A survey of gossiping and broadcasting in communicati

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Citation Report

#	Article	IF	CITATIONS
1	Universally fault-tolerant broadcasting in trees. , 0, , .		0
2	Time bounds on fault-tolerant broadcasting. Networks, 1989, 19, 803-822.	1.6	24
3	Optimal algorithms for dissemination of information in some interconnection networks. , 1990, , 337-346.		11
4	Randomized broadcast in networks. Random Structures and Algorithms, 1990, 1, 447-460.	0.6	168
5	Parallel algorithms for gossiping by mail. Information Processing Letters, 1990, 34, 197-202.	0.4	26
6	On network characterization of and optimal broadcasting in the Manhattan Street Network. , 0, , .		17
7	The Communication Complexity of Atomic Commitment and of Gossiping. SIAM Journal on Computing, 1991, 20, 423-450.	0.8	28
8	Optimal broadcasting in faulty hypercubes. , 0, , .		20
9	Optimal multinode broadcast on a mesh connected graph with reduced bufferization. , 1991, , 143-152.		7
10	Optimal communication algorithms for hypercubes. Journal of Parallel and Distributed Computing, 1991, 11, 263-275.	2.7	115
11	Broadcasting in complete networks with faulty nodes using unreliable calls. Information Processing Letters, 1991, 40, 169-174.	0.4	6
12	Tight Bounds on Mimimum Broadcast Networks. SIAM Journal on Discrete Mathematics, 1991, 4, 207-222.	0.4	74
13	Electing leaders based upon performance: the delay model. , 0, , .		12
14	Optimal all-to-all broadcasting schemes in distributed systems. , 0, , .		1
15	Parallel algorithms for information dissemination by packets. , 0, , .		1
16	Fault-tolerant gossiping on hypercube multicomputers. , 1991, , 463-472.		8
17	Designing broadcasting algorithms in the postal model for message-passing systems. , 1992, , .		115
18	Information networks and market behavior. Journal of Mathematical Sociology, 1992, 16, 305-332.	0.6	38

ATION RE

#	Article	IF	CITATIONS
19	Efficient decentralized consensus protocols in a distributed computing system. , 0, , .		4
20	Multiple message broadcasting with generalized Fibonacci trees. , 0, , .		18
21	Broadcasting algorithms in faulty SIMD hypercubes. , 0, , .		11
22	Almost Safe Gossiping in Bounded Degree Networks. SIAM Journal on Discrete Mathematics, 1992, 5, 338-344.	0.4	22
23	Broadcasting in Bounded Degree Graphs. SIAM Journal on Discrete Mathematics, 1992, 5, 10-24.	0.4	40
24	Minimum Time Broadcast Networks Tolerating a Logarithmic Number of Faults. SIAM Journal on Discrete Mathematics, 1992, 5, 178-198.	0.4	17
25	Gossiping in Minimal Time. SIAM Journal on Computing, 1992, 21, 111-139.	0.8	110
26	Fast Gossiping for the Hypercube. SIAM Journal on Computing, 1992, 21, 365-380.	0.8	39
27	Asymptotically optimal broadcasting and gossiping in faulty hypercube multicomputers. IEEE Transactions on Computers, 1992, 41, 1410-1419.	2.4	27
28	Approximation algorithms for minimum time broadcast. Lecture Notes in Computer Science, 1992, , 67-78.	1.0	13
29	Set to set broadcasting in communication networks. Discrete Applied Mathematics, 1992, 40, 411-421.	0.5	13
30	Broadcasting in DMA-bound bounded degree graphs. Discrete Applied Mathematics, 1992, 37-38, 387-400.	0.5	17
31	Minimum broadcast digraphs. Discrete Applied Mathematics, 1992, 37-38, 401-419.	0.5	11
32	Sparse broadcast graphs. Discrete Applied Mathematics, 1992, 36, 97-130.	0.5	52
33	Complexity analysis of broadcasting in hypercubes with restricted communication capabilities. Journal of Parallel and Distributed Computing, 1992, 16, 15-26.	2.7	15
34	Communication algorithms for isotropic tasks in hypercubes and wraparound meshes. Parallel Computing, 1992, 18, 1233-1257.	1.3	41
35	Optimal total exchange for a 3-D torus of processors. Information Processing Letters, 1992, 42, 95-102.	0.4	6
36	Sequential information dissemination by packets. Networks, 1992, 22, 317-333.	1.6	21

	CITA	TION REPORT	
#	Article	IF	Citations
37	Tighter time bounds on fault-tolerant broadcasting and gossiping. Networks, 1992, 22, 469-486.	1.6	34
38	Minimum broadcast time is NP-complete for 3-regular planar graphs and deadline 2. Information Processing Letters, 1993, 46, 281-287.	0.4	41
39	Fault—tolerant hypercube broadcasting via information dispersal. Networks, 1993, 23, 271-282.	1.6	14
40	Some minimum gossip graphs. Networks, 1993, 23, 333-341.	1.6	23
41	A very short proof of a conjecture concerning set-to-set broadcasting. Networks, 1993, 23, 449-450.	1.6	2
42	Optimal communication in networks with randomly distributed byzantine faults. Networks, 1993, 23, 691-701.	1.6	15
43	Information flows on hypergraphs. Discrete Mathematics, 1993, 113, 71-97.	0.4	6
44	Symmetry in interconnection networks based on Cayley graphs of permutation groups: A survey. Parallel Computing, 1993, 19, 361-407.	1.3	260
45	Fast information sharing in a complete network. Discrete Applied Mathematics, 1993, 42, 75-86.	0.5	20
46	Broadcasting in multichannel MANs. Computer Communications, 1993, 16, 100-107.	3.1	0
47	Three-dimensional computation visualization. , 0, , .		29
48	Optimal algorithms for dissemination of information in some interconnection networks. Algorithmica, 1993, 10, 24-40.	1.0	10
49	Graph theoretical issues in computer networks. European Journal of Operational Research, 1993, 71, 1-16.	3.5	0
50	Fast gossiping on square mesh computers. Information Processing Letters, 1993, 48, 127-130.	0.4	7
51	On the furthest-distance-first principle for data scattering with set-up. , 0, , .		3
52	Broadcasting multiple messages in simultaneous send/receive systems. , 0, , .		7
53	Communication complexity of fault-tolerant information diffusion. , 0, , .		4
54	Global semigroup operations in faulty SIMD hypercubes. , 0, , .		3

	CHATION R	LPORT	
#	Article	IF	CITATIONS
55	Gossiping on interval graphs (computer networks). , 0, , .		0
56	Multinode broadcast in hypercubes and rings with randomly distributed length of packets. IEEE Transactions on Parallel and Distributed Systems, 1993, 4, 144-154.	4.0	16
57	Network communication in edge-colored graphs: gossiping. IEEE Transactions on Parallel and Distributed Systems, 1993, 4, 438-445.	4.0	21
58	Multiple message broadcasting in the postal model. , 0, , .		13
59	Decentralized consensus protocols with multi-port communication. , 0, , .		4
60	Gossiping in a distributed network. IEEE Transactions on Computers, 1993, 42, 253-256.	2.4	7
61	Prefix Computation on a Faulty Hypercube. , 1993, , .		4
62	Consistency algorithms for optimistic replication. , 0, , .		17
63	An approximate analysis of broadcasting in multichannel metropolitan area networks. , 0, , .		4
64	Computing global combine operations in the multi-port postal model. , 0, , .		9
65	Optimal Occupation in the Complete Graph. Probability in the Engineering and Informational Sciences, 1993, 7, 369-385.	0.6	2
66	Optimal broadcast and summation in the LogP model. , 1993, , .		131
67	Circuit-switched broadcasting in d-dimensional tori and meshes. , 0, , .		5
68	A dominating set model for broadcast in all-port wormhole-routed 2D mesh networks. , 1994, , .		15
69	Efficient algorithms for all-to-all communications in multi-port message-passing systems. , 1994, , .		54
70	Total exchange in faulty SIMD hypercubes. , 0, , .		6
71	On the construction of regular minimal broadcast digraphs. Theoretical Computer Science, 1994, 124, 329-342.	0.5	3
72	Note on optimal gossiping in some weak-connected graphs. Theoretical Computer Science, 1994, 127, 395-402.	0.5	3

#	Article	IF	CITATIONS
73	Designing broadcasting algorithms in the postal model for message-passing systems. Mathematical Systems Theory, 1994, 27, 431-452.	0.5	88
74	Quick gossiping by telegraphs. Discrete Mathematics, 1994, 126, 421-424.	0.4	6
75	Electing "Good" Leaders. Journal of Parallel and Distributed Computing, 1994, 21, 184-201.	2.7	36
76	Partial Multinode Broadcast and Partial Exchange Algorithms for d-Dimensional Meshes. Journal of Parallel and Distributed Computing, 1994, 23, 177-189.	2.7	13
77	Broadcasting in Faulty Binary Jumping Networks. Journal of Parallel and Distributed Computing, 1994, 23, 462-467.	2.7	2
78	Two simple techniques for broadcasting in deflection routing multichannel MANs. Computer Networks, 1994, 26, 1023-1041.	1.0	2
79	Broadcasting multiple messages in simultaneous send/receive systems. Discrete Applied Mathematics, 1994, 55, 95-105.	0.5	25
80	On optimal broadcasting in faulty hypercubes. Discrete Applied Mathematics, 1994, 53, 3-13.	0.5	7
81	Fast gossiping with short unreliable messages. Discrete Applied Mathematics, 1994, 53, 15-24.	0.5	9
82	Broadcasting in m-dimensional grid graphs with a given neighborhood template. Discrete Applied Mathematics, 1994, 53, 25-36.	0.5	1
83	Optimal algorithms for dissemination of information in generalized communication modes. Discrete Applied Mathematics, 1994, 53, 55-78.	0.5	15
84	Methods and problems of communication in usual networks. Discrete Applied Mathematics, 1994, 53, 79-133.	0.5	321
85	Reliable broadcasting. Discrete Applied Mathematics, 1994, 53, 135-148.	0.5	9
86	Broadcasting on recursively decomposable Cayley graphs. Discrete Applied Mathematics, 1994, 53, 171-182.	0.5	22
87	Broadcasting in butterfly and deBruijn networks. Discrete Applied Mathematics, 1994, 53, 183-197.	0.5	22
88	Minimum k-broadcast graphs. Discrete Applied Mathematics, 1994, 53, 199-209.	0.5	15
89	Traffic-light scheduling on the grid. Discrete Applied Mathematics, 1994, 53, 211-234.	0.5	8
90	A minimum broadcast graph on 63 vertices. Discrete Applied Mathematics, 1994, 53, 247-250.	0.5	19

#	Article	IF	Citations
91	Broadcasting on [0, L]. Discrete Applied Mathematics, 1994, 53, 299-319.	0.5	24
92	Broadcasting multiple messages in a grid. Discrete Applied Mathematics, 1994, 53, 321-336.	0.5	7
93	Information dissemination in distributed systems with faulty units. IEEE Transactions on Computers, 1994, 43, 698-710.	2.4	18
94	Recursive circulant: a new topology for multicomputer networks (extended abstract). , 0, , .		32
95	Broadcasting and Gossiping in de Bruijn Networks. SIAM Journal on Computing, 1994, 23, 212-225.	0.8	39
96	Parallel Information Dissemination by Packets. SIAM Journal on Computing, 1994, 23, 355-372.	0.8	22
97	On the design and implementation of broadcast and global combine operations using the postal model. , 0, , .		10
98	Optimal NODUP all-to-all broadcast schemes in distributed computing systems. IEEE Transactions on Parallel and Distributed Systems, 1994, 5, 1275-1285.	4.0	7
99	Rapid rumor ramification: approximating the minimum broadcast time. , 0, , .		79
100	Optimal multiple message broadcasting in telephone-like communication systems. , 0, , .		2
101	Optimal Broadcast in All-Port Wormhole-Routed Hypercubes. , 1994, , .		6
102	Gossiping on mesh-bus computers by packets. , 0, , .		0
103	Gossiping with multiple sends and receives. , 0, , .		0
104	Data transmission in processor networks. Lecture Notes in Computer Science, 1995, , 145-159.	1.0	0
105	Broadcasting in hypercubes with randomly distributed Byzantine faults. Lecture Notes in Computer Science, 1995, , 215-229.	1.0	8
106	Structured communication in torus networks. , 0, , .		4
107	Collective communication in wormhole-routed massively parallel computers. Computer, 1995, 28, 39-50.	1.2	160
108	Repeated uncoordinated information dissemination by flooding. Networks, 1995, 26, 13-23.	1.6	Ο

	Charlow R		
#	Article	IF	CITATIONS
109	Multiple message broadcasting in communication networks. Networks, 1995, 26, 253-261.	1.6	15
110	Kernels of minimum size gossip schemes. Discrete Mathematics, 1995, 143, 99-139.	0.4	7
111	A Note on Optimal Time Broadcast in Faulty Hypercubes. Journal of Parallel and Distributed Computing, 1995, 26, 132-135.	2.7	10
112	The minimum broadcast time problem for several processor networks. Theoretical Computer Science, 1995, 147, 69-85.	0.5	24
113	Asymptotically optimal gossiping in radio networks. Discrete Applied Mathematics, 1995, 61, 61-82.	0.5	15
114	Optimal computation of census functions in the postal model. Discrete Applied Mathematics, 1995, 58, 213-222.	0.5	12
115	Central Limit Theorem for Time to Broadcast in Radio Networks. Probability in the Engineering and Informational Sciences, 1995, 9, 201-209.	0.6	1
116	Broadcasting with universal lists. , 0, , .		0
117	Thoughts on parallelism and concurrency in compiling curricula. ACM Computing Surveys, 1995, 27, 280-283.	16.1	6
118	A journey into multicomputer routing algorithms. , 0, , .		0
119	Performance characterization of the tree quorum algorithm. IEEE Transactions on Parallel and Distributed Systems, 1995, 6, 658-662.	4.0	4
120	Efficient routing algorithms for folded-cube networks. , 0, , .		5
121	Computing global combine operations in the multiport postal model. IEEE Transactions on Parallel and Distributed Systems, 1995, 6, 896-900.	4.0	14
122	Optimal broadcast in all-port wormhole-routed hypercubes. IEEE Transactions on Parallel and Distributed Systems, 1995, 6, 200-204.	4.0	48
123	An optimal broadcasting algorithm without message redundancy in star graphs. IEEE Transactions on Parallel and Distributed Systems, 1995, 6, 653-658.	4.0	51
124	Approximation Algorithms for Minimum-Time Broadcast. SIAM Journal on Discrete Mathematics, 1995, 8, 401-427.	0.4	69
125	Clobal commutative and associative reduction operations in faulty SIMD hypercubes. IEEE Transactions on Computers, 1996, 45, 495-498.	2.4	3
126	Fast gossiping on mesh-bus computers. IEEE Transactions on Computers, 1996, 45, 1326-1330.	2.4	9

