

# A M J Ton Koonen

## List of Publications by Year in descending order

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347  
papers

9,053  
citations

101384

36  
h-index

48187

88  
g-index

349  
all docs

349  
docs citations

349  
times ranked

7353  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plastic-optical-fiber-based in-home optical networks. IEEE Communications Magazine, 2014, 52, 186-193.	4.9	3,440
2	Ultra-high-density spatial division multiplexing with a few-mode multicore fibre. Nature Photonics, 2014, 8, 865-870.	15.6	398
3	PAM-DMT for Intensity-Modulated and Direct-Detection Optical Communication Systems. IEEE Photonics Technology Letters, 2009, 21, 1749-1751.	1.3	200
4	Error-Free 320-Gb/s All-Optical Wavelength Conversion Using a Single Semiconductor Optical Amplifier. Journal of Lightwave Technology, 2007, 25, 103-108.	2.7	196
5	Indoor Optical Wireless Systems: Technology, Trends, and Applications. Journal of Lightwave Technology, 2018, 36, 1459-1467.	2.7	169
6	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
7	Radio-Over-MMF Techniques – Part II: Microwave to Millimeter-Wave Systems. Journal of Lightwave Technology, 2008, 26, 2396-2408.	2.7	137
8	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
9	Silicon Photonic Integrated Mode Multiplexer and Demultiplexer. IEEE Photonics Technology Letters, 2012, 24, 1961-1964.	1.3	122
10	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
11	Impact of LED Nonlinearity on Discrete Multitone Modulation. Journal of Optical Communications and Networking, 2009, 1, 439.	3.3	96
12	Mode-multiplexed transmission over conventional graded-index multimode fibers. Optics Express, 2015, 23, 235.	1.7	94
13	Discrete Multitone Modulation for Maximizing Transmission Rate in Step-Index Plastic Optical Fibers. Journal of Lightwave Technology, 2009, 27, 1503-1513.	2.7	85
14	High-Capacity Optical Wireless Communication Using Two-Dimensional IR Beam Steering. Journal of Lightwave Technology, 2018, 36, 4486-4493.	2.7	80
15	Plastic optical fiber technology for reliable home networking: overview and results of the EU project pof-all. IEEE Communications Magazine, 2009, 47, 58-68.	4.9	79
16	Photonic Home Area Networks. Journal of Lightwave Technology, 2014, 32, 591-604.	2.7	74
17	Ultra-High Capacity Indoor Optical Wireless Communication Using 2D-Steered Pencil Beams. Journal of Lightwave Technology, 2016, 34, 4802-4809.	2.7	72
18	All-optical demultiplexing of 640 to 40 Gbits/s using filtered chirp of a semiconductor optical amplifier. Optics Letters, 2007, 32, 835.	1.7	69

#	ARTICLE	IF	CITATIONS
19	High-speed transmission over multimode fiber using discrete multitone modulation [Invited]. Journal of Optical Networking, 2008, 7, 183.	2.5	69
20	47.4 Gb/s Transmission Over 100 m Graded-Index Plastic Optical Fiber Based on Rate-Adaptive Discrete Multitone Modulation. Journal of Lightwave Technology, 2010, 28, 352-359.	2.7	59
21	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
22	Radio-over-Fiber based architecture for seamless wireless indoor communication in the 60GHz band. Computer Communications, 2007, 30, 3598-3613.	3.1	54
23	Time domain multiplexed spatial division multiplexing receiver. Optics Express, 2014, 22, 12668.	1.7	53
24	An optical IM/FSK coding technique for the implementation of a label-controlled arrayed waveguide packet router. Journal of Lightwave Technology, 2003, 21, 2617-2628.	2.7	51
25	Design Considerations for a Transparent Mode Group Diversity Multiplexing Link. IEEE Photonics Technology Letters, 2006, 18, 2359-2361.	1.3	50
26	Recent Results From the EU POF-PLUS Project: Multi-Gigabit Transmission Over 1 mm Core Diameter Plastic Optical Fibers. Journal of Lightwave Technology, 2011, 29, 186-193.	2.7	50
27	Compact spatial multiplexers for mode division multiplexing. Optics Express, 2014, 22, 31582.	1.7	50
28	Data transmission over polymer optical fibers. Optical Fiber Technology, 2003, 9, 159-171.	1.4	46
29	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
30	Bit-Error-Rate Degradation in a Multimode Fiber Optic Transmission Link Due to Modal Noise. IEEE Journal on Selected Areas in Communications, 1986, 4, 1515-1522.	9.7	45
31	MIMO equalization with adaptive step size for few-mode fiber transmission systems. Optics Express, 2014, 22, 119.	1.7	44
32	Steerable pencil beams for multi-Gbps indoor optical wireless communication. Optics Letters, 2014, 39, 5427.	1.7	43
33	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
34	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
35	Interferometric Crosstalk Reduction in an RSOA-Based WDM Passive Optical Network. Journal of Lightwave Technology, 2009, 27, 4943-4953.	2.7	38
36	Phase modulation parallel optical delay detector for microwave angle-of-arrival measurement with accuracy monitored. Optics Letters, 2014, 39, 1497.	1.7	38

