

A M J Ton Koonen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Beyond 110 GHz Uni-Traveling Carrier Photodiodes on an InP-Membrane-on-Silicon Platform. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-10.	1.9	5
2	Monolithic Integrated Two-Stage Cascaded SOA-PIN Receiver for High-Speed OWC. Optics Letters, 2022, 47, 2578-2581.	1.7	0
3	Automatic Gbps Receiver for Mobile Device in Beam-Steered Infrared Light Communication System. Journal of Lightwave Technology, 2022, 40, 6852-6859.	2.7	2
4	A Hybrid Radio-Optical Wireless System With Efficient Sub-Centimeter Localization for Full-Coverage Indoor Services. Journal of Lightwave Technology, 2021, 39, 2368-2375.	2.7	7
5	Field Trial of a Flexible Real-Time Software-Defined GPU-Based Optical Receiver. Journal of Lightwave Technology, 2021, 39, 2358-2367.	2.7	15
6	Parity-Time Symmetric Optoelectronic Oscillator Based on an Integrated Mode-Locked Laser. IEEE Journal of Quantum Electronics, 2021, 57, 1-9.	1.0	10
7	User Localization and Upstream Signaling for Beam-Steered Infrared Light Communication System. IEEE Photonics Technology Letters, 2021, 33, 545-548.	1.3	13
8	Threshold-Based Fast Successive-Cancellation Decoding of Polar Codes. IEEE Transactions on Communications, 2021, 69, 3541-3555.	4.9	12
9	Efficient Mobility Management for Indoor Optical Wireless Communication System. IEEE Photonics Technology Letters, 2021, 33, 939-942.	1.3	2
10	Beam-Steered Optical Wireless Communication for Industry 4.0. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-10.	1.9	20
11	10,000 km Straight-line Transmission using a Real-time Software-defined GPU-Based Receiver. , 2021, , .		2
12	Compact K-band Photonic Beamsteerer Assisted with Weakly-Coupled Multi-Core Fiber. , 2021, , .		1
13	Spatial Diversity Performance of DMT, PAM4 Gigabits per second Transmission Using POF as Luminaires. , 2021, , .		4
14	Design and Implementation of Mobility Management for Indoor Beam-Steered Infrared Light Communication System. Journal of Lightwave Technology, 2021, 39, 7930-7939.	2.7	3
15	Efficient Handover for Mobile Device in Beam-Steered Infrared Light Communication with Vision-based Localization. , 2021, , .		0
16	Bidirectional WDM-over-POF with Spatial Diversity DMT Gigabits per Second Transmission Using POF as Luminaires. , 2021, , .		1
17	Optical Wireless GbE Receiver with Large Field-of-View. , 2021, , .		2
18	Photonic-assisted Wideband RF Beamformer on InP Membrane on Silicon Platform. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Photonic integrated circuits for optical wireless communication. , 2021, , .		1
20	Automated GbE Receiver for Beam-Steered Infrared Light Communication System. , 2021, , .		0
21	Real-Time 10,000 km Straight-Line Transmission Using a Software-Defined GPU-Based Receiver. IEEE Photonics Technology Letters, 2021, 33, 1519-1522.	1.3	8
22	Optical Generation/Detection of Broadband Microwave Orbital Angular Momentum Modes. Journal of Lightwave Technology, 2020, 38, 1202-1209.	2.7	8
23	Airy Beam for Free-Space Photonic Interconnection: Generation Strategy and Trajectory Manipulation. Journal of Lightwave Technology, 2020, 38, 6474-6480.	2.7	18
24	Implementation of a High-Throughput Fast-SSC Polar Decoder with Sequence Repetition Node. , 2020, , .		6
25	Impulse Response Measurement of Spooled and Twisted Few-Mode Multi-Core Fiber for Short-Range Optical Links. IEEE Photonics Technology Letters, 2020, 32, 1427-1430.	1.3	0
26	Wide-Coverage Beam-Steered 40-Gbit/s Non-Line-of-Sight Optical Wireless Connectivity for Industry 4.0. Journal of Lightwave Technology, 2020, 38, 6801-6806.	2.7	12
27	Integrated tunable phase shifter based on energy-conserved phase amplification and its application for RF-OAM generation. IEEE Journal of Selected Topics in Quantum Electronics, 2020, , 1-1.	1.9	0
