Sensor Networks With Mobile Access: Optimal Random

IEEE Journal on Selected Areas in Communications 22, 1058-1068

DOI: 10.1109/jsac.2004.830899

Citation Report

#	ARTICLE	IF	CITATIONS
1	On the MAC for optimal information retrieval pattern in sensor networks with mobile access. , 0, , .		3
2	Optimal reconstruction of gauss markov field in large sensor networks. , 0, , .		1
3	Information retrieval and processing in sensor networks: deterministic scheduling vs. random access. , 0, , .		9
4	Effect of MAC design on source estimation in dense sensor networks. , 0, , .		5
5	A connectionless approach to large scale sensor networks. , 0, , .		1
6	The effect of fading on the achievable rate of cooperative sensor networks with misinformed sensors. , 0, , .		2
7	Sensor Networks With Mobile Access: Optimal Random Access and Coding. IEEE Journal on Selected Areas in Communications, 2004, 22, 1058-1068.	14.0	84
8	A cross-layer perspective in an uncharted path - Signal processing in random access. IEEE Signal Processing Magazine, 2004, 21, 29-39.	5.6	111
9	MAC Protocols for Optimal Information Retrieval Pattern in Sensor Networks with Mobile Access. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	2.4	5
10	Exploiting Decentralized Channel State Information for Random Access. IEEE Transactions on Information Theory, 2005, 51, 537-561.	2.4	169
11	Cooperative Sensor Networks With Misinformed Nodes. IEEE Transactions on Information Theory, 2005, 51, 4118-4133.	2.4	23
12	Energy-Efficient Scheduling for Wireless Sensor Networks. IEEE Transactions on Communications, 2005, 53, 1333-1342.	7.8	104
13	Sensitivity and Coding of Opportunistic ALOHA in Sensor Networks with Mobile Access. Journal of Signal Processing Systems, 2005, 41, 329-344.	1.0	2
14	Energy efficient clustering in sensor networks with mobile agents. , 0, , .		12
15	A Cross-Layer Design Approach to Enhance 802.15.4. , 0, , .		11
16	Channel-State Based Scheduling in Wireless Sensor Networks for Reliable Transmission. , 0, , .		2
17	Capacity of cooperative sensor networks with sensor errors. , 0, , .		3
18	Critical Issues in Energy-Constrained Sensor Networks: Synchronization, Scheduling, and Acquisition. , 0, , .		10

#	Article	IF	CITATIONS
19	Opportunistic medium access for wireless networking adapted to decentralized CSI. IEEE Transactions on Wireless Communications, 2006, 5, 1445-1455.	9.2	36
20	Joint Optimization of Transmit Power-Time and Bit Energy Efficiency in CDMA Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2006, 5, 3109-3118.	9.2	39
21	Estimation error minimization in sensor networks with mobile agents. , 0, , .		0
22	Relaying in Wireless Sensor Networks with Interference Mitigation. , 0, , .		2
23	Adaptive sensor activity control in many-to-one sensor networks. IEEE Journal on Selected Areas in Communications, 2006, 24, 1525-1534.	14.0	6
24	The interplay between signal processing and networking in sensor networks. IEEE Signal Processing Magazine, 2006, 23, 84-93.	5.6	58
25	Estimation of the number of operating sensors in large-scale sensor networks with mobile access. IEEE Transactions on Signal Processing, 2006, 54, 1703-1715.	5.3	47
26	Impact of Data Retrieval Pattern on Homogeneous Signal Field Reconstruction in Dense Sensor Networks. IEEE Transactions on Signal Processing, 2006, 54, 4352-4364.	5.3	29
27	Balancing Cooperation and Interference in Wireless Sensor Networks. , 2006, , .		23
28	Power efficient Opportunistic p-persistent CSMA for Wireless Networks. , 2006, , .		3
29	Sensor Networks With Mobile Access: Energy and Capacity Considerations. IEEE Transactions on Communications, 2006, 54, 2033-2044.	7.8	48
30	Opportunistic p-persistent CSMA in wireless networks. , 2006, , .		22
31	Spatial Diversity Benefits by Means of Induced Fading. , 2006, , .		11
32	Stochastic Control for Sensor Activity Management in Many-to-one Sensor Networks. , 2006, , .		0
33	Performance of Routing in Sensor Networks with a Mobile Access Point. , 2007, , .		3
34	Using Opportunistic CSMA/CA to Achieve Multi-User Diversity in Wireless LAN. , 2007, , .		10
35	Energy-Efficient Scheduling Optimization in Wireless Sensor Networks with Delay Constraints. , 2007, , .		5
36	Scatterable Sensor Networks for Network Centric Warfare Applications. , 2007, , .		2

