

Chuang Lin

List of Publications by Year in descending order

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36
papers

1,481
citations

567281

15
h-index

610901

24
g-index

36
all docs

36
docs citations

36
times ranked

1457
citing authors

#	ARTICLE	IF	CITATIONS
1	Operator controlled device-to-device communications in LTE-advanced networks. IEEE Wireless Communications, 2012, 19, 96-104.	9.0	562
2	EBRP: Energy-Balanced Routing Protocol for Data Gathering in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 2108-2125.	5.6	183
3	Traffic-Aware Dynamic Routing to Alleviate Congestion in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1585-1599.	5.6	110
4	Queuing models with applications to mode selection in device-to-device communications underlying cellular networks. IEEE Transactions on Wireless Communications, 2014, 13, 6697-6715.	9.2	98
5	Self-healing group key distribution with time-limited node revocation for wireless sensor networks. Ad Hoc Networks, 2007, 5, 14-23.	5.5	60
6	Performance Analysis of Device-to-Device Communications with Dynamic Interference Using Stochastic Petri Nets. IEEE Transactions on Wireless Communications, 2013, 12, 6121-6141.	9.2	60
7	A Stochastic Power Network Calculus for Integrating Renewable Energy Sources into the Power Grid. IEEE Journal on Selected Areas in Communications, 2012, 30, 1037-1048.	14.0	55
8	A robust active queue management algorithm in large delay networks. Computer Communications, 2005, 28, 485-493.	5.1	37
9	Performance analysis of wireless opportunistic schedulers using stochastic Petri nets. IEEE Transactions on Wireless Communications, 2009, 8, 2076-2087.	9.2	37
10	Energy-Efficient Link Selection and Transmission Scheduling in Mobile Cloud Computing. IEEE Wireless Communications Letters, 2014, 3, 153-156.	5.0	37
11	Modeling and performance analysis of QoS-aware load balancing of Web-server clusters. Computer Networks, 2002, 40, 235-256.	5.1	35
12	Stochastic game net and applications in security analysis for enterprise network. International Journal of Information Security, 2012, 11, 41-52.	3.4	32
13	Toward Optimal Admission Control and Resource Allocation for LTE-A Femtocell Uplink. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	28
14	Modeling and security analysis of enterprise network using attack-defense stochastic game Petri nets. Security and Communication Networks, 2013, 6, 89-99.	1.5	25
15	Security Analysis of Enterprise Network Based on Stochastic Game Nets Model. , 2009, , .		21
16	Real-time routing in wireless sensor networks. ACM Transactions on Sensor Networks, 2013, 9, 1-24.	3.6	17
17	Frequency Domain Packet Scheduling with Stability Analysis for 3GPP LTE Uplink. IEEE Transactions on Mobile Computing, 2013, 12, 2412-2426.	5.8	15
18	Security Analysis for Online Banking System Using Hierarchical Stochastic Game Nets Model. , 2009, , .		14

#	ARTICLE	IF	CITATIONS
19	EcoPlan: energy-efficient downlink and uplink data transmission in mobile cloud computing. <i>Wireless Networks</i> , 2015, 21, 453-466.	3.0	11
20	How stochastic network calculus concepts help green the power grid. , 2011, , .		9
21	Wireless channel model using stochastic high-level Petri nets for cross-layer performance analysis in orthogonal frequency-division multiplexing system. <i>IET Communications</i> , 2014, 8, 2871-2880.	2.2	7
22	A dynamic programming approximation for downlink channel allocation in cognitive femtocell networks. <i>Computer Networks</i> , 2013, 57, 2976-2991.	5.1	6
23	A scalable and robust key pre-distribution scheme with network coding for sensor data storage. <i>Computer Networks</i> , 2011, 55, 2534-2544.	5.1	5
24	Performance analysis of device-to-device communications with frequency reuse using Stochastic Petri Nets. , 2013, , .		4
25	Performance Analysis of Data Management in Sensor Data Storage via Stochastic Petri Nets. , 2010, , .		3
26	Distributed KDC-Based Random Pairwise Key Establishment in Wireless Sensor Networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2010, 2010, .	2.4	2
27	Joint study on optimizations of data center deployment, VM assignment and migration. , 2013, , .		2
28	Relocation routing for energy balancing in mobile sensor networks. <i>Wireless Communications and Mobile Computing</i> , 2015, 15, 1418-1432.	1.2	2
29	Analyzing the Reliability of Group Transmission in Wireless Sensor Network. , 2008, , .		1
30	H-PFSP: Efficient Hybrid Parallel PFSP Protected Scheduling for MapReduce System. , 2013, , .		1
31	Privacy Petri Net and Privacy Leak Software. <i>Journal of Computer Science and Technology</i> , 2015, 30, 1318-1343.	1.5	1
32	Packet Level Wireless Channel Model for OFDM System Using SHLPNs. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2015, , 79-97.	0.5	1
33	Efficient Re-Keying Scheme for Group Key Distribution. , 2008, , .		0
34	On applying stochastic network calculus. <i>Frontiers of Computer Science</i> , 2013, 7, 924-942.	2.4	0
35	PipeFlow Engine: Pipeline Scheduling with Distributed Workflow Made Simple. , 2013, , .		0
36	FTLLS: A fault tolerant, low latency, distributed scheduling approach based on sparrow. <i>Peer-to-Peer Networking and Applications</i> , 2018, 11, 1129-1140.	3.9	0