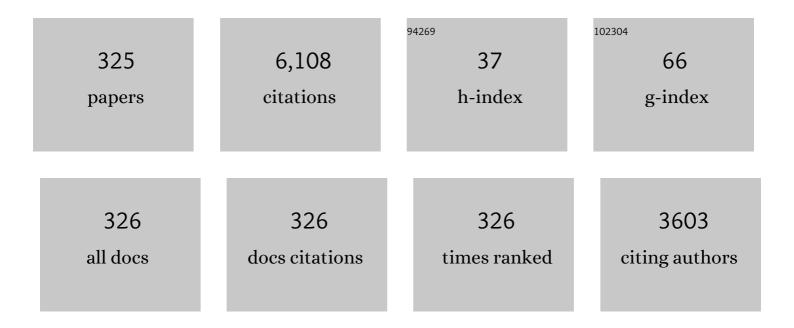
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Perfect vortex beam: Fourier transformation of a Bessel beam. Optics Letters, 2015, 40, 597.	1.7	354
2	Design, fabrication and validation of an OAM fiber supporting 36 states. Optics Express, 2014, 22, 26117.	1.7	338
3	Passive optical fast frequency-hop CDMA communications system. Journal of Lightwave Technology, 1999, 17, 397-405.	2.7	246
4	Flexible 16 Antenna Array for Microwave Breast Cancer Detection. IEEE Transactions on Biomedical Engineering, 2015, 62, 2516-2525.	2.5	217
5	Few-mode fiber with inverse-parabolic graded-index profile for transmission of OAM-carrying modes. Optics Express, 2014, 22, 18044.	1.7	167
6	Narrowband interference suppression in CDMA spread spectrum communications. IEEE Transactions on Communications, 1994, 42, 1969-1979.	4.9	158
7	Multiuser detection for DS-CDMA UWB in the home environment. IEEE Journal on Selected Areas in Communications, 2002, 20, 1701-1711.	9.7	154
8	A Wearable Microwave Antenna Array for Time-Domain Breast Tumor Screening. IEEE Transactions on Medical Imaging, 2016, 35, 1501-1509.	5.4	139
9	Design of a family of ring-core fibers for OAM transmission studies. Optics Express, 2015, 23, 10553.	1.7	135
10	Doped-fiber amplifier dynamics: a system perspective. Journal of Lightwave Technology, 1998, 16, 945-956.	2.7	104
11	Impact of the beat noise on the performance of 2-D optical CDMA systems. IEEE Communications Letters, 2000, 4, 264-266.	2.5	100
12	Flexible, Polarization-Diverse UWB Antennas for Implantable Neural Recording Systems. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 38-48.	2.7	99
13	Multirate optical fast frequency hopping CDMA system using power control. Journal of Lightwave Technology, 2002, 20, 166-177.	2.7	89
14	Vector Mode Analysis of Ring-Core Fibers: Design Tools for Spatial Division Multiplexing. Journal of Lightwave Technology, 2014, 32, 4648-4659.	2.7	85
15	Suppression of Turbulence-Induced Scintillation in Free-Space Optical Communication Systems Using Saturated Optical Amplifiers. Journal of Lightwave Technology, 2006, 24, 4966-4973.	2.7	83
16	A promising multiplexing technology for cellular telecommunications: Narrowband Interference Suppression in Spread Spectrum CDMA. IEEE Personal Communications, 1994, 1, 14.	4.5	82
17	Linearly polarized vector modes: enabling MIMO-free mode-division multiplexing. Optics Express, 2017, 25, 11736.	1.7	78
18	Experimental verification and capacity prediction of FE-OCDMA using superimposed FBG. Journal of Lightwave Technology, 2005, 23, 724-731.	2.7	76

#	Article	IF	CITATIONS
19	All-Optical 500-Mb/s UWB Transceiver:An Experimental Demonstration. Journal of Lightwave Technology, 2008, 26, 2795-2802.	2.7	76
20	A Single-Chip Full-Duplex High Speed Transceiver for Multi-Site Stimulating and Recording Neural Implants. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 643-653.	2.7	73
21	Generation of Power-Efficient FCC-Compliant UWB Waveforms Using FBGs: Analysis and Experiment. Journal of Lightwave Technology, 2008, 26, 628-635.	2.7	72
22	Passive optical network monitoring: challenges and requirements. , 2011, 49, s45-S52.		67