28	Integrated Wavelength-Tuned Optical mm-Wave Beamformer With Doubled Delay Resolution. Journal of Lightwave Technology, 2020, 38, 2353-2359.	2.7	10
29	Multi-Beamforming Provided by Dual-Wavelength True Time Delay PIC and Multicore Fiber. Journal of Lightwave Technology, 2020, 38, 5311-5317.	2.7	14
30	Revenue maximization in optical router nodes. Performance Evaluation, 2020, 140-141, 102108.	0.9	2
31	Ultra-high-capacity wireless communication by means of steered narrow optical beams. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190192.	1.6	39
32	Fully Passive User Localization for Beam-Steered High-Capacity Optical Wireless Communication System. Journal of Lightwave Technology, 2020, 38, 2842-2848.	2.7	29
33	Dual-Wavelength Integrated K-band Multi-Beamformer operating over 1-km 7-core Multicore Fiber. , 2020, , .		1
34	Ultra-High-Capacity Indoor Wireless Communication enabled by Photonic Technologies. , 2020, , .		0
35	Real-time, Software-Defined, GPU-Based Receiver Field Trial. , 2020, , .		4
36	Novel Broadband OWC Receiver with Large Aperture and Wide Field-of-View. , 2020, , .		18

#	ARTICLE	IF	CITATIONS
37	Experimental Demonstration of 9.6 Gbit/s Polar Coded Infrared Light Communication System. IEEE Photonics Technology Letters, 2020, 32, 1539-1542.	1.3	3
38	Optical technologies to disclose the spatial diversity dimension in systems and networks. , 2020, , .		0
39	Optically Controlled Beam-steering Wireless Systems. , 2020, , .		1
40	Circumventing LoS Blocking in Beam-Steered Optical-Wireless Systems with Real-time Tracking and Handover. , 2020, , .		1
41	Ultrahigh-Capacity Optical-Wireless Communication Using 2D Gratings for Steering and Decoding of DPSK Signals. , 2020, , .		0
42	Dual-wavelength photonic beamformer for OFDM and single-carrier broadband wireless operating over 1-km 7-core fiber fronthaul. , 2020, , .		1
43	Infrared Optical Wireless Communication (IR-OWC) for Distributed Small Cells. , 2020, , .		1
44	Crosstalk-Mitigated AWGR-Based Two-Dimensional IR Beam-Steered Indoor Optical Wireless Communication System With a High Spatial Resolution. Journal of Lightwave Technology, 2019, 37, 3713-3720.	2.7	2
45	Reflecting AWG by Using Photonic Crystal Reflector on Indium-Phosphide Membrane on Silicon Platform. IEEE Photonics Technology Letters, 2019, 31, 1041-1044.	1.3	6
46	Enhanced Modal Dispersion Estimation Enabled by Chromatic Dispersion Compensation in Optical Vector Network Analysis. Journal of Lightwave Technology, 2019, 37, 4001-4007.	2.7	5
47	Revenue Maximization in an Optical Router Node Using Multiple Wavelengths. , 2019, , .		1
48	Polarization Equalization in Optical Vector Network Analysis for SDM Fiber Characterization. IEEE Photonics Technology Letters, 2019, 31, 1917-1920.	1.3	0
49	Inter-Frame Polar Coding With Dynamic Frozen Bits. IEEE Communications Letters, 2019, 23, 1462-1465.	2.5	8
50	Building 5G Millimeter-Wave Wireless Infrastructure: Wide-Scan Focal-Plane Arrays With Broadband Optical Beamforming. IEEE Antennas and Propagation Magazine, 2019, 61, 53-62.	1.2	25
51	Experimental Demonstration of mm-Wave 5G NR Photonic Beamforming Based on ORRs and Multicore Fiber. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2928-2935.	2.9	29
52	Broadband photonic integrated multi-RF beamformer for K-band applications. , 2019, , .		1
53	Fully passive user localisation for beam-steered high-capacity optical wireless communication system. , 2019, , .		1
54	11,700 km Transmission at 4.8 bit/4D-sym via Four-dimensional Geometrically-shaped Polarization-Ring-Switching Modulation. , 2019, , .		4

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55	Chromatic Dispersion Analysis and Compensation in a Large Core-Count Few-Mode Multi-Core Fiber Based on Optical Vector Network Analysis. , 2019, , .		4
