

E Hossain

List of Publications by Year in descending order

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49
papers

1,222
citations

567281

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49
all docs

49
docs citations

49
times ranked

810
citing authors

#	ARTICLE	IF	CITATIONS
1	Call admission control for QoS provisioning in 4G wireless networks: issues and approaches. IEEE Network, 2005, 19, 5-11.	6.9	136
2	Queue-aware uplink bandwidth allocation and rate control for polling service in IEEE 802.16 broadband wireless networks. IEEE Transactions on Mobile Computing, 2006, 5, 668-679.	5.8	126
3	Opportunistic spectrum scheduling for multiuser cognitive radio: a queueing analysis. IEEE Transactions on Wireless Communications, 2009, 8, 5259-5269.	9.2	122
4	IEEE 802.16/WiMAX-based broadband wireless access and its application for telemedicine/e-health services. IEEE Wireless Communications, 2007, 14, 72-83.	9.0	97
5	A Queueing-Theoretic and Optimization-Based Model for Radio Resource Management in IEEE 802.16 Broadband Wireless Networks. IEEE Transactions on Computers, 2006, 55, 1473-1488.	3.4	94
6	Cooperative Spectrum Sharing in Cognitive Radio Networks: A Game-Theoretic Approach. , 2010, , .		62
7	Downlink joint rate and power allocation in cellular multirate WCDMA systems. IEEE Transactions on Wireless Communications, 2003, 2, 69-80.	9.2	55
8	An EMI-Aware Prioritized Wireless Access Scheme for e-Health Applications in Hospital Environments. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 1247-1258.	3.2	44
9	Service differentiation in multirate wireless networks with weighted round-robin scheduling and ARQ-based error control. IEEE Transactions on Communications, 2006, 54, 208-215.	7.8	41
10	Tandem Queue Models with Applications to QoS Routing in Multihop Wireless Networks. IEEE Transactions on Mobile Computing, 2008, 7, 1025-1040.	5.8	41
11	Queue-aware uplink bandwidth allocation for polling services in 802.16 broadband wireless networks. , 2005, , .		39
12	Connection admission control algorithms for OFDM wireless networks. , 2005, , .		31
13	A Unified Framework for Optimal Wireless Access for Data Streaming Over Vehicle-to-Roadside Communications. IEEE Transactions on Vehicular Technology, 2010, 59, 3025-3035.	6.3	23
14	Interaction between radio link level truncated ARQ, and TCP in multi-rate wireless networks: a cross-layer performance analysis. IET Communications, 2007, 1, 821.	2.2	22
15	An Optimization-Based GTS Allocation Scheme for IEEE 802.15.4 MAC with Application to Wireless Body-Area Sensor Networks. , 2010, , .		22
16	IEEE 802.15.4 MAC With GTS Transmission for Heterogeneous Devices With Application to Wheelchair Body-Area Sensor Networks. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 767-777.	3.2	22
17	Queueing analysis of OFDM/TDMA systems. , 2005, , .		21
18	A centralized TDMA-based scheme for fair bandwidth allocation in wireless IP networks. IEEE Journal on Selected Areas in Communications, 2001, 19, 2201-2214.	14.0	19