23	Characterization of OAM fibers using fiber Bragg gratings. Optics Express, 2014, 22, 15653.	1.7	65
24	Biological Channel Modeling and Implantable UWB Antenna Design for Neural Recording Systems. IEEE Transactions on Biomedical Engineering, 2015, 62, 88-98.	2.5	64
25	Mode Division Multiplexing Using Orbital Angular Momentum Modes Over 1.4-km Ring Core Fiber. Journal of Lightwave Technology, 2016, 34, 4252-4258.	2.7	62
26	Code-division multiplexing for in-service out-of-band monitoring of live FTTH-PONs. Journal of Optical Networking, 2007, 6, 819.	2.5	56
27	Spatial correlation of UWB signals in a home environment. , 0, , .		53
28	Ultra-Wideband Waveform Generator Based on Optical Pulse-Shaping and FBG Tuning. IEEE Photonics Technology Letters, 2008, 20, 135-137.	1.3	52
29	Gain stabilization in gain clamped EDFA cascades fed by WDM burst-mode packet traffic. Journal of Lightwave Technology, 2000, 18, 308-313.	2.7	50
30	Fiber fault PON monitoring using optical coding: Effects of customer geographic distribution. IEEE Transactions on Communications, 2010, 58, 1172-1181.	4.9	48
31	Wideband wavelength conversion of 16 Gbaud 16-QAM and 5 Gbaud 64-QAM signals in a semiconductor optical amplifier. Optics Express, 2013, 21, 19825.	1.7	47
32	Output power and SNR swings in cascades of EDFAs for circuit- and packet-switched optical networks. Journal of Lightwave Technology, 1999, 17, 733-742.	2.7	46
33	PON Monitoring: Periodic Encoders With Low Capital and Operational Cost. IEEE Photonics Technology Letters, 2008, 20, 2039-2041.	1.3	46
34	Carrying Data on the Orbital Angular Momentum of Light. , 2018, 56, 219-224.		45
35	Silicon photonic modulators for PAM transmissions. Journal of Optics (United Kingdom), 2018, 20, 083002.	1.0	42
36	Real-time gap-free dynamic waveform spectral analysis with nanosecond resolutions through analog signal processing. Nature Communications, 2020, 11, 3309.	5.8	42

#	Article	IF	CITATIONS
37	Dual phase-shift Bragg grating silicon photonic modulator operating up to 60 Gb/s. Optics Express, 2016, 24, 2413.	1.7	41
38	Optical fibers for the transmission of orbital angular momentum modes. Optical Fiber Technology, 2017, 35, 2-7.	1.4	41
39	Analysis of the spectral efficiency of frequency-encoded OCDMA systems with incoherent sources. Journal of Lightwave Technology, 2005, 23, 1610-1619.	2.7	40
40	Quantum-Dash Mode-Locked Laser as a Source for 56-Gb/s DQPSK Modulation in WDM Multicast Applications. IEEE Photonics Technology Letters, 2011, 23, 453-455.	1.3	39
41	Time-Domain Large-Signal Modeling of Traveling-Wave Modulators on SOI. Journal of Lightwave Technology, 2016, 34, 2812-2823.	2.7	39
42	Fast and Efficient Dynamic WDM Semiconductor Optical Amplifier Model. Journal of Lightwave Technology, 2006, 24, 4353-4365.	2.7	38
43	Generation of Arbitrary UWB Waveforms by Spectral Pulse Shaping and Thermally-Controlled Apodized FBGs. Journal of Lightwave Technology, 2009, 27, 5276-5283.	2.7	38
44	Analysis of modal coupling due to birefringence and ellipticity in strongly guiding ring-core OAM fibers. Optics Express, 2019, 27, 8308.	1.7	38
45	Label Stacking in Photonic Packet-Switched Networks With Spectral Amplitude Code Labels. Journal of Lightwave Technology, 2007, 25, 463-471.	2.7	37