#	ARTICLE	IF	CITATIONS
37	Angle-of-Arrival Measurement of a Microwave Signal Using Parallel Optical Delay Detector. IEEE Photonics Technology Letters, 2013, 25, 1932-1935.	1.3	37
38	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
39	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
40	In-House Networks Using Multimode Polymer Optical Fiber for Broadband Wireless Services. Photonic Network Communications, 2003, 5, 177-187.	1.4	33
41	Mode-selective spatial filtering for increased robustness in a mode group diversity multiplexing link. Optics Letters, 2007, 32, 1041.	1.7	33
42	A Tunable Si <sub>3</sub> N <sub>4</sub> 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
43	Overcoming Modal Bandwidth Limitation in Radio-over-Multimode Fiber Links. IEEE Photonics Technology Letters, 2006, 18, 2428-2430.	1.3	31
44	Power-efficient impulse radio ultrawideband pulse generator based on the linear sum of modified doublet pulses. Optics Letters, 2011, 36, 2363.	1.7	31
45	Fiber-based broadband wireless access employing optical frequency multiplication. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 875-881.	1.9	30
46	High-Bit-Rate Dynamically Reconfigurable WDM-TDM Access Network. Journal of Optical Communications and Networking, 2009, 1, A143.	3.3	30
47	200 Gbps OOK Transmission over an Indoor Optical Wireless Link Enabled by an Integrated Cascaded Aperture Optical Receiver. , 2017, , .		30
48	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
49	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
50	Fully Passive User Localization for Beam-Steered High-Capacity Optical Wireless Communication System. Journal of Lightwave Technology, 2020, 38, 2842-2848.	2.7	29
51	Simulation and Experimental Characterization of SOA-MZI-Based Multiwavelength Conversion. Journal of Lightwave Technology, 2009, 27, 117-127.	2.7	28
52	Ultralong Haul 1.28-Tb/s PM-16QAM WDM Transmission Employing Hybrid Amplification. Journal of Lightwave Technology, 2015, 33, 1794-1804.	2.7	28
53	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
54	Microwave Signal Generation and Transmission Based on Optical Frequency Multiplication With a Polarization Interferometer. Journal of Lightwave Technology, 2007, 25, 1372-1378.	2.7	27

