

# Keren Bergman

## List of Publications by Citations

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169  
papers

4,090  
citations

30  
h-index

59  
g-index

212  
ext. papers

5,085  
ext. citations

3.2  
avg, IF

5.64  
L-index

#	Paper	IF	Citations
169	Photonic Networks-on-Chip for Future Generations of Chip Multiprocessors. <i>IEEE Transactions on Computers</i> , <b>2008</b> , 57, 1246-1260	2.5	625
168	Optical 4x4 hitless silicon router for optical networks-on-chip (NoC). <i>Optics Express</i> , <b>2008</b> , 16, 15915-22	3.3	288
167	Recent advances in optical technologies for data centers: a review. <i>Optica</i> , <b>2018</b> , 5, 1354	8.6	180
166	On the Design of a Photonic Network-on-Chip <b>2007</b> ,		141
165	All-Optical Comb Switch for Multiwavelength Message Routing in Silicon Photonic Networks. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 767-769	2.2	139
164	Photonic switching in high performance datacenters [Invited]. <i>Optics Express</i> , <b>2018</b> , 26, 16022-16043	3.3	120
163	Resolving the thermal challenges for silicon microring resonator devices. <i>Nanophotonics</i> , <b>2014</b> , 3, 269-281	3.3	120
162	Ultrahigh-Bandwidth Silicon Photonic Nanowire Waveguides for On-Chip Networks. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 398-400	2.2	109
161	Scaling silicon photonic switch fabrics for data center interconnection networks. <i>Optics Express</i> , <b>2015</b> , 23, 1159-75	3.3	86
160	Silicon Photonics for Exascale Systems. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 547-562	4	85
159	Wavelength Locking and Thermally Stabilizing Microring Resonators Using Dithering Signals. <i>Journal of Lightwave Technology</i> , <b>2014</b> , 32, 505-512	4	84
158	High-Performance Modulators and Switches for Silicon Photonic Networks-on-Chip. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2010</b> , 16, 6-22	3.8	82
157	The Data Vortex Optical Packet Switched Interconnection Network. <i>Journal of Lightwave Technology</i> , <b>2008</b> , 26, 1777-1789	4	79
156	Physical-Layer Modeling and System-Level Design of Chip-Scale Photonic Interconnection Networks. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , <b>2011</b> , 30, 1507-1520	2.5	76
155	PhoenixSim: A simulator for physical-layer analysis of chip-scale photonic interconnection networks <b>2010</b> ,		75
154	Broadband Operation of Nanophotonic Router for Silicon Photonic Networks-on-Chip. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 926-928	2.2	69
153	High-Speed 2 $\times$ , times ,52 Switch for Multiwavelength Silicon-Photonic Networks On-Chip. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 2900-2907	4	57

152	Design and characterization of a 30-GHz bandwidth low-power silicon traveling-wave modulator. <i>Optics Communications</i> , <b>2014</b> , 321, 124-133	2	55
151	Photonic NoC for DMA Communications in Chip Multiprocessors <b>2007</b> ,		52
150	Design Space Exploration of Microring Resonators in Silicon Photonic Interconnects: Impact of the Ring Curvature. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 2767-2782	4	48
149	Design Exploration of Optical Interconnection Networks for Chip Multiprocessors <b>2008</b> ,		48
148	Comprehensive Design Space Exploration of Silicon Photonic Interconnects. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 2975-2987	4	47
147	High-Speed Silicon Modulator With Slow-Wave Electrodes and Fully Independent Differential Drive. <i>Journal of Lightwave Technology</i> , <b>2014</b> , 32, 2240-2247	4	47
146	Broadband Silicon Photonic Electrooptic Switch for Photonic Interconnection Networks. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 504-506	2.2	46
145	Thermal Rectification of Integrated Microheaters for Microring Resonators in Silicon Photonics Platform. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 773-788	4	43
144	Silicon Photonics for Extreme Scale Systems. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 245-259	4	42
143	Ultralow-crosstalk, strictly non-blocking microring-based optical switch. <i>Photonics Research</i> , <b>2019</b> , 7, 155	6	39
142	Optical interconnects for extreme scale computing systems. <i>Parallel Computing</i> , <b>2017</b> , 64, 65-80	1	37
141	An Experimental Validation of a Wavelength-Striped, Packet Switched, Optical Interconnection Network. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 841-850	4	33
140	Crosstalk Penalty in Microring-Based Silicon Photonic Interconnect Systems. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 4043-4052	4	33
139	The Data Vortex, an All Optical Path Multicomputer Interconnection Network. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2007</b> , 18, 409-420	3.7	30
138	. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 3044-3054	4	29
137	Scalable Microring-Based Silicon Clos Switch Fabric With Switch-and-Select Stages. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2019</b> , 25, 1-11	3.8	28
136	Single Microring-Based $2 \times 2$ Silicon Photonic Crossbar Switches. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 1981-1984	2.2	27
135	Insertion loss analysis in a photonic interconnection network for on-chip and off-chip communications <b>2008</b> ,		27