46	A Silicon Modulator Enabling RF Over Fiber for 802.11 OFDM Signals. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 141-148.	1.9	37
47	Spectral-Amplitude-Coded OCDMA Optimized for a Realistic FBG Frequency Response. Journal of Lightwave Technology, 2007, 25, 1256-1263.	2.7	36
48	Robust optical FFH-CDMA communications: coding in place of frequency and temperature controls. Journal of Lightwave Technology, 1999, 17, 1284-1293.	2.7	32
49	Single-carrier 72 GBaud 32QAM and 84 GBaud 16QAM transmission using a SiP IQ modulator with joint digital-optical pre-compensation. Optics Express, 2019, 27, 5610.	1.7	32
50	Orbital-Angular-Momentum Polarization Mode Dispersion in Optical Fibers. Journal of Lightwave Technology, 2016, 34, 1661-1671.	2.7	31
51	Realistic modeling of the biological channel for the design of implantable wireless UWB communication systems. , 2012, 2012, 6015-8.		30
52	Silicon Photonic IQ Modulators for 400 Gb/s and Beyond. Journal of Lightwave Technology, 2019, 37, 3078-3086.	2.7	30
53	Chip-scale, full-Stokes polarimeter. Optics Express, 2019, 27, 4867.	1.7	30
54	Experimental Demonstration of a SAC-OCDMA PON With Burst-Mode Reception: Local Versus Centralized Sources. Journal of Lightwave Technology, 2008, 26, 1192-1203.	2.7	29

#	Article	IF	CITATIONS
55	Experimental comparison of coherent versus incoherent sources in a four-user /spl lambda/-t OCDMA system at 1.25 Gb/s. IEEE Photonics Technology Letters, 2005, 17, 2493-2495.	1.3	28
56	Performance analysis of fiber fault PON monitoring using optical coding: SNR, SNIR, and false-alarm probability. IEEE Transactions on Communications, 2010, 58, 1182-1192.	4.9	28
57	Frequency Comb Generation Using a CMOS Compatible SiP DD-MZM for Flexible Networks. IEEE Photonics Technology Letters, 2018, 30, 1495-1498.	1.3	27
58	Integrated flexible-grid WDM transmitter using an optical frequency comb in microring modulators. Optics Letters, 2018, 43, 1554.	1.7	26
59	CMOS-Photonics Codesign of an Integrated DAC-Less PAM-4 Silicon Photonic Transmitter. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 2158-2168.	3.5	25
60	Gain Optimization by Modulator-Bias Control in Radio-Over-Fiber Links. Journal of Lightwave Technology, 2006, 24, 4974-4982.	2.7	24
61	Output power excursions in a cascade of EDFAs fed by multichannel burst-mode packet traffic: experimentation and modeling. Journal of Lightwave Technology, 2001, 19, 933-940.	2.7	23
62	Optical Load-Balancing Tradeoffs in Wavelength-Routing Cloud Data Centers. Journal of Optical Communications and Networking, 2015, 7, 286.	3.3	23
63	Design Analysis of OAM Fibers Using Particle Swarm Optimization Algorithm. Journal of Lightwave Technology, 2020, 38, 846-856.	2.7	23
64	Dense SS-WDM Over Legacy PONs: Smooth Upgrade of Existing FTTH Networks. Journal of Lightwave Technology, 2010, 28, 1485-1495.	2.7	22
65	System Optimization of an All-Silicon IQ Modulator: Achieving 100-Gbaud Dual-Polarization 32QAM. Journal of Lightwave Technology, 2020, 38, 256-264.	2.7	22
66	Multiuser receivers for DS-CDMA UWB. , 0, , .		21
67	On the Efficiency of Digital Back-Propagation for Mitigating SOA-Induced Nonlinear Impairments. Journal of Lightwave Technology, 2011, 29, 3331-3339.	2.7	21
