Hercules Avramopoulos

List of Publications by Year
in descending order

212 papers	3,476 citations	147801 31 h-index	206112 48 g-index
213 all docs	213 docs citations	213 times ranked	1971 citing authors

#	Article	IF	Citations
1	IST-LASAGNE: towards all-optical label swapping employing optical logic gates and optical flip-flops. Journal of Lightwave Technology, 2005, 23, 2993-3011.	4.6	163
2	20 Gb/s all-optical XOR with UNI gate. IEEE Photonics Technology Letters, 2000, 12, 834-836.	2.5	135
3	10 Gbit/s all-optical Boolean XOR with SOA fibre Sagnac gate. Electronics Letters, 1999, 35, 1650.	1.0	94
4	All-optical signal Processing and applications within the esprit project DO/spl I.bar/ALL. Journal of Lightwave Technology, 2005, 23, 781-801.	4.6	84
5	Active plasmonics in WDM traffic switching applications. Scientific Reports, 2012, 2, 652.	3.3	76
6	Multiwavelength and power equalized SOA laser sources. IEEE Photonics Technology Letters, 2002, 14, 693-695.	2.5	74
7	A 5G mmWave Fiber-Wireless IFoF Analog Mobile Fronthaul Link With up to 24-Gb/s Multiband Wireless Capacity. Journal of Lightwave Technology, 2019, 37, 2883-2891.	4.6	73
8	All-optical arbitrary demultiplexing at 25 Gbits/s with tolerance to timing jitter. Optics Letters, 1991, 16, 1838.	3.3	69
9	10 x 30 GHz pulse train generation from semiconductor amplifier fiber ring laser. IEEE Photonics Technology Letters, 2000, 12, 25-27.	2.5	69
10	All-optical packet address and payload separation. IEEE Photonics Technology Letters, 2002, 14, 1728-1730.	2.5	65
11	Clock recovery circuit for optical packets. IEEE Photonics Technology Letters, 2002, 14, 1363-1365.	2.5	64
12	All-optical, all-fiber circulating shift register with an inverter. Optics Letters, 1991, 16, 1999.	3.3	61
13	30 Gb/s all-optical clock recovery circuit. IEEE Photonics Technology Letters, 2000, 12, 705-707.	2.5	60
14	Dielectricâ€loaded plasmonic waveguide components: Going practical. Laser and Photonics Reviews, 2013, 7, 938-951.	8.7	58
15	10-Gb/s All-Optical Half-Adder With Interferometric SOA Gates. IEEE Photonics Technology Letters, 2004, 16, 284-286.	2.5	55
16	Analysis of a Multibeam Optical Beamforming Network Based on Blass Matrix Architecture. Journal of Lightwave Technology, 2018, 36, 3354-3372.	4.6	54
17	All-optical XOR in a semiconductor optical amplifier-assisted fiber Sagnac gate. IEEE Photonics Technology Letters, 1999, 11, 334-336.	2.5	49
18	Ultrafast time-domain technology and its application in all-optical signal processing. Journal of Lightwave Technology, 2003, 21, 1857-1868.	4.6	48