134	Modular architecture for fully non-blocking silicon photonic switch fabric. <i>Microsystems and Nanoengineering</i> , <b>2017</b> , 3, 16071	7.7	25
133	40-Gb/s DPSK Data Transmission Through a Silicon Microring Switch. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 473-475	2.2	25
132	An Energy-Efficient Optically Connected Memory Module for Hybrid Packet- and Circuit-Switched Optical Networks. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2013</b> , 19, 3700407-3700407	3.8	25
131	A Compact Low-Power 320-Gb/s WDM Transmitter Based on Silicon Microrings. <i>IEEE Photonics Journal</i> , <b>2014</b> , 6, 1-8	1.8	24
130	Characterization of a 4 $\times$ 4 Gb/s Parallel Electronic Bus to WDM Optical Link Silicon Photonic Translator. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 456-458	2.2	22
129	Software-defined control-plane for wavelength selective unicast and multicast of optical data in a silicon photonic platform. <i>Optics Express</i> , <b>2017</b> , 25, 232-242	3.3	21
128	Circuit-Switched Memory Access in Photonic Interconnection Networks for High-Performance Embedded Computing <b>2010</b> ,		21
127	Software-defined optical network for metro-scale geographically distributed data centers. <i>Optics Express</i> , <b>2016</b> , 24, 12310-20	3.3	20
126	Continuous Wavelength Conversion of 40-Gb/s Data Over 100 nm Using a Dispersion-Engineered Silicon Waveguide. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 73-75	2.2	20
125	Intermodulation Crosstalk Characteristics of WDM Silicon Microring Modulators. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 1478-1481	2.2	19
124	High-Efficiency Biwavelength Polarization Splitter-Rotator on the SOI Platform. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 518-521	2.2	19
123	Nanophotonic Optical Interconnection Network Architecture for On-Chip and Off-Chip Communications <b>2008</b> ,		19
122	A Modular, Scalable, Extensible, and Transparent Optical Packet Buffer. <i>Journal of Lightwave Technology</i> , <b>2007</b> , 25, 978-985	4	18
121	DOE Advanced Scientific Computing Advisory Subcommittee (ASCAC) Report: Top Ten Exascale Research Challenges		18
120	tSDX: Enabling Impairment-Aware All-Optical Inter-Domain Exchange. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 142-154	4	17
119	Energy-performance optimized design of silicon photonic interconnection networks for high-performance computing <b>2017</b> ,		16
118	Silicon Photonics Codesign for Deep Learning. <i>Proceedings of the IEEE</i> , <b>2020</b> , 108, 1261-1282	14.3	16
117	Silicon Photonic 2.5D Multi-Chip Module Transceiver for High-Performance Data Centers. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 3346-3357	4	16