68	BER Performance of Coherent Optical Communications Systems Employing Monolithic Tunable Lasers With Excess Phase Noise. Journal of Lightwave Technology, 2014, 32, 1973-1980.	2.7	21
69	WDM-Compatible Polarization-Diverse OAM Generator and Multiplexer in Silicon Photonics. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-7.	1.9	21
70	Quantifying the Coupling and Degeneracy of OAM Modes in High-Index-Contrast Ring Core Fiber. Journal of Lightwave Technology, 2021, 39, 600-611.	2.7	21
71	Effects of laser phase drift on coherent optical CDMA. IEEE Journal on Selected Areas in Communications, 1995, 13, 577-591.	9.7	20
72	Gain control in EDFA's by pump compensation. IEEE Photonics Technology Letters, 1998, 10, 1313-1315.	1.3	20

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73	Large power swings in doped-fiber amplifiers with highly variable data. IEEE Photonics Technology Letters, 1999, 11, 131-133.	1.3	19
74	Cross-gain modulation in Raman fiber amplifier: experimentation and modeling. IEEE Photonics Technology Letters, 2002, 14, 1261-1263.	1.3	19
75	Ultrafast Forwarding Architecture Using a Single Optical Processor for Multiple SAC-Label Recognition Based on FWM. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 868-878.	1.9	19
76	SIR performance evaluation of a multirate OFFH-CDMA system. IEEE Communications Letters, 2001, 5, 224-226.	2.5	18
77	Carrier-to-noise ratio optimization by modulator bias control in radio-over-fiber links. IEEE Photonics Technology Letters, 2006, 18, 1840-1842.	1.3	18
78	An Innovative Receiver for Incoherent SAC-OCDMA Enabling SOA-Based Noise Cleaning: Experimental Validation. Journal of Lightwave Technology, 2009, 27, 108-116.	2.7	18
79	SOA Intensity Noise Suppression in Spectrum Sliced Systems: A Multicanonical Monte Carlo Simulator of Extremely Low BER. Journal of Lightwave Technology, 2009, 27, 2667-2677.	2.7	18
80	Low-Complexity Compensation of SOA Nonlinearity for Single-Channel PSK and OOK. Journal of Lightwave Technology, 2010, 28, 277-288.	2.7	18
81	Fiber Fault Monitoring for Passive Optical Networks Using Hybrid 1-D/2-D Coding. IEEE Photonics Technology Letters, 2008, 20, 2054-2056.	1.3	17
82	Balanced Detection of Correlated Incoherent Signals: A Statistical Analysis of Intensity Noise With Experimental Validation. Journal of Lightwave Technology, 2008, 26, 1330-1338.	2.7	17
83	A Fresh Look at Multicanonical Monte Carlo from a Telecom Perspective. , 2009, , .		17
84	Design of Highly Elliptical Core Ten-Mode Fiber for Space Division Multiplexing With 2 × 2 MIMO. IEEE Photonics Journal, 2019, 11, 1-10.	1.0	17
85	A subspace approach to adaptive narrow-band interference suppression in DSSS. IEEE Transactions on Communications, 1997, 45, 1575-1585.	4.9	16
86	Increasing the Capacity of SAC-OCDMA: Forward Error Correction or Coherent Sources?. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 1422-1428.	1.9	16
87	SOA gain recovery wavelength dependence: simulation and measurement using a single-color pump-probe technique. Optics Express, 2008, 16, 20656.	1.7	16
88	Design of a miniaturized UWB antenna optimized for implantable neural recording systems. , 2012, , .		16