56	Cost-efficient half-duplex 10 Gbit/s all-optical indoor optical wireless communication enabled by a low-cost Fabry-Perot laser/photodetector. Optics Letters, 2019, 44, 1158.	1.7	9
57	Crosstalk-free AWGR-based 2-D IR beam steered optical wireless communication system for high spatial resolution. , 2019, , .		0
58	High-Capacity Dynamic Indoor Network Employing Optical-Wireless and 60-GHz Radio Techniques. Journal of Lightwave Technology, 2018, 36, 1851-1861.	2.7	9
59	Ultrahigh Throughput Indoor Infrared Wireless Communication System Enabled by a Cascaded Aperture Optical Receiver Fabricated on InP Membrane. Journal of Lightwave Technology, 2018, 36, 57-67.	2.7	9
60	Indoor Optical Wireless Systems: Technology, Trends, and Applications. Journal of Lightwave Technology, 2018, 36, 1459-1467.	2.7	169
61	138-Tb/s Mode- and Wavelength-Multiplexed Transmission Over Six-Mode Graded-Index Fiber. Journal of Lightwave Technology, 2018, 36, 1369-1374.	2.7	39
62	Fast Millimeter Wave Assisted Beam-Steering for Passive Indoor Optical Wireless Networks. IEEE Wireless Communications Letters, 2018, 7, 278-281.	3.2	5
63	An Integrated Stepwise Tunable Optical mm-wave Beam Former with Doubled Delay Resolution. , 2018, , .		2
64	Load-Aware Sub-Band and Wavelength Allocation in Radio-over-Fiber Enabled Dense Wireless Pico-Cell Networks. , 2018, , .		0
65	Real-Time High-Definition (HD) Video Over 10-GbE Optical Wireless Communications (OWC) Supporting Simultaneous Access to Multiple Users. , 2018, , .		3
66	Indoor Optical/Radio Wireless Communication - Demonstration of High-Def Video Streaming using Steerable Infrared Beams. , 2018, , .		1
67	A Mode-Matching Method for Three-Dimensional Waveguides With PMLs Combined With Energy Conservation. Journal of Lightwave Technology, 2018, 36, 5573-5579.	2.7	2
68	High-Capacity Optical Wireless Communication Using Two-Dimensional IR Beam Steering. Journal of Lightwave Technology, 2018, 36, 4486-4493.	2.7	80
69	Optimization of Flexible Non-Uniform Multilevel PAM for Maximizing the Aggregated Capacity in PON Deployments. Journal of Lightwave Technology, 2018, 36, 2328-2336.	2.7	19
70	Multi-Format Wired and Wireless Signals over Large-Core Plastic Fibers for In-home Network. Journal of Lightwave Technology, 2018, , 1-1.	2.7	8
71	40 Gb/s indoor optical wireless system enabled by a cyclically arranged optical beamsteering receiver. Optics Letters, 2018, 43, 723.	1.7	10
72	High-Capacity Symmetric Dynamic Indoor Optical Wireless Communication Equipped With User Localization. IEEE Photonics Technology Letters, 2018, 30, 1451-1454.	1.3	0

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73	High-Capacity Dynamic Indoor All-Optical-Wireless Communication System Backed up With Millimeter-Wave Radio Techniques. Journal of Lightwave Technology, 2018, 36, 4460-4467.	2.7	15
74	Membrane-Based Receiver/Transmitter for Reconfigurable Optical Wireless Beam-Steering Systems. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-6.	1.9	7
75	Mode-Multiplexed 16-QAM Transmission over 2400-km Large-Effective-Area Depressed-Cladding 3-Mode Fiber. , 2018, , .		10
76	Low-Crosstalk Full-Duplex All-Optical Indoor Wireless Transmission With Carrier Recovery. IEEE Photonics Technology Letters, 2017, 29, 539-542.	1.3	7
77	Integrated optical reflective amplified modulator for indoor millimetre wave radioâ€™fibre applications. Electronics Letters, 2017, 53, 285-287.	0.5	6
78	38-GHz Millimeter Wave Beam Steered Fiber Wireless Systems for 5G Indoor Coverage: Architectures, Devices, and Links. IEEE Journal of Quantum Electronics, 2017, 53, 1-9.	1.0	36
79	Increasing Flexibility and Capacity in Real PON Deployments by Using 2/4/8-PAM Formats. Journal of Optical Communications and Networking, 2017, 9, A1.	3.3	29
