

Mei Yang

List of Publications by Year in descending order

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57
papers

552
citations

1039880

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g-index

57
all docs

57
docs citations

57
times ranked

459
citing authors

#	ARTICLE	IF	CITATIONS
1	A Generic Optical Router Design for Photonic Network-on-Chips. Journal of Lightwave Technology, 2012, 30, 368-376.	2.7	76
2	Performance Analysis of Error Control Codes for Wireless Sensor Networks. , 2007, , .		67
3	A Hybrid Optoelectronic Networks-on-Chip Architecture. Journal of Lightwave Technology, 2014, 32, 991-998.	2.7	50
4	Algorithm-Hardware Codesign of Fast Parallel Round-Robin Arbiters. IEEE Transactions on Parallel and Distributed Systems, 2007, 18, 84-95.	4.0	40
5	On a Scalable, Non-Blocking Optical Router for Photonic Networks-on-Chip Designs. , 2011, , .		35
6	Four-Port Silicon Multi-Wavelength Optical Router for Photonic Networks-on-Chip. IEEE Photonics Technology Letters, 2013, 25, 2281-2284.	1.3	25
7	Analysis of Electrooptic Modulator With 1-D Slotted Photonic Crystal Nanobeam Cavity. IEEE Photonics Technology Letters, 2011, 23, 992-994.	1.3	22
8	Energy Efficient Run-Time Incremental Mapping for 3-D Networks-on-Chip. Journal of Computer Science and Technology, 2013, 28, 54-71.	0.9	22
9	Dual-Homing Based Scalable Partial Multicast Protection. IEEE Transactions on Computers, 2006, 55, 1130-1141.	2.4	21
10	Building a multi-FPGA-based emulation framework to support networks-on-chip design and verification. International Journal of Electronics, 2010, 97, 1241-1262.	0.9	20
11	Service Composition in Service-Oriented Wireless Sensor Networks with Persistent Queries. , 2009, , .		13
12	Fault-Tolerant Routing Schemes in RDT(2,2,1)/a-Based Interconnection Network for Networks-on-Chip Designs. , 0, , .		12
13	Power-Aware Mapping for Network-on-Chip Architectures under Bandwidth and Latency Constraints. , 2009, , .		12
14	Hierarchical scheduling for DiffServ classes. , 0, , .		10
15	Detection of and Countermeasure Against Thermal Covert Channel in Many-Core Systems. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 252-265.	1.9	10
16	Dual-homing multicast protection. , 0, , .		8
17	A RDT-based interconnection network for scalable network-on-chip designs. , 2005, , .		8
18	On finding the best partial multicast protection tree under dual-homing architecture. , 0, , .		7

#	ARTICLE	IF	CITATIONS
19	Circuit-switched on-chip photonic interconnection network. , 2012, , .		7
20	Prediction of industrial wastewater quality parameters based on wavelet de-noised ANFIS model. , 2018, , .		7
21	Multi-path Routing for Mesh/Torus-Based NoCs. , 2007, , .		6
22	Silicon photonic network-on-chip and enabling components. Science China Technological Sciences, 2013, 56, 543-553.	2.0	6
23	HRC: A 3D NoC Architecture with Genuine Support for Runtime Thermal-Aware Task Management. IEEE Transactions on Computers, 2017, 66, 1676-1688.	2.4	6
24	Topology and Binary Routing Schemes of A PRDT-Based NoC. , 2007, , .		5
25	On-chip wavelength-routed photonic networks with comb switches. , 2012, , .		5
26	Performance Optimization of Many-Core Systems by Exploiting Task Migration and Dark Core Allocation. IEEE Transactions on Computers, 2022, 71, 92-106.	2.4	5
27	An Efficient Technique for In-order Packet Delivery with Adaptive Routing Algorithms in Networks on Chip. , 2010, , .		4
28	Dynamic Allocation/Reallocation of Dark Cores in Many-Core Systems for Improved System Performance. IEEE Access, 2020, 8, 165693-165707.	2.6	4
29	EECCP: an energy-efficient coverage- and connectivity preserving algorithm under border effects in wireless sensor networks. Wireless Telecommunications Symposium, 2009 WTS 2009, 2008, , .	0.0	3
30	Traffic regulation with single- and dual-homed ISPs under a percentile-based pricing policy. Journal of Combinatorial Optimization, 2009, 17, 247-273.	0.8	3
31	Efficient multicasting scheme for irregular mesh-based NoCs. , 2010, , .		3
32	On circuit design of on-chip non-blocking interconnection networks. , 2014, , .		3
33	Multi-Object Portion Tracking in 4D Fluorescence Microscopy Imagery With Deep Feature Maps. , 2019, 2019, 1087-1096.		3
34	An Efficient Defense against Distributed Denial-of-Service Attacks using Congestion Path Marking. , 2006, , .		2
35	Design and Implementation of a Parameterized NoC Router and its Application to Build PRDT-Based NoCs. , 2008, , .		2
36	Minimum Overlapping Layers and Its Variant for Prolonging Network Lifetime in PMRC-Based Wireless Sensor Networks. , 2009, , .		2