IF ARTICLE CITATIONS # Approximation algorithms for information dissemination problems., 0,,. 127 3 Optimal Group Gossiping in Hypercubes under a Circuit-Switching Model. SIAM Journal on Computing, 0.8 1996, 25, 1045-1060. Efficient Gossiping by Packets in Networks with Random Faults. SIAM Journal on Discrete Mathematics, 129 0.4 24 1996, 9, 7-18. Efficient termination detection for loosely synchronous applications in multicomputers. IEEE Transactions on Parallel and Distributed Systems, 1996, 7, 537-544. 4.0 Broadcasting multiple messages in the multiport model., 0,,. 131 0 Optimal information dissemination in star and pancake networks. IEEE Transactions on Parallel and 4.0 Distributed Systems, 1996, 7, 1292-1300. On the design and implementation of broadcast and global combine operations using the postal 133 4.0 26 model. IEEE Transactions on Parallel and Distributed Systems, 1996, 7, 256-265. Reliable broadcasting in product networks with Byzantine faults., 0, , . 134 On general results for all-to-all broadcast. IEEE Transactions on Parallel and Distributed Systems, 135 4.0 8 1996, 7, 363-370. Circuit-switched broadcasting in torus and mesh networks. IEEE Transactions on Parallel and 28 Distributed Systems, 1996, 7, 184-190. Reliable Broadcasting in Hypercubes with Random Link and Node Failures. Combinatorics Probability 137 0.8 6 and Computing, 1996, 5, 337-350. 138 Synchronization of Work Schedules. International Economic Review, 1996, 37, 157. Adaptive broadcasting with faulty nodes. Parallel Computing, 1996, 22, 903-912. 139 1.3 18 Broadcasting in synchronous networks with dynamic faults. Networks, 1996, 27, 309-318. 140 1.6 Cyclic gossiping times for some classes of graphs. Networks, 1996, 28, 135-141. 141 0 1.6 The partial gossiping problem. Discrete Mathematics, 1996, 148, 9-14. 142 143 Reordered gossip schemes. Discrete Mathematics, 1996, 156, 113-140. 0.4 8 Dimension Ordering and Broadcast Algorithms in Faulty SIMD Hypercubes. Journal of Parallel and 144 Distributed Computing, 1996, 35, 57-66.

	CHATION R	LPORT	
# 145	ARTICLE On the communication complexity of polling. Information Processing Letters, 1996, 59, 317-323.	IF 0.4	Citations
146	Bounded depth broadcasting. Discrete Applied Mathematics, 1996, 66, 255-270.	0.5	2
147	Gossiping with multiple sends and receives. Discrete Applied Mathematics, 1996, 64, 105-116.	0.5	0
148	Circuit-switched broadcasting in torus networks. IEEE Transactions on Parallel and Distributed Systems, 1996, 7, 246-255.	4.0	56
149	Optimal time broadcasting in faulty star networks. Lecture Notes in Computer Science, 1996, , 175-190.	1.0	7
150	A genetic algorithm for the minimum broadcast time problem using a global precedence vector. , 1996, ,		4
151	Approximation algorithms for structured communication problems. , 1997, , .		11
152	Broadcasting and multicasting in cut-through routed networks. , 0, , .		6
153	Optimal polling in communication networks. IEEE Transactions on Parallel and Distributed Systems, 1997, 8, 449-461.	4.0	12
154	Algorithms and lower bounds for p-gossiping in circulant networks. , 0, , .		5
155	Optimal broadcast in $\hat{1}\pm$ -port wormhole-routed mesh networks. , 0, , .		2
156	Distributed route initialization algorithms for the Monash Secure RISC Multiprocessor. , 0, , .		1
157	Minimizing broadcast costs under edge reductions in tree networks. , 0, , .		1
158	Uniform dynamic self-stabilizing leader election. IEEE Transactions on Parallel and Distributed Systems, 1997, 8, 424-440.	4.0	120
159	Lower bounds on systolic gossip. , 0, , .		1
160	Efficient algorithms for all-to-all communications in multiport message-passing systems. IEEE Transactions on Parallel and Distributed Systems, 1997, 8, 1143-1156.	4.0	200
161	A new interconnection network for parallel computer with low diameter. , 0, , .		1
162	A decentralised scheme for multi-node broadcasting on hypercubes. , 0, , .		0

IF ARTICLE CITATIONS # A parallel algorithm with embedded load balancing for autocorrelation matrix computation., 0,,. 163 0 164 Are 2*-trees interesting topologies for the interconnection of a network?., 0, , . Gossiping and broadcasting versus computing functions in networks. Lecture Notes in Computer 165 1.0 0 Science, 1997, , 189-200. Colouring paths in directed symmetric trees with applications to WDM routing. Lecture Notes in Computer Science, 1997, , 505-515. Keeping track of the latest gossip in a distributed system. Distributed Computing, 1997, 10, 137-148. 167 0.7 29 Periodic gossiping in back-to-back trees. Discrete Applied Mathematics, 1997, 75, 157-168. Better bounds for perpetual gossiping. Discrete Applied Mathematics, 1997, 75, 189-197. 169 0.5 3 k-Path partitions in trees. Discrete Applied Mathematics, 1997, 78, 227-233. 170 171 Broadcast and gossip in line-communication mode. Discrete Applied Mathematics, 1997, 80, 161-176. 0.5 2 Reliable Broadcasting in Logarithmic Time with Byzantine Link Failures. Journal of Algorithms, 1997, 22, 199-211. Broadcasting with a Bounded Fraction of Faulty Nodes. Journal of Parallel and Distributed 173 2.7 4 Computing, 1997, 42, 11-20. Approximation Algorithms for Broadcasting and Gossiping. Journal of Parallel and Distributed Computing, 1997, 43, 47-55. 174 Communication Complexity of Gossiping by Packets. Journal of Parallel and Distributed Computing, 175 2.7 6 1997, 45, 73-81. The exact gossiping problem. Discrete Mathematics, 1997, 163, 165-172. 0.4 177 Locating group members in a mobile environment. Information Sciences, 1997, 100, 49-62. 4.0 1 Broadcasting in unlabeled hypercubes with a linear number of messages. Information Processing Letters, 1998, 66, 181-186. Broadcasting in hypercubes and star graphs with dynamic faults. Information Processing Letters, 1998, 179 0.4 21 66, 321-326. Hierarchical broadcast networks. Information Processing Letters, 1998, 68, 303-305.

#	Article	IF	CITATIONS
181	Strategies for Path-Based Multicasting in Wormhole-Routed Meshes. Journal of Parallel and Distributed Computing, 1998, 53, 26-62.	2.7	37
182	Packet Routing in Fixed-Connection Networks: A Survey. Journal of Parallel and Distributed Computing, 1998, 54, 77-132.	2.7	69
183	Communication complexity of fault-tolerant information diffusion. Theoretical Computer Science, 1998, 209, 195-211.	0.5	2
184	Wormhole broadcast in star graph networks. Parallel Computing, 1998, 24, 1263-1276.	1.3	3
185	Reliable broadcasting in product networks. Discrete Applied Mathematics, 1998, 83, 3-20.	0.5	49
186	Spanning subgraphs with applications to communication on a subclass of the Cayley-graph-based networks. Discrete Applied Mathematics, 1998, 83, 79-96.	0.5	11
187	Minimum time broadcast in faulty star networks. Discrete Applied Mathematics, 1998, 83, 97-119.	0.5	6
188	Broadcasting with linearly bounded transmission faults. Discrete Applied Mathematics, 1998, 83, 121-133.	0.5	11
189	The complexity of broadcasting in planar and decomposable graphs. Discrete Applied Mathematics, 1998, 83, 179-206.	0.5	12
190	Broadcasting and gossiping on de Bruijn, shuffle-exchange and similar networks. Discrete Applied Mathematics, 1998, 83, 247-262.	0.5	10
191	Optimal sequential gossiping by short messages. Discrete Applied Mathematics, 1998, 86, 145-155.	0.5	15
192	Perfect broadcasting in unlabeled networks. Discrete Applied Mathematics, 1998, 87, 33-47.	0.5	7
193	Time and Cost Trade-Offs in Gossiping. SIAM Journal on Discrete Mathematics, 1998, 11, 400-413.	0.4	12
194	Fast Gossiping by Short Messages. SIAM Journal on Computing, 1998, 27, 917-941.	0.8	31
195	Optimized broadcasting and multicasting protocols in cut-through routed networks. IEEE Transactions on Parallel and Distributed Systems, 1998, 9, 788-802.	4.0	11
197	Multicasting in heterogeneous networks. , 1998, , .		54
198	A general theory for deadlock avoidance in wormhole-routed networks. IEEE Transactions on Parallel and Distributed Systems, 1998, 9, 626-638.	4.0	62
199	TOPOLOGICAL CONSTRAINTS FOR SENSE OF DIRECTION. International Journal of Foundations of Computer Science, 1998, 09, 179-197.	0.8	7

ARTICLE IF CITATIONS NETWORK PROPERTIES OF DOUBLE AND TRIPLE FIXED STEP GRAPHS. International Journal of Foundations 200 0.8 23 of Computer Science, 1998, 09, 57-76. Communication in the Two-Way Listen-in Vertex-Disjoint Paths Mode. Lecture Notes in Computer 1.0 Science, 1998, , 38-49. Optimal broadcasting in almost trees and partial k-trees. Lecture Notes in Computer Science, 1998, , 202 1.0 6 432-443. Concurrent multicast in weighted networks. Lecture Notes in Computer Science, 1998, , 193-204. Neighbourhood Gossiping in Hypercubes. Parallel Processing Letters, 1998, 08, 189-195. 204 0.4 13 Interconnection Networks., 0, , 53-90. COMPARISON OF HEURISTICS FOR ONE-TO-ALL AND ALL-TO-ALL COMMUNICATIONS IN PARTIAL MESHES. 206 0.4 20 Parallel Processing Letters, 1999, 09, 9-20. ON BROADCASTING TIME. Parallel Processing Letters, 1999, 09, 3-8. 0.4 Broadcasting multiple messages in the multiport model. IEEE Transactions on Parallel and Distributed 208 4.0 10 Systems, 1999, 10, 500-508. Minimizing broadcast costs under edge reductions in tree networks. Discrete Applied Mathematics, 209 1999, 91, 93-117. Compound constructions of broadcast networks. Discrete Applied Mathematics, 1999, 93, 205-232. 210 0.5 25 Optimal point-to-point broadcast algorithms via lopsided trees. Discrete Applied Mathematics, 1999, 93, 233-263. More broadcast graphs. Discrete Applied Mathematics, 1999, 98, 81-102. 0.5 34 One-to-all broadcast algorithm for constant degree 4 Cayley graphs. Parallel Computing, 1999, 25, 1.3 249-264. Scattering and multi-scattering in trees and meshes, with local routing and without buffering. 1.3 1 Parallel Computing, 1999, 25, 1035-1057. Ring, torus and hypercube architectures/algorithms for parallel computing. Parallel Computing, 1999, 25, 1877-1906. Optimal and Near-Optimal Algorithms fork-Item Broadcast. Journal of Parallel and Distributed 20 2.7 Computing, 1999, 57, 121-139. An Optimal Algorithm for Broadcasting Multiple Messages in Trees. Journal of Parallel and Distributed Computing, 1999, 59, 465-474.

CITATION REPORT

211

212

214

216

#

#	Article	IF	CITATIONS
218	Resource discovery in distributed networks. , 1999, , .		132
219	Sparse hypercube-a minimal k-line broadcast graph. , 0, , .		Ο
221	A network measurement architecture for adaptive applications. , 0, , .		70
222	Source-limited inclusive routing: A new paradigm for multicast communication. Networks, 2000, 35, 40-55.	1.6	0
223	Optimal Broadcasting in Faulty Trees. Journal of Parallel and Distributed Computing, 2000, 60, 566-584.	2.7	3
224	Hierarchical broadcast and gossip networks. Information Processing Letters, 2000, 73, 131-136.	0.4	2
225	Efficient collective communication in optical networks. Theoretical Computer Science, 2000, 233, 165-189.	0.5	51
226	On the structure of minimum broadcast digraphs. Theoretical Computer Science, 2000, 245, 203-216.	0.5	2
227	Optimal multiple message broadcasting in telephone-like communication systems. Discrete Applied Mathematics, 2000, 100, 1-15.	0.5	22
228	A library of static and dynamic communication algorithms for parallel computation. Telecommunication Systems, 2000, 13, 3-20.	1.6	1
229	OPTIMAL ORIENTATIONS OF ANNULAR NETWORKS. Journal of Interconnection Networks, 2000, 01, 21-46.	0.6	2
230	Broadcasting under network ignorance scenario. , 2000, , .		0
231	TIGHTER TIME BOUNDS ON BROADCASTING IN TORUS NETWORKS IN PRESENCE OF DYNAMIC FAULTS. Parallel Processing Letters, 2000, 10, 39-49.	0.4	8
232	Randomized rumor spreading. , 0, , .		319
233	Connectivity and inference problems for temporal networks. , 2000, , .		125
234	Message Multicasting in Heterogeneous Networks. SIAM Journal on Computing, 2000, 30, 347-358.	0.8	52
235	Broadcasting in hypercubes in the circuit switched model. , 0, , .		4
236	Agent-based resource discovery. , 0, , .		21

