

# Making transmission schedules immune to topology changes in networks

IEEE/ACM Transactions on Networking  
2, 23-29

DOI: [10.1109/90.282605](https://doi.org/10.1109/90.282605)

Citation Report

#	ARTICLE	IF	CITATIONS
1	A conceptual framework to integrate mobility into ISDN. , 0, , .		0
2	A robust multi-priority topology-independent transmission schedule for packet radio networks. Information Processing Letters, 1995, 55, 291-295.	0.6	13
3	On the complexity of finding sparsest and densest parts in wireless networks. Wireless Networks, 1995, 1, 221-226.	3.0	0
4	A fundamental relationship between fairness and optimum throughput in TDMA protocols. , 0, , .		2
5	A dynamically reconfigurable WDM LAN based on reconfigurable circulant graph. , 0, , .		1
6	An integrated protocol stack for efficient resources management in wireless networks. Journal of Network and Systems Management, 1996, 4, 221-239.	4.9	0
7	A unified framework and algorithm for (T/F/C)DMA channel assignment in wireless networks. , 0, , .		117
8	Time-spread multiple-access (TSMA) protocols for multihop mobile radio networks. IEEE/ACM Transactions on Networking, 1997, 5, 804-812.	3.8	83
9	Transmission policies and traffic management in multimedia wireless networks. Wireless Networks, 1997, 3, 103-112.	3.0	9
10	Dynamic capacity allocation and hybrid multiplexing techniques for ATM wireless LANs. Mobile Networks and Applications, 1998, 3, 307-316.	3.3	3
11	Hierarchicallyâ€œorganized, multihop mobile wireless networks for qualityâ€œofâ€œservice support. Mobile Networks and Applications, 1998, 3, 101-119.	3.3	279
12	Analysis of protocol sequences for slow frequency hopping. Wireless Networks, 1998, 4, 411-418.	3.0	2
13	A five-phase reservation protocol (FPRP) for mobile ad hoc networks. , 0, , .		49
14	Toward power-sensitive network architectures in wireless communications: concepts, issues, and design aspects. IEEE Personal Communications, 1998, 5, 50-59.	3.8	303
15	An optimal topology-transparent scheduling method in multihop packet radio networks. IEEE/ACM Transactions on Networking, 1998, 6, 298-306.	3.8	206
16	Efficient communication strategies for ad-hoc wireless networks (extended abstract). , 1998, , .		28
17	Performance analysis of time-spread multiple access (TSMA) protocol in multihop wireless networks. , 0, , .		2
18	Link scheduling for enhanced throughput in a DS-SS multihop packet radio network. , 0, , .		0

#	ARTICLE	IF	CITATIONS
19	TDMA scheduling design of multihop packet radio networks based on latin squares. , 1999, , .		7
20	The broadcast storm problem in a mobile ad hoc network. , 1999, , .		1,981
21	A unified framework and algorithm for channel assignment in wireless networks. Wireless Networks, 1999, 5, 81-94.	3.0	305
22	Adapting broadcasting sets to topology changes in packet radio networks. , 0, , .		2
23	Mobility-independent flooding for real-time multimedia applications in ad hoc networks. , 0, , .		7
24	A protocol for topology-dependent transmission scheduling in wireless networks. , 0, , .		88
25	TDMA scheduling design of multihop packet radio networks based on latin squares. IEEE Journal on Selected Areas in Communications, 1999, 17, 1345-1352.	14.0	76
26	ADAPT: a dynamically self-adjusting media access control protocol for ad hoc-networks. , 0, , .		33
27	Evaluation of channel access protocol performance for a mobile multimedia terminal in a multihop network. International Journal of Communication Systems, 2000, 13, 489-503.	2.5	0
28	Exact Error Probability for Slow Frequency Hopping. European Transactions on Telecommunications, 2000, 11, 183-190.	1.2	0
29	A logarithmic lower bound for timeâ€spread multipleâ€access (TSMA) protocols. Wireless Networks, 2000, 6, 161-163.	3.0	8
30	Efficient Communication Strategies for Ad Hoc Wireless Networks. Theory of Computing Systems, 2000, 33, 337-391.	1.1	16
31	A new model for packet scheduling in multihop wireless networks. , 2000, , .		253
32	Multicasting sustained CBR and VBR traffic in wireless ad-hoc networks. , 0, , .		7
33	Collision-free topology-dependent channel access scheduling. , 0, , .		15
34	An adaptive medium access control (MAC) protocol for reliable broadcast in wireless networks. , 0, , .		26
35	Collision-avoidance transmission scheduling for ad-hoc networks. , 0, , .		11
36	Low power TDMA in large wireless sensor networks. , 0, , .		49