89	Spectral efficiency of OCDMA systems with coherent pulsed sources. Journal of Lightwave Technology, 2005, 23, 1033-1038.	2.7	15
90	Filter Design for SOA-Assisted SS-WDM Systems Using Parallel Multicanonical Monte Carlo. Journal of Lightwave Technology, 2010, 28, 79-90.	2.7	15

#	Article	IF	CITATIONS
91	Simple analytical model for low-frequency frequency-modulation noise of monolithic tunable lasers. Applied Optics, 2014, 53, 830.	0.9	15
92	Semiconductor Optical Amplifier-Based Wavelength Conversion of Nyquist-16QAM for Flex-Grid Optical Networks. Journal of Lightwave Technology, 2016, 34, 2724-2729.	2.7	15
93	Optimal ultra-miniature polarimeters in silicon photonic integrated circuits. APL Photonics, 2019, 4, .	3.0	15
94	Recurrent neural networks achieving MLSE performance for optical channel equalization. Optics Express, 2021, 29, 13033.	1.7	15
95	All-Silicon IQ Modulator for 100 GBaud 32QAM Transmissions. , 2019, , .		15
96	All-Optical Swapping of Spectral Amplitude Code Labels for Packet Switching. , 2007, , .		14
97	Performance of carrier phase recovery for electronically dispersion compensated coherent systems. Optics Express, 2012, 20, 26568.	1.7	14
98	Analysis of Large-Scale Multi-Stage All-Optical Packet Switching Routers. Journal of Optical Communications and Networking, 2012, 4, 412.	3.3	14
99	Analytical Study of Optical SSB-DMT With IMDD. Journal of Lightwave Technology, 2018, 36, 666-674.	2.7	14
100	Highly elliptical core fiber with stress-induced birefringence for mode multiplexing. Optics Letters, 2020, 45, 2822.	1.7	14
101	Reduced-size lookup tables enabling higher-order QAM with all-silicon IQ modulators. Optics Express, 2019, 27, 24243.	1.7	14
102	Coherent optical CDMA with limited phase excursion. IEEE Communications Letters, 1997, 1, 28-30.	2.5	13
103	Hybrid RAKE / multiuser receivers for UWB. , 0, , .		13
104	Error-free transmission for incoherent broad-band optical communications systems using incoherent-to-coherent wavelength conversion. Journal of Lightwave Technology, 2005, 23, 287-294.	2.7	13
105	High-Bit-Rate Dense SS-WDM PON Using SOA-Based Noise Reduction With a Novel Balanced Detection. Journal of Lightwave Technology, 2009, 27, 5045-5055.	2.7	13
106	Probing the Limits of PON Monitoring Using Periodic Coding Technology. Journal of Lightwave Technology, 2011, 29, 1375-1382.	2.7	13
107	Computationally Efficient Monitoring of PON Fiber Link Quality Using Periodic Coding. Journal of Optical Communications and Networking, 2011, 3, 77.	3.3	13
108	MIMO-Free Transmission over Six Vector Modes in a Polarization Maintaining Elliptical Ring Core Fiber. , 2017, , .		13

9

#	Article	IF	CITATIONS
109	Design of an Optical Fiber Supporting 16 OAM Modes. , 2014, , .		12
110	Modeling and compensation of transmitter nonlinearity in coherent optical OFDM. Optics Express, 2015, 23, 26192.	1.7	12
111	The Impact of Modal Interactions on Receiver Complexity in OAM Fibers. Journal of Lightwave Technology, 2017, 35, 4692-4699.	2.7	12
112	Integrated Circularly Polarized OAM Generator and Multiplexer for Fiber Transmission. IEEE Journal of Quantum Electronics, 2018, 54, 1-9.	1.0	12