80	High-capacity optical wireless communication using 2-dimensional IR beam steering. , 2017, , .		5
81	112 Gbit/s Transmission in a 2D Beam Steering AWG-Based Optical Wireless Communication System. , 2017, , .		9
82	High-capacity dynamic indoor network utilizing optical wireless and 60-GHz radio techniques. , 2017, , .		2
83	Optical Wireless Systems: Technology, Trends and Applications. , 2017, , .		2
84	200 Gbps OOK Transmission over an Indoor Optical Wireless Link Enabled by an Integrated Cascaded Aperture Optical Receiver. , 2017, , .		30
85	Demonstration and Application of 37.5 Gb/s Duobinary-PAM3 in PONs. , 2017, , .		2
86	A Broadband Beam-Steered Fiber Mm-Wave Link with High Energy-Spectral-Spatial Efficiency for 5G Coverage. , 2017, , .		0
87	Millimeter Wave Beam Steered Fiber Wireless Systems for 5G Indoor Coverage: Integrated Circuits and Systems. , 2017, , .		0
88	Spatial Division Multiplexing. Springer Series in Optical Sciences, 2017, , 1-48.	0.5	3
89	Beam steered millimeter-wave fiber-wireless system for 5G indoor coverage. , 2016, , .		3
90	2D beam-steered high-capacity optical wireless communication. , 2016, , .		5

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91	Mode-dependent characterization of photonic lanterns. Optics Letters, 2016, 41, 2302.	1.7	10
92	All-optical indoor wireless communication system. , 2016, , .		0
93	Reconfigurable six-section wavelength-tunable distributed bragg reflector laser. , 2016, , .		1
94	A Tunable Si ₃ N ₄ Integrated True Time Delay Circuit for Optically-Controlled K-Band Radio Beamformer in Satellite Communication. Journal of Lightwave Technology, 2016, 34, 4736-4743.	2.7	32
95	10 Gbps indoor optical wireless communication employing 2D passive beam steering based on arrayed waveguide gratings. , 2016, , .		4
96	Resource allocation in optical beam-steered indoor networks. , 2016, , .		2
97	Characterization of Rayleigh backscattering arising in various two-mode fibers. Optics Express, 2016, 24, 12192.	1.7	5
98	Free-space transmission with passive 2D beam steering for multi-gigabit-per-second per-beam indoor optical wireless networks. Optics Express, 2016, 24, 19211.	1.7	56
99	Multiband LTE-A and 4-PAM Signals Over Large-Core Plastic Fibers for In-Home Networks. IEEE Photonics Technology Letters, 2016, 28, 2281-2284.	1.3	6
100	LTE-A compliant multi-band radio and gigabit/s baseband transmission over 50Åm of 1Åmm core diameter GI-POF for in-home networks. Electronics Letters, 2016, 52, 738-740.	0.5	3
101	Revenue maximization in an optical router node - allocation of service windows. , 2016, , .		4
102	Long-Haul Transmission of PM-16QAM-, PM-32QAM-, and PM-64QAM-Based Terabit Superchannels Over a Field Deployed Legacy Fiber. Journal of Lightwave Technology, 2016, 34, 3071-3079.	2.7	28
103	Ultra-High Capacity Indoor Optical Wireless Communication Using 2D-Steered Pencil Beams. Journal of Lightwave Technology, 2016, 34, 4802-4809.	2.7	72
104	10 Gbps All-optical Full-duplex Indoor Optical Wireless Communication with Wavelength Reuse. , 2016, , .		12
105	10 Spatial Mode Transmission over 40km 50Åµm Core Diameter Multimode Fiber. , 2016, , .		3
106	Trellis Coded Modulation Transmission over 40km 6-LP Mode Fiber. , 2016, , .		0
107	Wavelength-dependent continuous delay based on a 3×4 optical ring resonator for k-band radio beamformer. , 2016, , .		1
108	Reconfigurable optical backbone network for ultra-high capacity indoor wireless communication. , 2016, , .		1

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109	10 Spatial mode transmission over low differential mode group delay fibre employing all-fibre photonic lanterns. , 2015, , .		2
110	Experimental demonstration of 8 state Turbo Trellis coded modulation employing 8 phase shift keying. , 2015, , .		2