#	ARTICLE	IF	CITATIONS
37	A self-coordinating approach to distributed fair queueing in ad hoc wireless networks. , 0, , .		53
38	An energy conserving medium access control protocol for multihop packet radio networks. , 0, , .		2
39	A fully distributed mediator based service location protocol in ad hoc networks. , 0, , .		4
40	Title is missing!. Wireless Networks, 2001, 7, 385-400.	3.0	2
41	A Five-Phase Reservation Protocol (FPRP) for Mobile Ad Hoc Networks. Wireless Networks, 2001, 7, 371-384.	3.0	200
42	A topology-independent transmission scheduling in multihop packet radio networks. , 0, , .		11
43	A performance study of a service covering protocol in ad hoc networks. , 0, , .		0
44	A new approach to channel access scheduling for Ad Hoc networks. , 2001, , .		231
45	Space-time division multiple access (STDMA) and coordinated, power-aware MACA for mobile ad hoc networks. , 0, , .		15
47	Mobility independent medium access control in support of multimedia. , 0, , .		1
48	Randomized broadcast channel access algorithms for ad hoc networks. , 0, , .		2
49	Managing the information flow in visual sensor networks. , 0, , .		35
50	Deterministic broadcasting time in radio networks of unknown topology. , 0, , .		30
51	Wireless Media Access Control. , 0, , 119-143.		10
52	On using the ad-hoc network model in cellular packet data networks. , 2002, , .		48
53	Deterministic radio broadcasting at low cost. Networks, 2002, 39, 88-97.	2.7	5
54	Deterministic broadcasting in ad hoc radio networks. Distributed Computing, 2002, 15, 27-38.	0.8	145
55	The Broadcast Storm Problem in a Mobile Ad Hoc Network. Wireless Networks, 2002, 8, 153-167.	3.0	1,100

#	ARTICLE	IF	CITATIONS
56	An Adaptive Generalized Transmission Protocol for Ad Hoc Networks. Mobile Networks and Applications, 2002, 7, 493-502.	3.3	21
57	Randomized Broadcast Channel Access Algorithms for Ad Hoc Networks. International Journal of Wireless Information Networks, 2002, 9, 243-258.	2.7	0
58	An End-to-End Bandwidth Allocation Algorithm for Ad Hoc Networks. Telecommunication Systems, 2003, 22, 281-297.	2.5	10
59	Topology-transparent time division multiple access broadcast scheduling in multihop packet radio networks. IEEE Transactions on Vehicular Technology, 2003, 52, 970-984.	6.3	44
60	Distributed dynamic channel access scheduling for ad hoc networks. Journal of Parallel and Distributed Computing, 2003, 63, 3-14.	4.1	37
61	Distributed broadcast in radio networks of unknown topology. Theoretical Computer Science, 2003, 302, 337-364.	0.9	114
62	Mobile ad hoc networking: imperatives and challenges. Ad Hoc Networks, 2003, 1, 13-64.	5.5	997
63	Design and analysis of an MST-based topology control algorithm. , 0, , .		354
64	Real-time communication and coordination in embedded sensor networks. Proceedings of the IEEE, 2003, 91, 1002-1022.	21.3	323
65	Channel access-based self-organized clustering in ad hoc networks. IEEE Transactions on Mobile Computing, 2003, 2, 102-113.	5.8	37
66	Topology-transparent scheduling for MANETs using orthogonal arrays. , 2003, , .		31
67	Improving the efficiency and fairness of time-spread multiple-access (TSMA) using adaptive p-persistence. , 0, , .		0
68	A synchronous, reservation based medium access control protocol for multihop wireless networks. , 0, , .		11
69	Minimizing broadcast latency and redundancy in ad hoc networks. , 2003, , .		122
70	On the performance of graph-based scheduling algorithms for packet radio networks. , 0, , .		59
71	Power controlled multiple access control for wireless access nets. , 0, , .		6
72	Scheduling based on message in ad hoc networks. , 0, , .		1
73	Energy-efficient collision-free medium access control for wireless sensor networks. , 2003, , .		700

#	ARTICLE	IF	CITATIONS
74	Throughput Analysis of a Probabilistic Topology-Unaware TDMA MAC Policy for Ad-hoc Networks. Lecture Notes in Computer Science, 2003, , 172-181.	1.3	4
75	SYNCHRONIZED AND CONCURRENT ENABLING OF NEIGHBORHOOD TRANSMISSION (SCENT) – A MAC PROTOCOL FOR CONCURRENT TRANSMISSION IN WIRELESS AD-HOC NETWORKS. International Journal on Wireless and Optical Communications, 2004, 02, 243-266.	0.2	0
76	MALS: multiple access scheduling based on Latin squares. , 0, , .		10
77	A topology-independent TDMA transmission scheduling algorithm in wireless multihop networks. , 2004, , .		2
78	Multichannel time-spread scheduling: a new approach to handling heavy traffic loads in ad hoc networks. , 2004, , .		1
79	Energy-efficient link assessment in wireless sensor networks. , 0, , .		59
80	Cover-Free Families and Topology-Transparent Scheduling for MANETs. Designs, Codes, and Cryptography, 2004, 32, 65-95.	1.6	28
81	On the Power Assignment Problem in Radio Networks. Mobile Networks and Applications, 2004, 9, 125-140.	3.3	100
82	A Packet Scheduling Approach to QoS Support in Multihop Wireless Networks. Mobile Networks and Applications, 2004, 9, 193-206.	3.3	43
83	Self-coordinating localized fair queueing in wireless ad hoc networks. IEEE Transactions on Mobile Computing, 2004, 3, 86-98.	5.8	64
84	Topology-transparent link activation scheduling schemes for multihop CDMA ad hoc networks. , 0, , .		2
85	Topology transparent scheduling,synchronization,and maximum delay. , 0, , .		2
86	Multiple access protocol for power-controlled wireless access nets. IEEE Transactions on Mobile Computing, 2004, 3, 307-316.	5.8	51
87	Scheduled persistence for medium access control in sensor networks. , 0, , .		4
88	On using peer-to-peer communication in cellular wireless data networks. IEEE Transactions on Mobile Computing, 2004, 3, 57-72.	5.8	107
89	Topology-transparent node activation scheduling schemes for multihop TDMA ad hoc networks. , 0, , .		10
90	An efficient heuristic algorithm for 2D h-hops range assignment problem. , 0, , .		5
91	Analysis of a Probabilistic Topology-Unaware TDMA MAC Policy for Ad Hoc Networks. IEEE Journal on Selected Areas in Communications, 2004, 22, 1286-1300.	14.0	50