#	Article	IF	CITATIONS
237	Reduction optimization in heterogeneous cluster environments. , 0, , .		6
238	An asymptotically multi-layered decentralized consensus protocol with an initiator. , 0, , .		1
239	Neighbourhood information dissemination in the star graph. IEEE Transactions on Computers, 2000, 49, 1366-1370.	2.4	13
240	Optimal Adaptive Broadcasting with a Bounded Fraction of Faulty Nodes. Algorithmica, 2000, 28, 37-50.	1.0	12
241	Optimally balanced spanning tree of the star network. IEEE Transactions on Computers, 2001, 50, 88-91.	2.4	8
242	Service discovery in DEAPspace. IEEE Personal Communications, 2001, 8, 39-45.	4.5	152
243	On the Optimality of General Lower Bounds for Broadcasting and Gossiping. SIAM Journal on Discrete Mathematics, 2001, 14, 267-282.	0.4	5
244	Data dissemination approaches for performance discovery in grid computing systems. , 0, , .		6
245	Log-time multicast to local vertices in the star graph. , 0, , .		1
246	Distributed Micro Flow-Sensor Network Design and Modeling. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 127-132.	0.4	1
247	Interval routing schemes allow broadcasting with linear message-complexity. Distributed Computing, 2001, 14, 217-229.	0.7	7
248	Efficient line broadcasting in a d-dimensional grid. Discrete Applied Mathematics, 2001, 113, 129-141.	0.5	2
249	Concurrent multicast in weighted networks. Theoretical Computer Science, 2001, 259, 359-377.	0.5	1
250	Communication in the two-way listen-in vertex-disjoint paths mode. Theoretical Computer Science, 2001, 264, 65-90.	0.5	0
251	A minimum broadcast graph on 26 vertices. Applied Mathematics Letters, 2001, 14, 1023-1026.	1.5	16
252	Improved upper and lower bounds fork-broadcasting. Networks, 2001, 37, 94-101.	1.6	20
253	An algorithm for constructing minimalc-broadcast networks. Networks, 2001, 38, 6-21.	1.6	7
254	Efficient communication in unknown networks. Networks, 2001, 38, 39-49.	1.6	7

		CITATION RE	PORT	
#	Article		IF	CITATIONS
255	Minimum linear gossip graphs and maximal linear (?,k)-gossip graphs. Networks, 2001,	38, 150-162.	1.6	30
256	k-Broadcasting in trees. Networks, 2001, 38, 163-168.		1.6	16
257	Distributed Probabilistic Polling and Applications to Proportionate Agreement. Informat Computation, 2001, 171, 248-268.	ion and	0.5	69
258	Neighborhood Communications in Networks. Electronic Notes in Discrete Mathematics 103-108.	, 2001, 10,	0.4	4
259	On single-port multinode broadcasting. , 0, , .			1
261	Tradeoffs between knowledge and time of communication in geometric radio networks	.,2001,,.		19
262	TIGHT BOUNDS FOR BROADCASTING IN THE LINEAR COST MODEL. Journal of Intercont 2001, 02, 175-188.	nection Networks,	0.6	3
263	Spatial gossip and resource location protocols. , 2001, , .			144
265	Gossiping in the multicasting communication environment. , 0, , .			2
266	Distributed coloring and communication in rings with local knowledge. , 0, , .			0
267	Protocols and impossibility results for gossip-based communication mechanisms. , 0, , .			48
268	OPTIMAL BROADCASTING IN TORI WITH DYNAMIC FAULTS. Parallel Processing Letters,	2002, 12, 17-22.	0.4	17
269	Group collaboration for Mars rover mission operations. , 0, , .			4
270	Combinatorial logarithmic approximation algorithm for directed telephone broadcast p 2002, , .	roblem. ,		31
271	Routing with Guaranteed Delivery in Geometric and Wireless Networks. , 0, , 393-406.			29
272	Broadcasting in Radio Networks. , 0, , 509-528.			19
273	On the asymptotical optimality of multilayered decentralized consensus protocol. IEEE on Parallel and Distributed Systems, 2002, 13, 769-786.	Transactions	4.0	1
274	Fast gossiping in square meshes/tori with bounded-size packets. IEEE Transactions on F Distributed Systems, 2002, 13, 349-358.	arallel and	4.0	7

# 276	ARTICLE Oblivious Gossiping on Tori. Journal of Algorithms, 2002, 42, 1-19.	IF 0.9	CITATIONS
277	Broadcast Scheduling Optimization for Heterogeneous Cluster Systems. Journal of Algorithms, 2002, 42, 135-152.	0.9	30
278	Connectivity and Inference Problems for Temporal Networks. Journal of Computer and System Sciences, 2002, 64, 820-842.	0.9	214
279	Oriented hypercubes. Networks, 2002, 39, 98-106.	1.6	3
280	Deterministic radio broadcasting at low cost. Networks, 2002, 39, 88-97.	1.6	5
281	Degree- and time-constrained broadcast networks. Networks, 2002, 39, 121-129.	1.6	2
282	Polynomial-Time Algorithms for Minimum-Time Broadcast in Trees. Theory of Computing Systems, 2002, 35, 641-665.	0.7	3
283	Wireless sensor networks: a survey. Computer Networks, 2002, 38, 393-422.	3.2	13,806
284	Influence Digraphs Induced by Time-Stamped Graphs (Extended Abstract). Electronic Notes in Discrete Mathematics, 2002, 11, 128-139.	0.4	0
285	Optimal broadcasting and gossiping in one-port meshes of trees with distance-insensitive routing. Parallel Computing, 2002, 28, 627-647.	1.3	3
286	Verifiable broadcasting and gossiping in communication networks. Discrete Applied Mathematics, 2002, 118, 293-298.	0.5	4
287	Orientations of digraphs almost preserving diameter. Discrete Applied Mathematics, 2002, 121, 129-138.	0.5	12
288	Cossip is synteny: Incomplete gossip and the syntenic distance between genomes. Journal of Algorithms, 2002, 43, 264-283.	0.9	12
289	Recognizing Knödel graphs. Discrete Mathematics, 2002, 250, 41-62.	0.4	5
290	A survey on sensor networks. , 2002, 40, 102-114.		10,736
291	Negotiation-Based Protocols for Disseminating Information in Wireless Sensor Networks. Wireless Networks, 2002, 8, 169-185.	2.0	795
292	Communication-Efficient Broadcasting in Complete Networks with Dynamic Faults. Theory of Computing Systems, 2003, 36, 695-709.	0.7	4
293	On the monotonicity of the broadcast function. Discrete Mathematics, 2003, 262, 149-157.	0.4	19

	CITATION	Report	
#	Article	IF	Citations
294	Sparse Hypercube—a minimal k-line broadcast graph. Discrete Applied Mathematics, 2003, 127, 431-446.	0.5	1
295	Time-stamped graphs and their associated influence digraphs. Discrete Applied Mathematics, 2003, 128, 317-335.	0.5	21
296	Expected value expansions in rooted graphs. Discrete Applied Mathematics, 2003, 128, 555-571.	0.5	6
297	Deterministic broadcasting time with partial knowledge of the network. Theoretical Computer Science, 2003, 290, 2009-2020.	0.5	1
298	Optimal gossiping in paths and cycles. Journal of Discrete Algorithms, 2003, 1, 461-475.	0.7	3
299	Renewal processes on partially ordered sets. Random Structures and Algorithms, 2003, 22, 15-32.	0.6	0
300	An Optimal Family of Directed, Bounded-Degree Broadcast Networks. Electronic Notes in Theoretical Computer Science, 2003, 78, 196-208.	0.9	0
301	A heuristic for k-broadcasting in arbitrary networks. , 0, , .		3
302	Gossip-based computation of aggregate information. , 0, , .		728
303	An efficient algorithm for gossiping in the multicasting communication environment. IEEE Transactions on Parallel and Distributed Systems, 2003, 14, 701-708.	4.0	9
304	A methodology for devising optimal all-port all-to-all broadcast algorithms in 2-dimensional tori. , 0, ,		1
305	Dynamic probabilistic broadcasting in mobile ad hoc networks. , 2003, , .		23
306	Self-nominating: a robust affordable routing for wireless sensor networks. , 2003, , .		3
307	Forwarding plane flooding. , 0, , .		1
308	Communication strategies for heartbeat-style failure detectors in wireless ad hoc networks. , 0, , .		12
309	Optimal Neighborhood Broadcast in Star Graphs. Journal of Interconnection Networks, 2003, 04, 419-428.	0.6	6
310	MESSY BROADCASTING IN MULTIDIMENSIONAL DIRECTED TORI. Journal of Interconnection Networks, 2003, 04, 37-51.	0.6	5
311	An optimal broadcasting schema for multidimensional mesh structures. , 2003, , .		4

#	Article	IF	CITATIONS
312	A cognitive framework for performance/resilience optimized multipath routing in networks with unstable topologies. , 0, , .		2
313	Algorithms for data migration with cloning. , 2003, , .		42
314	Improved approximation algorithms for the freeze-tag problem. , 2003, , .		14
315	Power-efficient communication algorithms for wireless mobile sensor networks. , 2004, , .		9
316	Spatial gossip and resource location protocols. Journal of the ACM, 2004, 51, 943-967.	1.8	101
317	Priority based channel assignment with pair-wise listen and sleep scheduling for wireless sensor networks. , 0, , .		1
318	Distributed Colouring and Communication in Rings with Local Knowledge. Combinatorics Probability and Computing, 2004, 13, 123-136.	0.8	1
320	Communication Protocols for Sensor Nerworks. , 2004, , 21-50.		9
321	Information diffusion through blogspace. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2004, 6, 43-52.	3.2	284
322	A Bluetooth Based Sensor Network for Civil Infrastructure Health Monitoring. Wireless Networks, 2004, 10, 401-412.	2.0	34
323	Routing techniques in wireless sensor networks: a survey. IEEE Wireless Communications, 2004, 11, 6-28.	6.6	3,290
324	A note on line broadcast in digraphs under the edge-disjoint paths mode. Discrete Applied Mathematics, 2004, 144, 320-323.	0.5	0
325	Gossiping and broadcasting versus computing functions in networks. Discrete Applied Mathematics, 2004, 137, 127-153.	0.5	11
326	Dynamic faults have small effect on broadcasting in hypercubes. Discrete Applied Mathematics, 2004, 137, 155-158.	0.5	6
327	A survey on Knödel graphs. Discrete Applied Mathematics, 2004, 137, 173-195.	0.5	42
328	Algorithms for graphs with small octopus. Discrete Applied Mathematics, 2004, 134, 105-128.	0.5	4
329	AT-free graphs: linear bounds for the oriented diameter. Discrete Applied Mathematics, 2004, 141, 135-148.	0.5	19
330	Complexity of approximating the oriented diameter of chordal graphs. Journal of Graph Theory, 2004, 45, 255-269.	0.5	21

#	Article	IF	CITATIONS
331	Minimal path broadcast networks. Networks, 2004, 43, 61-70.	1.6	2
332	A randomized algorithm for gossiping in radio networks. Networks, 2004, 43, 119-124.	1.6	18
333	On maximal instances for the original syntenic distance. Theoretical Computer Science, 2004, 326, 29-43.	0.5	3
334	Broadcast time and connectivity. Discrete Applied Mathematics, 2004, 143, 359-363.	0.5	0
335	SELAR: scalable energy-efficient location aided routing protocol for wireless sensor networks. , 0, , .		26
336	Monitoring wireless sensor networks by heterogeneous collaborative groupware. , 0, , .		11
337	The join problem in dynamic network algorithms. , 2004, , .		4
338	Approximation and heuristic algorithms for minimum delay application-layer multicast trees. , 0, , .		54
339	Theoretical and Experimental Analysis of Heuristics for the "Freeze-Tag―Robot Awakening Problem. Journal of the American College of Radiology, 2004, 20, 691-701.	0.9	6
340	Orderly broadcasting in a 2D Torus. , 0, , .		1
341	Fault tolerant algorithms for network-on-chip interconnect. , 0, , .		131
342	Flossiping: a new routing protocol for wireless sensor networks. , 0, , .		13
343	Power efficient communication protocols for data gathering on mobile sensor networks. , 0, , .		14
344	Algorithms for Data Migration with Cloning. SIAM Journal on Computing, 2004, 33, 448-461.	0.8	27
345	Lower Bounds on the Broadcasting and Gossiping Time of Restricted Protocols. SIAM Journal on Discrete Mathematics, 2004, 17, 521-540.	0.4	6
346	A Real-World, Simple Wireless Sensor Network for Monitoring Electrical Energy Consumption. Lecture Notes in Computer Science, 2004, , 339-352.	1.0	15
347	On route exploration capabilities of multi-path routing in variable topology ad hoc networks. , 0, , .		0
348	Minimal broadcasting schemas for the mesh structures. International Journal of High Performance Computing and Networking, 2004, 2, 210.	0.4	1

#	Article	IF	CITATIONS
349	Fast Broadcasting with Byzantine Faults. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 287-292.	0.4	0
350	Adaptive Service Placement Algorithms for Autonomous Service Networks. Lecture Notes in Computer Science, 2005, , 280-297.	1.0	8
351	COLLABORATIVE COMMUNICATION PROTOCOLS FOR DISTRIBUTED MICROSENSOR NETWORK SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 153-158.	0.4	2
352	Multiâ€criteria routing in wireless sensorâ€based pervasive environments. International Journal of Pervasive Computing and Communications, 2005, 1, 313-326.	1.1	14
353	Dynamic probabilistic broadcasting in MANETs. Journal of Parallel and Distributed Computing, 2005, 65, 220-233.	2.7	176
354	Lower bounds on systolic gossip. Information and Computation, 2005, 196, 71-94.	0.5	5
355	Stability and Capacity of Regular Wireless Networks. IEEE Transactions on Information Theory, 2005, 51, 1938-1953.	1.5	42
356	All-port line broadcasting in highly connected graphs. Networks, 2005, 45, 95-103.	1.6	0
357	Optimal broadcasting with universal lists based on competitive analysis. Networks, 2005, 45, 224-231.	1.6	5
358	Reliable broadcasting in double loop networks. Networks, 2005, 46, 88-97.	1.6	7
359	Broadcast scheduling for wide-area parallel distributed systems. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai) Tj ETQqO O 0 rgBT /C)vændock 1	01∫f 50 337
360	Efficient trigger-broadcasting in heterogeneous clusters. Journal of Parallel and Distributed Computing, 2005, 65, 628-642.	2.7	5
361	A survey on routing protocols for wireless sensor networks. Ad Hoc Networks, 2005, 3, 325-349.	3.4	2,825
363	Data Management for Wireless Sensor Networks: Research Issues and Challenges. , 0, , .		31
364	Broadcasting on networks of workstations. , 2005, , .		3
365	Optimistic replication. ACM Computing Surveys, 2005, 37, 42-81.	16.1	470
366	Geographic grid routing for wireless sensor networks. , 0, , .		8
367	Multi-criteria routing in pervasive environment with sensors. , 0, , .		2

