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	Novel Benes Network Routing Algorithm and Hardware Implementation. Technologies, 2022, 10, 16.	5.1	4
2	Demonstration of a Hybrid Analogâ€“Digital Transport System Architecture for 5G and Beyond Networks. Applied Sciences (Switzerland), 2022, 12, 2122.	2.5	6
3	Large - Scale LEO Satellite Constellation to Ground QKD links: Feasibility Analysis. , 2022, , .		3
4	A Dynamically Reconfigurable Optical Switching Node for Hybrid Analog/Digital RoF Transport. , 2022, , .		0
5	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
6	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
7	Studies on the readability and on the detection rate in a Machâ€“Zehnder interferometer-based implementation for high-rate, long-distance QKD protocols. European Physical Journal D, 2021, 75, 1.	1.3	1
8	A Miniature Bio-Photonics Companion Diagnostics Platform for Reliable Cancer Treatment Monitoring in Blood Fluids. Sensors, 2021, 21, 2230.	3.8	8
9	On the Impact of Center Frequency Drifts on QKD Performance in WDM-based Nodes. , 2021, , .		0
10	On the Availability of the Decoy State BB84 QKD over a Terrestrial FSO Link. , 2021, , .		4
11	True Time Delay Optical Beamforming Network Based on Hybrid Inp-Silicon Nitride Integration. Journal of Lightwave Technology, 2021, 39, 5845-5854.	4.6	23
12	LEO Satellites Constellation-to-Ground QKD Links: Greek Quantum Communication Infrastructure Paradigm. Photonics, 2021, 8, 544.	2.0	10
13	5G-COMPLETE: Service-Driven Slice Management over Heterogeneous 5G Infrastructures. , 2021, , .		1
14	End-to-End Real-Time Demonstration of the Slotted, SDN-Controlled NEPHELE Optical Datacenter Network. Photonics, 2020, 7, 44.	2.0	2
15	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
16	QKD in Support of Secured P2P and P2MP Key Exchange for Low-Latency 5G Connectivity. , 2020, , .		2
17	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
18	Multi-Rate and Multi-Channel Optical Equalizer Based on Photonic Integration. IEEE Photonics Technology Letters, 2020, 32, 1465-1468.	2.5	4

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19	Design of a Real-Time DSP Engine on RF-SoC FPGA for 5G Networks. Lecture Notes in Computer Science, 2020, , 540-551.	1.3	0
20	An end-to-end 5G fiber wireless A-RoF/IFoF link based on a 60 GHz beamsteering antenna and an InP EML. , 2020, , .		0
21	12ÂGb/s Multiband Fiber-Wireless Link Using Coherent IFoF and V-band mmWave Radio. Lecture Notes in Computer Science, 2020, , 437-443.	1.3	0
22	High-Speed VCSEL-Based Transceiver for 200 GbE Short-Reach Intra-Datacenter Optical Interconnects. Applied Sciences (Switzerland), 2019, 9, 2488.	2.5	12
23	Optical Beamforming Network for Multi-Beam Operation With Continuous Angle Selection. IEEE Photonics Technology Letters, 2019, 31, 177-180.	2.5	17
24	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
25	Toward efficient, reliable, and autonomous optical networks: the ORCHESTRA solution [Invited]. Journal of Optical Communications and Networking, 2019, 11, C10.	4.8	35
26	Integrated Photonic Filters for Flexible Analog-based Mobile Fronthauling. , 2019, , .		0
27	Coexistence of Discrete-Variable QKD with WDM Classical Signals in the C-Band for Fiber Access Environments. , 2019, , .		5
28	Integrated Photonic Filters in Support of Converged 5G Mobile Fronthaul & Midhaul Transport Layers. Fiber and Integrated Optics, 2019, 38, 333-348.	2.5	2
29	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
30	Marginless Operation of Optical Networks. Journal of Lightwave Technology, 2019, 37, 1698-1705.	4.6	26
31	Flexible Filtering Element on SOI With Wide Bandwidth Tunability and Full FSR tuning. Journal of Lightwave Technology, 2019, 37, 300-306.	4.6	14
32	SOI-ring based analog phase processing for chromatic dispersion compensation in A-IFoF Fronthaul. , 2019, , .		3
33	Polarization-insensitive glass-to-silicon photonics coupler. , 2019, , .		2
34	Design of ultra-compact multimode interference (MMI) couplers and high efficiency grating couplers in TriPleX platform as part of a photonic based sensor. , 2019, , .		1
35	A new generation of high-speed electro-optical transceivers and flexible bandwidth wavelength selective switches for coherent DCI: the QAMeleon project approach. , 2019, , .		2
36	SiN-assisted Polymer-to-SiPh adiabatic coupler optimization. , 2019, , .		0