#	ARTICLE	IF	CITATIONS
92	Collision-Minimizing CSMA and Its Applications to Wireless Sensor Networks. IEEE Journal on Selected Areas in Communications, 2004, 22, 1048-1057.	14.0	198
93	SSCH. , 2004, , .		543
94	Time of Deterministic Broadcasting in Radio Networks with Local Knowledge. SIAM Journal on Computing, 2004, 33, 870-891.	1.0	53
95	Faster Deterministic Broadcasting in Ad Hoc Radio Networks. SIAM Journal on Discrete Mathematics, 2004, 18, 332-346.	0.8	27
96	SINR-based Channel Assignment for Dense Wireless LANs. , 0, , .		1
97	Mobile Ad Hoc Networking with a View of 4G Wireless: Imperatives and Challenges. , 2005, , 1-45.		25
98	Performance analysis of topology-unaware TDMA MAC schemes for ad hoc networks with topology control. Computer Communications, 2005, 28, 313-324.	5.1	4
99	Resource Allocation of Spatial Time Division Multiple Access in Multi-hop Radio Networks. , 2005, , 198-222.		5
100	MAC coding for QoS guarantees in multi-hop mobile wireless networks. , 2005, , .		7
101	Almost Disjunct Codes in Large Scale Multihop Wireless Network Media Access Control. , 0, , .		2
102	Broadcast Services and Topology Control in Ad-Hoc Networks. International Federation for Information Processing, 2005, , 407-418.	0.4	0
103	Power Efficiency Analysis for Topology-Unaware TDMA MAC Policies in Ad-Hoc Networks. , 0, , .		2
104	A distributed bandwidth reservation algorithm for QoS routing in TDMA-based mobile ad hoc networks. , 0, , .		6
105	ArDeZ: a low power asymmetric rendezvous MAC for sensor networks. , 0, , .		4
106	A DAG-based approach to wireless scheduling. , 0, , .		4
107	Position-Based Broadcast TDMA Scheduling for Mobile Ad-Hoc Networks (MANETS) with Advantaged Nodes. , 0, , .		10
108	A topology-independent link activation scheduling framework in multihop CDMA packet radio networks. , 2005, , .		0
109	Impact of User Mobility on the Broadcast Service Efficiency of the ADHOC MAC protocol. , 0, , .		41

#	ARTICLE	IF	CITATIONS
110	A self-reorganizing slot allocation protocol for multi-cluster sensor networks. , 0, , .		5
111	Designing Transmission Schedules for Wireless Ad Hoc Networks to Maximize Network Throughput. , 0, , .		1
112	Energy-efficient, application-aware medium access for sensor networks. , 0, , .		74
113	Design and analysis of an MST-based topology control algorithm. IEEE Transactions on Wireless Communications, 2005, 4, 1195-1206.	9.2	287
114	Distributed Scheduling for WIMAX Mesh Network. , 2006, , .		11
115	Topology-Transparent Schedules for Energy Limited Ad hoc Networks. , 0, , .		2
116	ABF-TDMA: an adaptive beamforming TDMA protocol for mobile ad hoc networks. , 2006, , .		0
117	Channel Access Using Opportunistic Reservations in Ad Hoc Networks. , 2006, , .		1
118	An On-demand and Dynamic Slot Assignment Protocol for Ad Hoc Networks. , 2006, , .		4
119	aMAC: Advanced MAC Scheme for Mobile Ad-hoc Networks. , 2006, , .		0
120	Dynamic Conflict-free Query Scheduling for Wireless Sensor Networks. , 2006, , .		33
121	Topology-transparent schedule with reservation and carrier sense for multihop ad hoc networks. IEEE Communications Letters, 2006, 10, 314-316.	4.1	10
122	Topology-transparent reservation time division multiple access protocol with MIMO links in multihop ad hoc networks. IEEE Communications Letters, 2006, 10, 411-413.	4.1	8
123	MATS: multichannel time-spread scheduling in mobile ad hoc networks. IEEE Transactions on Wireless Communications, 2006, 5, 612-621.	9.2	3
124	Scheduling Optimization in wireless MESH Networks with Power Control and Rate Adaptation. , 2006, , .		33
125	A study on distributed/centralized scheduling for wireless mesh network. , 2006, , .		52
126	Approximation algorithms for conflict-free channel assignment in wireless ad hoc networks. Wireless Communications and Mobile Computing, 2006, 6, 201-211.	1.2	30
127	Slot synchronized topology-transparent scheduling for sensor networks. Computer Communications, 2006, 29, 421-428.	5.1	13