CITATION REPORT

#	Article	IF	CITATIONS
37	Little Tom Thumb Went Straight Home: Asymptotic Behavior of a Routing Protocol in Ad-hoc Networks with a Mobile Access Point. , 2007, , .		7
38	Reactive sink mobility in wireless sensor networks. , 2007, , .		7
39	RRT-D: A MOTION PLANNING APPROACH FOR AUTONOMUS VEHICLES BASED ON WIRELESS SENSOR NETWORK INFORMATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 25-30.	0.4	2
40	Energy-efficient information retrieval for correlated source reconstruction in sensor networks. IEEE Transactions on Wireless Communications, 2007, 6, 157-165.	9.2	17
41	Transmission Scheduling for Optimizing Sensor Network Lifetime: A Stochastic Shortest Path Approach. IEEE Transactions on Signal Processing, 2007, 55, 2294-2309.	5.3	118
42	An Energy-Efficient Approach to Scheduling in Wireless Sensor Networks. , 2007, , .		Ο
43	Maximum Asymptotic Stable Throughput of Opportunistic Slotted ALOHA and Applications to CDMA Networks. IEEE Transactions on Wireless Communications, 2007, 6, 1159-1163.	9.2	15
44	Performance Analysis of Wireless Deaf CDMA Sensor Networks in Fading Channels. IEEE Vehicular Technology Conference, 2007, , .	0.4	1
45	Information Retrieval and Processing in Sensor Networks: Deterministic Scheduling Versus Random Access. IEEE Transactions on Signal Processing, 2007, 55, 5806-5820.	5.3	16
46	BER-delay characteristics analysis of IEEE 802.15.4 wireless sensor networks with cooperative MIMO. , 2007, , .		3
47	Controlled sink mobility for prolonging wireless sensor networks lifetime. Wireless Networks, 2008, 14, 831-858.	3.0	332
48	Group Testing for Binary Markov Sources: Data-Driven Group Queries for Cooperative Sensor Networks. IEEE Transactions on Information Theory, 2008, 54, 3538-3551.	2.4	3
49	Cooperative Diversity in Interference Limited Wireless Networks. IEEE Transactions on Wireless Communications, 2008, 7, 3185-3195.	9.2	19
50	Throughput maximization by utilizing multi-user diversity in slow-fading random access channels. IEEE Transactions on Wireless Communications, 2008, 7, 2526-2535.	9.2	13
52	Design of energy-efficient wireless communication networks. , 2008, , .		1
53	Joint Optimization of Node Cooperation and Energy Saving in Wireless Sensor Networks with Multiple Access Channel Setting. , 2008, , .		3
54	Adaptive Cluster-Based Data Collection in Sensor Networks with Direct Sink Access. IEEE Transactions on Mobile Computing, 2008, 7, 884-897.	5.8	48
55	Minimum cost hierarchical architecture for correlated data aggregation in sensor networks with mobile access. , 2008, , .		0