#	ARTICLE	IF	CITATIONS
55	160-Gb/s All-Optical Packet Switching Over a 110-km Field Installed Optical Fiber Link. <i>Journal of Lightwave Technology</i> , 2008, 26, 176-182.	2.7	27
56	All-Optical Label Swapping of Scalable In-Band Address Labels and 160-Gb/s Data Packets. <i>Journal of Lightwave Technology</i> , 2009, 27, 214-223.	2.7	27
57	Performance of a SOA-MZI wavelength converter for label swapping using combined FSK/IM modulation format. <i>Optical Fiber Technology</i> , 2004, 10, 31-49.	1.4	26
58	Near-field intensity pattern at the output of silica-based graded-index multimode fibers under selective excitation with a single-mode fiber. <i>Optics Express</i> , 2007, 15, 3656.	1.7	26
59	Cost optimization of optical in-building networks. <i>Optics Express</i> , 2011, 19, B399.	1.7	26
60	Field demonstration of mode-division multiplexing upgrade scenarios on commercial networks. <i>Optics Express</i> , 2013, 21, 31036.	1.7	26
61	All-Optical Processing Based on a Logic xor Gate and a Flip-Flop Memory for Packet-Switched Networks. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 1316-1318.	1.3	25
62	Demonstration of a Photonic Integrated Mode Coupler With MDM and WDM Transmission. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 2039-2042.	1.3	25
63	Building 5G Millimeter-Wave Wireless Infrastructure: Wide-Scan Focal-Plane Arrays With Broadband Optical Beamforming. <i>IEEE Antennas and Propagation Magazine</i> , 2019, 61, 53-62.	1.2	25
64	Simultaneous Optical Label Erasure and Insertion in a Single Wavelength Conversion Stage of Combined FSK/IM Modulated Signals. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 2144-2146.	1.3	24
65	Toward a Seamless Communication Architecture for In-building Networks at the 60 GHz band. , 2006, , .		24
66	A 50-channel externally modulated AM-VSB video distribution system with three cascaded EDFA's providing 50-dB power budget over 30 km of standard single-mode fiber. <i>IEEE Photonics Technology Letters</i> , 1995, 7, 691-693.	1.3	23
67	Photonic Microwave Up-Conversion of Vector Signals Based on an Optoelectronic Oscillator. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 1758-1761.	1.3	23
68	Single DPLL Joint Carrier Phase Compensation for Few-Mode Fiber Transmission. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 1381-1384.	1.3	23
69	10-Gb/s transmission over 20-km single fiber link using 1-GHz RSOA by discrete multitone with multiple access. <i>Optics Express</i> , 2011, 19, B486.	1.7	22
70	30-Gb/s Bidirectional Transparent Optical Transmission With an MMF Access and an Indoor Optical Wireless Link. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 572-574.	1.3	22
71	160-Gb/s All-Optical Packet-Switching With In-Band Filter-Based Label Extraction and a Hybrid-Integrated Optical Flip-Flop. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 990-992.	1.3	21
72	1.25-Gb/s Transmission Over an Access Network Link With Tunable OADM and a Reflective SOA. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 380-382.	1.3	21

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73	30-Gb/s 3 $\times$ imes,3 Optical Mode Group-Division-Multiplexing System With Optimized Joint Detection. IEEE Photonics Technology Letters, 2011, 23, 1283-1285.	1.3	21
74	Employing Prism-Based Three-Spot Mode Couplers for High Capacity MDM/WDM Transmission. IEEE Photonics Technology Letters, 2013, 25, 2474-2477.	1.3	21
75	Title is missing!. Photonic Network Communications, 2001, 3, 297-306.	1.4	20
76	Maximum-Likelihood Sequence Estimation for Optical Phase-Shift Keyed Modulation Formats. Journal of Lightwave Technology, 2009, 27, 4583-4594.	2.7	20
77	Beam-Steered Optical Wireless Communication for Industry 4.0. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-10.	1.9	20
78	Wired and wireless multi-service transmission over 1mm-core GI-POF for in-home networks. Electronics Letters, 2011, 47, 203.	0.5	19
79	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
80	Advanced coding techniques for few mode transmission systems. Optics Express, 2015, 23, 1411.	1.7	19
81	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
82	All-optical data format conversion from WDM to OTDM based on FWM. Microwave and Optical Technology Letters, 2006, 48, 992-994.	0.9	18
83	Performance Evaluation of IR-UWB in Short-Range Fiber Communication Using Linear Combination of Monocycles. Journal of Lightwave Technology, 2011, 29, 1143-1151.	2.7	18
84	Airy Beam for Free-Space Photonic Interconnection: Generation Strategy and Trajectory Manipulation. Journal of Lightwave Technology, 2020, 38, 6474-6480.	2.7	18
85	Novel Broadband OWC Receiver with Large Aperture and Wide Field-of-View. , 2020, , .		18
86	Temporal Stability of a Transparent Mode Group Diversity Multiplexing Link. IEEE Photonics Technology Letters, 2006, 18, 2484-2486.	1.3	16
87	Polymorphic Architectures for Optical Networks and their Seamless Evolution towards Next Generation Networks. Photonic Network Communications, 2004, 8, 177-189.	1.4	15
88	Municipal broadband access networks in the Netherlands - three successful cases, and how New Europe may benefit. , 2006, , .		15
89	Ultrafast All-Optical Wavelength Routing of Data Packets Utilizing an SOA-Based Wavelength Converter and a Monolithically Integrated Optical Flipâ€Flop. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 801-807.	1.9	15
90	All-Fiber Full-Duplex Multimode Wavelength-Division-Multiplexing Network for Radio-Over-Multimode-Fiber Distribution of Broadband Wireless Services. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 248-255.	2.9	15