113	Pulse Shapes That Outperform Traditional UWB Antenna/Waveform Combinations. , 2010, , .		11
114	Single-Fiber Lightwave Centralized WDM-OFDMA-PON With Colorless Optical Network Units. Journal of Optical Communications and Networking, 2016, 8, 196.	3.3	11
115	Assessing Performance of Silicon Photonic Modulators for Pulse Amplitude Modulation. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-10.	1.9	11
116	Ultra-Dense Wavelength-Division Multiplexing With Microring Modulator. Journal of Lightwave Technology, 2021, 39, 4300-4306.	2.7	11
117	Application of preemphasis to achieve flat output OSNR in time-varying channels in cascaded EDFAs without equalization. Journal of Lightwave Technology, 2001, 19, 1440-1452.	2.7	10
118	A Standalone Receiver With Multiple Access Interference Rejection, Clock and Data Recovery, and FEC for 2-D\$lambda -t\$OCDMA. IEEE Photonics Technology Letters, 2006, 18, 2123-2125.	1.3	10
119	Experimental Validation of Periodic Codes for PON Monitoring. , 2009, , .		10
120	System-Level Design of a Full-Duplex Wireless Transceiver for Brain–Machine Interfaces. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3332-3341.	2.9	10
121	Discrete Multi-Tone Transmission With Optimized QAM Constellations for Short-Reach Optical Communications. Journal of Lightwave Technology, 2016, 34, 3515-3522.	2.7	10
122	CMOS-Compatible Silicon Photonic IQ Modulator for 84 Gbaud 16QAM and 70 Gbaud 32QAM. , 2018, , .		10
123	Mitigating of Scintillation Noise in FSO Communication Links using Saturated Optical Amplifiers. , 2006, , .		9
124	A Standalone Burst-Mode Receiver With Clock and Data Recovery, Clock Phase Alignment, and RS(255,) Tj ETQq	0 Q Q rgBT	- /gverlock 10
125	Capacity of SOA-Assisted SAC-OCDMA IFEF Photonics Technology Letters 2010 22 441-443	13	9

¹²⁶Mitigating pattern dependent nonlinearity in SiP IQ-modulators via iterative learning control
predistortion. Optics Express, 2018, 26, 27639.1.7

#	Article	IF	CITATIONS
127	Optical frequency-hop multiple access communications system. , 0, , .		8
128	Bit Patterning in SOAs: Statistical Characterization Through Multicanonical Monte Carlo Simulations. IEEE Journal of Quantum Electronics, 2010, 46, 570-578.	1.0	8
129	Experimental Study of Burst-Mode Reception in a 1300 km Deployed Fiber Link. Journal of Optical Communications and Networking, 2010, 2, 1.	3.3	8
130	A Novel Pulse-Positioned Coding Scheme for Fiber Fault Monitoring of a PON. IEEE Communications Letters, 2011, 15, 1007-1009.	2.5	8
131	Optical UWB Waveform Generation Using a Micro-Ring Resonator. IEEE Photonics Technology Letters, 2012, 24, 1316-1318.	1.3	8
132	Integrated UWB Transmitter and Antenna Design for Interfacing High-Density Brain Microprobes. , 2015, , .		8
133	RoF Data Transmission Using Four Linearly Polarized Vector Modes of a Polarization Maintaining Elliptical Ring Core Fiber. Journal of Lightwave Technology, 2018, 36, 3794-3801.	2.7	8
134	Single-Sideband OFDM Transmission via a Silicon Microring IQ Modulator. IEEE Photonics Technology Letters, 2019, 31, 145-148.	1.3	8
135	Heterogeneous Optical Access Networks: Enabling Low-Latency 5G Services With a Silicon Photonic Smart Edge. Journal of Lightwave Technology, 2021, 39, 2348-2357.	2.7	8