116	First Demonstration of a 10-Gb/s RZ End-to-End Four-Wave-Mixing Based Link at 1884 nm Using Silicon Nanowaveguides. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 276-278	2.2	16
115	4,times,44 Gb/s Packet-Level Switching in a Second-Order Microring Switch. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1555-1557	2.2	16
114	Polarization-Dependent Gain in SOA-Based Optical Multistage Interconnection Networks. <i>Journal of Lightwave Technology</i> , <b>2006</b> , 24, 3959-3967	4	15
113	Optimization of microring-based filters for dense WDM silicon photonic interconnects <b>2015</b> ,		14
112	Programmable Dynamically-Controlled Silicon Photonic Switch Fabric. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 2952-2958	4	14
111	Demonstration of All-Optical Multi-Wavelength Message Routing for Silicon Photonic Networks <b>2008</b> ,		14
110	Colorless Optical Network Unit Based on Silicon Photonic Components for WDM PON. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1372-1374	2.2	13
109	A Silicon Photonic Switching Platform for Flexible Converged Centralized-Radio Access Networking. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 5386-5392	4	12
108	Real-Time Power Control for Dynamic Optical Networks Algorithms and Experimentation. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2014</b> , 32, 1615-1628	14.2	12
107	Error-Free Operation of an All-Silicon Waveguide Photodiode at 1.9 $\mu\text{m}$ . <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 2031-2034	2.2	12
106	Ultra-compact 320 Gb/s and 160 Gb/s WDM transmitters based on silicon microrings <b>2014</b> ,		12
105	VANDAL: A tool for the design specification of nanophotonic networks <b>2011</b> ,		12
104	Multi-Stage 8 B Silicon Photonic Switch Based on Dual-Microring Switching Elements. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 194-201	4	12
103	A 10-Gb/s Silicon Microring Resonator-Based BPSK Link. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 1805-1808	2.2	11
102	Experimental characterization of the optical-power upper bound in a silicon microring modulator <b>2012</b> ,		11
101	Bandwidth steering in HPC using silicon nanophotonics <b>2019</b> ,		11
100	Quality of Transmission Prediction with Machine Learning for Dynamic Operation of Optical WDM Networks <b>2017</b> ,		10
99	Fast Wavelength Locking of a Microring Resonator. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 2365-2368		10

98	Energy-bandwidth design exploration of silicon photonic interconnects in 65nm CMOS <b>2016</b> ,		10
97	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2020</b> , 26, 1-10	3.8	9
96	Characterization of Nonlinear Optical Crosstalk in Silicon Nanowaveguides. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 185-187	2.2	9
95	Optically interconnected high performance data centers <b>2010</b> ,		9
94	DPSK Transmission Through Silicon Microring Switch for Photonic Interconnection Networks. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 1103-1105	2.2	9
93	Energy Efficiency Analysis of Comb Source Carrier-Injection Ring-Based Silicon Photonic Link. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2020</b> , 26, 1-13	3.8	9
92	Broadband CMOS-Compatible Silicon Photonic Electro-Optic Switch for Photonic Networks-on-Chip <b>2010</b> ,		8
91	Optimization of a Switching Node for Optical Multistage Interconnection Networks. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 1658-1660	2.2	8
90	Silicon Microring Resonator-Based Broadband Comb Switch for Wavelength-Parallel Message Routing. <i>Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS</i> , <b>2007</b> ,		8
89	Tapless and topology agnostic calibration solution for silicon photonic switches. <i>Optics Express</i> , <b>2018</b> , 26, 32662-32674	3.3	8
88	Design Methodology for Optimizing Optical Interconnection Networks in High Performance Systems. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 454-471	0.9	8
87	Performance Requirements for Terabit-Class Silicon Photonic Links Based on Cascaded Microring Resonators. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 3469-3477	4	8
86	WDM Source Based on High-Power, Efficient 1280-nm DFB Lasers for Terabit Interconnect Technologies. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 1929-1932	2.2	8
85	Flexible Architecture and Autonomous Control Plane for Metro-Scale Geographically Distributed Data Centers. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 1188-1196	4	7
84	Highly-scalable, low-crosstalk architecture for ring-based optical space switch fabrics <b>2017</b> ,		7
83	Optically interconnected data center architecture for bandwidth intensive energy efficient networking <b>2012</b> ,		7
82	Photonic NoC for DMA Communications in Chip Multiprocessors		7
81	High-Speed BPSK Modulation in Silicon. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 1329-1332	2.2	6