111	Design Constraints of Photonic-Lantern Spatial Multiplexer Based on Laser-Inscribed 3-D Waveguide Technology. Journal of Lightwave Technology, 2015, 33, 1147-1154.	2.7	34
112	Record field demonstration of C-band multi-terabit 16QAM, 32QAM and 64QAM over 762km of SSMF. , 2015, , .		8
113	Photonic integrated spot couplers based on vertical mirrors for mode division multiplexing. , 2015, , .		0
114	Utilizing unused power budget to increase network capacity in practical PON deployments by introducing flexible modulation. , 2015, , .		1
115	Time-sharing resources for low cost and high performance indoor optical wireless networks. , 2015, , .		2
116	A Si3N4 PIC for optically controlled 2D radio beamforming in satellite communications. , 2015, , .		5
117	Ultra-high capacity indoor optical wireless communication using steered pencil beams. , 2015, , .		11
118	Ultralong Haul 1.28-T<roman>b/s</roman> PM-16QAM WDM Transmission Employing Hybrid Amplification. Journal of Lightwave Technology, 2015, 33, 1794-1804.	2.7	28
119	Mode-multiplexed transmission over conventional graded-index multimode fibers. Optics Express, 2015, 23, 235.	1.7	94
120	Advanced coding techniques for few mode transmission systems. Optics Express, 2015, 23, 1411.	1.7	19
121	10 Spatial mode transmission using low differential mode delay 6-LP fiber using all-fiber photonic lanterns. Optics Express, 2015, 23, 24759.	1.7	46
122	Long-haul WDM transmission of 1 Tb/s superchannel. , 2015, , .		1
123	42.8 Gbit/s Indoor Optical Wireless Communication with 2-Dimensional Optical Beam-steering. , 2015, , .		8
124	Integrated remotely tunable optical delay line for millimeter-wave beam steering fabricated in an InP generic foundry. Optics Letters, 2015, 40, 3930.	1.7	129
125	Experimental Characterization of Rayleigh Backscattering in Few-Mode Fiber Using All-Fiber Photonic Lanterns. , 2015, , .		0
126	Compact spatial multiplexers for mode division multiplexing. Optics Express, 2014, 22, 31582.	1.7	50

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127	Demonstration of 90° optical hybrid at 2 μm wavelength range based on 4×4 MMI using diluted waveguide. , 2014, , .		0
128	Mode division multiplexing over 19-cell hollow-core photonic bandgap fibre by employing integrated mode multiplexer. Electronics Letters, 2014, 50, 1227-1229.	0.5	3
129	41.6 Tb/s C-band SDM OFDM transmission through 12 spatial and polarization modes over 74.17 km few mode fiber. , 2014, , .		7
130	Optically controlled 2D radio beam steering system. , 2014, , .		9
131	A fully-packaged 3D-waveguide based dual-fiber spatial-multiplexer with up-tapered 6-mode fiber pigtailed. , 2014, , .		2
132	Optical techniques for Gbit/s wireless indoor access. , 2014, , .		6
133	Phase modulation parallel optical delay detector for microwave angle-of-arrival measurement with accuracy monitored. Optics Letters, 2014, 39, 1497.	1.7	38
134	Cyclic additional optical true time delay for microwave beam steering with spectral filtering. Optics Letters, 2014, 39, 3402.	1.7	15
135	Toward multi-Gbps indoor optical wireless multicasting system employing passive diffractive optics. Optics Letters, 2014, 39, 2622.	1.7	10
136	Time domain multiplexed spatial division multiplexing receiver. Optics Express, 2014, 22, 12668.	1.7	53
137	Interleaved and partial transmission interleaved optical coherent orthogonal frequency division multiplexing. Optics Letters, 2014, 39, 2179.	1.7	13
138	1 Km hole-assisted few-mode multi-core fiber 32QAM WDM transmission. , 2014, , .		7
139	Electrically-controlled optical phase shifter for broadband radio orbital angular momentum mode generation. , 2014, , .		1
140	MIMO equalization with adaptive step size for few-mode fiber transmission systems. Optics Express, 2014, 22, 119.	1.7	44