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37	HTSMA: A Hybrid Temporal-Spatial Multi-Channel Assignment Scheme in Heterogeneous Wireless Mesh Networks. , 2009, , .		2
38	FNMGSDP: An Optimized Group-Based Service Discovery Protocol for MANETs. Wireless Personal Communications, 2011, 57, 137-162.	1.8	2
39	Network Coding Based Schemes for Imperfect Wireless Packet Retransmission Problems: A Divide and Conquer Approach. Wireless Personal Communications, 2012, 62, 937-958.	1.8	2
40	Automated Quantification of White Blood Cells in Light Microscopy Muscle Images. , 2018, , .		2
41	DeepQuantify: deep learning and quantification system of white blood cells in light microscopy images of injured skeletal muscles. Journal of Medical Imaging, 2019, 6, 1.	0.8	2
42	Evolution of Publications, Subjects, and Co-Authorships in Network-on-Chip Research From a Complex Network Perspective. IEEE Access, 2021, 9, 149399-149422.	2.6	2
43	A class of self-routing strictly nonblocking photonic switching networks. , 0, , .		1
44	Mobile Node Deployment in Hybrid Sensor Networks. , 2007, , .		1
45	Overlapped Layers for Prolonging Network Lifetime in Multi-Hop Wireless Sensor Networks. , 2008, , .		1
46	Automated quantification of white blood cells in light microscopic images of injured skeletal muscle. , 2018, , .		1
47	Effect of Hardware Trojan Attacks on the Performance of On-Chip Multicast Routing Algorithms. , 2019, , .		1
48	Detection of Thermal Covert Channel Attacks Based on Classification of Components of the Thermal Signal Features. IEEE Transactions on Computers, 2023, 72, 971-983.	2.4	1
49	K-Selector-Based Dispatching Algorithm for Clos-Network Switches. , 2006, , .		0
50	Analysis of FPGA Logic Block Architectures and Functional Improvement of Fine Grained Cells. , 2006, , .		0
51	TCP-CDR: An End-to-End Scheme for TCP Over Mobile Ad hoc Networks. , 2006, , .		0
52	Multi-channel assignment for heterogeneous wireless mesh networks. , 2010, , .		0
53	Resolving deadlocks for pipelined stream applications on network-on-chips. , 2010, , .		0
54	Non-blocking wavelength-routed 4×4 silicon optical router for on-chip photonics networks. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
55	Bandwidth and wavelength tunable optical filter based on silicon multiple microring resonators. , 2015, , .		0
56	Self Error Detection and Correction for Noisy Labels Based on Error Correcting Output Code in Convolutional Neural Networks. , 2019, , .		0
57	Progressive Image Transmission for Medical Applications based on Wavelet Transform with a Non-uniform Scalar Quantization Scheme. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0