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91	Mitigation of Reflection-induced Crosstalk in a WDM Access Network. , 2008, , .		15
92	Next-Generation TDM-PON Based on Multilevel Differential Modulation. IEEE Photonics Technology Letters, 2013, 25, 418-421.	1.3	15
93	Cyclic additional optical true time delay for microwave beam steering with spectral filtering. Optics Letters, 2014, 39, 3402.	1.7	15
94	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
95	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
96	Field Trial of a Flexible Real-Time Software-Defined GPU-Based Optical Receiver. Journal of Lightwave Technology, 2021, 39, 2358-2367.	2.7	15
97	23 Tbit/s Transmission over 17-km Conventional 50-Åµm Graded-Index Multimode Fiber. , 2014, , .		15
98	Self-controlled all-optical label and payload separator for variable length bursts in a time-serial IM/DPSK scheme. IEEE Photonics Technology Letters, 2005, 17, 1692-1694.	1.3	14
99	Label-Controlled Optical Packet Routingâ€™Technologies and Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 1540-1550.	1.9	14
100	Real-time gigabit DMT transmission over plastic optical fibre. Electronics Letters, 2009, 45, 1342.	0.5	14
101	Multi-Beamforming Provided by Dual-Wavelength True Time Delay PIC and Multicore Fiber. Journal of Lightwave Technology, 2020, 38, 5311-5317.	2.7	14
102	First Demonstration of HD Video Distribution over Large-Core POF employing UWB for In-Home Networks. , 2011, , .		14
103	Lensed Fiber-Array Assembly With Individual Fiber Fine Positioning in the Submicrometer Range. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 931-939.	1.9	13
104	$3 \times 2^N$ -QAM Constellation Formats for DMT Over 1-mm Core Diameter Plastic Optical Fiber. IEEE Photonics Technology Letters, 2011, 23, 768-770.	1.3	13
105	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
106	Interleaved and partial transmission interleaved optical coherent orthogonal frequency division multiplexing. Optics Letters, 2014, 39, 2179.	1.7	13
107	User Localization and Upstream Signaling for Beam-Steered Infrared Light Communication System. IEEE Photonics Technology Letters, 2021, 33, 545-548.	1.3	13
108	30Gbit/s $3 \times 3$ Optical Mode Group Division Multiplexing System with Mode-Selective Spatial Filtering. , 2011, , .		13