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19	Interfacing Dielectric-Loaded Plasmonic and Silicon Photonic Waveguides: Theoretical Analysis and Experimental Demonstration. IEEE Journal of Quantum Electronics, 2012, 48, 678-687.	1.9	47
20	Ultrafast Semiconductor-Based Fiber Laser Sources. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 147-154.	2.9	46
21	Rate multiplication by double-passing fabry-Perot filtering. IEEE Photonics Technology Letters, 2003, 15, 1294-1296.	2.5	45
22	NEPHELE: An End-to-End Scalable and Dynamically Reconfigurable Optical Architecture for Application-Aware SDN Cloud Data Centers. , 2018, 56, 178-188.		45
23	Addressable fiber-loop memory. Optics Letters, 1993, 18, 22.	3.3	44
24	40 Gb/s NRZ Wavelength Conversion Using a Differentially-Biased SOA-MZI: Theory and Experiment. Journal of Lightwave Technology, 2011, 29, 1489-1499.	4.6	44
25	All-optical network subsystems using integrated SOA-based optical gates and flip-flops for label-swapped networks. IEEE Photonics Technology Letters, 2006, 18, 1750-1752.	2.5	43
26	Hybrid Photonic Integration on a Polymer Platform. Photonics, 2015, 2, 1005-1026.	2.0	41
27	Clock and data recovery circuit for 10-Gb/s asynchronous optical packets. IEEE Photonics Technology Letters, 2003, 15, 1666-1668.	2.5	40
28	Experimental and theoretical studies of complex pulse evolutions in a passively mode-locked ring dye laser. IEEE Journal of Quantum Electronics, 1988, 24, 1884-1892.	1.9	39
29	Complete switching in a three-terminal Sagnac switch. IEEE Photonics Technology Letters, 1991, 3, 235-237.	2.5	36
30	40-Gb/s All-Optical Processing Systems Using Hybrid Photonic Integration Technology. Journal of Lightwave Technology, 2006, 24, 4903-4911.	4.6	36
31	Toward efficient, reliable, and autonomous optical networks: the ORCHESTRA solution [Invited]. Journal of Optical Communications and Networking, 2019, 11, C10.	4.8	35
32	Optical clock repetition-rate multiplier for high-speed digital optical logic circuits. Optics Letters, 1999, 24, 717.	3.3	34
33	20-GHz broadly tunable and stable mode-locked semiconductor amplifier fiber ring laser. Optics Letters, 1999, 24, 1209.	3.3	34
34	Experimental and theoretical studies of a high repetition rate fiber laser, mode-locked by external optical modulation. Optics Communications, 2000, 180, 301-315.	2.1	32
35	048Tb/s (12x40Gb/s) WDM transmission and high-quality thermo-optic switching in dielectric loaded plasmonics. Optics Express, 2012, 20, 7655.	3.4	32
36	An SOA-MZI NRZ Wavelength Conversion Scheme With Enhanced 2R Regeneration Characteristics. IEEE Photonics Technology Letters, 2009, 21, 1363-1365.	2.5	31

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37	On the QKD Integration in Converged Fiber/Wireless Topologies for Secured, Low-Latency 5G/B5G Fronthaul. Applied Sciences (Switzerland), 2020, 10, 5193.	2.5	31
38	10 Ã— 10 GHz simultaneously modelocked multiwavelength fibre ring laser. Electronics Letters, 1999, 35, 717.	1.0	29
39	Recipe for Intensity Modulation Reduction in SOA-Based Interferometric Switches. Journal of Lightwave Technology, 2004, 22, 2834-2841.	4.6	28
40	Serial 100 Gb/s connectivity based on polymer photonics and InP-DHBT electronics. Optics Express, 2012, 20, 28538.	3.4	28
41	Polymer enabled 100Gbaud connectivity for datacom applications. Optics Communications, 2016, 362, 13-21.	2.1	28
42	Optically addressable 2 x 2 exchange/bypass packet switch. IEEE Photonics Technology Letters, 2002, 14, 998-1000.	2.5	26
43	Marginless Operation of Optical Networks. Journal of Lightwave Technology, 2019, 37, 1698-1705.	4.6	26
44	Enabling Tb/s Photonic Routing: Development of Advanced Hybrid Integrated Photonic Devices to Realize High-Speed, All-Optical Packet Switching. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 849-860.	2.9	25
45	All-Optical T-Flip-Flop Using a Single SOA-MZI-Based Latching Element. IEEE Photonics Technology Letters, 2012, 24, 748-750.	2.5	25
46	Data Transmission and Thermo-Optic Tuning Performance of Dielectric-Loaded Plasmonic Structures Hetero-Integrated on a Silicon Chip. IEEE Photonics Technology Letters, 2012, 24, 374-376.	2.5	25
47	All-optical clock recovery from short asynchronous data packets at 10 Gb/s. IEEE Photonics Technology Letters, 2003, 15, 1291-1293.	2.5	23
48	Pulse Repetition Frequency Multiplication With Spectral Selection in Fabryâ€“Perot Filters. IEEE Journal of Quantum Electronics, 2004, 40, 157-165.	1.9	23
49	40 Gb/s all-optical packet clock recovery with ultrafast lock-in time and low inter-packet guardbands. Optics Express, 2005, 13, 475.	3.4	23
50	True Time Delay Optical Beamforming Network Based on Hybrid Inp-Silicon Nitride Integration. Journal of Lightwave Technology, 2021, 39, 5845-5854.	4.6	23
51	Optical pulse narrowing by the spectral windowing of self-phase modulated picosecond pulses. Optics Communications, 1986, 59, 399-404.	2.1	22
52	Sagnac fiber logic gates and their possible applications: a system perspective. Applied Optics, 1994, 33, 6254.	2.1	22
53	All-Optical 3R Burst-Mode Reception at 40 Gb/s Using Four Integrated MZI Switches. Journal of Lightwave Technology, 2007, 25, 184-192.	4.6	22
54	High Speed Direct Modulation of a Heterogeneously Integrated InP/SOI DFB Laser. Journal of Lightwave Technology, 2016, 34, 1683-1687.	4.6	22