136	Silicon Photonics in Optical Access Networks for 5G Communications. IEEE Communications Magazine, 2021, 59, 126-131.	4.9	8
137	Orbital Angular Momentum Mode Division Multiplexing over 1.4 km RCF Fiber. , 2016, , .		8
138	Silicon photonic subsystem for broadband and RoF detection while enabling carrier reuse. Optics Express, 2020, 28, 14897.	1.7	8
139	A Single-laser Flexible-grid WDM Silicon Photonic Transmitter using Microring Modulators. , 2018, , .		8
140	Beat noise effects on spectrum-sliced WDM. , 2003, 5260, 44.		7
141	Characterization of a Linearly Chirped FBG Under Local Temperature Variations for Spectral Shaping Applications. Journal of Lightwave Technology, 2011, 29, 750-755.	2.7	7
142	Quantum-Dash Mode-Locked Lasers for Tunable Wavelength Conversion on a 100ÂGHz Frequency Grid. Journal of Optical Communications and Networking, 2012, 4, A69.	3.3	7
143	On-Chip Circular Polarization Splitter Using Silicon Photonic Nanoantenna Array. ACS Photonics, 2018, 5, 4338-4342.	3.2	7
144	Interplay of Bit Rate, Linewidth, Bandwidth, and Reach on Optical DMT and PAM With IMDD. IEEE Transactions on Communications, 2019, 67, 2908-2913.	4.9	7

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145	All Silicon IQ Modulator with 1Tb/s Line Rate. , 2020, , .		7
146	Silicon IQ Modulator for 120 Gbaud QAM. , 2021, , .		7
147	Integrated orbital angular momentum mode sorters on vortex fibers. Optics Letters, 2022, 47, 3491.	1.7	7
148	Simple dynamic model of fibre amplifiers and equivalent electrical circuit. Electronics Letters, 1997, 33, 1887.	0.5	6
149	Experimental demonstration and simulation results of frequency encoded optical CDMA. , 2004, , .		6
150	A Single All-Optical Processor for Multiple Spectral Amplitude Code Label Recognition Using Four Wave Mixing. , 2006, , .		6
151	Label stacking using spectral amplitude code labels for optical packet switching. , 2006, , .		6
152	Low-cost, Scalable Optical Packet Switching Networks with Multi-Wavelength Labels. , 2007, , .		6
153	Optical Packet Switching via FWM Processing of Time-Stacked Weight-2 Codes. IEEE Photonics Technology Letters, 2008, 20, 1712-1714.	1.3	6
154	Wideband antenna EIRP measurements for various UWB waveforms. , 2008, , .		6
155	Exciting OAM modes in annular-core fibers via perfect OAM beams. , 2014, , .		6
156	Exact Expressions for Vector Mode Cutoff in Three-Layer Step-Index Fibers. Journal of Lightwave Technology, 2016, 34, 3094-3102.	2.7	6
157	Mode Loss Measurement in Few-Mode Fibers With a Microwave Interferometric Technique. IEEE Photonics Technology Letters, 2018, 30, 581-584.	1.3	6
158	Joint Digital and Optical Pre-Compensation for 720 Gb/s All-Silicon IQ Modulator Single Carrier Transmission. , 2018, , .		6
159	3.36-Tbit/s OAM and Wavelength Multiplexed Transmission over an Inverse-Parabolic Graded Index Fiber. , 2017, , .		6
160	Transmission of 120 Gbaud QAM With an All-Silicon Segmented Modulator. Journal of Lightwave Technology, 2022, 40, 5457-5466.	2.7	6
161	Optimal SOA-based Noise Reduction Schemes for Incoherent Spectrum-Sliced PONs. , 2006, , .		5

A Comparison of Optical Sources for Spectral Amplitude Coding OCDMA. , 2006, , .