#	ARTICLE	IF	CITATIONS
128	Topology-transparent reservation time division multiple access in multihop ad hoc networks. Computers and Electrical Engineering, 2006, 32, 432-448.	4.8	1
129	Energy-Efficient, Collision-Free Medium Access Control for Wireless Sensor Networks. Wireless Networks, 2006, 12, 63-78.	3.0	297
130	The effects of synchronization on topology-transparent scheduling. Wireless Networks, 2006, 12, 681-690.	3.0	21
131	Energy considerations for topology-unaware TDMA MAC protocols. Ad Hoc Networks, 2006, 4, 359-379.	5.5	5
132	Performance Evaluation of A New MAC Method for Ad Hoc Networks. , 2006, , .		0
133	Research on A Carrier Synchronization Method for Digital Radio Compass. , 2006, , .		0
134	DRAND:. , 2006, , .		159
135	A distributed load-based transmission scheduling protocol for wireless ad hoc networks. , 2006, , .		11
136	Bid Activation Multiple Access in Ad Hoc Networks. , 2006, , .		0
137	Analysis and Implementation of Time-Slot Allocation in TDMA System with Limited Queue Constraint in WLANs. , 2006, , .		0
138	WLC25-4: Dynamic 802.15.3 WPAN Scheduling using Maximal Matching. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
139	Ad Hoc Networks with Topology-Transparent Scheduling Schemes: Scaling Laws and Capacity/Delay Tradeoffs. , 0, , .		2
140	Jamming Resistant Architecture for WiMAX Mesh Network. , 2006, , .		16
141	Improvement of Slots Utilization with a Stealing-TDMA Protocol for Ad Hoc Network. , 2006, , .		7
142	On Transmission Scheduling in Wireless Networks. , 2006, , .		1
143	Designing Multihop Wireless Backhaul Networks with Delay Guarantees. , 2006, , .		68
144	IMPROVED ALGORITHM FOR MINIMUM COST RANGE ASSIGNMENT PROBLEM FOR LINEAR RADIO NETWORKS. International Journal of Foundations of Computer Science, 2007, 18, 619-635.	1.1	4
145	An Adaptive Time-Spread Multiple-Access Policy for Wireless Sensor Networks. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, 1.	2.4	4

#	ARTICLE	IF	CITATIONS
146	Energy-Efficient Multi-Hop Scheduling for Multi-Rate 802.15.3 WPANs. , 2007, , .		1
147	FSMA - A Topology-Transparent Scheme for Opportunistic Spectrum Access. IEEE Vehicular Technology Conference, 2007, , .	0.4	3
148	TMMAC: An Energy Efficient Multi-Channel MAC Protocol for Ad Hoc Networks. , 2007, , .		137
149	CC-TDMA: Coloring- and Coding-Based Multi-Channel TDMA Scheduling for Wireless Ad Hoc Networks. , 2007, , .		14
150	Minimizing inter-cluster interference by self-reorganizing MAC allocation in sensor networks. Wireless Networks, 2007, 13, 691-703.	3.0	11
151	Generalized Cover-Free Families for Topology-Transparent Channel Assignment. , 2007, , .		2
152	Topology-Transparent Duty Cycling for Wireless Sensor Networks. , 2007, , .		2
153	RTRG: Reschedule Trigger to optimize rescheduling frequency for schedule based MAC schemes. , 2007, , .		0
154	Broadcasting in geometric radio networks. Journal of Discrete Algorithms, 2007, 5, 187-201.	0.7	48
155	Ternary Schedules for Energy-Limited Sensor Networks. IEEE Transactions on Information Theory, 2007, 53, 2791-2798.	2.4	7
156	Transport schemes for topology-transparent scheduling. Journal of Combinatorial Optimization, 2007, 14, 229-248.	1.3	2
157	OVSF-CDMA Code Assignment in Wireless Ad Hoc Networks. Algorithmica, 2007, 49, 264-285.	1.3	5
158	Improved bounds for data-gathering time in sensor networks. Computer Communications, 2008, 31, 4026-4034.	5.1	8
159	Performance Evaluation for Minislot Allocation for Wireless Mesh Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 3732-3745.	6.3	13
160	Minimizing Broadcast Latency and Redundancy in Ad Hoc Networks. IEEE/ACM Transactions on Networking, 2008, 16, 840-851.	3.8	122
161	Topology-Independent Link Activation Scheduling Schemes for Mobile CDMA Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2008, 7, 599-616.	5.8	15
162	Rateless Forward Error Correction for Topology-Transparent Scheduling. IEEE/ACM Transactions on Networking, 2008, 16, 464-472.	3.8	16
163	Joint Topology-Transparent Scheduling and QoS Routing in Mobile Ad Hoc Networks. , 2008, , .		4