#	Article	IF	CITATIONS
368	A Combinatorial Logarithmic Approximation Algorithm for the Directed Telephone Broadcast Problem. SIAM Journal on Computing, 2005, 35, 672-689.	0.8	24
369	On Two Properties of the Minimum Broadcast Time Function. , 0, , .		2
370	An Efficient Distributed Protocol for Online Gossiping Problem. , 0, , .		0
371	Gossip algorithms: design, analysis and applications. , 0, , .		314
372	STATION PLACEMENT IN NETWORKS. Parallel Processing Letters, 2005, 15, 117-129.	0.4	3
373	Energy- and Performance-Driven NoC Communication Architecture Synthesis Using a Decomposition Approach. , 0, , .		68
375	Directed Flooding: A Fault-Tolerant Routing Protocol for Wireless Sensor Networks. , 0, , .		15
376	A Context-Aware Data Forwarding Algorithm in Sensor Networks. , 0, , .		3
377	Energy efficient routing algorithms for application to agro-food wireless sensor networks. , 0, , .		22
378	Scheduling Problems for a Class of Parallel Distributed Systems. , 0, , .		4
379	Network coding for efficient communication in extreme networks. , 2005, , .		258
381	A general approach for all-to-all routing in multihop WDM optical networks. IEEE/ACM Transactions on Networking, 2006, 14, 914-923.	2.6	28
382	On collaborative content distribution using multi-message gossip. , 2006, , .		12
383	Congestion Avoidance Based on Lightweight Buffer Management in Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2006, 17, 934-946.	4.0	114
384	An Empirical Evaluation of the Student-Net Delay Tolerant Network. , 2006, , .		1
385	ELRS: an energy-efficient layered routing scheme for wireless sensor and actor networks. , 2006, , .		4
387	Continuous vs. Event Driven Routing Protocols for WSNs in Healthcare Environments. , 2006, , .		3
388	An Empirical Evaluation of the Student-Net Delay Tolerant Network. , 2006, , .		17

# 389	ARTICLE Broadcasting in Optimal Bipartite Double Loop Graphs. , 0, , .	IF	CITATIONS
390	Ecoinformatics using wireless sensor networks: An overview. Ecological Informatics, 2006, 1, 287-293.	2.3	36
391	Resource Discovery in Networks under Bandwidth Limitations. , 2006, , .		0
392	Finding Agent-Based Energy-Efficient Routing in Sensor Networks using Parallel Genetic Algorithm. , 2006, , .		4
393	Performance evaluation of a routing protocol for wireless sensor networks. , 2006, , .		7
394	Overview of Communication Protocols for Sensor Networks. , 2006, , 4-1-4-16.		4
395	Locating hot nodes and data routing for efficient decision fusion in sensor networks. Ad Hoc Networks, 2006, 4, 416-430.	3.4	2
396	An efficient heuristic for broadcasting in networks. Journal of Parallel and Distributed Computing, 2006, 66, 68-76.	2.7	30
397	On generalized gossiping and broadcasting. Journal of Algorithms, 2006, 59, 81-106.	0.9	18
398	Sublogarithmic approximation for telephone multicast. Journal of Computer and System Sciences, 2006, 72, 648-659.	0.9	21
399	The algorithm of pipelined gossiping. Journal of Systems Architecture, 2006, 52, 235-256.	2.5	4
400	An online distributed gossiping protocol for mobile networks. Journal of Combinatorial Optimization, 2006, 11, 87-97.	0.8	4
401	An Approximation Algorithm for the Directed Telephone Multicast Problem. Algorithmica, 2006, 45, 569-583.	1.0	9
402	The Freeze-Tag Problem: How to Wake Up a Swarm of Robots. Algorithmica, 2006, 46, 193-221.	1.0	11
403	The structure of information networks. Economic Theory, 2006, 30, 119-134.	0.5	7
404	Energy efficient information dissemination protocols by negotiation for wireless sensor networks. Computer Communications, 2006, 29, 2136-2149.	3.1	12
405	On the number of broadcast schemes in networks. Information Processing Letters, 2006, 100, 188-193.	0.4	0
406	Robust gossiping with an application to consensus. Journal of Computer and System Sciences, 2006, 72, 1262-1281.	0.9	37

	CITATION RI	EPORT	
#	Article	IF	CITATIONS
407	Broadcast in the rendezvous model. Information and Computation, 2006, 204, 697-712.	0.5	4
408	Randomized gossip algorithms. IEEE Transactions on Information Theory, 2006, 52, 2508-2530.	1.5	1,657
409	Minimum multiple message broadcast graphs. Networks, 2006, 47, 218-224.	1.6	17
410	Variable-base tacit communication. , 2006, , .		22
411	Data gathering tours in sensor networks. , 2006, , .		30
412	Computation and communication refinement for multiprocessor SoC design. ACM Transactions on Design Automation of Electronic Systems, 2006, 11, 564-592.	1.9	22
414	Efficiency of information spreading in a population of diffusing agents. Physical Review E, 2006, 73, 046138.	0.8	38
416	Resilient multicast using overlays. IEEE/ACM Transactions on Networking, 2006, 14, 237-248.	2.6	95
417	Data Synchronization Methods Based on ShuffleNet and Hypercube for Networked Information Systems. , 2006, , .		0
418	Analysis of gossip performance with copulas. , 2006, , .		1
419	FAST BROADCASTING WITH BYZANTINE FAULTS. International Journal of Foundations of Computer Science, 2006, 17, 1423-1439.	0.8	10
420	A Segment Transmission Secure Routing Protocol for Wireless Sensor Networks. , 2006, , .		4
421	Hierarchical spatial gossip for multi-resolution representations in sensor networks. , 2007, , .		20
422	Design of efficient routing method for USN based Large-scale Glass Greenhouses. , 2007, , .		1
423	A Novel Overlay-Based Failure Detection Architecture for MANET Applications. Networks, 2008 ICON 2008 16th IEEE International Conference on, 2007, , .	0.0	7
424	An Event-Detection Estimation Model for Hybrid Adaptive Routing in WSNs. , 2007, , .		4
425	Energy Efficient Routing. , 2007, , 167-188.		0
426	A generic theoretical framework for modeling gossip-based algorithms. Operating Systems Review (ACM), 2007, 41, 19-27.	1.5	12

#	Article	IF	CITATIONS
427	Hierarchical Spatial Gossip for Multi-Resolution Representations in Sensor Networks. , 2007, , .		8
428	Approximation and Heuristic Algorithms for Minimum-Delay Application-Layer Multicast Trees. IEEE/ACM Transactions on Networking, 2007, 15, 473-484.	2.6	40
429	A study of dynamics and communication mechanism for ICPF actuating tortoise-like micro-robot. , 2007, , .		0
430	Scalable and Reliable Sensor Network Routing: Performance Study from Field Deployment. , 2007, , .		34
431	Lexicographic Maxmin Fairness for Data Collection in Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2007, 6, 762-776.	3.9	56
432	Optimizing Peer-to-Peer content discovery over wireless mobile ad hoc networks. , 2007, , .		8
433	New Construction of Broardcast Graphs. Proceedings / International Conference on Information Visualisation, 2007, , .	0.0	1
434	A General Combinatorial Ant System-based Distributed Routing Algorithm for Communication Networks. IEEE Latin America Transactions, 2007, 5, 616-625.	1.2	2
436	Wireless Personal Area Networks: Low Rate and High Rate. , 2007, , 675-712.		5
439	Optimal gossiping in square 2D meshes. Theoretical Computer Science, 2007, 384, 263-286.	0.5	Ο
440	The multiple originator broadcasting problem in graphs. Discrete Applied Mathematics, 2007, 155, 1188-1199.	0.5	4
441	A generalized broadcasting schema for the mesh structures. Applied Mathematics and Computation, 2007, 186, 1293-1310.	1.4	8
442	On collaborative content distribution using multi-message gossip. Journal of Parallel and Distributed Computing, 2007, 67, 1232-1239.	2.7	10
443	Distributed clustering algorithms for data-gathering in wireless mobile sensor networks. Journal of Parallel and Distributed Computing, 2007, 67, 1187-1200.	2.7	99
444	Toward adaptive query processing in wireless sensor networks. Signal Processing, 2007, 87, 2911-2933.	2.1	17
445	A decentralized model of information pricing in networks. Journal of Economic Theory, 2007, 136, 497-512.	0.5	8
446	Broadcasting in Heterogeneous Networks. Algorithmica, 2007, 48, 1-21.	1.0	14
447	On broadcasting in unicyclic graphs. Journal of Combinatorial Optimization, 2008, 16, 307-322.	0.8	27

	CITATION	LEPUKI	
#	Article	IF	CITATIONS
448	Optimal scheduling of peer-to-peer file dissemination. Journal of Scheduling, 2008, 11, 105-120.	1.3	77
449	Performance evaluation of wireless sensor network protocols for industrial applications. Journal of Intelligent Manufacturing, 2008, 19, 335-345.	4.4	40
450	An adaptive in-network aggregation operator for query processing in wireless sensor networks. Journal of Systems and Software, 2008, 81, 328-342.	3.3	35
451	Optimal broadcast for fully connected processor-node networks. Journal of Parallel and Distributed Computing, 2008, 68, 887-901.	2.7	23
452	A polynomial algorithm to compute the minimum degree spanning trees of directed acyclic graphs with applications to the broadcast problem. Discrete Mathematics, 2008, 308, 3951-3959.	0.4	5
453	A Study on Gossiping in Transportation Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 2602-2607.	3.9	5
454	Exact Pairwise Error Probability for Block-Fading MIMO OFDM Systems. IEEE Transactions on Vehicular Technology, 2008, 57, 2607-2611.	3.9	9
455	Location Service, Information Dissemination and Object Tracking in Wireless Sensor Networks by Using Quorum Methods. Signals and Communication Technology, 2008, , 235-258.	0.4	3
456	A Review of Routing Protocols in Wireless Sensor Networks. , 2008, , .		9
457	Efficient Broadcasting in Networks with Weighted Nodes. , 2008, , .		4
458	An NoC Test Strategy Based on Flooding with Power, Test Time and Coverage Considerations. , 2008, , .		5
459	Neighborhood Broadcasting in Hypercubes. SIAM Journal on Discrete Mathematics, 2008, 21, 823-843.	0.4	6
460	Dynamic Intermediate Node Algorithm (DINA); a novel fault tolerance routing methodology for NoC's. , 2008, , .		4
461	Swarming on Optimized Graphs for n-Way Broadcast. , 2008, , .		6
462	Self-Adaptive Dissemination of Data in Dynamic Sensor Networks. , 2008, , .		1
463	An Efficient Vertex Addition Method for Broadcast Networks. Internet Mathematics, 2008, 5, 211-225.	0.7	21
464	New Properties for Broadcasting in KG2k. , 2008, , .		0
465	Near Optimal Broadcasting in Optimal Triple Loop Graphs. , 2008, , .		0

#	Article	IF	CITATIONS
466	Analysis and optimization of prediction-based flow control in networks-on-chip. ACM Transactions on Design Automation of Electronic Systems, 2008, 13, 1-28.	1.9	25
467	AVERAGE-CASE "MESSY" BROADCASTING. Journal of Interconnection Networks, 2008, 09, 487-505.	0.6	2
468	Flooding time in edge-Markovian dynamic graphs. , 2008, , .		66
469	Broadcasting in Weighted-Vertex Graphs. , 2008, , .		4
470	An improved LEACH-based power aware routing protocol in wireless sensor networks. , 2008, , .		2
471	A Profound Survey of Sensor Networks & Related Routing Protocols. , 2008, , .		0
472	The Research on Reliability of Wireless Sensors Network. , 2008, , .		3
473	Energy-Efficient Dynamic Clustering Algorithm in Wireless Sensor Networks. , 2008, , .		3
474	An Overview of Routing Protocols of Sensor Networks. , 2008, , .		2
475	A novel reliable routing algorithm for network on chips. , 2008, , .		3
476	The Research on Wireless Sensors Network Reliability. , 2008, , .		2
477	Coverage Area Computation on the Run for Efficient Sensor Data Collection. , 2008, , .		0
478	Energy-efficient image transmission in sensor networks. International Journal of Sensor Networks, 2008, 4, 37.	0.2	63
479	A hierarchical clustering-based routing protocol for wireless sensor networks supporting multiple data aggregation qualities. International Journal of Sensor Networks, 2008, 4, 79.	0.2	21
480	Swarming on Optimized Graphs for n-Way Broadcast. , 2008, , .		0
481	Energy Efficient Greedy Approach for Sensor Networks. , 2008, , .		3
482	Information spreading in stationary Markovian evolving graphs. , 2009, , .		39
483	Broadcasting Multiple Messages Using Cycle-Rooted Trees. , 2009, , .		0

#	Article	IF	CITATIONS
484	On the hierarchical product of graphs and the generalized binomial tree. Linear and Multilinear Algebra, 2009, 57, 695-712.	0.5	11
485	DOCW: Dynamic overlapping contention window algorithm of wireless sensor networks. , 2009, , .		0
486	An Improved Gossiping Data Distribution Technique with Emphasis on Reliability and Resource Constraints. , 2009, , .		11
487	Dynamic Resiliency Analysis of Key Predistribution in Wireless Sensor Networks. , 2009, , .		0
488	An Energy-Related Routing Protocol of Minimum-Hop Layer in Wireless Sensor Networks. , 2009, , .		3
489	Broadcasting in necklace graphs. , 2009, , .		3
490	Parsimonious flooding in dynamic graphs. , 2009, , .		44
491	A Hybrid Adaptive Routing Algorithm for Event-Driven Wireless Sensor Networks. Sensors, 2009, 9, 7287-7307.	2.1	12
492	New bounds on the minimum number of calls in failureâ€ŧolerant gossiping. Networks, 2009, 53, 35-38.	1.6	5
493	A linear algorithm for finding the <i>k</i> â€broadcast center of a tree. Networks, 2009, 53, 287-292.	1.6	10
494	An Approximation Algorithm and Dynamic Programming for Reduction in Heterogeneous Environments. Algorithmica, 2009, 53, 425-453.	1.0	3
495	Node discovery in networks. Journal of Parallel and Distributed Computing, 2009, 69, 337-348.	2.7	7
496	Rapid almost-complete broadcasting in faulty networks. Theoretical Computer Science, 2009, 410, 1377-1387.	0.5	1
497	Spreading messages. Theoretical Computer Science, 2009, 410, 2714-2724.	0.5	23
498	Enhancing peer-to-peer content discovery techniques over mobile ad hoc networks. Computer Communications, 2009, 32, 1445-1459.	3.1	54
499	Broadcasting from multiple originators. Discrete Applied Mathematics, 2009, 157, 2886-2891.	0.5	3
500	The generalized hierarchical product of graphs. Discrete Mathematics, 2009, 309, 3871-3881.	0.4	50
501	Cayley graphs as classifiers for data mining: The influence of asymmetries. Discrete Mathematics, 2009, 309, 5360-5369.	0.4	149