141	Photonic Home Area Networks. Journal of Lightwave Technology, 2014, 32, 591-604.	2.7	74
142	28-GBd 32QAM FMF Transmission With Low Complexity Phase Estimators and Single DPLL. IEEE Photonics Technology Letters, 2014, 26, 765-768.	1.3	10
143	Ultra-high-density spatial division multiplexing with a few-mode multicore fibre. Nature Photonics, 2014, 8, 865-870.	15.6	398
144	Spatial Filtering in a Broadband In-Home OFDM Radio-Over-Fiber Network. IEEE Photonics Technology Letters, 2014, 26, 575-578.	1.3	10

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145	Steerable pencil beams for multi-Gbps indoor optical wireless communication. Optics Letters, 2014, 39, 5427.	1.7	43
146	61.3-Gbps Hybrid Fiber-Wireless In-Home Network Enabled by Optical Heterodyne and Polarization Multiplexing. Journal of Lightwave Technology, 2014, 32, 3227-3233.	2.7	15
147	Plastic-optical-fiber-based in-home optical networks. IEEE Communications Magazine, 2014, 52, 186-193.	4.9	3,440
148	36.7 Gbps spectrum-efficient indoor optical wireless system with beam-steering. , 2014, , .		5
149	Dynamic Routing of Millimeter-Wave Signal for In-Building Networks Using Integrated Resonant Switch Matrix. , 2014, , .		3
150	23 Tbit/s Transmission over 17-km Conventional 50-Åµm Graded-Index Multimode Fiber. , 2014, , .		15
151	Photonic Microwave Up-Conversion of Vector Signals Based on an Optoelectronic Oscillator. IEEE Photonics Technology Letters, 2013, 25, 1758-1761.	1.3	23
152	Distribution of Broadband Services Over 1-mm Core Diameter Plastic Optical Fiber for Point-to-Multipoint In-Home Networks. Journal of Lightwave Technology, 2013, 31, 874-881.	2.7	7
153	Simultaneous provision of wired service and dispersion-robust 60GHz wireless service in radio-over-fiber system based on remote up conversion with electrical tones injection. Optics Communications, 2013, 311, 346-349.	1.0	3
154	Advanced Differential Modulation Formats for Optical Access Networks. Journal of Lightwave Technology, 2013, 31, 2829-2843.	2.7	11
155	Single DPLL Joint Carrier Phase Compensation for Few-Mode Fiber Transmission. IEEE Photonics Technology Letters, 2013, 25, 1381-1384.	1.3	23
156	Demonstration of a Photonic Integrated Mode Coupler With MDM and WDM Transmission. IEEE Photonics Technology Letters, 2013, 25, 2039-2042.	1.3	25
157	Field demonstration of mode-division multiplexing upgrade scenarios on commercial networks. Optics Express, 2013, 21, 31036.	1.7	26
158	Long Reach Hybrid Fiber-Wireless System With Remote Up-Conversion and Local Exchange. IEEE Photonics Technology Letters, 2013, 25, 737-740.	1.3	11
159	Angle-of-Arrival Measurement of a Microwave Signal Using Parallel Optical Delay Detector. IEEE Photonics Technology Letters, 2013, 25, 1932-1935.	1.3	37
160	Star 16QAM/OOK bidirectional transmission over a TDM-EPON. Microwave and Optical Technology Letters, 2013, 55, 45-47.	0.9	1
161	Next-Generation TDM-PON Based on Multilevel Differential Modulation. IEEE Photonics Technology Letters, 2013, 25, 418-421.	1.3	15
162	Employing Prism-Based Three-Spot Mode Couplers for High Capacity MDM/WDM Transmission. IEEE Photonics Technology Letters, 2013, 25, 2474-2477.	1.3	21

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163	Single Multi-mode Mask for Multi-channel Mode Division Demultiplexing. , 2013, , .		9
164	Synchronized signaling delivery for broadband 60 GHz in-building optical wireless network based on digital frequency division multiplexing and digital Nyquist shaping. Optics Express, 2013, 21, 270.	1.7	11
165	Cyclic-Linked Flexibility: An Architectural Approach for Reconfigurable Optical WDM-TDM Access Networks. Journal of Optical Communications and Networking, 2013, 5, 574.	3.3	7
166	Demonstration of Long-Reach PON Using 10 Gb/s 3R Burst-Mode Wavelength Converter. IEEE Photonics Technology Letters, 2013, 25, 1492-1495.	1.3	4