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109	Multiple recirculations through Crosspoint switch fabric for recirculating optical buffering. Electronics Letters, 2005, 41, 1136.	0.5	12
110	Beyond 1 Gbit/s Transmission over 1 mm Diameter Plastic Optical Fiber employing DMT for In-Home Communication Systems. Journal of Lightwave Technology, 2011, , .	2.7	12
111	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
112	Threshold-Based Fast Successive-Cancellation Decoding of Polar Codes. IEEE Transactions on Communications, 2021, 69, 3541-3555.	4.9	12
113	The Merits of Reconfigurability in WDM-TDM Optical In-Building Networks. , 2011, , .		12
114	10 Gbps All-optical Full-duplex Indoor Optical Wireless Communication with Wavelength Reuse. , 2016, , .		12
115	All-Optical Multi-Wavelength Conversion with Negative Power Penalty by a Commercial SOA-MZI for WDM Wavelength Multicast. , 2007, , .		11
116	Mitigation of Impairments in MGDMM Transmission With Mode-Selective Spatial Filtering. IEEE Photonics Technology Letters, 2008, 20, 1112-1114.	1.3	11
117	Advanced Differential Modulation Formats for Optical Access Networks. Journal of Lightwave Technology, 2013, 31, 2829-2843.	2.7	11
118	Long Reach Hybrid Fiber-Wireless System With Remote Up-Conversion and Local Exchange. IEEE Photonics Technology Letters, 2013, 25, 737-740.	1.3	11
119	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
120	Ultra-high capacity indoor optical wireless communication using steered pencil beams. , 2015, , .		11
121	An efficient medium access control strategy for high-speed WDM multiaccess networks. Journal of Lightwave Technology, 1993, 11, 1078-1087.	2.7	10
122	Record high-speed short-range transmission over 1 mm core diameter POF employing DMT modulation. Optics Letters, 2010, 35, 730.	1.7	10
123	Ultrawideband Signal Distribution Over Large-Core POF for In-Home Networks. Journal of Lightwave Technology, 2012, 30, 2995-3002.	2.7	10
124	Toward multi-Gbps indoor optical wireless multicasting system employing passive diffractive optics. Optics Letters, 2014, 39, 2622.	1.7	10
125	28-GBd 32QAM FMF Transmission With Low Complexity Phase Estimators and Single DPLL. IEEE Photonics Technology Letters, 2014, 26, 765-768.	1.3	10
126	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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127	Mode-dependent characterization of photonic lanterns. <i>Optics Letters</i> , 2016, 41, 2302.	1.7	10
128	40 Gb/s indoor optical wireless system enabled by a cyclically arranged optical beamsteering receiver. <i>Optics Letters</i> , 2018, 43, 723.	1.7	10
129	Integrated Wavelength-Tuned Optical mm-Wave Beamformer With Doubled Delay Resolution. <i>Journal of Lightwave Technology</i> , 2020, 38, 2353-2359.	2.7	10
130	Parity-Time Symmetric Optoelectronic Oscillator Based on an Integrated Mode-Locked Laser. <i>IEEE Journal of Quantum Electronics</i> , 2021, 57, 1-9.	1.0	10
131	Mode-Multiplexed 16-QAM Transmission over 2400-km Large-Effective-Area Depressed-Cladding 3-Mode Fiber. , 2018, , .		10
132	Integrated Broadband Optical Fibre/Wireless LAN Access Networks. , 2006, , 251-266.		9
133	Flexibility Level Adjustment in Reconfigurable WDM-TDM Optical Access Networks. <i>Journal of Lightwave Technology</i> , 2012, 30, 2542-2550.	2.7	9
134	Single Multi-mode Mask for Multi-channel Mode Division Demultiplexing. , 2013, , .		9
135	Optically controlled 2D radio beam steering system. , 2014, , .		9
136	112 Gbit/s Transmission in a 2D Beam Steering AWG-Based Optical Wireless Communication System. , 2017, , .		9
137	High-Capacity Dynamic Indoor Network Employing Optical-Wireless and 60-GHz Radio Techniques. <i>Journal of Lightwave Technology</i> , 2018, 36, 1851-1861.	2.7	9
138	Ultra-high Throughput Indoor Infrared Wireless Communication System Enabled by a Cascaded Aperture Optical Receiver Fabricated on InP Membrane. <i>Journal of Lightwave Technology</i> , 2018, 36, 57-67.	2.7	9
139	Cost-efficient half-duplex 10 Gbit/s all-optical indoor optical wireless communication enabled by a low-cost Fabry-Pérot laser/photodetector. <i>Optics Letters</i> , 2019, 44, 1158.	1.7	9
140	Ultra-fast all-optical signal processing: toward optical packet switching. , 2006, , .		8
141	Demonstration of a Transparent 2-Input 2-Output Mode Group Diversity Multiplexing Link. , 2006, , .		8
142	Building Extended-Reach Radio-over-Fiber Links by Exploiting Optical Frequency Multiplication's Dispersion Tolerance. <i>IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium</i> , 2007, , .	0.0	8
143	Integrated Parallel Spectral OCDMA En/Decoder. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 528-530.	1.3	8
144	Theoretical and experimental performance evaluation of all-optical multiwavelength conversion by four-wave mixing in fiber at 10/20/40 Gb/s for optical layer multicast. <i>Microwave and Optical Technology Letters</i> , 2007, 49, 1067-1071.	0.9	8