#	Article	IF	CITATIONS
56	Capture Effects in Opportunistic Slotted ALOHA over Rayleigh Fading Channels. , 2008, , .		0
57	Interference and Sink Capacity of Wireless CDMA Sensor Networks with Layered Architecture. ETRI Journal, 2008, 30, 13-20.	2.0	14
58	Multiple-access interference constrained source extraction in wireless sensor networks. , 2009, , .		0
59	Energy conservation in wireless sensor networks: A survey. Ad Hoc Networks, 2009, 7, 537-568.	5.5	2,114
60	Minimizing effective energy consumption in multi-cluster sensor networks for source extraction. IEEE Transactions on Wireless Communications, 2009, 8, 1480-1489.	9.2	25
61	Opportunistic CSMA/CA for achieving multi-user diversity in wireless LAN. IEEE Transactions on Wireless Communications, 2009, 8, 2972-2982.	9.2	29
63	QoS Constraint with prioritized frame selection CDMA MAC protocol for WSN employing UAV. , 2010, , .		14
64	Novel multiple access scheme for wireless sensor network employing unmanned aerial vehicle. , 2010, ,		20
65	Power and performance tradeoff of MAC protocol for wireless sensor network employing UAV. , 2010, , .		4
66	Performance evaluation of the PFSC based MAC protocol for WSN employing UAV in rician fading. , $2011,$, .		15
67	Highly reliable communication protocol for WSN-UAV system employing TDMA and PFS scheme. , 2011, , \cdot		32
68	Data Collection in Wireless Sensor Networks with Mobile Elements. ACM Transactions on Sensor Networks, 2011, 8, 1-31.	3.6	424
69	Evolutionary Game Based Access Control Protocol in Wireless Networks with Mobile Routers. IEICE Transactions on Communications, 2011, E94-B, 2225-2234.	0.7	2
70	Mobile Sensing and Actuating with Ubiquitous Computing. International Journal of Distributed Sensor Networks, 2012, 8, 296396.	2.2	0
71	Does More Transmitting Sensors Always Mean Better Decision Fusion in Censoring Sensor Networks with an Unknown Size?. IEEE Transactions on Communications, 2012, 60, 2313-2325.	7.8	6
72	A Cross-Layer Design for Data Collecting of the UAV-Wireless Sensor Network System. , 2014, , .		9
73	Routing in mobile wireless sensor network: a survey. Telecommunication Systems, 2014, 57, 51-79.	2.5	136
74	Ten Years of Cooperation Between Mobile Robots and Sensor Networks. International Journal of Advanced Robotic Systems, 2015, 12, 70.	2.1	15

CITATION REPORT

#	Article	IF	CITATIONS
75	Single Antenna Interference Cancellation for GSM/VAMOS/EDGE Using <inline-formula> <tex-math notation="TeX">\$L_{p}\$</tex-math></inline-formula> -Norm Detection and Decoding. IEEE Transactions on Wireless Communications, 2015, 14, 2413-2425.	9.2	8
76	Classification of Multi-UAV Architectures. , 2015, , 953-975.		33
77	An efficient medium access control protocol for WSN-UAV. Ad Hoc Networks, 2016, 52, 146-159.	5.5	19
78	Optimized Node Selection for Compressive Sleeping Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 827-836.	6.3	38
79	Optimizing Energy Consumption for Big Data Collection in Large-Scale Wireless Sensor Networks With Mobile Collectors. IEEE Systems Journal, 2018, 12, 616-626.	4.6	90
80	Channel-Aware Multichannel Random Access for Energy-Limited Sensors and MTC Devices. IEEE Access, 2018, 6, 59929-59939.	4.2	3
81	An Algorithm for Processing Data Received from a Distributed Monitoring Network Consisting of Several Sensors. IOP Conference Series: Materials Science and Engineering, 2021, 1079, 062062.	0.6	0
82	Rendezvous Data Collection Using a Mobile Element in Heterogeneous Sensor Networks. International Journal of Distributed Sensor Networks, 2012, 8, 686172.	2.2	11
83	An Intelligent Diversity Scheme for Accurate Positioning of Mobile Agents for U-City. Lecture Notes in Computer Science, 2007, , 910-917.	1.3	1
84	Algorithmic support for the detection characteristics improving of the monitoring object. , 2020, 2608, 1-11.		0