#	ARTICLE	IF	CITATIONS
164	Topology-Transparent Distributed Scheduling in Multi-Hop Wireless Networks. , 2008, , .		9
165	Alert: An Adaptive Low-Latency Event-Driven MAC Protocol for Wireless Sensor Networks. , 2008, , .		21
166	The Multi-Channel Flow-Aware Medium Access Control protocol for wireless sensor networks. , 2008, , .		2
167	Performance evaluation of a new MAC scheme for ad hoc networks. , 2008, , .		0
168	A New Channel Accessing Scheme for Multi-Hop Networks. , 2008, , .		0
169	An Evolutionary Topology Unaware TDMA MAC Protocol for Ad Hoc Networks. , 2008, , .		4
170	Joint topology-transparent broadcast scheduling and MDS erasure coding in multihop TDMA ad hoc networks. , 2008, , .		0
171	An Evolutionary Time Spread Multiple Access Protocol for Ad Hoc Networks. , 2008, , .		2
172	A dynamic topology-transparent time divided multiple access protocol for mobile Ad Hoc networks. , 2008, , .		0
173	Collaborative Routing, Scheduling and Frequency Assignment for Wireless Ad Hoc Networks Using Spectrum-Agile Radios. , 2008, , .		1
174	Balanced Incomplete Block Designs based scheduling scheme for multi-hop ad hoc networks. , 2008, , .		7
175	Minimum-Latency Beaconing Schedule in Multihop Wireless Networks. , 2009, , .		12
176	Reliable Broadcast of Safety Messages in Vehicular Ad Hoc Networks. , 2009, , .		84
177	DRAND: Distributed Randomized TDMA Scheduling for Wireless Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2009, 8, 1384-1396.	5.8	222
178	Improved Algorithms for Data-Gathering Time in Sensor Networks II: Ring, Tree, and Grid Topologies. International Journal of Distributed Sensor Networks, 2009, 5, 463-479.	2.2	6
179	DTSMa: Distributed time-spread multiple access for wireless mesh networks with IEEE 802.16d MAC protocol. Computer Networks, 2009, 53, 322-337.	5.1	1
180	Improving Network Throughput Using a Fixed Scheduling Scheme and a P-Persistent Approach. , 2009, , .		0
181	Transmission Time Minimization Algorithms in Multihop Wireless Networks with Multiple Channels. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
182	Bounded Delay Transmission of Different Traffic Classes in Wireless Sensor Networks. , 2009, , .		3
184	Designing multihop wireless backhaul networks with delay guarantees. Wireless Networks, 2010, 16, 237-254.	3.0	32
185	Routing, scheduling and channel assignment in Wireless Mesh Networks: Optimization models and algorithms. Ad Hoc Networks, 2010, 8, 545-563.	5.5	101
186	A learning automata based scheduling solution to the dynamic point coverage problem in wireless sensor networks. Computer Networks, 2010, 54, 2410-2438.	5.1	47
187	Distributed quality of service routing in multihop TDMA ad hoc networks. , 2010, , .		0
188	Optimal Resource Allocation for Transmitting Network Information and Data in Wireless Networks. , 2010, , .		1
189	Design and performance evaluation of communication algorithms in multihop wireless networks with multiple channels. International Journal of Parallel, Emergent and Distributed Systems, 2010, 25, 465-488.	1.0	3
190	New concepts for a decentralized, self-organizing air-to-air radio link. , 2010, , .		7
191	A Framework for Topology-Transparent Scheduling in Wireless Networks. , 2010, , .		7
192	A Topology-Independent Broadcasting Protocol in Ad Hoc Networks with MIMO Links. , 2010, , .		2
193	A Universal Geocast Scheme for Vehicular Ad Hoc Networks. , 2010, , .		3
194	First-Fit Scheduling for Beaconing in Multihop Wireless Networks. , 2010, , .		12
195	A Novel Spatial TDMA Scheduler for Concurrent Transmit/Receive Wireless Mesh Networks. , 2010, , .		7
196	Adaptive Topology-Transparent Distributed Scheduling in Wireless Networks. , 2010, , .		5
197	A Lightweight Deterministic MAC Protocol Using Low Cross-Correlation Sequences. , 2011, , .		2
198	Reservation protocol: Towards collision-free transmission in vehicular ad-hoc networks (poster). , 2011, , .		0
199	Dynamic Conflict-Free Transmission Scheduling for Sensor Network Queries. IEEE Transactions on Mobile Computing, 2011, 10, 734-748.	5.8	30
200	Mobility Adaptive Energy Efficient and Low Latency MAC for Wireless Sensor Networks. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
201	Mobility Adaptive CSMA/CA MAC for Wireless Sensor Networks. Lecture Notes in Computer Science, 2011, , 573-587.	1.3	0
202	Chemical Reaction Optimization for Task Scheduling in Grid Computing. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1624-1631.	5.6	143
203	Alert: An Adaptive Low-Latency Event-Driven MAC Protocol for Wireless Sensor Networks. Journal of Computer Networks and Communications, 2011, 2011, 1-19.	1.6	1
204	End-to-end bandwidth allocation scheme for voice traffic support over MANETs. Telecommunication Systems, 2011, 48, 261-276.	2.5	3
205	Collaborative routing, scheduling and frequency assignment for wireless Ad Hoc networks using spectrum-agile radios. Wireless Networks, 2011, 17, 167-181.	3.0	9
206	Improved lower bound for deterministic broadcasting in radio networks. Theoretical Computer Science, 2011, 412, 3568-3578.	0.9	3
207	A topology-transparent MAC scheduling algorithm with guaranteed QoS for multihop wireless network. Journal of Control Theory and Applications, 2011, 9, 106-114.	0.8	6
208	Topology-Transparent Distributed Multicast and Broadcast Scheduling in Mobile Ad Hoc Networks. , 2012, , .		9
209	Topology-transparent scheduling in mobile ad hoc networks supporting heterogeneous quality of service guarantees. , 2012, , .		6
210	Transmission Scheduling for Multi-Hop Power Line Communication Networks. , 2012, , .		2
211	A Cluster-based TDMA interference mitigation scheme for heterogeneous network convergence. , 2012, , .		1
212	Bounds and parameter optimization of medium access control coding for wireless ad hoc and sensor networks. Ad Hoc Networks, 2012, 10, 128-143.	5.5	6
213	Novel scheduling algorithms for concurrent transmit/receive wireless mesh networks. Computer Networks, 2012, 56, 1200-1214.	5.1	19
214	Real-Time Query Scheduling for Wireless Sensor Networks. IEEE Transactions on Computers, 2013, 62, 1850-1865.	3.4	26
215	Analytic Design of Active Safety Systems for Vehicular Ad hoc Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 491-503.	14.0	7
216	Collision Free Mobility Adaptive (CFMA) MAC for wireless sensor networks. Telecommunication Systems, 2013, 52, 2459-2474.	2.5	16
217	Transmission scheduling between users in power line Communication networks. , 2013, , .		1
218	Is Topology-Transparent Scheduling Really Inefficient in Static Multihop Networks?. IEEE Wireless Communications Letters, 2013, 2, 659-662.	5.0	6