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145	A DPSK Receiver With Enhanced CD Tolerance Through Optimized Demodulation and MLSE. IEEE Photonics Technology Letters, 2008, 20, 818-820.	1.3	8
146	Path capacity estimation in heterogeneous, best-effort, small-scale IP networks. , 2010, , .		8
147	A Synchronized Signaling Insertion and Detection Scheme for Reconfigurable Optical OFDM Access Networks. Journal of Lightwave Technology, 2012, 30, 3972-3979.	2.7	8
148	Record field demonstration of C-band multi-terabit 16QAM, 32QAM and 64QAM over 762km of SSMF. , 2015, , .		8
149	42.8 Gbit/s Indoor Optical Wireless Communication with 2-Dimensional Optical Beam-steering. , 2015, , .		8
150	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
151	Inter-Frame Polar Coding With Dynamic Frozen Bits. IEEE Communications Letters, 2019, 23, 1462-1465.	2.5	8
152	Optical Generation/Detection of Broadband Microwave Orbital Angular Momentum Modes. Journal of Lightwave Technology, 2020, 38, 1202-1209.	2.7	8
153	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
154	Optical label switching by using differential phase shift keying and in-band subcarrier multiplexing modulation format. Optical Engineering, 2004, 43, 1476.	0.5	7
155	Optical Multicast Technologies by Multi-Wavelength Conversion for Optical Routers. , 2006, , .		7
156	Architecture of a Bi-Directional Bluetooth-UPnP Proxy. , 2007, , .		7
157	Radio-over-optical fiber networks: introduction to the feature issue. Journal of Optical Networking, 2009, 8, 488.	2.5	7
158	Cost Optimization of Optical In-Building Networks. , 2011, , .		7
159	Real-time probing of available bandwidth in home networks. , 2011, 49, 134-140.		7
160	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
161	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
162	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

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163	41.6 Tb/s C-band SDM OFDM transmission through 12 spatial and polarization modes over 74.17 km few mode fiber. , 2014, , .		7
164	1 Km hole-assisted few-mode multi-core fiber 32QAM WDM transmission. , 2014, , .		7
165	Low-Crosstalk Full-Duplex All-Optical Indoor Wireless Transmission With Carrier Recovery. IEEE Photonics Technology Letters, 2017, 29, 539-542.	1.3	7
166	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
167	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
168	Asynchronous, self-controlled, all-optical label and payload separator using nonlinear polarization rotation in a semiconductor optical amplifier. Optics Express, 2004, 12, 4214.	1.7	6
169	Theoretical and Experimental Demonstration of OFM Robustness Against Modal Dispersion Impairments in Radio Over Multimode Fiber Links. Journal of Lightwave Technology, 2008, 26, 1722-1728.	2.7	6
170	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
171	Dynamically Delivering Radio Signals by the Active Routing Optical Access Network. IEEE Photonics Technology Letters, 2012, 24, 182-184.	1.3	6
172	Optical techniques for Gbit/s wireless indoor access. , 2014, , .		6
173	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
174	Integrated optical reflective amplified modulator for indoor millimetre wave radio-over-fibre applications. Electronics Letters, 2017, 53, 285-287.	0.5	6
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