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55	Photonics in switching: enabling technologies and subsystem design. Journal of Optical Networking, 2009, 8, 404.	2.5	21
56	Compact mode-locked solid-state lasers at 05- and 1-GHz repetition rates. Optics Letters, 1990, 15, 1070.	3.3	20
57	ARTEMIS: 40-gb/s all-optical self-routing node and network architecture employing asynchronous bit and packet-level optical signal processing. Journal of Lightwave Technology, 2006, 24, 2967-2977.	4.6	20
58	High performance refractive index sensor based on low Q-factor ring resonators and FFT processing of wavelength scanning data. Optics Express, 2017, 25, 7483.	3.4	20
59	Optical Power Limiter Using a Saturated SOA-Based Interferometric Switch. IEEE Photonics Technology Letters, 2004, 16, 2350-2352.	2.5	19
60	All-Optical RZ-to-NRZ Conversion of Advanced Modulated Signals. IEEE Photonics Technology Letters, 2012, 24, 179-181.	2.5	18
61	Multi-100 GbE and 400 GbE Interfaces for Intra-Data Center Networks Based on Arrayed Transceivers With Serial 100 Gb/s Operation. Journal of Lightwave Technology, 2015, 33, 943-954.	4.6	18
62	New set of design rules for resonant refractive index sensors enabled by FFT based processing of the measurement data. Optics Express, 2016, 24, 7611.	3.4	18
63	Amplification of femtosecond optical pulses using a double confocal resonator. Optics Letters, 1989, 14, 1068.	3.3	17
64	All-optical write/read memory for 20 Gbit/s data packets. Electronics Letters, 2000, 36, 1050.	1.0	17
65	Ultrafast nonlinear interferometer (UNI)-based digital optical circuits and their use in packet switching. Journal of Lightwave Technology, 2003, 21, 2629-2637.	4.6	17
66	40 Gb/s 2R Burst Mode Receiver with a single integrated SOA-MZI switch. Optics Express, 2007, 15, 5043.	3.4	17
67	Optical Beamforming Network for Multi-Beam Operation With Continuous Angle Selection. IEEE Photonics Technology Letters, 2019, 31, 177-180.	2.5	17
68	Design Algorithm of All-Optical Linear Feedback Shift Registers. AEU - International Journal of Electronics and Communications, 2003, 57, 328-332.	2.9	16
69	Cascadability Performance Evaluation of a New NRZ SOA-MZI Wavelength Converter. IEEE Photonics Technology Letters, 2009, 21, 1341-1343.	2.5	16
70	A tunable continuous wave (CW) and short-pulse optical source for THz brain imaging applications. Measurement Science and Technology, 2009, 20, 104001.	2.6	16
71	Passive ROADM Flexibility in Optical Access With Spectral and Spatial Reconfigurability. IEEE Journal on Selected Areas in Communications, 2015, 33, 2837-2846.	14.0	16
72	Optical signal processing using integrated multi-element SOAâ€“MZI switch arrays for packet switching. IET Optoelectronics, 2007, 1, 120.	3.3	15

