

Duan-Shin Lee

List of Publications by Year in descending order

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280
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Stability Regions of Coded Poisson Receivers With Multiple Classes of Users and Receivers. IEEE/ACM Transactions on Networking, 2023, 31, 234-247.	2.6	1
2	ALOHA Receivers: A Network Calculus Approach for Analyzing Coded Multiple Access With SIC. IEEE/ACM Transactions on Networking, 2022, 30, 840-854.	2.6	3
3	Poisson Receivers: A Probabilistic Framework for Analyzing Coded Random Access. IEEE/ACM Transactions on Networking, 2021, 29, 862-875.	2.6	10
4	Epidemic Spreading in a Social Network With Facial Masks Wearing Individuals. IEEE Transactions on Computational Social Systems, 2021, 8, 1393-1406.	3.2	3
5	Percolation Threshold for Competitive Influence in Random Networks. IEEE Transactions on Computational Social Systems, 2020, 7, 991-1003.	3.2	1
6	Asynchronous Grant-Free Uplink Transmissions in Multichannel Wireless Networks With Heterogeneous QoS Guarantees. IEEE/ACM Transactions on Networking, 2019, 27, 1584-1597.	2.6	18
7	Centrality Analysis in d -Regular Directed Acyclic Random Networks and Its Applications in Top- k Recommendations. IEEE Transactions on Computational Social Systems, 2019, 6, 968-980.	3.2	3
8	A Reinforcement Learning Approach for the Multichannel Rendezvous Problem. , 2019, , .		8
9	A generalized configuration model with degree correlations and its percolation analysis. Applied Network Science, 2019, 4, .	0.8	4
10	Exponentially Twisted Sampling for Centrality Analysis and Community Detection in Attributed Networks. IEEE Transactions on Network Science and Engineering, 2019, 6, 684-697.	4.1	7
11	Greenput: A Power-Saving Algorithm That Achieves Maximum Throughput in Wireless Networks. IEEE/ACM Transactions on Networking, 2018, 26, 906-919.	2.6	1
12	A Probabilistic Framework for Structural Analysis and Community Detection in Directed Networks. IEEE/ACM Transactions on Networking, 2018, 26, 31-46.	2.6	15
13	Exponentially Twisted Sampling for Centrality Analysis in Attributed Networks. , 2018, , .		0
14	Greedy Constructions of Optical Queues With a Limited Number of Recirculations. IEEE Transactions on Information Theory, 2017, 63, 5314-5326.	1.5	3
15	Community detection in signed networks: An error-correcting code approach. , 2017, , .		2
16	K-sets ⁺ : A linear-time clustering algorithm for data points with a sparse similarity measure. , 2017, , .		3
17	A probabilistic framework for structural analysis in directed networks. , 2016, , .		2
18	Consensus and Polarization of Binary Opinions in Structurally Balanced Networks. IEEE Transactions on Computational Social Systems, 2016, 3, 141-150.	3.2	13