#	Article	IF	Citations
502	Quasirandom Rumor Spreading on Expanders. Electronic Notes in Discrete Mathematics, 2009, 34, 243-247.	0.4	6
503	Simulation and Research on Data Fusion Algorithm of the Wireless Sensor Network Based on NS2. , 2009, , .		8
504	An efficient energy aware routing protocol for real time traffic in wireless sensor networks. , 2009, ,		5
505	Flooding and Directed Diffusion Routing Algorithm in Wireless Sensor Networks. , 2009, , .		15
506	Sensors and Sensor Networks. , 2009, , 333-348.		4
507	Congestion and Flow Control in Wireless Sensor Networks. Computer Communications and Networks, 2009, , 205-238.	0.8	3
508	Distributed Adaptive Protocols for Information Dissemination in Large-Scale Communication Systems. , 2009, , .		0
509	Broadcasting in Fully Connected Trees. , 2009, , .		7
510	Semantics and routing in wireless sensor networks: Challenges and opportunities. , 2009, , .		6
511	A new routing algorithm for energy reduction in wireless sensor networks. , 2009, , .		14
512	Adaptable Protocol for Time Critical Information Dissemination via Negotiation in Large Scale Wireless Sensor Network. , 2009, , .		1
513	Secure Routing Algorithm Based on Power-Efficient for Wireless Sensor Networks. , 2009, , .		0
514	Provisioning geographic data-centric dissemination in Wireless Sensor Networks. , 2009, , .		0
515	On the Size of Permutation Networks and Consequences for Efficient Simulation of Hypercube Algorithms on Bounded-Degree Networks. SIAM Journal on Discrete Mathematics, 2009, 23, 1612-1645.	0.4	0
516	Contour Guided Dissemination for Networked Embedded Systems. International Journal of Distributed Sensor Networks, 2009, 5, 502-530.	1.3	2
517	Agent-based Energy-efficient Routing algorithm in wireless sensor networks. , 2010, , .		0
518	Research of DPRP routing protocols in the precision-attack efficiency evaluation system. , 2010, , .		0
519	Broadcasting on Networks of Workstations. Algorithmica, 2010, 57, 848-868.	1.0	2

	CITATION R	Citation Report	
#	Article	IF	CITATIONS
520	Gossiping and routing in undirected triple-loop networks. Networks, 2010, 55, 341-349.	1.6	14
521	Cooperative TSP. Theoretical Computer Science, 2010, 411, 2847-2863.	0.5	3
522	An Efficient Energy Aware Routing Protocol for Real Time Traffics in Wireless Sensor Networks. , 2010, , .		5
523	Adaptive Modeling of Routing Algorithms for Wireless Sensor Networks. International Journal of Adaptive Resilient and Autonomic Systems, 2010, 1, 21-40.	0.3	Ο
524	An approach for maximum lifetime data gathering with aggregation issue in wireless sensor networks. , 2010, , .		0
525	Billing process - agent networks. , 2010, , .		0
526	Improvement of Data Distribution in LGossiping with Choosing the Next Hop According to Its Chance. , 2010, , .		1
527	Network Coding for Event-Centric Wireless Sensor Networks. , 2010, , .		6
528	Overview on routing protocols in wireless sensor networks. , 2010, , .		3
529	A Pipelined Algorithm for Large, Irregular All-Gather Problems. International Journal of High Performance Computing Applications, 2010, 24, 58-68.	2.4	10
530	On the bit communication complexity of randomized rumor spreading. , 2010, , .		15
531	TeleScribe. , 2010, , .		2
532	Research on routing protocol apply in WSN. , 2010, , .		1
533	An Algorithm of Maximum Lifetime of Data Gathering Aggregation Issue Based on Linear Programming in WSNs. , 2010, , .		0
534	Cross-Layer Design for Merging of Unstructured P2P Networks over MANET. , 2010, , .		4
535	Flooding Time of Edge-Markovian Evolving Graphs. SIAM Journal on Discrete Mathematics, 2010, 24, 1694-1712.	0.4	66
536	Cluster based wireless sensor network routings using Artificial Bee Colony Algorithm. , 2010, , .		37
537	The strategy of smart home control system design based on wireless network. , 2010, , .		3

#	Article	IF	CITATIONS
538	Distributed computation in dynamic networks. , 2010, , .		232
539	An Efficient and Secure Routing Protocol for Wireless Sensor Networks Using Multicasting. , 2010, , .		7
540	Graphs and Algorithms in Communication Networks. Texts in Theoretical Computer Science, 2010, , .	0.5	19
542	Distributed Network Formation for n-Way Broadcast Applications. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 1427-1441.	4.0	3
543	An improved ELGossiping data distribution technique with emphasis on reliability and resource constraints in wireless sensor network. , 2010, , .		7
544	A Wireless Sensor Network Testbed. , 2010, , .		9
545	The Research of Management Algorithm about Radio Resource in Wireless Mesh Network. , 2010, , .		0
546	Fault Tolerance and energy efficient protocol for cluster communication in sensor networks. , 2010, ,		0
547	A design on routing protocol in sensor networks based on clustering optimization. , 2010, , .		0
548	Clustered balanced minimum spanning tree for routing and energy reduction in wireless sensor networks. , 2011, , .		6
549	A survey of wireless sensor networks. , 2011, , .		3
550	Multi-modal routing to tolerate failures. , 2011, , .		6
551	An Agent-Based Data-Generation Tool for Situation-Aware Systems. , 2011, , .		3
552	Energy-Aware Gossip Routing for Mobile Ad Hoc Networks. , 2011, , .		4
553	Information Spreading in Stationary Markovian Evolving Graphs. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1425-1432.	4.0	51
554	Integrated comparison of energy efficient routing protocols in wireless sensor network: A survey. , 2011, , .		8
555	Shortest Path Routing Protocol (SPRP) for Highly Data Centric Wireless Sensor Networks. , 2011, , .		7
556	An Efficient Unstructured P2P Overlay over MANET Using Underlying Proactive Routing. , 2011, , .		10

#	Article	IF	CITATIONS
558	Rumor Spreading and Vertex Expansion on Regular Graphs. , 2011, , .		15
559	An Efficient Key Distribution Scheme to Secure Data-Centric Routing Protocols in Hierarchical Wireless Sensor Networks. Procedia Computer Science, 2011, 5, 208-215.	1.2	8
560	Parsimonious flooding in dynamic graphs. Distributed Computing, 2011, 24, 31-44.	0.7	30
561	Knowledge-based multi-criteria optimization to support indoor positioning. Annals of Mathematics and Artificial Intelligence, 2011, 62, 345-370.	0.9	4
562	Spreading of Messages in Random Graphs. Theory of Computing Systems, 2011, 48, 389-401.	0.7	9
563	Messy broadcasting — Decentralized broadcast schemes with limited knowledge. Discrete Applied Mathematics, 2011, 159, 322-327.	0.5	2
564	Nonadaptive broadcasting in trees. Networks, 2011, 57, 157-168.	1.6	6
565	Hierarchical Spatial Gossip for Multiresolution Representations in Sensor Networks. ACM Transactions on Sensor Networks, 2011, 8, 1-24.	2.3	5
566	Analyzing network coding gossip made easy. , 2011, , .		66
567	CernVM-FS. , 2011, , .		32
568	Adaptive Clustering Algorithm Based on Energy Restriction. , 2011, , .		6
569	Information Dissemination Network for Dynamic Target Location Pursuit. , 2011, , .		1
570	The Effect of Redundancy on Video Broadcasting in Vehicular Networks. , 2011, , .		2
572	Performance evaluation of the network lifetime for routing protocols in WSN. , 2011, , .		2
574	The analysis and summary about energy saving technologies of wireless sensor network. , 2011, , .		6
575	Distributed computing in fault-prone dynamic networks. , 2012, , .		2
576	Characterizing continuous time random walks on time varying graphs. , 2012, , .		10
577	A SURVEY ON UNDIRECTED CIRCULANT GRAPHS. Discrete Mathematics, Algorithms and Applications, 2012, 04, 1250002.	0.4	43

	Сітатіо	on Report	
#	Article	IF	CITATIONS
578	Towards a Generic Framework for Wireless Sensor Network Multi-Criteria Routing. , 2012, , .		2
579	A Fuzzy-Gossip routing protocol for an energy efficient wireless sensor networks. , 2012, , .		9
580	Characterizing continuous time random walks on time varying graphs. Performance Evaluation Review, 2012, 40, 307-318.	0.4	7
581	Classical and swarm intelligence based routing protocols for wireless sensor networks: A survey and comparison. Journal of Network and Computer Applications, 2012, 35, 1508-1536.	5.8	236
582	A theoretical framework for analysis of communication pathways in random networks. , 2012, , .		0
583	A Hierarchical Clustering Algorithm Based on Energy and Distance Balancing for WSN. , 2012, , .		2
584	An energy efficient routing protocol in wireless sensor network for health monitoring. , 2012, , .		0
585	Robust and Tuneable Family of Gossiping Algorithms. , 2012, , .		3
586	Improved Minimum Hop Routing Protocol in WSN. , 2012, , .		1
587	Upper bounds on the broadcast function using minimum dominating sets. Discrete Mathematics, 2012, 312, 2992-2996.	0.4	25
588	Energy Aided Shortest Path Routing Protocol (EASPRP) for Highly Data Centric Wireless Sensor Networks. , 2012, , .		2
589	Assessing the Performance and Scalability of a Novel Multilevel K-Nomial Allgather on CORE-DirectÂSystems. Lecture Notes in Computer Science, 2012, , 538-549.	1.0	0
590	Minimum Latency Broadcasting with Conflict Awareness in Wireless Sensor Networks. , 2012, , .		5
591	A Survey of Wireless Sensor Network Architectures. International Journal of Computer Science & Engineering Survey, 2012, 3, 1-22.	0.2	13
592	Gossiping and routing in second-kind Frobenius graphs. European Journal of Combinatorics, 2012, 33, 1001-1014.	0.5	5
593	Performance evaluation of network lifetime spatial-temporal distribution for WSN routing protocols. Journal of Network and Computer Applications, 2012, 35, 1317-1328.	5.8	72
594	Beacon routing algorithm in wireless sensor networks with mobile gateway. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	1.5	3
595	The broadcast median problem in heterogeneous postal model. Journal of Combinatorial Optimization, 2013, 25, 602-616.	0.8	2

#	Article	IF	CITATIONS
596	Distributed Graph Algorithms for Computer Networks. Computer Communications and Networks, 2013, , .	0.8	52
597	Modeling, Analysis and Optimization of Network-on-Chip Communication Architectures. Lecture Notes in Electrical Engineering, 2013, , .	0.3	27
598	Efficient Information Dissemination in Dynamic Networks. , 2013, , .		2
599	Probabilistic Analysis of Message Forwarding. , 2013, , .		5
600	Oriented energy-aware scheme used in heterogeneous Wireless Sensor Networks. , 2013, , .		2
601	A Burst Effort Broadcasting Approach of MPEG-4 Video Transmission for Intervehicle Communication. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1839-1848.	4.7	2
602	Data forwarding of realtime mobile target tracking in wireless sensor networks. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 109-120.	3.3	4
603	An analytical model for pedestrian content distribution in a grid of streets. Mathematical and Computer Modelling, 2013, 57, 2933-2944.	2.0	15
604	Distributed online flash-crowd detection in P2P swarming systems. Computer Communications, 2013, 36, 533-541.	3.1	4
605	On the performance evaluation of query-based wireless sensor networks. Performance Evaluation, 2013, 70, 124-147.	0.9	6
606	Energy-Efficient Routing Protocols in Wireless Sensor Networks: A Survey. IEEE Communications Surveys and Tutorials, 2013, 15, 551-591.	24.8	997
607	Prioritized gossip in vehicular networks. Ad Hoc Networks, 2013, 11, 397-409.	3.4	8
608	Joint Sensor Selection and Multihop Routing for Distributed Estimation in Ad-hoc Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2013, 61, 6355-6370.	3.2	24
609	Link-Disjoint Broadcasting Algorithm in Wormhole-Routed 3D Petersen-Torus Networks. International Journal of Distributed Sensor Networks, 2013, 9, 501974.	1.3	5
610	Evaluation of Wireless Sensor Network Routing Protocols with Respect to Power Efficiency. , 2013, , .		2
611	A SEMANTIC SECURITY FRAMEWORK FOR SYSTEMS OF SYSTEMS. International Journal of Cooperative Information Systems, 2013, 22, 1350004.	0.6	22
612	Gossip-Based Solutions for Discrete Rendezvous in Populations of Communicating Agents. PLoS ONE, 2014, 9, e112612.	1.1	0
613	A survey on architectures, protocols, applications, and management in wireless sensor networks. Journal of Advanced Computer Science & Technology, 2014, 3, .	1.2	17

#	Article	IF	Citations
π 614	A Fuzzy-Decision Based Approach for Composite Event Detection in Wireless Sensor Networks. Scientific World Journal, The, 2014, 2014, 1-20.	0.8	2
615	Probabilistic method for energy efficiency routing with node compromised resistance. , 2014, , .		0
616	Energy-Efficient Gossiping Protocol of WSN with Realtime Streaming Data. , 2014, , .		5
617	A Review of Cluster Based Routing Protocols in Wireless Sensor Networks. Advanced Materials Research, 2014, 989-994, 4281-4285.	0.3	0
618	Broadcasting in Harary-Like Graphs. , 2014, , .		9
619	A new broadcast scheme for sensor networks. , 2014, , .		5
620	Using Coloured Petri Nets for Evaluating the Power Consumption of Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 423537.	1.3	10
621	Quasirandom Rumor Spreading. ACM Transactions on Algorithms, 2014, 11, 1-35.	0.9	12
622	A noble approach for self learning and cluster based routing protocol with power efficiency in WSN. , 2014, , .		1
623	Advances onto the Internet of Things. Advances in Intelligent Systems and Computing, 2014, , .	0.5	16
624	Network Lifetime Enhancement of Homogeneous Sensor Network Using ART1 Neural Network. , 2014, , .		16
625	Analytical and Stochastic Modeling Techniques and Applications. Lecture Notes in Computer Science, 2014, , .	1.0	Ο
626	Optimizing social media message dissemination problem for emergency communication. Computers and Industrial Engineering, 2014, 78, 107-126.	3.4	14
627	Acquaintance Time of a Graph. SIAM Journal on Discrete Mathematics, 2014, 28, 767-785.	0.4	7
628	A brief overview of the challenges of the multicore roadmap. , 2014, , .		3
629	A Comprehensive Survey of Congestion Control Protocols in Wireless Sensor Networks. IEEE Communications Surveys and Tutorials, 2014, 16, 1839-1859.	24.8	91
630	A PTAS for geometric 2-FTP. Information Processing Letters, 2014, 114, 670-675.	0.4	2
631	Analysis of the match probabilities for the iTrust information network with message forwarding. , 2014, , .		2