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73	Allâ€optical clocked D flipâ€flop memory using a hybrid integrated Sâ€R latch. Microwave and Optical Technology Letters, 2011, 53, 1201-1204.	1.4	14
74	Active Plasmonics in True Data Traffic Applications: Thermo-Optic On/Off Gating Using a Silicon-Plasmonic Asymmetric Machâ€“Zehnder Interferometer. IEEE Photonics Technology Letters, 2012, 24, 1036-1038.	2.5	14
75	Segmented Optical Transmitter Comprising a CMOS Driver Array and an InP IQ-MZM for Advanced Modulation Formats. Journal of Lightwave Technology, 2017, 35, 862-867.	4.6	14
76	Flexible Filtering Element on SOI With Wide Bandwidth Tunability and Full FSR tuning. Journal of Lightwave Technology, 2019, 37, 300-306.	4.6	14
77	A numerical model for the study of phase effects in passive mode-locking. Optics Communications, 1989, 71, 370-376.	2.1	13
78	Packet-Format and Network-Traffic Transparent Optical Signal Processing. Journal of Lightwave Technology, 2004, 22, 2548-2556.	4.6	13
79	Compact all-optical packet clock and data recovery circuit using generic integrated MZI switches. Optics Express, 2005, 13, 6401.	3.4	13
80	On-the-Fly All-Optical Contention Resolution for NRZ and RZ Data Formats Using Packet Envelope Detection and Integrated Optical Switches. IEEE Photonics Technology Letters, 2007, 19, 538-540.	2.5	13
81	Design of grating couplers and MMI couplers on the TriPleX platform enabling ultra-compact photonic-based biosensors. Sensors and Actuators B: Chemical, 2015, 209, 1057-1063.	7.8	13
82	Analysis of periodic pulse evolutions in a passively mode-locked ring dye laser. IEEE Journal of Quantum Electronics, 1989, 25, 2469-2475.	1.9	12
83	Contention Resolution for Burst-Mode Traffic Using Integrated SOA-MZI Gate Arrays and Self-Resetting Optical Flip-Flops. IEEE Photonics Technology Letters, 2008, 20, 2024-2026.	2.5	12
84	All-optical synchronous S-R flip-flop based on active interferometric devices. Electronics Letters, 2010, 46, 709.	1.0	12
85	Ultracompact and Low-Power Plasmonic MZI Switch Using Cyclomer Loading. IEEE Photonics Technology Letters, 2015, 27, 963-966.	2.5	12
86	High-Speed VCSEL-Based Transceiver for 200 GbE Short-Reach Intra-Datacenter Optical Interconnects. Applied Sciences (Switzerland), 2019, 9, 2488.	2.5	12
87	2D Optical Phased Arrays for Laser Beam Steering Based On 3D Polymer Photonic Integrated Circuits. Journal of Lightwave Technology, 2021, 39, 6509-6523.	4.6	12
88	Polarization-independent all-optical switching. IEEE Photonics Technology Letters, 1992, 4, 260-263.	2.5	11
89	DPSK Regeneration at 40 Gb/s and Beyond Using a Fiber-Sagnac Interferometer. IEEE Photonics Technology Letters, 2010, 22, 1187-1189.	2.5	11
90	Bandpass sampling in heterodyne receivers for coherent optical access networks. Optics Express, 2012, 20, 29404.	3.4	11

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91	On the fly all-optical packet switching based on hybrid WDM/OCDMA labeling scheme. Optics Communications, 2014, 312, 175-184.	2.1	11
92	SOA-Based Multi-Wavelength Laser Sources. Fiber and Integrated Optics, 2004, 23, 263-274.	2.5	10
93	Silicon-on-Insulator Nanowire Resonators for Compact and Ultra-High Speed All-Optical Wavelength Converters. Journal of Lightwave Technology, 2011, 29, 3054-3060.	4.6	10
94	Full-Duplex 4-PAM Transmission for Capacity Upgrade in Loop-Back PONs. IEEE Photonics Technology Letters, 2013, 25, 1125-1128.	2.5	10
95	(2 imes 100) -Gb/s NRZ-OOK Integrated Transmitter for Intradata Center Connectivity. IEEE Photonics Technology Letters, 2014, 26, 2078-2081.	2.5	10
96	LEO Satellites Constellation-to-Ground QKD Links: Greek Quantum Communication Infrastructure Paradigm. Photonics, 2021, 8, 544.	2.0	10
97	All-Optical Label/Payload Separation at 40 Gb/s. IEEE Photonics Technology Letters, 2006, 18, 2023-2025.	2.5	9
98	Design of All-Optical Contention Detection and Resolution for 40-Gb/s Label-Switched Routers. IEEE Photonics Technology Letters, 2006, 18, 2478-2480.	2.5	9
99	2$,imes,$2 Exchange/Bypass Switch Using 0.8 m of Highly Nonlinear Bismuth Oxide Fiber. IEEE Photonics Technology Letters, 2007, 19, 723-725.	2.5	9
100	Implementation of an All-Optical Time-Slot-Interchanger Architecture. IEEE Photonics Technology Letters, 2007, 19, 1307-1309.	2.5	9
101	Repetition Rate Multiplication of Pseudorandom Bit Sequences. IEEE Photonics Technology Letters, 2009, 21, 456-458.	2.5	9
102	High Performance Carrier Phase Recovery for Coherent Optical QAM. , 2015, , .		9
103	Laser direct writing of 40 GHz RF components on flexible substrates. Optics and Laser Technology, 2016, 79, 108-114.	4.6	9
104	Low-drift modulator without feedback. IEEE Photonics Technology Letters, 1992, 4, 855-857.	2.5	8
105	All-Optical Carrier Recovery with Periodic Optical Filtering for Wavelength Reuse in RSOA-based Colorless Optical Network Units in Full-Duplex 10Gbps WDM-PONs. , 2010, , .		8
106	An All-Optical Carrier Recovery Scheme for Access Networks With Simple ASK Modulation. Journal of Optical Communications and Networking, 2011, 3, 704.	4.8	8
107	Complex monolithic and InP hybrid integration on high bandwidth electro-optic polymer platform. Optics Letters, 2012, 37, 3465.	3.3	8
108	Multi-Flow Transmitter Based on Polarization and Optical Carrier Management on Optical Polymers. IEEE Photonics Technology Letters, 2016, 28, 1169-1172.	2.5	8