167	Demonstration of Fully Functional MIMO Wireless LAN Transmission over GI-MMF for In-building Networks. , 2013, , .		6
168	3 MDM—8 WDM—320-Gb/s DP-32QAM Transmission over a 120km Few-Mode Fiber Span Employing 3-Spot Mode Couplers. , 2013, , .		1
169	Statistical Analysis of the Performance of Cyclic-prefixed and Zero-padded OFDM over Multimode Fibers. , 2013, , .		0
170	Demonstration of a Photonic Integrated Mode Coupler with 3.072Tb/s MDM and WDM transmission over Few-Mode Fiber. , 2013, , .		0
171	737 Tb/s (96 x 3 x 256-Gb/s) mode-division-multiplexed DP-16QAM transmission with inline MM-EDFA. Optics Express, 2012, 20, B428.	1.7	156
172	Introduction: ECOC 2012 in Amsterdam. Optics Express, 2012, 20, B630.	1.7	0
173	TDM-PON with 30 Gb/s D8PSK downstream and 10 Gb/s OOK upstream based on a digital incoherent receiver. Optics Express, 2012, 20, 29096.	1.7	6
174	In-home networks integrating high-capacity DMT data and DVB-T over large-core GI-POF. Optics Express, 2012, 20, 29769.	1.7	5
175	Recent progress in photonic in-building networks. , 2012, , .		0
176	A novel frequency-doubling Brillouin optoelectronic oscillator. , 2012, , .		0
177	D8PSK/OOK bidirectional transmission over a TDM-PON. , 2012, , .		1
178	Optically Tunable Frequency-Doubling Brillouin Optoelectronic Oscillator With Carrier Phase-Shifted Double Sideband Modulation. IEEE Photonics Technology Letters, 2012, 24, 1051-1053.	1.3	100
179	20Gbit/s two LP modes transmission over 10km two-moded fiber without crosstalk compensation. , 2012, , .		0
180	Experimental Demonstration of an Incoherent TDM-PON with 30 Gb/s D8PSK Downstream and 10 Gb/s OOK Upstream Data. , 2012, , .		4

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181	Accurate Ranging/Localization Technique using IR-UWB for Smart Fiber-Wireless In-House Networks. , 2012, , .		1
182	A Lightwave Centralized and Dispersion Immune Bidirectional mm-Wave over Fiber Scheme for Access Networks. , 2012, , .		0
183	Synchronized Signaling Delivery for Very High Throughput 60GHz In-Building Optical Wireless Network Based on Digital Frequency Division Multiplexing and Digital Nyquist Shaping. , 2012, , .		0
184	A Hybrid In-building Network Architecture Integrating Millimeter-wave and Wired Services. , 2012, , .		0
185	Flexibility Level Adjustment in Reconfigurable WDM-TDM Optical Access Networks. Journal of Lightwave Technology, 2012, 30, 2542-2550.	2.7	9
186	30-Gb/s Bidirectional Transparent Optical Transmission With an MMF Access and an Indoor Optical Wireless Link. IEEE Photonics Technology Letters, 2012, 24, 572-574.	1.3	22
187	7.3-Gb/s Transmission Over Microstructured Polymer Optical Fiber for In-Home Networks. IEEE Photonics Technology Letters, 2012, 24, 1257-1259.	1.3	7
188	A Synchronized Signaling Insertion and Detection Scheme for Reconfigurable Optical OFDM Access Networks. Journal of Lightwave Technology, 2012, 30, 3972-3979.	2.7	8
189	Ultrawideband Signal Distribution Over Large-Core POF for In-Home Networks. Journal of Lightwave Technology, 2012, 30, 2995-3002.	2.7	10
190	Silicon Photonic Integrated Mode Multiplexer and Demultiplexer. IEEE Photonics Technology Letters, 2012, 24, 1961-1964.	1.3	122
191	Dynamically Delivering Radio Signals by the Active Routing Optical Access Network. IEEE Photonics Technology Letters, 2012, 24, 182-184.	1.3	6
192	Multistandard Wireless Transmission Over SSMF and Large-Core POF for Access and In-Home Networks. IEEE Photonics Technology Letters, 2012, 24, 736-738.	1.3	13
193	Routing of Power Efficient IR-UWB Wireless and Wired Services for In-Building Network Applications. Journal of Lightwave Technology, 2012, 30, 1651-1663.	2.7	19
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