#	Article	IF	Citations
632	The worst case behavior of randomized gossip protocols. Theoretical Computer Science, 2014, 560, 108-120.	0.5	4
633	Dynamics of interacting information waves in networks. Physical Review E, 2014, 89, 012809.	0.8	6
634	Reprint of "Prioritized gossip in vehicular networks― Ad Hoc Networks, 2014, 12, 291-304.	3.4	0
635	All-to-all broadcast problem of some classes of graphs under the half duplex all-port model. Discrete Applied Mathematics, 2014, 173, 28-34.	0.5	7
636	An algorithm on constructing routing-based multiple CDSs to prolong lifetime of WSN. , 2015, , .		1
637	A survey on various static and mobile base stations and wireless charging of sensor nodes in WSNs. , 2015, , .		3
638	A Genetic Algorithm Based Minimal Maximal Load Tree Routing Algorithm in Wireless Sensor Networks. Journal of Electrical and Computer Engineering, 2015, 2015, 1-7.	0.6	2
640	Guest Column. ACM SIGACT News, 2015, 46, 40-61.	0.1	19
641	Development of an Effective Routing Protocol for Cluster Based Wireless Sensor Network for Soil Moisture Deficit Monitoring. International Journal of Control and Automation, 2015, 8, 243-250.	0.3	1
642	Open problems in gossip/broadcast schemes and the possible application of the method of local interchange. , 2015, , .		2
643	Performance evaluation of delay-tolerant wireless friend-to-friend networks for undetectable communication. , 2015, , .		0
645	Message and time efficient multi-broadcast schemes. Theoretical Computer Science, 2015, 569, 13-23.	0.5	3
646	A model for learning the news in social networks. Annals of Mathematics and Artificial Intelligence, 2015, 73, 125-138.	0.9	0
647	CONTINGENCY AND KNOWING WHETHER. Review of Symbolic Logic, 2015, 8, 75-107.	0.7	54
648	Factory Sensors and RFID Networks. , 2015, , 273-313.		0
649	On the Push&Pull Protocol for Rumour Spreading. , 2015, , .		7
650	Rooted level-disjoint partitions of Cartesian products. Applied Mathematics and Computation, 2015, 266, 244-258.	1.4	5
651	Choreographies in the wild. Science of Computer Programming, 2015, 109, 36-60.	1.5	6

			2
#	ARTICLE	IF	CITATIONS
652	Revolutionizing Collaboration through e-Work, e-Business, and e-Service. Automation, Collaboration, and E-services, 2015, , .	0.5	52
653	A Multi-Agent Framework for Packet Routing in Wireless Sensor Networks. Sensors, 2015, 15, 10026-10047.	2.1	51
654	Gossip Latin square and the meet-all gossipers problem. Information Processing Letters, 2015, 115, 738-743.	0.4	0
655	The acquaintance time of (percolated) random geometric graphs. European Journal of Combinatorics, 2015, 48, 198-214.	0.5	9
656	Wireless cognitive network technologies and protocols. , 2015, , 119-153.		4
657	Use of irregular topologies for the synthesis of networks-on-chip. , 2015, , .		2
658	WSN data fusion approach based on improved BP algorithm and clustering protocol. , 2015, , .		5
659	One Hundred Prisoners and a Light Bulb. , 2015, , .		8
660	The shortest path problem in the Knödel graph. Journal of Discrete Algorithms, 2015, 31, 40-47.	0.7	7
661	Environmental parameters monitoring in precision agriculture using wireless sensor networks. Journal of Cleaner Production, 2015, 88, 297-307.	4.6	361
662	Enhancing Energy Efficiency of Wireless Sensor Network through the Design of Energy Efficient Routing Protocol. Journal of Sensors, 2016, 2016, 1-16.	0.6	55
663	An adaptive threshold based hybrid load balancing scheme with sender and receiver initiated approach using random information exchange. Concurrency Computation Practice and Experience, 2016, 28, 2729-2746.	1.4	11
664	Self organized scale-free distributed classification using a distributed, unreliable set of limited capability components. , 2016, , .		0
666	Line-broadcasting in complete k -ary trees. Networks, 2016, 67, 139-147.	1.6	1
667	Taxonomy of routing protocols in wireless sensor networks: A survey. , 2016, , .		17
668	A Fault-Tolerant Routing Algorithm for Wireless Sensor Networks Based on the Structured Directional de Bruijn Graph. Cybernetics and Information Technologies, 2016, 16, 46-59.	0.4	10
669	All-to-all broadcast problems on Cartesian product graphs. Theoretical Computer Science, 2016, 609, 262-271.	0.5	1
670	Multi-channel routing protocol for dynamic WSN. , 2016, , .		5

#	Article	IF	CITATIONS
671	Broadcasting in weighted trees under the postal model. Theoretical Computer Science, 2016, 621, 73-81.	0.5	1
672	Data Migration. , 2016, , 487-491.		0
673	Analyzing Network Coding (Gossip) Made Easy. Journal of the ACM, 2016, 63, 1-22.	1.8	9
674	Acquaintance Time of Random Graphs Near Connectivity Threshold. SIAM Journal on Discrete Mathematics, 2016, 30, 555-568.	0.4	1
675	Structural Information and Communication Complexity. Lecture Notes in Computer Science, 2016, , .	1.0	1
676	A Tight Upper Bound on Acquaintance Time of Graphs. Graphs and Combinatorics, 2016, 32, 1667-1673.	0.2	3
677	An Introduction to Temporal Graphs: An Algorithmic Perspective [*] . Internet Mathematics, 2016, 12, 239-280.	0.7	105
678	Randomized rumor spreading in poorly connected small-world networks. Random Structures and Algorithms, 2016, 49, 185-208.	0.6	6
679	Power domination with bounded time constraints. Journal of Combinatorial Optimization, 2016, 31, 725-742.	0.8	15
680	A Survey on Energy Efficiency in P2P Systems. ACM Computing Surveys, 2016, 48, 1-37.	16.1	28
681	A Novel Pipeline Approach for Efficient Big Data Broadcasting. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 17-28.	4.0	16
682	Binary linear programming models for robust broadcasting in communication networks. Discrete Applied Mathematics, 2016, 204, 173-184.	0.5	2
683	On the complexity of the shortest-path broadcast problem. Discrete Applied Mathematics, 2016, 199, 101-109.	0.5	6
684	Path-connectivity of lexicographic product graphs. International Journal of Computer Mathematics, 2016, 93, 27-39.	1.0	13
685	Odd gossiping. Discrete Applied Mathematics, 2017, 216, 550-561.	0.5	3
686	Justifying the smallâ€world phenomenon via random recursive trees. Random Structures and Algorithms, 2017, 50, 201-224.	0.6	2
687	Efficient broadcast trees for weighted vertices. Discrete Applied Mathematics, 2017, 216, 598-608.	0.5	4
689	Broadcast Graphs Using New Dimensional Broadcast Schemes for Knödel Graphs. Lecture Notes in Computer Science, 2017, , 193-204.	1.0	3

			Citation
#	ARTICLE Routing in wireless sensor networks for wind turbine monitoring. Pervasive and Mobile Computing,	IF	CITATIONS
690	2017, 39, 1-35.	2.1	20
691	Constructing edge-disjoint Steiner paths in lexicographic product networks. Applied Mathematics and Computation, 2017, 308, 1-10.	1.4	2
693	Epistemic protocols for dynamic gossip. Journal of Applied Logic, 2017, 20, 1-31.	1.1	26
695	RLNC in satellite networks: A cooperative scenario for delivering M2M traffic. International Journal of Satellite Communications and Networking, 2017, 35, 605-620.	1.2	2
696	On the Push&Pull Protocol for Rumor Spreading. SIAM Journal on Discrete Mathematics, 2017, 31, 647-668.	0.4	10
697	New upper bound on <i>m</i> â€ŧimeâ€ŧelaxed <i>k</i> â€broadcast graphs. Networks, 2017, 70, 72-78.	1.6	1
698	A comprehensive survey on multichannel routing in wireless sensor networks. Journal of Network and Computer Applications, 2017, 95, 1-25.	5.8	43
699	Protecting against malicious and selective forwarding attacks for P2P search & retrieval system. Peer-to-Peer Networking and Applications, 2017, 10, 1079-1100.	2.6	3
700	Throughput-Optimal Multihop Broadcast on Directed Acyclic Wireless Networks. IEEE/ACM Transactions on Networking, 2017, 25, 377-391.	2.6	14
701	Novel Multidimensional Models of Opinion Dynamics in Social Networks. IEEE Transactions on Automatic Control, 2017, 62, 2270-2285.	3.6	226
702	Minimum multiple originator broadcast graphs. Discrete Applied Mathematics, 2017, 216, 646-661.	0.5	0
703	Solving the Broadcast Time Problem Using a D-wave Quantum Computer. Emergence, Complexity and Computation, 2017, , 439-453.	0.2	9
704	Cooperative recovery of coverage holes in WSNs via disjoint spanning trees. , 2017, , .		1
705	Gossiping properties of the edge-permuted Kn $ ilde{A}\P$ del graphs. , 2017, , .		2
706	Comparative analysis of flat routing protocols in wireless sensor networks: Which one is better?. , 2017, , .		8
707	Energy-Efficient Communication in Wireless Networks. , 0, , .		6
709	Efficient Broadcasting Algorithm in Harary-like Networks. , 2017, , .		11
710	Energy-hole avoidance and lifetime enhancement of a WSN through load factor. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 1375-1387.	0.9	9

#	Article	IF	Citations
711	Dynamics and structure of social networks from a systems and control viewpoint: A survey of Roberto Tempo's contributions. Online Social Networks and Media, 2018, 7, 45-59.	2.3	8
712	Deterministic models for opinion formation through communication: A survey. Online Social Networks and Media, 2018, 6, 1-17.	2.3	11
713	A tutorial on modeling and analysis of dynamic social networks. Part II. Annual Reviews in Control, 2018, 45, 166-190.	4.4	180
714	Modelling simultaneous broadcasting by level-disjoint partitions. Applied Mathematics and Computation, 2018, 325, 15-23.	1.4	2
715	Combinatorial Algorithms. Lecture Notes in Computer Science, 2018, , .	1.0	129
716	Cluster-based efficient information dissemination in dynamic networks. International Journal of Distributed Sensor Networks, 2018, 14, 155014771876208.	1.3	0
717	Broadcasting multiple messages in the 1-in port model in optimal time. Journal of Combinatorial Optimization, 2018, 36, 1333-1355.	0.8	1
718	A Self-Adaptive Sleep/Wake-Up Scheduling Approach for Wireless Sensor Networks. IEEE Transactions on Cybernetics, 2018, 48, 979-992.	6.2	97
719	Simple multi-party set reconciliation. Distributed Computing, 2018, 31, 441-453.	0.7	15
720	A Critical Analysis of Research Potential, Challenges, and Future Directives in Industrial Wireless Sensor Networks. IEEE Communications Surveys and Tutorials, 2018, 20, 39-95.	24.8	181
721	Effective use of congestion in complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 494, 574-580.	1.2	9
722	Cluster-Tree-Based Routing—A Step Towards Increasing WSN Longevity. Advances in Intelligent Systems and Computing, 2018, , 221-227.	0.5	0
723	Efficient Node Selection Mechanism in Wireless Sensor Networks Using Fast Track Random Walk Model. SSRN Electronic Journal, 2018, , .	0.4	0
724	Heuristics for the Minimum Broadcast Time. Electronic Notes in Discrete Mathematics, 2018, 69, 165-172.	0.4	4
725	Towards an Analysis of Dynamic Gossip in Netkat. Lecture Notes in Computer Science, 2018, , 280-297.	1.0	3
726	Defense Mechanism for Malicious and Selective Forwarding Attacks in Large and Mobile Wireless Networks. Computer Journal, 2018, 61, 1862-1879.	1.5	1
727	Relational and Algebraic Methods in Computer Science. Lecture Notes in Computer Science, 2018, , .	1.0	0
729	An Annotated Glossary of Graph Theory Parameters, with Conjectures. Problem Books in Mathematics, 2018, , 177-281.	0.1	5

#	Article	IF	CITATIONS
730	Improved Lower Bound on Broadcast Function Based on Graph Partition. Lecture Notes in Computer Science, 2018, , 219-230.	1.0	0
731	Computer Networks. Communications in Computer and Information Science, 2018, , .	0.4	3
732	A Novel Heterogeneous Wireless Sensor Node Deployment Algorithm With Parameter-Free Configuration. IEEE Access, 2018, 6, 44951-44969.	2.6	10
733	Optimal odd gossiping. Discrete Applied Mathematics, 2018, 247, 53-69.	0.5	0
734	NP-completeness of Shortest Leaf-to-Leaf Distance in a Tree. , 2019, , .		1
735	Application Specific Energy Aware and Reliable Routing Protocol for Wireless Sensor Network. , 2019,		3
736	An energy efficient cluster based routing approach to minimize energy consumption using CORP in wireless sensor networks. Journal of Intelligent and Fuzzy Systems, 2019, 36, 5835-5844.	0.8	3
738	Bonsai: Efficient Fast Failover Routing Using Small Arborescences. , 2019, , .		11
739	On linear-time data dissemination in dynamic rooted trees. Discrete Applied Mathematics, 2019, 255, 307-319.	0.5	4
740	Approximation Algorithms for Graph Burning. Lecture Notes in Computer Science, 2019, , 74-92.	1.0	16
741	Elements of Application-Layer Internetworking for Adaptive Self-Organizing Networks. Proceedings of the IEEE, 2019, 107, 797-818.	16.4	3
742	Communication networks, externalities, and the price of information. RAND Journal of Economics, 2019, 50, 481-502.	1.3	1
744	Approximation Algorithm for the Broadcast Time in <i>k</i> -Path Graph. Journal of Interconnection Networks, 2019, 19, 1950006.	0.6	4
745	Index Geographic Gossip Algorithm for Information Dissemination over Regular Graphs. Chinese Journal of Electronics, 2019, 28, 386-391.	0.7	0
746	Network-Structure-Based Energy Aware Routing in Wireless Sensor Networks. , 2019, , .		1
747	Improved Fast Rerouting Using Postprocessing. , 2019, , .		9
748	Dynamic Gossip. Bulletin of the Iranian Mathematical Society, 2019, 45, 701-728.	0.4	9
749	Understanding users' continuous content contribution behaviours on microblogs: an integrated perspective of uses and gratification theory and social influence theory. Behaviour and Information Technology, 2020, 39, 525-543.	2.5	59