#	ARTICLE	IF	CITATIONS
19	Analyses of the Clustering Coefficient and the Pearson Degree Correlation Coefficient of Chung's Duplication Model. IEEE Transactions on Network Science and Engineering, 2016, 3, 117-131.	4.1	8
20	Relative centrality and local community detection. Network Science, 2015, 3, 445-479.	0.8	16
21	Bit-Stuffing Algorithms for Crosstalk Avoidance in High-Speed Switching. IEEE Transactions on Computers, 2015, 64, 3404-3416.	2.4	8
22	A proximity measure for link prediction in social user-item networks. , 2014, , .		0
23	Analysis of clustering coefficients of online social networks by duplication models. , 2014, , .		4
24	Constructions of Memoryless Crosstalk Avoidance Codes Via $\langle \text{cal C} \rangle$ -Transform. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2014, 22, 2030-2033.	2.1	9
25	Load-balanced Birkhoff-von Neumann switches and fat-tree networks. , 2013, , .		3
26	Anchored desynchronization. , 2012, , .		12
27	Quasi-Output-Buffered Switches. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 833-846.	4.0	3
28	Constructions of Optical Priority Queues With Multiple Inputs and Multiple Outputs. IEEE Transactions on Information Theory, 2011, 57, 4274-4301.	1.5	4
29	A general probabilistic framework for detecting community structure in networks. , 2011, , .		13
30	Maximizing throughput in wireless networks with finite internal buffers. , 2011, , .		3
31	Prototype design and implementation of a load-balanced Birkhoff-von Neumann switch. , 2010, , .		0
32	A Bit-Stuffing Algorithm for Crosstalk Avoidance in High Speed Switching. , 2010, , .		7
33	Twister Networks and Their Applications to Load-Balanced Switches. , 2010, , .		4
34	Constructions of Linear Compressors, Nonovertaking Delay Lines, and Flexible Delay Lines for Optical Packet Switching. IEEE/ACM Transactions on Networking, 2009, 17, 2014-2027.	2.6	6
35	CR Switch: A Load-Balanced Switch With Contention and Reservation. IEEE/ACM Transactions on Networking, 2009, 17, 1659-1671.	2.6	26
36	Mailbox switch: a scalable two-stage switch architecture for conflict resolution of ordered packets. IEEE Transactions on Communications, 2008, 56, 136-149.	4.9	34

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37	Distributed Power Minimization for Data Aggregation in Wireless Sensor Networks. , 2008, , .		3
38	Constructions and analysis of crosstalk-free optical queues. , 2008, , .		10
39	A Distributed Subset Selection Algorithm for a Set of Mobile Links with Power Control. IEEE Transactions on Wireless Communications, 2008, 7, 2221-2230.	6.1	3
40	Constructions of Multicast Flexible Delay Lines and Optical Multicast Switches with 100% Throughput. , 2007, , .		7
41	Recursive Constructions of Parallel FIFO and LIFO Queues With Switched Delay Lines. IEEE Transactions on Information Theory, 2007, 53, 1778-1798.	1.5	28
42	Weighted Fair Queueing and Compensation Techniques for Wireless Packet Switched Networks. IEEE Transactions on Vehicular Technology, 2007, 56, 297-311.	3.9	11
43	A simple proof for the constructions of optical priority queues. Queueing Systems, 2007, 56, 73-77.	0.6	31
44	Constructions of optical FIFO queues. IEEE Transactions on Information Theory, 2006, 52, 2838-2843.	1.5	53
45	Using switched delay lines for exact emulation of FIFO multiplexers with variable length bursts. IEEE Journal on Selected Areas in Communications, 2006, 24, 108-117.	9.7	26
46	Design a simple and high performance switch using a two-stage architecture. , 2005, , .		19
47	Recursive Construction of FIFO Optical Multiplexers With Switched Delay Lines. IEEE Transactions on Information Theory, 2004, 50, 3221-3233.	1.5	44
48	Bandwidth-Reservation Scheme Based on Road Information for Next-Generation Cellular Networks. IEEE Transactions on Vehicular Technology, 2004, 53, 243-252.	3.9	43
49	QOS and call admission control of multimedia traffic in a PCS network. International Journal of Communication Systems, 2004, 17, 513-533.	1.6	0
50	TFC selection for MAC scheduling in WCDMA. , 2003, , .		1
51	Mailbox switch: a scalable two-stage switch architecture for conflict resolution of ordered packets. , 0, , .		57
52	Load balanced Birkhoff-von Neumann switches. , 0, , .		45
53	QoS of data traffic with voice handoffs in a PCS network. , 0, , .		1
54	Weighted fair queueing and compensation techniques for wireless packet switched networks. , 0, , .		1

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55	Using switched delay lines for exact emulation of FIFO multiplexers with variable length bursts. , 0, , .		3
56	Providing guaranteed rate services in the load balanced Birkhoff-von Neumann switches. , 0, , .		19
57	Quasi-circuit switching and quasi-circuit switches. , 0, , .		4
58	Generalization of the Pollaczek-Khinchin formula for throughput analysis of input-buffered switches. , 0, , .		3
59	Window adaptive TCP for EGPRS networks. , 0, , .		0