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37	NEPHELE: An End-to-End Scalable and Dynamically Reconfigurable Optical Architecture for Application-Aware SDN Cloud Data Centers. , 2018, 56, 178-188.		45
38	NEPHELE: Vertical Integration and Real-Time Demonstration of an Optical Datacenter Network. , 2018, , .		2
39	Carrier Phase Recovery of 64 GBd Optical 16-QAM Using Extensive Parallelization on an FPGA. , 2018, , .		2
40	Multiflow Transmitter With Full Format and Rate Flexibility for Next Generation Networks. Journal of Lightwave Technology, 2018, 36, 3785-3793.	4.6	1
41	Analysis of a Multibeam Optical Beamforming Network Based on Blass Matrix Architecture. Journal of Lightwave Technology, 2018, 36, 3354-3372.	4.6	54
42	Optical terabit transmitter and receiver based on passive polymer and InP technology for high-speed optical connectivity between datacenters. , 2018, , .		4
43	Optical datacenter network employing slotted (TDMA) operation for dynamic resource allocation. , 2018, , .		2
44	Integrated polymer polarization rotator based on tilted laser ablation. , 2017, , .		0
45	16 Ã— 1 Packaged MUX/DEMUX for Flexible-Grid Optical Networks. Journal of Lightwave Technology, 2017, 35, 3050-3059.	4.6	2
46	Angled 3D Glass-to-Silicon Photonics Coupling Interface. IEEE Photonics Technology Letters, 2017, 29, 763-766.	2.5	2
47	Slotted TDMA and optically switched network for disaggregated datacenters. , 2017, , .		7
48	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
49	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
50	Slotted optical datacenter network with sub-wavelength resource allocation. , 2017, , .		0
51	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
52	SDN Control Framework with Dynamic Resource Assignment for Slotted Optical Datacenter Networks. , 2017, , .		4
53	Low Q-factor ring resonators with ultra-low limit of detection based on FFT processing of spectral scanning data. , 2017, , .		0
54	A 56 Gbaud reconfigurable FPGA feed-forward equalizer for optical datacenter networks with flexible baudrate- and modulation-format. , 2016, , .		1

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55	Optical PAM-4 generation through polarization multiplexing in single-polarization single-mode VCSELs. , 2016, , .		2
56	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
57	A scalable optically-switched datacenter network with multicasting. , 2016, , .		6
58	Polymer enabled 100Gbaud connectivity for datacom applications. Optics Communications, 2016, 362, 13-21.	2.1	28
59	SiN-assisted flip-chip adiabatic coupler between SiPh and Glass OPCBs. Proceedings of SPIE, 2016, , .	0.8	3
60	Scaling single-wavelength optical interconnects to 180 Gb/s with PAM-M and pulse shaping. Proceedings of SPIE, 2016, , .	0.8	0
61	112 Gb/s sub-cycle 16-QAM Nyquist-SCM for intra-datacenter connectivity. Proceedings of SPIE, 2016, , .	0.8	2
62	Multi-Flow Transmitter Based on Polarization and Optical Carrier Management on Optical Polymers. IEEE Photonics Technology Letters, 2016, 28, 1169-1172.	2.5	8
63	High Speed Direct Modulation of a Heterogeneously Integrated InP/SOI DFB Laser. Journal of Lightwave Technology, 2016, 34, 1683-1687.	4.6	22
64	Laser direct writing of 40 GHz RF components on flexible substrates. Optics and Laser Technology, 2016, 79, 108-114.	4.6	9
65	1.55-Î¼m Dilute Nitride SOAs with low temperature sensitivity for coolerless on-chip operation. , 2015, , .		1
66	Fully-Passive Resiliency Switch for Agile PON Restoration. , 2015, , .		6
67	Hybrid Photonic Integration on a Polymer Platform. Photonics, 2015, 2, 1005-1026.	2.0	41
68	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
69	Bringing High-Performance GaInNAsSb/GaAs SOAs to True Data Applications. IEEE Photonics Technology Letters, 2015, 27, 1691-1694.	2.5	4
70	Fully Passive Resiliency Node for Optical Access [Invited]. Journal of Optical Communications and Networking, 2015, 7, B10.	4.8	2
71	Ultracompact and Low-Power Plasmonic MZI Switch Using Cyclomer Loading. IEEE Photonics Technology Letters, 2015, 27, 963-966.	2.5	12
72	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