#	ARTICLE	IF	CITATIONS
219	Tumbling Multilevel Channel Conflicts in Mobile Ad Hoc Networks. , 2013, , .		1
220	Topological Persistence for Medium Access Control. IEEE Transactions on Mobile Computing, 2013, 12, 1598-1612.	5.8	2
221	Neighbor Discovery Using Galois Fields and Its Hardware Implementation. , 2013, , .		1
222	Research and implementation of a self-organizing network dynamic timeslot channel allocation mechanism. , 2013, , .		2
223	Scheduled channel access using geographical classification. , 2013, , .		3
224	Topology-Transparent Broadcast Scheduling with Erasure Coding in Wireless Networks. IEEE Communications Letters, 2013, 17, 1660-1663.	4.1	3
225	Reliable broadcast in vehicular ad-hoc networks. , 2013, , .		3
226	Distributed multi-channel topology-transparent broadcast scheduling in ad hoc networks. , 2014, , .		2
227	Cost-Efficient Routing Protocol (CERP) on Wireless Sensor Networks. Wireless Personal Communications, 2014, 79, 2517-2530.	2.7	1
228	Safety-Message Broadcast in Vehicular Ad Hoc Networks Based on Protocol Sequences. IEEE Transactions on Vehicular Technology, 2014, 63, 1467-1479.	6.3	28
229	Transmission Sequence Design and Allocation for Wide-Area Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 869-878.	6.3	18
230	Joint Topology-Transparent Scheduling and QoS Routing in Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 372-389.	6.3	10
231	Performance Improvement of Topology-Transparent Broadcast Scheduling in Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 4594-4605.	6.3	12
232	Topology-Transparent Scheduling in Mobile Ad Hoc Networks With Multiple Packet Reception Capability. IEEE Transactions on Wireless Communications, 2014, 13, 5940-5953.	9.2	14
233	ATLAS: Adaptive Topology- and Load-Aware Scheduling. IEEE Transactions on Mobile Computing, 2014, 13, 2255-2268.	5.8	11
234	Using Radio Connectivity to Define Transmission Schedules in Multihop Wireless Networks. , 2014, , .		2
235	Slot conflict resolution in TDMA based Mobile Ad hoc Networks. , 2015, , .		5
236	Minimum-Latency Beaconing Schedule in duty-cycled multihop wireless networks. , 2015, , .		12