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109	A Miniature Bio-Photonics Companion Diagnostics Platform for Reliable Cancer Treatment Monitoring in Blood Fluids. Sensors, 2021, 21, 2230.	3.8	8
110	Optical-Logic-Gate Aided Packet-Switching in Transparent Optical Networks. Journal of Lightwave Technology, 2008, 26, 2848-2856.	4.6	7
111	Slotted TDMA and optically switched network for disaggregated datacenters. , 2017, , .		7
112	Temporal and spectral behaviour of passively mode locked dye lasers. Optics Communications, 1990, 76, 229-234.	2.1	6
113	Repetition rate upgrade for optical sources. IEEE Photonics Technology Letters, 2003, 15, 861-863.	2.5	6
114	Quaternary TDM-PAM as upgrade path of access PON beyond 10Gb/s. Optics Express, 2012, 20, B15.	3.4	6
115	Demonstration of a Plasmonic MMI Switch in 10-Gb/s True Data Traffic Conditions. IEEE Photonics Technology Letters, 2012, 24, 1819-1822.	2.5	6
116	The BOOM Project: Towards 160 Gb/s Packet Switching Using SOI Photonic Integrated Circuits and Hybrid Integrated Optical Flip-Flops. Journal of Lightwave Technology, 2012, 30, 22-30.	4.6	6
117	Fully-Passive Resiliency Switch for Agile PON Restoration. , 2015, , .		6
118	A scalable optically-switched datacenter network with multicasting. , 2016, , .		6
119	A Flexible, High-Performance FPGA Implementation of a Feed-Forward Equalizer for Optical Interconnects up to 112 Gb/s. Journal of Signal Processing Systems, 2017, 88, 107-125.	2.1	6
120	Experimental Demonstration of a Fully Disaggregated and Automated White Box Comprised of Different Types of Transponders and Monitors. Journal of Lightwave Technology, 2019, 37, 824-830.	4.6	6
121	Demonstration of a Hybrid Analogâ€“Digital Transport System Architecture for 5G and Beyond Networks. Applied Sciences (Switzerland), 2022, 12, 2122.	2.5	6
122	Optical pulse compression in a polarization insensitive non-linear loop mirror. Optics Communications, 2004, 238, 105-111.	2.1	5
123	Additive Noise and Jitter Performance Analysis of Passive Optical Interferometers Operated at Ultrahigh Rates. IEEE Journal of Quantum Electronics, 2006, 42, 918-926.	1.9	5
124	Packet-level synchronization scheme for optical packet switched network nodes. Optics Express, 2006, 14, 12665.	3.4	5
125	Packet clock recovery using a bismuth oxide fiber-based optical power limiter. Optics Express, 2007, 15, 9948.	3.4	5
126	Flexible quadrature amplitude modulation with semiconductor optical amplifier and electroabsorption modulator. Optics Letters, 2012, 37, 3222.	3.3	5