#	ARTICLE	IF	CITATIONS
19	Analysis of TCP Performance Under Joint Rate and Power Adaptation in Cellular WCDMA Networks. IEEE Transactions on Wireless Communications, 2004, 3, 865-879.	9.2	19
20	Radio link level performance evaluation in wireless networks using multi-rate transmission with ARQ-based error control. IEEE Transactions on Wireless Communications, 2006, 5, 2647-2653.	9.2	19
21	QoS and energy trade off in distributed energy-limited mesh/relay networks: a queuing analysis. IEEE Transactions on Parallel and Distributed Systems, 2006, 17, 576-592.	5.6	18
22	Channel-quality-based opportunistic scheduling with ARQ in multi-rate wireless networks: modeling and analysis. IEEE Transactions on Wireless Communications, 2006, 5, 796-806.	9.2	15
23	Joint Optimization of Placement and Bandwidth Reservation for Relays in IEEE 802.16j Mobile Multihop Networks. , 2009, , .		13
24	An analytical approach to providing controllable differentiated quality of service in Web servers. IEEE Transactions on Parallel and Distributed Systems, 2005, 16, 1022-1033.	5.6	12
25	Analysis of end-to-end performance in a multi-hop wireless network for different hop-level ARQ policies. , 0, , .		11
26	On Adaptive Hybrid Error Control in Wireless Networks Using Reed-Solomon Codes. IEEE Transactions on Wireless Communications, 2005, 4, 835-840.	9.2	10
27	Queueing analysis and admission control for multi-rate wireless networks with opportunistic scheduling and ARQ-based error control. , 0, , .		9
28	End-to-End Batch Transmission in a Multihop and Multirate Wireless Network: Latency, Reliability, and Throughput Analysis. IEEE Transactions on Mobile Computing, 2006, 5, 1143-1155.	5.8	9
29	Dynamic Rate and Power Adaptation for Provisioning Class-Based QoS in Cellular Multirate WCDMA Systems. IEEE Transactions on Wireless Communications, 2004, 3, 1590-1601.	9.2	8
30	Dynamic rate adaptation based on multidimensional multicode DS-SS in cellular wireless networks. IEEE Transactions on Communications, 2003, 51, 247-260.	7.8	7
31	Optimal radio channel allocation for fair queuing in wireless data networks. , 0, , .		6
32	ORCA-MRT: an optimization-based approach for fair scheduling in multirate TDMA wireless networks. IEEE Transactions on Wireless Communications, 2005, 4, 2823-2835.	9.2	6
33	Call-Level and Packet-Level Quality of Service and User Utility in Rate-Adaptive Cellular CDMA Networks: A Queuing Analysis. IEEE Transactions on Mobile Computing, 2006, 5, 1749-1763.	5.8	6
34	Dynamic random access code assignment for prioritized packet data transmission in wcdma networks. IEEE Transactions on Wireless Communications, 2003, 2, 911-925.	9.2	5
35	An Auction Mechanism for Channel Access in Vehicle-to-Roadside Communications. , 2009, , .		5
36	Performance bound of dynamic forward link adaptation in cellular WCDMA networks using high-order modulation and multicode formats. Electronics Letters, 2004, 40, 132.	1.0	4

#	ARTICLE	IF	CITATIONS
37	Performance analysis and adaptive call admission control in cellular mobile networks with time-varying traffic. , 0, , .		4
38	Performance analysis of multi-service wireless cellular networks with MMPP call arrival patterns. , 0, , .		3
39	Analysis of fair scheduling and connection admission control in differentiated services wireless networks. , 0, , .		3
40	End-to-End Queueing Performance Evaluation for Multiuser Wireless Relay Networks. , 2011, , .		3
41	Call-level and packet-level performance analysis of call admission control and adaptive channel allocation in cellular wireless networks. , 2005, , .		2
42	Dynamic rate and power adaptation for forward link transmission using high-order modulation and multicode formats in cellular WCDMA networks. IEEE Transactions on Wireless Communications, 2005, 4, 2361-2372.	9.2	2
43	On Access-Based Self-Organized Clustering in Ad hoc Mobile Wireless Networks. , 0, , .		2
44	Modeling and analysis of TCP performance under joint rate and power adaptation in multi-cell multi-rate WCDMA systems. , 0, , .		1
45	Cross-layer performance in cellular WCDMA/3G networks: modelling and analysis. , 0, , .		1
46	Delay statistics in multi-rate wireless networks with ARQ and weighted round-robin scheduling. , 0, , .		1
47	Queueing analysis of go-back-N ARQ protocol in multi-rate wireless networks with feedback delay. , 2005, , .		1
48	Dynamic assignment of random access code channels. , 0, , .		0
49	Call-level and packet-level performance modeling in cellular CDMA networks. , 2005, , .		0