

Mei Yang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

846
citations

15
h-index

28
g-index

43
ext. papers

1,035
ext. citations

3.2
avg, IF

3.67
L-index

#	Paper	IF	Citations
42	Updated emission inventories for speciated atmospheric mercury from anthropogenic sources in China. <i>Environmental Science & Technology</i> , 2015 , 49, 3185-94	10.3	285
41	Mercury transformation and speciation in flue gases from anthropogenic emission sources: a critical review. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2417-2433	6.8	84
40	A Generic Optical Router Design for Photonic Network-on-Chips. <i>Journal of Lightwave Technology</i> , 2012 , 30, 368-376	4	60
39	Tunable Fano resonances based on two-beam interference in microring resonator. <i>Applied Physics Letters</i> , 2013 , 102, 011112	3.4	45
38	Wavelength-selective 4 × 4 nonblocking silicon optical router for networks-on-chip. <i>Optics Letters</i> , 2011 , 36, 4710-2	3	44
37	A Hybrid Optoelectronic Networks-on-Chip Architecture. <i>Journal of Lightwave Technology</i> , 2014 , 32, 991-998	4	25
36	Four-Port Silicon Multi-Wavelength Optical Router for Photonic Networks-on-Chip. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 2281-2284	2.2	25
35	Mercury flows in large-scale gold production and implications for Hg pollution control. <i>Journal of Environmental Sciences</i> , 2018 , 68, 91-99	6.4	21
34	A power-aware mapping approach to map IP cores onto NoCs under bandwidth and latency constraints. <i>Transactions on Architecture and Code Optimization</i> , 2010 , 7, 1-30	1.3	21
33	On a Scalable, Non-Blocking Optical Router for Photonic Networks-on-Chip Designs 2011 ,		20
32	Energy Efficient Run-Time Incremental Mapping for 3-D Networks-on-Chip. <i>Journal of Computer Science and Technology</i> , 2013 , 28, 54-71	1.7	18
31	Architectures and routing schemes for optical network-on-chips. <i>Computers and Electrical Engineering</i> , 2009 , 35, 856-877	4.3	18
30	Dual-Homing Based Scalable Partial Multicast Protection. <i>IEEE Transactions on Computers</i> , 2006 , 55, 1130-1141	2.1	17
29	On self-tuning networks-on-chip for dynamic network-flow dominance adaptation 2013 ,		16
28	On an efficient NoC multicasting scheme in support of multiple applications running on irregular sub-networks. <i>Microprocessors and Microsystems</i> , 2011 , 35, 119-129	2.4	16
27	Effectiveness of HT-assisted sinkhole and blackhole denial of service attacks targeting mesh networks-on-chip. <i>Journal of Systems Architecture</i> , 2018 , 89, 84-94	5.5	15
26	On self-tuning networks-on-chip for dynamic network-flow dominance adaptation. <i>Transactions on Embedded Computing Systems</i> , 2014 , 13, 1-21	1.8	14

25	Building a multi-FPGA-based emulation framework to support networks-on-chip design and verification. <i>International Journal of Electronics</i> , 2010 , 97, 1241-1262	1.2	12
24	Low latency and energy efficient multicasting schemes for 3D NoC-based SoCs 2011 ,		9
23	. <i>IEEE Transactions on Computers</i> , 2016 , 65, 2780-2793	2.5	8
22	Mercury emission and speciation from industrial gold production using roasting process. <i>Journal of Geochemical Exploration</i> , 2016 , 170, 72-77	3.8	7
21	Silicon photonic network-on-chip and enabling components. <i>Science China Technological Sciences</i> , 2013 , 56, 543-553	3.5	6
20	On Reducing Insertion Loss in Wavelength-Routed Optical Network-on-Chip Architecture. <i>Journal of Optical Communications and Networking</i> , 2014 , 6, 879	4.1	6
19	. <i>IEEE/ACM Transactions on Networking</i> , 2010 , 18, 1436-1449	3.8	6
18	Circuit-switched on-chip photonic interconnection network 2012 ,		5
17	On hardware-trojan-assisted power budgeting system attack targeting many core systems. <i>Journal of Systems Architecture</i> , 2020 , 109, 101757	5.5	4
16	On a joint temporal-spatial multi-channel assignment and routing scheme in resource-constrained wireless mesh networks. <i>Ad Hoc Networks</i> , 2012 , 10, 401-420	4.8	4
15	On-chip wavelength-routed photonic networks with comb switches 2012 ,		4
14	Combating Enhanced Thermal Covert Channel in Multi-/Many-Core Systems With Channel-Aware Jamming. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2020 , 39, 3276-3287	2.5	4
13	Efficient multicasting scheme for irregular mesh-based NoCs 2010 ,		3
12	Power-Aware Run-Time Incremental Mapping for 3-D Networks-on-Chip. <i>Lecture Notes in Computer Science</i> , 2011 , 232-247	0.9	3
11	On Countermeasures Against the Thermal Covert Channel Attacks Targeting Many-core Systems 2020 ,		3
10	A pareto-optimal runtime power budgeting scheme for many-core systems. <i>Microprocessors and Microsystems</i> , 2016 , 46, 136-148	2.4	3
9	An efficient runtime power allocation scheme for many-core systems inspired from auction theory. <i>The Integration VLSI Journal</i> , 2015 , 50, 147-157	1.4	2
8	Efficient multicast schemes for 3-D Networks-on-Chip. <i>Journal of Systems Architecture</i> , 2013 , 59, 693-708	3.5	2

7	Wavelength-routed optical networks-on-chip built with comb switches 2013 ,		2
6	Network interface design based on mutual interface definition. <i>International Journal of High Performance Systems Architecture</i> , 2010 , 2, 168	0.9	2
5	On finding the best partial multicast protection tree under dual-homing architecture		2
4	A RDT-based interconnection network for scalable network-on-chip designs 2005 ,		2
3	Dynamic Allocation/Reallocation of Dark Cores in Many-Core Systems for Improved System Performance. <i>IEEE Access</i> , 2020 , 8, 165693-165707	3.5	2
2	HTSMA: A Hybrid Temporal-Spatial Multi-Channel Assignment Scheme in Heterogeneous Wireless Mesh Networks 2009 ,		1
1	Scalable-Grain Pipeline Parallelization Method for Multi-core Systems. <i>Lecture Notes in Computer Science</i> , 2013 , 269-283	0.9	