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127	Experimental Demonstration of an Elastic Packet Routing Node Based on OCDMA Label Coding. IEEE Photonics Technology Letters, 2012, 24, 721-723.	2.5	5
128	Performance comparison of all-optical clocked S-R and D type flip-flops. Optik, 2013, 124, 2327-2333.	2.9	5
129	Coexistence of Discrete-Variable QKD with WDM Classical Signals in the C-Band for Fiber Access Environments. , 2019, , .		5
130	Enabling low-cost high-volume production compatible terabit transceivers with up to 1.6 Tbps capacity and 100Gbps per lane PAM-4 modulation for intra-data center optical interconnects up to 2km: The TERIPHIC project approach. , 2020, , .		5
131	Phase-Incoherent DQPSK Wavelength Conversion Using a Photonic Integrated Circuit. IEEE Photonics Technology Letters, 2011, 23, 1649-1651.	2.5	4
132	Multi-format all-optical processing based on a large-scale, hybridly integrated photonic circuit. Optics Express, 2011, 19, 11479.	3.4	4
133	Fabrication and experimental demonstration of the first 160 Gb/s hybrid silicon-on-insulator integrated all-optical wavelength converter. Optics Express, 2012, 20, 3825.	3.4	4
134	Colorless ONU With Discolored Source and Hybrid SOI Integrated Wavelength Converter. IEEE Photonics Technology Letters, 2012, 24, 386-388.	2.5	4
135	Merging Plasmonics and Silicon Photonics Towards Greener and Faster â€œNetwork-on-Chipâ€•Solutions for Data Centers and High-Performance Computing Systems. , 0, , .		4
136	Bringing High-Performance GaInNAsSb/GaAs SOAs to True Data Applications. IEEE Photonics Technology Letters, 2015, 27, 1691-1694.	2.5	4
137	On the Ring Resonator-Based Dispersion Compensation Method for Analog 5G/B5G Mobile Fronthauling. Journal of Lightwave Technology, 2021, 39, 1662-1671.	4.6	4
138	On the Availability of the Decoy State BB84 QKD over a Terrestrial FSO Link. , 2021, , .		4
139	Optical terabit transmitter and receiver based on passive polymer and InP technology for high-speed optical connectivity between datacenters. , 2018, , .		4
140	SDN Control Framework with Dynamic Resource Assignment for Slotted Optical Datacenter Networks. , 2017, , .		4
141	Multi-Rate and Multi-Channel Optical Equalizer Based on Photonic Integration. IEEE Photonics Technology Letters, 2020, 32, 1465-1468.	2.5	4
142	Novel Benes Network Routing Algorithm and Hardware Implementation. Technologies, 2022, 10, 16.	5.1	4
143	Derivation and measurement of the reversible temporal lengthening of femtosecond optical pulses for the case of a four-prism sequence. Optics Letters, 1990, 15, 550.	3.3	3
144	40-Gb/s 3R Burst Mode Regenerator Using Four Integrated MZI Switches. IEEE Photonics Technology Letters, 2007, 19, 288-290.	2.5	3

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145	Cascaded Operation of a 2R Burst-Mode Regenerator for Optical Burst Switching Network Transmission. IEEE Photonics Technology Letters, 2007, 19, 1834-1836.	2.5	3
146	All-Optical Four-Wavelength Burst Mode Regeneration Using Integrated Quad SOA-MZI Arrays. IEEE Photonics Technology Letters, 2008, 20, 1953-1955.	2.5	3
147	SiN-assisted flip-chip adiabatic coupler between SiPh and Glass OPCBs. Proceedings of SPIE, 2016, , .	0.8	3
148	120 Gb/s PAM-8 and 80 Gb/s PAM-4 Optical Interconnect with a Sub-Volt Driven EAM. , 2015, , .		3
149	SOI-ring based analog phase processing for chromatic dispersion compensation in A-IFoF Fronthaul. , 2019, , .		3
150	Large - Scale LEO Satellite Constellation to Ground QKD links: Feasibility Analysis. , 2022, , .		3
151	23 Wavelength with 100 GHz spacing comb generator source. Optical and Quantum Electronics, 2003, 35, 865-872.	3.3	2
152	Experimental and Theoretical Investigation of Nonlinear-Crosstalk in SCM-WDM CATV Systems. Optical and Quantum Electronics, 2004, 36, 413-430.	3.3	2
153	Generation of 40-GHz control signals from flag pulses for switching all-optical gates for use with optical packets. Optics Letters, 2004, 29, 241.	3.3	2
154	Colorless ONU With All-Optical Clock Recovery for Full-Duplex Dense WDM PONs. IEEE Photonics Technology Letters, 2011, 23, 1433-1435.	2.5	2
155	Fabrication and Experimental Demonstration of a Four-Channel$,imes,$40 Gb/s TriPleX All-Optical Wavelength Conversion Platform. Journal of Lightwave Technology, 2011, 29, 1886-1891.	4.6	2
156	Full-Duplex 20/10 Gb/s WDM-PON with Remodulation of Chirped ASK and Multi-level Quaternary PAM and OFDM. , 2012, , .		2
157	1.55 µm GaInNAsSb/GaAs Ridge Waveguide Lasers and Semiconductor Optical Amplifiers for Photonic Integrated Circuits. , 2014, , .		2
158	Frequency offset estimation and carrier phase recovery for high-order QAM constellations using the Viterbi-Viterbi monomial estimator. , 2014, , .		2
159	Photonic integration enabling new multiplexing concepts in optical board-to-board and rack-to-rack interconnects. , 2014, , .		2
160	Fully Passive Resiliency Node for Optical Access [Invited]. Journal of Optical Communications and Networking, 2015, 7, B10.	4.8	2
161	Optical PAM-4 generation through polarization multiplexing in single-polarization single-mode VCSELs. , 2016, , .		2
162	112 Gb/s sub-cycle 16-QAM Nyquist-SCM for intra-datacenter connectivity. Proceedings of SPIE, 2016, , .	0.8	2