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73	SiN-assisted polarization-insensitive multicore fiber to silicon photonics interface. Proceedings of SPIE, 2015, , .	0.8	1
74	High Performance Carrier Phase Recovery for Coherent Optical QAM. , 2015, , .		9
75	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
76	120 Gb/s PAM-8 and 80 Gb/s PAM-4 Optical Interconnect with a Sub-Volt Driven EAM. , 2015, , .		3
77	Low Cost 4-PAM Heterodyne Digital Receiver for Long Reach Passive Optical Networks. , 2015, , .		1
78	1.55 µm GaInNAsSb/GaAs Ridge Waveguide Lasers and Semiconductor Optical Amplifiers for Photonic Integrated Circuits. , 2014, , .		2
79	Frequency offset estimation and carrier phase recovery for high-order QAM constellations using the Viterbi-Viterbi monomial estimator. , 2014, , .		2
80	Photonic integration enabling new multiplexing concepts in optical board-to-board and rack-to-rack interconnects. , 2014, , .		2
81	On the fly all-optical packet switching based on hybrid WDM/OCDMA labeling scheme. Optics Communications, 2014, 312, 175-184.	2.1	11
82	32 Gbaud QPSK and 16QAM field trial transmission over 560 km with GaAs IQ modulator for hybrid integration over SOI photonic circuits. , 2014, , .		0
83	(2 imes 100) -Gb/s NRZ-OOK Integrated Transmitter for Intradata Center Connectivity. IEEE Photonics Technology Letters, 2014, 26, 2078-2081.	2.5	10
84	Dielectricâ€loaded plasmonic waveguide components: Going practical. Laser and Photonics Reviews, 2013, 7, 938-951.	8.7	58
85	Low energy routing platforms for optical interconnects using active plasmonics integrated with Silicon Photonics. , 2013, , .		0
86	Mixed technology platform for terabit optical Ethernet applications. , 2013, , .		0
87	Full-Duplex 4-PAM Transmission for Capacity Upgrade in Loop-Back PONs. IEEE Photonics Technology Letters, 2013, 25, 1125-1128.	2.5	10
88	Performance comparison of all-optical clocked S-R and D type flip-flops. Optik, 2013, 124, 2327-2333.	2.9	5
89	Blind SNR estimation for QAM constellations based on the signal magnitude statistics. , 2013, , .		1
90	Photonic - Electronic platform for next generation optical transport network. , 2013, , .		1

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91	Flexible quadrature amplitude modulation with semiconductor optical amplifier and electroabsorption modulator. Optics Letters, 2012, 37, 3222.	3.3	5
92	Complex monolithic and InP hybrid integration on high bandwidth electro-optic polymer platform. Optics Letters, 2012, 37, 3465.	3.3	8
93	Quaternary TDM-PAM as upgrade path of access PON beyond 10Gb/s. Optics Express, 2012, 20, B15.	3.4	6
94	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
95	048Tb/s (12x40Gb/s) WDM transmission and high-quality thermo-optic switching in dielectric loaded plasmonics. Optics Express, 2012, 20, 7655.	3.4	32
96	Serial 100 Gb/s connectivity based on polymer photonics and InP-DHBT electronics. Optics Express, 2012, 20, 28538.	3.4	28
97	Bandpass sampling in heterodyne receivers for coherent optical access networks. Optics Express, 2012, 20, 29404.	3.4	11
98	Colorless ONU With Discolored Source and Hybrid SOI Integrated Wavelength Converter. IEEE Photonics Technology Letters, 2012, 24, 386-388.	2.5	4
99	Design, fabrication, and characterisation of fully etched TM grating coupler for photonic integrated system-in-package. , 2012, , .		0
100	Active plasmonics in WDM traffic switching applications. Scientific Reports, 2012, 2, 652.	3.3	76
101	All-Optical RZ-to-NRZ Conversion of Advanced Modulated Signals. IEEE Photonics Technology Letters, 2012, 24, 179-181.	2.5	18
102	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
103	Photonic Provisioning Using a Packaged SOI Hybrid All-Optical Wavelength Converter in a Meshed Optical Network Testbed. Journal of Lightwave Technology, 2012, 30, 2941-2947.	4.6	0
104	Low energy routing platforms for optical interconnects using active Plasmonics integrated with Silicon Photonics. , 2012, , .		1
105	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
106	Experimental Demonstration of an Elastic Packet Routing Node Based on OCDMA Label Coding. IEEE Photonics Technology Letters, 2012, 24, 721-723.	2.5	5
107	All-Optical T-Flip-Flop Using a Single SOA-MZI-Based Latching Element. IEEE Photonics Technology Letters, 2012, 24, 748-750.	2.5	25
108	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