80	PhoenixSim <b>2016</b> ,		6
79	Photonic Networks for Intra-Chip, Inter-Chip, and Box Interconnects in High-Performance Computing <b>2006</b> ,		6
78	PINE: Photonic Integrated Networked Energy efficient datacenters (ENLITENED Program) [Invited]. <i>Journal of Optical Communications and Networking</i> , <b>2020</b> , 12, 443	4.1	6
77	Impact of photonic switch radix on realizing optical interconnection networks for exascale systems <b>2014</b> ,		5
76	Automated Thermal Stabilization of Cascaded Silicon Photonic Ring Resonators for Reconfigurable WDM Applications <b>2017</b> ,		5
75	Demonstration of Asynchronous Operation of a Multiwavelength Optical Packet-Switched Fabric. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 1223-1225	2.2	5
74	Dual-Microring Resonator Based 8B Silicon Photonic Switch <b>2019</b> ,		5
73	Push-pull microring-assisted space-and-wavelength selective switch. <i>Optics Letters</i> , <b>2020</b> , 45, 2696-2699	3	5
72	Ultra-Broadband Interleaver for Extreme Wavelength Scaling in Silicon Photonic Links. <i>IEEE Photonics Technology Letters</i> , <b>2021</b> , 33, 55-58	2.2	5
71	A software-defined optical gateway for converged inter/intra data center networks <b>2015</b> ,		4
70	End-to-End Modeling and Optimization of Power Consumption in HPC Interconnects <b>2016</b> ,		4
69	Ultra-low latency optical switching for short message sizes in cluster scale systems <b>2013</b> ,		4
68	Silicon photonic interconnection networks for data centers <b>2013</b> ,		4
67	Smart Routing Tables for Integrated Photonic Switch Fabrics <b>2017</b> ,		4
66	Intermodulation crosstalk from silicon microring modulators in wavelength-parallel photonic networks-on-chip <b>2010</b> ,		4
65	Cross-layer signal monitoring in an optical packet-switching test-bed via real-time burst sampling <b>2010</b> ,		4
64	On-chip optical interconnection network performance evaluation using power penalty metrics from silicon photonic modulators <b>2010</b> ,		4
63	Demonstration of Failure Reconfiguration via Cross-Layer Enabled Optical Switching Fabrics. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 1679-1681	2.2	4

62	Thermally active 4 $\times$ non-blocking switch for networks-on-chip <b>2008,</b>		4
61	Experimental Demonstration of a Complete SPINet Optical Packet Switched Interconnection Network <b>2007,</b>		4
60	Optically Connected Memory for Disaggregated Data Centers <b>2020,</b>		4
59	Si/SiN Microring-Based Optical Router in Switch-and-Select Topology <b>2018,</b>		4
58	Energy Efficiency Analysis of Frequency Comb Sources for Silicon Photonic Interconnects <b>2019,</b>		3
57	Fast wavelength locking of a microring resonator <b>2014,</b>		3
56	Scalability of silicon photonic microring based switch <b>2014,</b>		3
55	Microring resonance stabilization using thermal dithering <b>2013,</b>		3
54	A Data Rate- and Modulation Format-Independent Packet-Switched Optical Network Test-Bed. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 377-379	2.2	3
53	Experimental demonstration of wavelength-reconfigurable optical packet- and circuit-switched platform for data center networks <b>2012,</b>		3
52	First Demonstration of a Cross-Layer Enabled Network Node. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 1512-1525	4	3
51	Experimental demonstration of 10 gigabit ethernet-based optical interconnection network interface for large-scale computing systems <b>2011,</b>		3
50	Cross-Layer Communication With an Optical Packet Switched Network via a Message Injection Control Interface. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 967-969	2.2	3
49	High-Speed 2 $\times$ switch for multi-wavelength message routing in on-chip silicon photonic networks <b>2008,</b>		3
48	250 Gb/s multi-wavelength operation of microring resonator-based broadband comb switch for silicon photonic networks-on-chip <b>2008,</b>		3
47	A Novel Optical Buffer Architecture for Optical Packet Switching Routers <b>2006,</b>		3
46	Ultra-low power consumption silicon photonic link design analysis in the AIM PDK <b>2019,</b>		3
45	Silicon photonic switch-based optical equalization for mitigating pulsewidth distortion. <i>Optics Express</i> , <b>2019</b> , 27, 19426-19435	3.3	3

