		2
62	High-speed MMF transmission by using mode-field matched center-launching technique. , 2009, , .		0
63	OSNR Monitoring Technique for DPSK/DQPSK Signals Based on Self-Heterodyne Detection. IEEE Photonics Technology Letters, 2008, 20, 1124-1126.	2.5	8
64	10-Gb/s Operation of RSOA for WDM PON. IEEE Photonics Technology Letters, 2008, 20, 1533-1535.	2.5	156
65	Enhanced Operating Range of WDM PON Implemented by Using Uncooled RSOAs. IEEE Photonics Technology Letters, 2008, 20, 1536-1538.	2.5	28
66	≫1 Tbps·km transmission over MMF (Invited). , 2008, , .		1
67	Review of optical performance monitoring techniques. , 2008, , .		7
68	Design Issues in RSOA-based WDM PON. , 2008, , .		11
69	Plug-and-Play Phasor Monitor for DxPSK Signals Based on Single Delay-Interferometer Using a $3\text{--}3$ Optical Coupler. , 2008, , .		3
70	Demonstration of RSOA-based WDM PON Operating at Symmetric Rate of 1.25 Gb/s with High Reflection Tolerance. , 2008, , .		14
71	Simultaneous Monitoring Technique for OSNR and PMD Based on Four-Wave Mixing in SOA. , 2008, , .		7
72	Reflection tolerance of RSOA-based WDM PON. , 2008, , .		13

#	ARTICLE	IF	CITATIONS
73	Robustness Evaluation of MMF Transmission Link using Mode-Field Matched Center-Launching Technique. , 2008, , .		6
74	OSNR Monitoring Technique for DPSK/DQPSK Signals Based on Self-Heterodyne Detection. , 2008, , .		1
75	Monitoring Technique for ASE and MPI Noises in Distributed Raman Amplified Systems. , 2007, , .		1
76	Optical Performance Monitoring in WDM Networks: Progresses and Challenges. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	3
77	Four-Wave Mixing Compensator based on Highly Nonlinear Fiber. , 2007, , .		1
78	Difference-Frequency Generation of Terahertz Wave Using a LiNbO3 Ribbon Waveguide in Collinear Configuration. , 2007, , .		0
79	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
80	Ultra-fast Clock Recovery Based on Pre-embedded Sub-harmonic Clock in Optical Burst/Package Networks. , 2007, , .		1
81	Quasi Single-Mode Fiber for the Cost-Effective Implementation of Broadband Access Networks. , 2007, , .		0
82	Effects of Downstream Modulation Formats on the Performance of Bidirectional WDM-PON using RSOA. , 2007, , .		7
83	A Novel Four-Wave Mixing Compensator. IEEE Photonics Technology Letters, 2007, 19, 36-38.	2.5	6
84	Raman Crosstalk Suppression in CATV Overlay Passive Optical Network. IEEE Photonics Technology Letters, 2007, 19, 695-697.	2.5	10
85	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
86	Traffic shaping at the edge node in synchronous optical packet-switched networks. Photonic Network Communications, 2006, 13, 103-110.	2.7	8