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163	16 Ã— 1 Packaged MUX/DEMUX for Flexible-Grid Optical Networks. Journal of Lightwave Technology, 2017, 35, 3050-3059.	4.6	2
164	Angled 3D Glass-to-Silicon Photonics Coupling Interface. IEEE Photonics Technology Letters, 2017, 29, 763-766.	2.5	2
165	NEPHELE: Vertical Integration and Real-Time Demonstration of an Optical Datacenter Network. , 2018, , .		2
166	Carrier Phase Recovery of 64 GBd Optical 16-QAM Using Extensive Parallelization on an FPGA. , 2018, , .		2
167	Integrated Photonic Filters in Support of Converged 5G Mobile Fronthaul & Midhaul Transport Layers. Fiber and Integrated Optics, 2019, 38, 333-348.	2.5	2
168	End-to-End Real-Time Demonstration of the Slotted, SDN-Controlled NEPHELE Optical Datacenter Network. Photonics, 2020, 7, 44.	2.0	2
169	QKD in Support of Secured P2P and P2MP Key Exchange for Low-Latency 5G Connectivity. , 2020, , .		2
170	Optical datacenter network employing slotted (TDMA) operation for dynamic resource allocation. , 2018, , .		2
171	Polarization-insensitive glass-to-silicon photonics coupler. , 2019, , .		2
172	A new generation of high-speed electro-optical transceivers and flexible bandwidth wavelength selective switches for coherent DCI: the QAMeleon project approach. , 2019, , .		2
173	(ECOC 2021) Disaggregation and Cloudification of Metropolitan Area Networks: enabling technologies and impact on Architecture, Cost and Power Consumption [Invited]. Journal of Optical Communications and Networking, 0, , .	4.8	2
174	Repetition frequency quadruplication through Fabry-Perot filtering. Optical Engineering, 2003, 42, 3075.	1.0	1
175	Control Signal Generation From Flag Pulses to Drive All-Optical Gates. IEEE Photonics Technology Letters, 2004, 16, 1122-1124.	2.5	1
176	40 Gbit/s NRZ Packet-Length Insensitive Header Extraction for Optical Label Switching Networks. , 2006, , .		1
177	Wavelength reuse in a colourless ONU with all-optical clock recovery for full-duplex dense WDM PONs. , 2011, , .		1
178	Low energy routing platforms for optical interconnects using active Plasmonics integrated with Silicon Photonics. , 2012, , .		1
179	Blind SNR estimation for QAM constellations based on the signal magnitude statistics. , 2013, , .		1
180	Photonic - Electronic platform for next generation optical transport network. , 2013, , .		1

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181	1.55-Î¼m Dilute Nitride SOAs with low temperature sensitivity for coolerless on-chip operation. , 2015, , .		1
182	SiN-assisted polarization-insensitive multicore fiber to silicon photonics interface. Proceedings of SPIE, 2015, , .	0.8	1
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