44	Design Space Exploration of the Dragonfly Topology. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 57-74	0.9	3
43	FLEETFast Lanes for Expedited Execution at 10 Terabits: Program Overview. <i>IEEE Internet Computing</i> , <b>2021</b> , 25, 79-87	2.4	3
42	Ar+-Implanted Si-Waveguide Photodiodes for Mid-Infrared Detection. <i>Photonics</i> , <b>2016</b> , 3, 46	2.2	3
41	Loss and crosstalk of scalable MZI-based switch topologies in silicon photonic platform <b>2016</b> ,		3
40	256/64-QAM Multicarrier Analog Radio-over-Fiber Modulation using a Linear Differential Drive Silicon Mach-Zehnder Modulator <b>2018</b> ,		3
39	SiP-ML <b>2021</b> ,		3
38	Error-free data transmission through fast broadband all-optical modulation in graphene-silicon optoelectronics. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 221106	3.4	2
37	Photonic Switched Optically Connected Memory: An Approach to Address Memory Challenges in Deep Learning. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 2815-2825	4	2
36	Low-Power Optical Interconnects based on Resonant Silicon Photonic Devices <b>2018</b> ,		2
35	Impact of Backscattering on Microring-Based Silicon Photonic Links <b>2018</b> ,		2
34	Wavelength Locking of Multicast Signals Using Photo-Conductive Effect in Silicon Photonic Platform <b>2018</b> ,		2
33	Behavioral Model of Silicon Photonics Microring with Unequal Ring and Bus Widths <b>2019</b> ,		2
32	Real-time power control for dynamic optical networks - Algorithms and experimentation <b>2013</b> ,		2
31	Experimental demonstration of one-to-many virtual machine migration by reliable optical multicast <b>2015</b> ,		2
30	Experimental demonstration of converged inter/intra data center network architecture <b>2015</b> ,		2
29	Javanco: A software framework for optical network modelling and optimization <b>2013</b> ,		2
28	Cross-layer communications for high-bandwidth optical networks <b>2010</b> ,		2
27	Demonstration of 1.28-Tb/s transmission in next-generation nanowires for photonic networks-on-chip <b>2010</b> ,		2

26	10-Gb/s Access Network Architecture Based on Micro-Ring Modulators With Colorless ONU and Mitigated Rayleigh Backscattering. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 914-916	2.2	2
25	Signal Degradation through a 12 × 12 Optical Packet Switching Network <b>2006</b> ,		2
24	Bistable Switching Node for Optical Packet Switched Networks <b>2006</b> ,		2
23	Experimental Demonstration of Network Congestion Control with a Programmable Optical Packet Injection Buffer. <i>Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS</i> , <b>2007</b> ,		2
22	Ultra-Broadband Silicon Photonic Interleaver for Massive Channel Count Frequency Combs <b>2020</b> ,		2
21	Experimental Demonstration of PAM-4 Transmission through Microring Silicon Photonic Clos Switch Fabric <b>2020</b> ,		2
20	FPGA Implementation of Deep Neural Network Based Equalizers for High-Speed PON <b>2020</b> ,		2
19	240 Gb/s mode and wavelength division multiplexed data transmission in Si photonics <b>2016</b> ,		1
18	Microring-Based Si/SiN Dual-Layer Switch Fabric <b>2018</b> ,		1
17	Reducing energy per delivered bit in silicon photonic interconnection networks <b>2014</b> ,		1
16	Modeling and simulation environment for photonic interconnection networks in high performance computing <b>2013</b> ,		1
15	Introduction to the Issue on Optical Interconnects for Data Centers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2013</b> , 19, 0200302-0200302	3.8	1
14	Demonstration of 800-Gb/s wavelength-striped packet switching in a multi-terabit capacity optical network test-bed <b>2010</b> ,		1
13	Implementing an Optical QoS Encoding Scheme in an Optical Packet Switching Fabric Test-Bed. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 1518-1520	2.2	1
12	Chip scale photonic interconnects for energy-performance optimized computing <b>2010</b> ,		1
11	Nanophotonic interconnection networks in multicore embedded computing <b>2009</b> ,		1
10	Intelligent highly-functional cross-layer optimized interfaces for future access/aggregation networks <b>2011</b> ,		1
9	Priority encoding scheme for contention resolution in optical packet-switched networks <b>2008</b> ,		1

8	Interface Optical Buffer and Packet-Switched Network Cross-Layer Signaling Demonstration <b>2008</b> ,		1
7	An All-Optical PCI-Express Network Interface for Optical Packet Switched Networks <b>2007</b> ,		1
6	Demonstrated 40 Gbps Silicon Photonic Integrated Parallel Electronic to WDM Interface <b>2007</b> ,		1
5	Empirical Method for Determining SOA Gain Based on ASE Characterization. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 2224-2226	2.2	1
4	Optical interconnection networks for high-performance systems <b>2020</b> , 785-825		1
3	Optically connected memory for disaggregated data centers. <i>Journal of Parallel and Distributed Computing</i> , <b>2022</b> , 163, 300-300	4.4	○
2	Evolving Requirements and Trends of HPC. <i>Springer Handbooks</i> , <b>2020</b> , 725-755	1.3	○
1	Fixed-Point Analysis and FPGA Implementation of Deep Neural Network Based Equalizers for High-Speed PON. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 1-1	4	○