#	Article	IF	CITATIONS
750	Routing Algorithms for Wireless Sensor Networks: Analysed and Compared. Wireless Personal Communications, 2020, 110, 85-107.	1.8	13
751	Path 3-(edge-)connectivity of lexicographic product graphs. Discrete Applied Mathematics, 2020, 282, 152-161.	0.5	2
752	Propagation in certain nano structures and bloom torus. AIP Conference Proceedings, 2020, , .	0.3	0
754	Reinforced Secure Gossiping Against DoS Attacks in Post-Disaster Scenarios. IEEE Access, 2020, 8, 178651-178669.	2.6	4
755	Analysing the efficiency and robustness of gossip in different propagation processes with simulations. Journal of Physics: Conference Series, 2020, 1486, 032001.	0.3	0
756	Heuristic Algorithms with Near Optimal Broadcasting in Cactus Graphs. , 2020, , .		0
757	The logic of gossiping. Artificial Intelligence, 2020, 286, 103306.	3.9	10
758	Improved Fast Rerouting Using Postprocessing. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 537-550.	3.7	3
759	On the radius of nonsplit graphs and information dissemination in dynamic networks. Discrete Applied Mathematics, 2020, 282, 257-264.	0.5	2
760	Development of routing algorithms in networks-on-chip based on two-dimensional optimal circulant topologies. Heliyon, 2020, 6, e03183.	1.4	13
761	Energy Efficient Routing in Wireless Sensor Networks: A Comprehensive Survey. Algorithms, 2020, 13, 72.	1.2	73
762	Advances in Information Communication Technology and Computing. Lecture Notes in Networks and Systems, 2021, , .	0.5	3
763	Everyone Knows that Everyone Knows. Logic, Epistemology, and the Unity of Science, 2021, , 117-133.	0.1	1
764	Gossiping by energy-constrained mobile agents in tree networks. Theoretical Computer Science, 2021, 861, 45-65.	0.5	0
765	PackStealLB: A scalable distributed load balancer based on work stealing and workload discretization. Journal of Parallel and Distributed Computing, 2021, 150, 34-45.	2.7	3
766	A Survey on WSN Issues with its Heuristics and Meta-Heuristics Solutions. Wireless Personal Communications, 2021, 121, 745-814.	1.8	28
767	On the Complexity of Load Balancing in Dynamic Networks. , 2021, , .		1
768	Ant Algorithms for Routing in Wireless Multi-Hop Networks. , 0, , .		Ο

	Сітатіс	on Report	
#	Article	IF	CITATIONS
769	A lightweight epistemic logic and its application to planning. Artificial Intelligence, 2021, 298, 103437.	3.9	6
770	Communication and Community Enforcement. Journal of Political Economy, 2021, 129, 2595-2628.	3.3	6
771	ASRPH: Application Specific Routing Protocol for Health care. Computer Networks, 2021, 197, 108273.	3.2	12
772	A general multi-agent epistemic planner based on higher-order belief change. Artificial Intelligence, 2021, 301, 103562.	3.9	2
773	Propositional Gossip Protocols. Lecture Notes in Computer Science, 2021, , 354-370.	1.0	1
777	WDM: An Energy-Efficient Multi-hop Routing Algorithm for Wireless Sensor Networks. Lecture Notes in Computer Science, 2005, , 461-467.	1.0	4
778	Optimal Broadcast for Fully Connected Networks. Lecture Notes in Computer Science, 2005, , 45-56.	1.0	11
779	Energy Efficient Protocols for Information Dissemination in Wireless Sensor Networks. Lecture Notes in Computer Science, 2006, , 176-185.	1.0	7
780	Cooperative TSP. Lecture Notes in Computer Science, 2006, , 40-51.	1.0	3
781	Efficient Allgather for Regular SMP-Clusters. Lecture Notes in Computer Science, 2006, , 58-65.	1.0	15
782	The Complexity of Approximating the Oriented Diameter of Chordal Graphs. Lecture Notes in Computer Science, 2002, , 211-222.	1.0	2
783	Diameter of the Knödel Graph. Lecture Notes in Computer Science, 2000, , 149-160.	1.0	12
784	On the Inapproximability of Broadcasting Time. Lecture Notes in Computer Science, 2000, , 226-237.	1.0	12
785	Approximation Algorithms for Minimum-Time Broadcast under the Vertex-Disjoint Paths Mode. Lecture Notes in Computer Science, 2001, , 440-451.	1.0	11
786	A Randomized Algorithm for Gossiping in Radio Networks. Lecture Notes in Computer Science, 2001, , 483-492.	1.0	20
787	Approximation Algorithm for Directed Telephone Multicast Problem. Lecture Notes in Computer Science, 2003, , 212-223.	1.0	11
788	Analysis of Heuristics for the Freeze-Tag Problem. Lecture Notes in Computer Science, 2002, , 270-279.	1.0	8
789	On Randomized Broadcasting and Gossiping in Radio Networks. Lecture Notes in Computer Science, 2002, , 340-349.	1.0	38

#	Article	IF	Citations
791	Time bounds for broadcasting in bounded degree graphs. Lecture Notes in Computer Science, 1990, , 19-33.	1.0	9
792	Randomized broadcast in networks. Lecture Notes in Computer Science, 1990, , 128-137.	1.0	32
793	Algebraic constructions of efficient broadcast networks. Lecture Notes in Computer Science, 1991, , 152-158.	1.0	40
794	Broadcasting in butterfly and debruijn networks. Lecture Notes in Computer Science, 1992, , 351-362.	1.0	6
795	Optimal algorithms for dissemination of information in generalized communication modes. Lecture Notes in Computer Science, 1992, , 113-130.	1.0	7
796	Sparse networks supporting efficient reliable broadcasting. Lecture Notes in Computer Science, 1993, , 388-397.	1.0	13
797	Gossiping in vertex-disjoint paths mode in interconnection networks. Lecture Notes in Computer Science, 1994, , 288-300.	1.0	3
798	The minimum broadcast time problem. Lecture Notes in Computer Science, 1994, , 219-234.	1.0	2
799	The complexity of broadcasting in planar and decomposable graphs. Lecture Notes in Computer Science, 1995, , 219-231.	1.0	6
800	Fast gossiping by short messages. Lecture Notes in Computer Science, 1995, , 135-146.	1.0	12
801	Effective systolic algorithms for gossiping in cycles and two-dimensional grids. Lecture Notes in Computer Science, 1995, , 273-282.	1.0	6
802	Efficient collective communication in optical networks. Lecture Notes in Computer Science, 1996, , 574-585.	1.0	45
803	Gossiping in cayley graphs by packets. Lecture Notes in Computer Science, 1996, , 301-315.	1.0	14
804	Efficient broadcasting on faulty star networks. Lecture Notes in Computer Science, 1996, , 298-305.	1.0	1
805	Ad Hoc Routing. Computer Communications and Networks, 2013, , 259-275.	0.8	2
807	Dissemination of Information in Interconnection Networks (Broadcasting & Gossiping). Applied Optimization, 1996, , 125-212.	0.4	112
809	Temporal Epistemic Gossip Problems. Lecture Notes in Computer Science, 2019, , 1-14.	1.0	4
810	Energy Efficient Routing Protocols for Wireless Sensor Network. Advances in Intelligent Systems and Computing, 2020, , 275-298.	0.5	11

		CITATION REPORT		
#	Article		IF	CITATIONS
811	Stateless Information Dissemination Algorithms. Lecture Notes in Computer Science, 2	2020, , 183-199.	1.0	5
812	New Lower Bounds on Broadcast Function. Lecture Notes in Computer Science, 2014,	, 174-184.	1.0	7
813	Sensors and Wireless Sensor Networks as Data Sources: Models and Languages. Data- and Applications, 2015, , 69-92.	centric Systems	0.2	2
814	An Introduction to Temporal Graphs: An Algorithmic Perspective. Lecture Notes in Com 2015, , 308-343.	nputer Science,	1.0	23
815	The Pleasure of Gossip. Outstanding Contributions To Logic, 2017, , 145-163.		0.2	6
816	Asynchronous Broadcasting with Bivalent Beeps. Lecture Notes in Computer Science, 2	2016, , 291-306.	1.0	2
817	Time-Optimal Broadcasting of Multiple Messages in 1-in Port Model. Lecture Notes in O Science, 2016, , 144-158.	Computer	1.0	1
818	On Decidability of a Logic of Gossips. Lecture Notes in Computer Science, 2016, , 18-3	3.	1.0	5
819	On the Push&Pull Protocol for Rumour Spreading. Trends in Mathematics, 2017, ,	3-10.	0.1	6
820	Reachability and Expectation in Gossiping. Lecture Notes in Computer Science, 2017, ,	93-109.	1.0	8
821	SAMAS: Scalable Architecture for Multi-resolution Agent-Based Simulation. Lecture Nor Computer Science, 2004, , 779-788.	tes in	1.0	6
822	Broadcast in the Rendezvous Model. Lecture Notes in Computer Science, 2004, , 559-5	570.	1.0	1
823	On Generalized Gossiping and Broadcasting. Lecture Notes in Computer Science, 2003	3, , 373-384.	1.0	3
824	Spreading Messages. Lecture Notes in Computer Science, 2008, , 587-599.		1.0	1
825	Time-Efficient Broadcasting in Radio Networks: A Review. , 2007, , 1-18.			23
826	A Simple, Pipelined Algorithm for Large, Irregular All-gather Problems. Lecture Notes in Science, 2008, , 84-93.	Computer	1.0	10
827	Performance Evaluation of Gradient Routing Strategies for Wireless Sensor Networks. in Computer Science, 2009, , 535-547.	Lecture Notes	1.0	7
828	Time-Efficient Broadcast in Radio Networks. Texts in Theoretical Computer Science, 20	09,,311-334.	0.5	1

		CITATION REPORT		
#	ARTICLE		IF	CITATIONS
831	Broadcasting in Heterogeneous Tree Networks. Lecture Notes in Computer Science, 2010,	, 368-377.	1.0	6
834	Learning the News in Social Networks. Lecture Notes in Computer Science, 2012, , 298-31	1.	1.0	1
835	The Worst Case Behavior of Randomized Gossip. Lecture Notes in Computer Science, 2012	2, , 330-345.	1.0	3
836	Minimum Latency Aggregation Scheduling in Wireless Sensor Networks. Lecture Notes in G Science, 2015, , 152-168.	Computer	1.0	7
837	Analysis and Optimization of Prediction-Based Flow Control in Networks-on-Chip. Lecture N Electrical Engineering, 2013, , 105-133.	Notes in	0.3	1
838	The Syntenic Diameter of the Space of N-Chromosome Genomes. Computational Biology, 2	2000, , 185-197.	0.1	5
839	The epistemic gossip problem. Discrete Mathematics, 2019, 342, 654-663.		0.4	9
841	Metaheuristicsâ€based energy efficient clustering in WSNs: challenges and research contri Wireless Sensor Systems, 2020, 10, 253-264.	butions. IET	1.3	9
842	The complexity of systolic dissemination of information in interconnection networks. RAIR(Theoretical Informatics and Applications, 1994, 28, 303-342.) -	0.5	9
843	Neighborhood Broadcasting in Undirected de Bruijn and Kautz Networks. IEICE Transactior Information and Systems, 2005, E88-D, 89-95.	is on	0.4	2
844	Scalable and Self – Optimizing Data Grids. , 2004, , 30-60.			5
845	Spectral efficiency of mobility-assisted podcasting in cellular networks. , 2010, , .			16
846	Prioritized gossip in vehicular networks. , 2010, , .			3
847	Performance Evaluation of Some Distributed Averaging Algorithms for Sensor Networks. International Journal of Distributed Sensor Networks, 2011, 7, 428290.		1.3	2
848	Overview of Communication Protocols for Sensor Networks. , 2004, , .			2
849	Broadcasting and Gossiping. Discrete Mathematics and Its Applications, 2013, , 1477-1494	4.	0.1	11
850	Proposition and evaluation of a novel routing protocol for wireless sensor networks. , 0, , .			3
851	Power Aware Routing Protocols in Wireless Sensor Network. IEICE Transactions on Commu 2016, E99.B, 1481-1491.	inications,	0.4	4

# 852	ARTICLE On the Computational Complexity of Gossip Protocols. , 2017, , .	IF	Citations 8
854	A Note on the Acquaintance Time of Random Graphs. Electronic Journal of Combinatorics, 2013, 20, .	0.2	5
855	Routing Protocols in Wireless Sensor Networks. Advances in Wireless Technologies and Telecommunication Book Series, 2017, , 86-128.	0.3	14
856	A Survey on Energy-Aware Wireless Sensor Routing Protocols. EAI Endorsed Transactions on Energy Web, 2019, 6, 160835.	0.3	28
857	A mobility model for pedestrian content distribution. , 2009, , .		12
858	Epistemic Protocols for Distributed Gossiping. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 215, 51-66.	0.8	19
859	Common Knowledge in a Logic of Gossips. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 251, 10-27.	0.8	6
860	Open Problems in a Logic of Gossips. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 297, 1-18.	0.8	3
861	Solving Gossip Problems using Answer Set Programming: An Epistemic Planning Approach. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 325, 52-58.	0.8	1
862	A Novel Energy Efficient Routing Protocol in Wireless Sensor Networks. Wireless Sensor Network, 2011, 03, 341-350.	0.3	23
863	Energy Efficient Algorithm for Wireless Sensor Networks using Fuzzy Logic. International Journal of Computer Applications, 2014, 89, 1-5.	0.2	4
864	A Survey on Routing Techniques of Data-Centric Wireless Sensor Networks. International Journal of Computer Applications, 2012, 53, 1-5.	0.2	23
865	A Survey on Energy Efficient Clustering Protocols in Wireless Sensor Networks. International Journal of Computer Applications, 2018, 180, 9-12.	0.2	6
866	Design of Energy Efficient Routing Algorithm for Wireless Sensor Network (Wsn) Using Pascal Graph. , 2013, , .		4
868	Proposal and Evaluation of an Information Dissemination Method Based on Flooding for Energy Efficiency in Wireless Sensor Networks. Journal of Advances in Computer Networks, 2014, 2, 129-133.	0.2	2
869	Minimal Number of Calls in Propositional Protocols. Lecture Notes in Computer Science, 2021, , 132-148.	1.0	0
871	Efficient Communication in Unknown Networks. Lecture Notes in Computer Science, 2000, , 172-183.	1.0	2
872	Deterministic Broadcasting Time with Partial Knowledge of the Network. Lecture Notes in Computer Science, 2000, , 374-385.	1.0	Ο