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163	Erbium Amplifier Dynamics in Wireless Analog Optical Links With Modulator Bias Optimization. IEEE Photonics Technology Letters, 2007, 19, 408-410.	1.3	5
164	A Semi-Analytic Method for BER Performance of Rake-Based UWB Receivers. , 2008, , .		5
165	Optical Packet Switching Networks With Binary Multiwavelength Labels. Journal of Lightwave Technology, 2009, 27, 2246-2256.	2.7	5
166	Error vector magnitude based parameter estimation for digital filter back-propagation mitigating SOA distortions in 16-QAM. Optics Express, 2013, 21, 20376.	1.7	5
167	Enabling In-Band Bidirectional OFDM-Uplink and OOK-Downlink Transmission in Long-Reach RSOA-Based WDM-PON Systems. Journal of Lightwave Technology, 2014, 32, 3854-3860.	2.7	5
168	Multi-Level Coded Modulation for 16-ary Constellations in Presence of Phase Noise. Journal of Lightwave Technology, 2014, 32, 1159-1167.	2.7	5
169	Overcoming Phase Sensitivity in Real-Time Parallel DSP for Optical Coherent Communications: Optically Filtered Lasers. Journal of Lightwave Technology, 2014, 32, 411-420.	2.7	5
170	Multi-service OFDM Uplink Transmission in Full-Duplex FTTx Systems Using RSOA-based WDM-PON Architecture. , 2014, , .		5
171	Multi-Format Wavelength Conversion Using Quantum Dash Mode-Locked Laser Pumps. Photonics, 2015, 2, 527-539.	0.9	5
172	A full-duplex wireless integrated transceiver for implant-to-air data communications. , 2015, , .		5
173	Investigation of orbital angular momentum mode purity in air-core optical fibers. , 2016, , .		5
174	Two-Stage Code Acquisition in Wireless Optical CDMA Communications Using Optical Orthogonal Codes. IEEE Transactions on Communications, 2016, 64, 3480-3491.	4.9	5
175	Postcompensation of Nonlinear Distortions of 64-QAM Signals in a Semiconductor-Based Wavelength Converter. Journal of Lightwave Technology, 2016, 34, 2127-2138.	2.7	5
176	Demonstration and Evaluation of an Optimized RFS Comb for Terabit Flexible Optical Networks. Journal of Optical Communications and Networking, 2017, 9, 739.	3.3	5
177	SiP Alternative to Enhanced KK for OFDM. , 2018, , .		5
178	Overlaying 5G radio access networks on wavelength division multiplexed optical access networks with carrier distribution. Optics Express, 2021, 29, 3631.	1.7	5
179	Geometric Constellation Shaping Using Initialized Autoencoders. , 2021, , .		5
180	Wideband Wavelength Conversion of 16 Gbaud 16-QAM Signals in a Semiconductor Optical Amplifier. , 2013, , .		5

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181	Modal Loss Characterisation of Thick Ring Core Fiber Using Perfect Vortex Beams. , 2022, , .		5
182	Segmented Silicon Photonic Modulator with a 67-GHz Bandwidth for High-Speed Signaling. , 2022, , .		5
183	New cross-correlation results for multi-rate CDMA. , 0, , .		4
184	Fast dynamics and power swings in doped-fiber amplifiers fed by highly variable multimedia traffic. , 0, ,		4
185	New architecture and codes for optical frequency-hopping multiple access. , 1998, 3491, 501.		4
186	Writing and applications of fiber Bragg grating arrays. , 2000, 4087, 140.		4
187	Modeling Gain Dynamics in EDFAs: Space-Resolved Versus Lumped Models. Fiber and Integrated Optics, 2001, 20, 601-615.	1.7	4
188	Packet switched networks with photonic code processing. , 2006, , .		4
189	Incoherent SAC OCDMA system at 7×622Mbps. , 2006, , .		4
190	Electrical-to-optical conversion of OFDM 802.11g/a signals by direct current modulation of semiconductor optical amplifiers. , 2006, , .		4
191	Network Management Solution for PS/PON, WDM/PON and Hybrid PS/WDM/PON using DS-OCDM. , 2007, , .		4
192	Beat Noise Mitigation via Hybrid 1D/2D-OCDM: Application to Monitoring of High Capacity PONs. , 2008, , \cdot		4
193	Time-Stacked Optical Labels: An Alternative to Label-Swapping. , 2008, , .		4
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