#	ARTICLE	IF	CITATIONS
237	Adaptive MAC Protocol for Throughput Enhancement in Multihop Wireless Networks. Network Protocols and Algorithms, 2015, 7, 84.	1.0	0
238	A performance comparison between CACs and SCACs based topology-transparent scheduling. , 2015, , .		1
239	Topology-Transparent Scheduling via the Chinese Remainder Theorem. IEEE/ACM Transactions on Networking, 2015, 23, 1416-1429.	3.8	17
240	A Survey of TDMA Scheduling Schemes in Wireless Multihop Networks. ACM Computing Surveys, 2015, 47, 1-39.	23.0	67
241	A dynamic TDMA-based MAC protocol with QoS guarantees for fully connected ad hoc networks. Telecommunication Systems, 2015, 60, 43-53.	2.5	12
242	Development of the protected data transfer protocol for the MANET networks on the basis of residue number system. , 2015, , .		2
243	Power controlled fair access protocol for wireless networked control systems. Wireless Networks, 2015, 21, 1499-1516.	3.0	9
244	On the effect of the deployment setting on broadcasting in Euclidean radio networks. Distributed Computing, 2016, 29, 409-434.	0.8	0
245	A comparative study of two classical topology-transparent scheduling algorithms for multi-hop packet radio networks. , 2016, , .		1
246	Topology-transparent scheduling in mobile multihop ad hoc networks with directional antennas. , 2016, , .		2
247	A TDMA MAC scheduling protocol algorithm for wireless mobile Ad Hoc network and its performance analyses. , 2016, , .		2
248	Testbed implementation of the meta-MAC protocol. , 2016, , .		3
249	A Note on Topology-Transparent Scheduling via the Chinese Remainder Theorem. IEEE Signal Processing Letters, 2016, 23, 1126-1130.	3.6	3
250	Constant Approximations for Beaconing Scheduling in Wireless Networks With Duty-Cycled Scenarios. IEEE Transactions on Wireless Communications, 2016, 15, 2328-2334.	9.2	3
251	Partially user-irrepressible sequence sets and conflict-avoiding codes. Designs, Codes, and Cryptography, 2016, 78, 679-691.	1.6	2
252	Variable-weight topology-transparent scheduling. Computer Networks, 2017, 122, 16-28.	5.1	6
253	A Survey of Topology-Transparent Scheduling Schemes in Multi-Hop Packet Radio Networks. IEEE Communications Surveys and Tutorials, 2017, 19, 2026-2049.	39.4	11
254	Topology-Transparent Scheduling Based on Reinforcement Learning in Self-Organized Wireless Networks. IEEE Access, 2018, 6, 20221-20230.	4.2	9

#	ARTICLE	IF	CITATIONS
255	Distributed Randomized -Clustering Based PCID Assignment for Ultra-Dense Femtocellular Networks. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1247-1260.	5.6	15
256	Topology-Transparent Scheduling for Dense Multi-hop MIMO Wireless Networks. , 2018, , .		0
257	Topology-Transparent Scheduling in Mobile Ad Hoc Networks with Unidirectional Links. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 112-121.	0.3	0
258	A disjoint frame topology-independent TDMA MAC policy for safety applications in vehicular networks. Ad Hoc Networks, 2018, 79, 43-52.	5.5	10
259	Joint Power Control and Topology-Transparent Scheduling in Mobile Multi-Hop Networks under Physical Interference Model. , 2018, , .		1
260	Asynchronous Grant-Free Uplink Transmissions in Multichannel Wireless Networks With Heterogeneous QoS Guarantees. IEEE/ACM Transactions on Networking, 2019, 27, 1584-1597.	3.8	18
261	A Framework of Topology-Transparent Scheduling Based on Polynomial Ring. IEEE Wireless Communications Letters, 2019, 8, 829-832.	5.0	2
262	Recent Progress on QoS Scheduling for Mobile Ad Hoc Networks. Journal of Organizational and End User Computing, 2019, 31, 37-66.	2.9	13
263	Steiner system-based topology-transparent priority scheduling for wireless ad hoc networks. Internet Technology Letters, 2019, 2, e102.	1.9	4
264	New CRT sequence sets for a collision channel without feedback. Wireless Networks, 2019, 25, 1697-1709.	3.0	3
265	Implementation of a Topology Independent MAC (TiMAC) Policy on a Low-Cost IoT System. Future Internet, 2020, 12, 86.	3.8	1
266	A LoRa Based Wireless Relay Network for Actuator Data. , 2020, , .		14
267	A Fairness-Aware topology independent TDMA MAC policy in time constrained wireless ad hoc networks. Computer Networks, 2020, 171, 107157.	5.1	5
268	MIMO-TTR+: A Novel Topology-Transparent Scheduling Scheme for MIMO Wireless Networks. , 2020, , .		0
269	TDMA based contention-free MAC protocols for vehicular ad hoc networks: A survey. Vehicular Communications, 2021, 28, 100308.	4.0	14
270	Delay-Constrained Topology-Transparent Distributed Scheduling for MANETs. IEEE Transactions on Vehicular Technology, 2021, 70, 1083-1088.	6.3	11
271	Theoretically Good Distributed CDMA/OVSF Code Assignment for Wireless Ad Hoc Networks. Lecture Notes in Computer Science, 2005, , 126-135.	1.3	12
272	Reed-Solomon and Hermitian Code-Based Scheduling Protocols for Wireless Ad Hoc Networks. Lecture Notes in Computer Science, 2005, , 221-234.	1.3	12