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109	Full-Duplex 20/10 Gb/s WDM-PON with Remodulation of Chirped ASK and Multi-level Quaternary PAM and OFDM. , 2012, , .		2
110	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
111	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
112	Colorless ONU With All-Optical Clock Recovery for Full-Duplex Dense WDM PONs. IEEE Photonics Technology Letters, 2011, 23, 1433-1435.	2.5	2
113	Phase-Incoherent DQPSK Wavelength Conversion Using a Photonic Integrated Circuit. IEEE Photonics Technology Letters, 2011, 23, 1649-1651.	2.5	4
114	Wavelength reuse in a colourless ONU with all-optical clock recovery for full-duplex dense WDM PONs. , 2011, , .		1
115	Cognitive Routing in Converged Access-Metro Environment via $lambda$-Selective SOA-MZI Switch. IEEE Photonics Technology Letters, 2011, 23, 1820-1822.	2.5	0
116	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
117	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
118	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
119	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
120	Multi-format all-optical processing based on a large-scale, hybridly integrated photonic circuit. Optics Express, 2011, 19, 11479.	3.4	4
121	The European ICT-BOOM project: silicon photonic Tb/S routers for improved energy efficiency in optical networks. Proceedings of SPIE, 2011, , .	0.8	0
122	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
123	The BOOM project: a new generation of photonic routing subsystems using hybrid integration on silicon-on-insulator waveguide boards. Proceedings of SPIE, 2010, , .	0.8	0
124	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
125	All-optical synchronous S-R flip-flop based on active interferometric devices. Electronics Letters, 2010, 46, 709.	1.0	12
126	DPSK Regeneration at 40 Gb/s and Beyond Using a Fiber-Sagnac Interferometer. IEEE Photonics Technology Letters, 2010, 22, 1187-1189.	2.5	11

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127	Photonic Routing Systems Using All-optical, Hybrid Integrated Wavelength Converter Arrays. Journal of Networks, 2010, 5, .	0.4	0
128	Photonics in switching: enabling technologies and subsystem design. Journal of Optical Networking, 2009, 8, 404.	2.5	21
129	Repetition Rate Multiplication of Pseudorandom Bit Sequences. IEEE Photonics Technology Letters, 2009, 21, 456-458.	2.5	9
130	Cascadability Performance Evaluation of a New NRZ SOA-MZI Wavelength Converter. IEEE Photonics Technology Letters, 2009, 21, 1341-1343.	2.5	16
131	An SOA-MZI NRZ Wavelength Conversion Scheme With Enhanced 2R Regeneration Characteristics. IEEE Photonics Technology Letters, 2009, 21, 1363-1365.	2.5	31
132	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
133	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
134	All-Optical Four-Wavelength Burst Mode Regeneration Using Integrated Quad SOA-MZI Arrays. IEEE Photonics Technology Letters, 2008, 20, 1953-1955.	2.5	3
135	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
136	Optical-Logic-Gate Aided Packet-Switching in Transparent Optical Networks. Journal of Lightwave Technology, 2008, 26, 2848-2856.	4.6	7
137	Enabling Tb/s photonic routing: Development of advanced hybrid integrated photonic devices to realize high-speed, all-optical networking. , 2008, , .		0
138	Physical architectures for packet-switching network nodes based on nonlinear logic gates. , 2008, , .		0
139	Optical signal processing using integrated multi-element SOAâ€“MZI switch arrays for packet switching. IET Optoelectronics, 2007, 1, 120.	3.3	15
140	40 Gb/s 2R Burst Mode Receiver with a single integrated SOA-MZI switch. Optics Express, 2007, 15, 5043.	3.4	17
141	Packet clock recovery using a bismuth oxide fiber-based optical power limiter. Optics Express, 2007, 15, 9948.	3.4	5
142	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
143	40-Gb/s 3R Burst Mode Regenerator Using Four Integrated MZI Switches. IEEE Photonics Technology Letters, 2007, 19, 288-290.	2.5	3
144	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

