

Assaf Shacham

List of Publications by Year in descending order

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16
papers

1,398
citations

1162367

8
h-index

1473754

9
g-index

17
all docs

17
docs citations

17
times ranked

914
citing authors

#	ARTICLE	IF	CITATIONS
1	Photonic Networks-on-Chip for Future Generations of Chip Multiprocessors. IEEE Transactions on Computers, 2008, 57, 1246-1260.	2.4	812
2	On the Design of a Photonic Network-on-Chip. , 2007, , .		214
3	The Data Vortex Optical Packet Switched Interconnection Network. Journal of Lightwave Technology, 2008, 26, 1777-1789.	2.7	102
4	Photonic NoC for DMA Communications in Chip Multiprocessors. , 2007, , .		71
5	The case for low-power photonic networks on chip. Proceedings - Design Automation Conference, 2007, , .	0.0	58
6	Building Ultralow-Latency Interconnection Networks Using Photonic Integration. IEEE Micro, 2007, 27, 6-20.	1.8	53
7	A Modular, Scalable, Extensible, and Transparent Optical Packet Buffer. Journal of Lightwave Technology, 2007, 25, 978-985.	2.7	26
8	Optimizing the performance of a data vortex interconnection network. Journal of Optical Networking, 2007, 6, 369.	2.5	15
9	On contention resolution in the data vortex optical interconnection network. Journal of Optical Networking, 2007, 6, 777.	2.5	13
10	Emulation of realistic network traffic patterns on an eight-node data vortex interconnection network subsystem. Journal of Optical Networking, 2004, 3, 802.	2.5	10
11	Photonic NoC for DMA Communications in Chip Multiprocessors. , 2007, , .		7
12	Experimental Demonstration of a Complete SPINet Optical Packet Switched Interconnection Network. , 2007, , .		6
13	A Novel Optical Buffer Architecture for Optical Packet Switching Routers. , 2006, , .		4
14	An Enhanced Buffered Switching Node for a Data Vortex Interconnection Network. , 2006, , .		2
15	Experimental Demonstration of Network Congestion Control with a Programmable Optical Packet Injection Buffer. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	2
16	An FDL-Based Photonic Switching Node for a Data Vortex Optical Packet Switched Interconnection Network. , 2006, , .		1