#	ARTICLE	IF	CITATIONS
273	Faster Deterministic Broadcasting in Ad Hoc Radio Networks. Lecture Notes in Computer Science, 2003, , 109-120.	1.3	9
274	Topology Transparent Support for Sensor Networks. Lecture Notes in Computer Science, 2004, , 122-137.	1.3	5
275	An Information Theoretic Lower Bound for Broadcasting in Radio Networks. Lecture Notes in Computer Science, 2004, , 534-546.	1.3	3
276	Load Analysis of Topology-Unaware TDMA MAC Policies for Ad Hoc Networks. Lecture Notes in Computer Science, 2004, , 84-93.	1.3	3
277	Steiner Systems for Topology-Transparent Access Control in MANETs. Lecture Notes in Computer Science, 2003, , 247-258.	1.3	14
278	A Probabilistic Topology Unaware TDMA Medium Access Control Policy for Ad Hoc Environments. Lecture Notes in Computer Science, 2003, , 291-305.	1.3	5
279	Time-Efficient Broadcasting in Radio Networks: A Review. , 2007, , 1-18.		23
281	Time-Efficient Broadcast in Radio Networks. Texts in Theoretical Computer Science, 2009, , 311-334.	0.8	1
282	OVSF-CDMA code assignment in wireless ad hoc networks. , 2004, , .		9
283	Analysis of topology-unaware TDMA MAC policies for ad-hoc networks under diverse traffic loads. Mobile Computing and Communications Review, 2005, 9, 25-38.	1.7	5
284	Time bounded medium access control for ad hoc networks. , 2002, , .		27
285	Quality of Service in Wireless Multi-Hop Ad Hoc Networks. Wireless Networks and Mobile Communications, 2008, , 179-217.	1.0	1
286	Fault-Tolerant WSN Time Synchronization. Wireless Sensor Network, 2010, 02, 739-745.	1.3	2
287	Distributed Resource Allocation in Ad Hoc Networks. Lecture Notes in Computer Science, 2002, , 613-622.	1.3	0
288	Remarks on Ad Hoc Networking. Lecture Notes in Computer Science, 2002, , 101-123.	1.3	0
291	Improved Algorithm for Minimum Cost Range Assignment Problem for Linear Radio Networks. Lecture Notes in Computer Science, 2004, , 412-423.	1.3	1
293	Distributed Channel Access Scheduling for Ad Hoc Networks. Chapman & Hall/CRC Computer and Information Science Series, 2005, , 4-45-4-75.	0.4	9
294	Throughput Analysis of an Aloha-Based MAC Policy for Ad Hoc Networks. International Federation for Information Processing, 2006, , 219-223.	0.4	0

#	ARTICLE	IF	CITATIONS
295	Low-Latency Broadcast Scheduling in Ad Hoc Networks. Lecture Notes in Computer Science, 2006, , 527-538.	1.3	8
296	Election Based Hybrid Channel Access. Lecture Notes in Computer Science, 2007, , 61-72.	1.3	0
298	Topology-Transparent Scheduling Protocols for QoS-Robust Wireless Ad Hoc and Sensor Networks. Wireless Networks and Mobile Communications, 2008, , 219-249.	1.0	1
299	Topology-Transparent Hybrid MAC Protocol for Ad Hoc Networks. Ruan Jian Xue Bao/Journal of Software, 2009, 20, 1642-1650.	0.3	0
300	FH-MAC. International Journal of Grid and High Performance Computing, 2009, 1, 40-56.	0.9	1
301	Apples and oranges. , 2010, , .		4
302	An Algorithm for Improving Throughput Guarantee of Topology-Transparent MAC Scheduling Strategy. Wireless Sensor Network, 2010, 02, 801-806.	1.3	2
303	Variable Weight Sequences for Adaptive Scheduled Access in MANETs. Lecture Notes in Computer Science, 2012, , 53-64.	1.3	5
304	Mobility Adaptive Energy Efficient and Low Latency MAC for Wireless Sensor Networks. International Journal of Handheld Computing Research, 2013, 4, 40-54.	0.4	1
305	A Fast and Collision Avoidance Distributed TDMA Schedule Based on the Multi-Arms Bandit. IOP Conference Series: Materials Science and Engineering, 0, 608, 012007.	0.6	0
306	A Refined Topology-Independent Probabilistic TDMA MAC Policy for Ad Hoc Networks. , 2021, , .		1
307	FH-MAC. , 0, , 313-329.		0
308	An Adaptive Scheduling Protocol for Multi-scale Sensor Network Architecture. , 2007, , 386-403.		0
309	Key-Activation Multiple Access (KAMA). , 2021, , .		3
310	Simple and Efficient Collision-Free Channel Access in Multi-Hop Wireless Networks. , 2021, , .		0
313	A Novel Threaded Topology-Transparent Scheduling Protocol for Wireless Networks. , 2022, , .		0
314	On Utilizing Unused Slots In Topology-Transparent TDMA MAC Policies for Ad Hoc Networks. , 2022, , .		1
317	Distributed Channel Access with no Multiple Access Interference in Multi-Hop Wireless Networks. , 2022, , .		0