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145	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
146	Implementation of an All-Optical Time-Slot-Interchanger Architecture. IEEE Photonics Technology Letters, 2007, 19, 1307-1309.	2.5	9
147	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
148	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
149	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
150	All-Optical Label/Payload Separation at 40 Gb/s. IEEE Photonics Technology Letters, 2006, 18, 2023-2025.	2.5	9
151	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
152	Packet-level synchronization scheme for optical packet switched network nodes. Optics Express, 2006, 14, 12665.	3.4	5
153	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
154	40-Gb/s All-Optical Processing Systems Using Hybrid Photonic Integration Technology. Journal of Lightwave Technology, 2006, 24, 4903-4911.	4.6	36
155	40 Gbit/s NRZ Packet-Length Insensitive Header Extraction for Optical Label Switching Networks. , 2006, , .		1
156	An alternative implementation perspective for the scheduling switch architecture. Journal of Lightwave Technology, 2005, 23, 732-739.	4.6	0
157	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
158	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
159	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
160	Compact all-optical packet clock and data recovery circuit using generic integrated MZI switches. Optics Express, 2005, 13, 6401.	3.4	13
161	SOA-Based Multi-Wavelength Laser Sources. Fiber and Integrated Optics, 2004, 23, 263-274.	2.5	10
162	Ultrafast Semiconductor-Based Fiber Laser Sources. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 147-154.	2.9	46

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163	Experimental and Theoretical Investigation of Nonlinear-Crosstalk in SCM-WDM CATV Systems. Optical and Quantum Electronics, 2004, 36, 413-430.	3.3	2
164	Optical pulse compression in a polarization insensitive non-linear loop mirror. Optics Communications, 2004, 238, 105-111.	2.1	5
165	Optical Power Limiter Using a Saturated SOA-Based Interferometric Switch. IEEE Photonics Technology Letters, 2004, 16, 2350-2352.	2.5	19
166	10-Gb/s All-Optical Half-Adder With Interferometric SOA Gates. IEEE Photonics Technology Letters, 2004, 16, 284-286.	2.5	55
167	Control Signal Generation From Flag Pulses to Drive All-Optical Gates. IEEE Photonics Technology Letters, 2004, 16, 1122-1124.	2.5	1
168	Packet-Format and Network-Traffic Transparent Optical Signal Processing. Journal of Lightwave Technology, 2004, 22, 2548-2556.	4.6	13
169	Recipe for Intensity Modulation Reduction in SOA-Based Interferometric Switches. Journal of Lightwave Technology, 2004, 22, 2834-2841.	4.6	28
170	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
171	Pulse Repetition Frequency Multiplication With Spectral Selection in Fabryâ€“Perot Filters. IEEE Journal of Quantum Electronics, 2004, 40, 157-165.	1.9	23
172	23 Wavelength with 100 GHz spacing comb generator source. Optical and Quantum Electronics, 2003, 35, 865-872.	3.3	2
173	Design Algorithm of All-Optical Linear Feedback Shift Registers. AEU - International Journal of Electronics and Communications, 2003, 57, 328-332.	2.9	16
174	Repetition rate upgrade for optical sources. IEEE Photonics Technology Letters, 2003, 15, 861-863.	2.5	6
175	All-optical clock recovery from short asynchronous data packets at 10 Gb/s. IEEE Photonics Technology Letters, 2003, 15, 1291-1293.	2.5	23
176	Rate multiplication by double-passing fabry-Perot filtering. IEEE Photonics Technology Letters, 2003, 15, 1294-1296.	2.5	45
177	Clock and data recovery circuit for 10-Gb/s asynchronous optical packets. IEEE Photonics Technology Letters, 2003, 15, 1666-1668.	2.5	40
178	Ultrafast time-domain technology and its application in all-optical signal processing. Journal of Lightwave Technology, 2003, 21, 1857-1868.	4.6	48
179	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
180	Repetition frequency quadruplication through Fabry-Perot filtering. Optical Engineering, 2003, 42, 3075.	1.0	1

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182	Multiwavelength and power equalized SOA laser sources. IEEE Photonics Technology Letters, 2002, 14, 693-695.	2.5	74
183	Optically addressable 2 x 2 exchange/bypass packet switch. IEEE Photonics Technology Letters, 2002, 14, 998-1000.	2.5	26
184	Clock recovery circuit for optical packets. IEEE Photonics Technology Letters, 2002, 14, 1363-1365.	2.5	64
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