#	Article	IF	CITATIONS
873	Decentralized Load Balancing in Multi-node Broadcast Schemes for Hypercubes. Lecture Notes in Computer Science, 2000, , 243-251.	1.0	0
874	A Novel Distributed Algorithm for High-Throughput and Scalable Gossiping. Lecture Notes in Computer Science, 2000, , 313-322.	1.0	3
875	Optimal Broadcasting in Even Tori with Dynamic Faults. Lecture Notes in Computer Science, 2000, , 927-930.	1.0	2
876	Broadcasting with Universal Lists Revisited: Using Competitive Analysis. Lecture Notes in Computer Science, 2001, , 74-85.	1.0	0
877	Deterministic Radio Broadcasting at Low Cost. Lecture Notes in Computer Science, 2001, , 158-169.	1.0	2
878	Broadcasting in Generalized de Bruijn Digraphs. Lecture Notes in Computer Science, 2002, , 200-209.	1.0	1
881	An Approximation Algorithm for Broadcast Scheduling in Heterogeneous Clusters. Lecture Notes in Computer Science, 2004, , 38-52.	1.0	1
882	A Novel Ant Algorithm for Solving the Minimum Broadcast Time Problem. Lecture Notes in Computer Science, 2004, , 501-510.	1.0	5
884	A Fault Tolerant Approach to Object Oriented Design and Synthesis of Embedded Systems. Lecture Notes in Computer Science, 2005, , 143-153.	1.0	0
885	Policy-Based Adaptive Routing in Autonomous WSNs. Lecture Notes in Computer Science, 2005, , 206-219.	1.0	4
887	A Novel Energy-Efficient Backbone for Sensor Networks. Lecture Notes in Computer Science, 2006, , 600-611.	1.0	1
890	A Fuzzy Routing Protocol for Wireless Sensor Network. The KIPS Transactions PartC, 2007, 14C, 611-620.	0.2	0
892	Request Satisfaction Problem in Synchronous Radio Networks. Lecture Notes in Computer Science, 2008, , 451-462.	1.0	0
893	Data Migration. , 2008, , 217-220.		0
895	Data-Centricity in Wireless Sensor Networks. Computer Communications and Networks, 2009, , 183-204.	0.8	4
897	Multisource Broadcasting on de Bruijn and Kautz Digraphs Using Isomorphic Factorizations into Cycle-Rooted Trees. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 1757-1763.	0.2	0
898	Power-Efficient Routing in Wireless Sensor Networks. Industrial Information Technology Series, 2009, , 7-1-7-40.	0.2	0
899	A Routing-Tree Construction Algorithm for Energy Efficiency in Wireless Sensor Network. The KIPS Transactions PartC. 2009. 16C. 731-736.	0.2	4

~	_	
	Repo	DT
CITAI	KLFU	IX I

#	Article	IF	CITATIONS
901	An Algorithm for Multi-Source Broadcasting on Kautz Digraphs Using 2-Cycle Rooted Trees. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 1800-1805.	0.2	0
902	An Efficient Circuit–Switched Broadcasting in Star Graph. Lecture Notes in Computer Science, 2010, , 131-135.	1.0	0
903	Clustering and Routing Algorithm for QoS Guarantee in Wireless Sensor Networks. The KIPS Transactions PartC, 2010, 17C, 189-196.	0.2	0
904	iCAAS. International Journal of Adaptive Resilient and Autonomic Systems, 2010, 1, 30-45.	0.3	4
906	Frameworks for u-Health Bio Signal Controller. Studies in Computational Intelligence, 2011, , 257-266.	0.7	0
907	The Role of Nodes Distribution in Extending the Lifetime of Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2011, 7, 978164.	1.3	0
908	Improved Bounds for Minimum Fault-Tolerant Gossip Graphs. Lecture Notes in Computer Science, 2011, , 203-214.	1.0	1
909	Literature Review of MAC, Routing and Cross Layer Design Protocols for WSN. , 0, , .		1
910	Adaptive Modeling of Routing Algorithms for Wireless Sensor Networks. , 2012, , 73-92.		0
911	Literature Review of MAC, Routing and Cross Layer Design Protocols for WSN. , 2012, , 70-118.		0
912			
	Study on Dissemination Patterns in Location-Aware Gossiping Networks. IEICE Transactions on Communications, 2012, E95.B, 1519-1528.	0.4	0
913		0.4	0
913 914	Communications, 2012, E95.B, 1519-1528.	0.4	
	Communications, 2012, E95.B, 1519-1528. iCAAS. , 2012, , 93-108. A Security Routing Protocol Based on Public Key Matrix for Wireless Sensor Networks. Journal of		1
914	Communications, 2012, E95.B, 1519-1528. iCAAS. , 2012, , 93-108. A Security Routing Protocol Based on Public Key Matrix for Wireless Sensor Networks. Journal of Convergence Information Technology, 2012, 7, 127-136. Optimized Power Schemes for Wireless Sensor Network by using Threshold Techniques. International	0.1	1 0
914 915	 Communications, 2012, E95.B, 1519-1528. iCAAS. , 2012, , 93-108. A Security Routing Protocol Based on Public Key Matrix for Wireless Sensor Networks. Journal of Convergence Information Technology, 2012, 7, 127-136. Optimized Power Schemes for Wireless Sensor Network by using Threshold Techniques. International Journal of Computer Applications, 2012, 47, 11-15. Broadcasting and Embedding Algorithms for a Half Hypercube Interconnection Network. Lecture 	0.1	1 0 0
914 915 916	Communications, 2012, E95.B, 1519-1528. iCAAS. , 2012, , 93-108. A Security Routing Protocol Based on Public Key Matrix for Wireless Sensor Networks. Journal of Convergence Information Technology, 2012, 7, 127-136. Optimized Power Schemes for Wireless Sensor Network by using Threshold Techniques. International Journal of Computer Applications, 2012, 47, 11-15. Broadcasting and Embedding Algorithms for a Half Hypercube Interconnection Network. Lecture Notes in Electrical Engineering, 2013, , 553-559. Network Structure and Topology based Routing Techniques in Wireless Sensor Network- A survey.	0.1 0.2 0.3	1 0 0 1

#	Article	IF	CITATIONS
920	On the complexity of distributed BFS in ad hoc networks with non-spontaneous wake-ups. Discrete Mathematics and Theoretical Computer Science, 2013, Vol. 15 no. 3, .	0.1	0
921	Modelling Interacting Epidemics in Overlapping Populations. Lecture Notes in Computer Science, 2014, , 33-45.	1.0	2
922	Modified Gossip Protocol in Wireless Sensor Networks Using Chebyshev Distance and Fuzzy Logic. Advances in Intelligent Systems and Computing, 2014, , 391-401.	0.5	1
923	Hardware and Software Platforms for Distributed Computing on Resource Constrained Devices. Advances in Intelligent Systems and Computing, 2014, , 121-133.	0.5	3
924	Randomized Rumor Spreading in Poorly Connected Small-World Networks. Lecture Notes in Computer Science, 2014, , 346-360.	1.0	0
925	Broadcast Networks with Near Optimal Cost. Lecture Notes in Computer Science, 2014, , 312-322.	1.0	3
926	Optimal Load Distribution in Wireless Sensor Networks. , 2014, , 179-222.		4
927	Secure Data Aggregation using Efficient Key Management Technique in Wireless Sensor Network. International Journal of Computer Applications, 2014, 89, 6-11.	0.2	2
928	A comparative analysis of two-phase-commit protocols. Lecture Notes in Computer Science, 1990, , 289-304.	1.0	2
929	Traffic-light scheduling on the grid. Lecture Notes in Computer Science, 1992, , 238-252.	1.0	1
930	Optimal group gossiping in hypercubes under wormhole routing model. Lecture Notes in Computer Science, 1993, , 277-286.	1.0	2
933	Fault-tolerant linear broadcasting. Lecture Notes in Computer Science, 1994, , 207-217.	1.0	0
934	Representations of gossip schemes. Lecture Notes in Computer Science, 1994, , 251-265.	1.0	1
935	Waking up an anonymous faulty network from a single source. , 1994, , .		2
936	Token transfer in a faulty network. RAIRO - Theoretical Informatics and Applications, 1995, 29, 383-400.	0.5	1
938	Leaf communications in complete trees. Lecture Notes in Computer Science, 1996, , 347-352.	1.0	1
939	Gossip in trees under line-communication mode. Lecture Notes in Computer Science, 1996, , 333-340.	1.0	5
941	Optimal fault-tolerant broadcasting in trees. Lecture Notes in Computer Science, 1997, , 143-152.	1.0	1

#	Article	IF	CITATIONS
942	Optimal adaptive broadcasting with a bounded fraction of faulty nodes. Lecture Notes in Computer Science, 1997, , 118-129.	1.0	1
943	Randomized Gossiping by Packets in Faulty Networks. Lecture Notes in Computer Science, 1999, , 387-394.	1.0	0
944	Two Broadcasting Problems in FaultyHypercubes. Lecture Notes in Computer Science, 1999, , 173-178.	1.0	1
945	Routing Techniques in Wireless Sensor Networks. International Journal of Computer Applications, 2014, 94, 15-20.	0.2	13
946	GAFBone: A New Backbone Construction for Increasing Lifetime in Wireless Sensor Networks. International Journal of Computer Network and Information Security, 2014, 6, 18-24.	1.8	3
947	Survey on Grid based Energy Efficient Routing Protocols in Wireless Sensor Networks. International Journal of Computer Applications, 2014, 101, 1-6.	0.2	0
948	Multi-Sensor Fault Estimation. , 2014, , 249-280.		0
950	An Analytical Survey on Routing Protocols for Wireless Sensor Network (WSN). International Journal of Computer Applications, 2014, 107, 40-45.	0.2	1
953	Design, Architecture, and Security Issues in Wireless Sensor Networks. Advances in Information Security, Privacy, and Ethics Book Series, 2015, , 211-237.	0.4	11
954	Performance Evaluation of routing algorithms used in largescale WSN: A Step Towards A Smart City. Przeglad Elektrotechniczny, 2015, 1, 98-102.	0.1	1
955	Analyses of Energy-Aware Geographic Routing Protocols for Wireless Sensor Networks. Lecture Notes on Information Theory, 2017, 5, 44-48.	0.1	0
957	Communication Networks, Externalities and the Price of Information. SSRN Electronic Journal, 0, , .	0.4	0
958	Routing Algorithm for Minimum Energy Communication Through Multi Path Propagation. SSRN Electronic Journal, 0, , .	0.4	0
959	Help Your Busy Neighbors: Dynamic Multicasts over Static Topologies. Lecture Notes in Computer Science, 2018, , 636-647.	1.0	0
961	Wireless Sensor Network Technology and Networking Algorithms for Wireless Sensor Network Applications: A Survey. International Journal for Research in Applied Science and Engineering Technology, 2018, 6, 662-670.	0.1	1
962	Reachability of Five Gossip Protocols. Lecture Notes in Computer Science, 2019, , 218-231.	1.0	0
963	Existence of an Optimal Perpetual Gossiping Scheme for Arbitrary Networks. Lecture Notes in Networks and Systems, 2020, , 154-163.	0.5	1
964	Enhancing network lifetime with an improved MOD- LEACH. International Journal of Electrical and Computer Engineering, 2019, 9, 3615.	0.5	2

#	Article	IF	CITATIONS
965	Discordant Voting Protocols for Cyclically Linked Agents. Electronic Journal of Combinatorics, 2020, 27, .	0.2	0
966	ENERGY EFFICIENT ROUTING PROTOCOL FOR INCREASING LIFETIME OF WIRELESS SENSOR NETWORK. International Journal of Engineering Technologies and Management Research, 2020, 5, 240-248.	0.1	0
967	A Survey on Architecture and Protocols for Wireless Sensor Networks. Lecture Notes in Networks and Systems, 2021, , 127-141.	0.5	0
969	Rules for Optimal Perpetual Gossiping Schemes. , 2020, , .		0
970	Robustness and Failure Detection in Epistemic Gossip Protocols. Lecture Notes in Computer Science, 2020, , 20-35.	1.0	0
971	Routing Protocols in Wireless Sensor Networks. , 2020, , 40-84.		0
972	Dealing with Unreliable Agents in Dynamic Gossip. Lecture Notes in Computer Science, 2020, , 51-67.	1.0	0
973	Serendipity Reloaded. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 0, , 90-118.	0.5	0
975	Rapid Almost-Complete Broadcasting in Faulty Networks. , 2007, , 246-260.		1
976	Deterministic Models of Communication Faults. Lecture Notes in Computer Science, 2008, , 52-67.	1.0	0
977	Data gathering tours in sensor networks. , 2006, , .		5
979	Localized power-aware routing with an energy-efficient pipelined wakeup schedule for wireless sensor networks. Turkish Journal of Electrical Engineering and Computer Sciences, 0, , .	0.9	4
981	Tetrahedron and Euclidean Distance Based Decentralized Relative Localization for Multi-Robot Systems. , 2020, , .		0
982	Approximation Algorithms inÂGraphs withÂKnown Broadcast Time ofÂtheÂBase Graph. Lecture Notes in Computer Science, 2022, , 305-316.	1.0	2
983	Time-Varying Dual Accelerated Gradient Ascent: A Fast Network Optimization Algorithm. Journal of Parallel and Distributed Computing, 2022, , .	2.7	0
984	A matheuristic approach for the minimum broadcast time problem using a biased randomâ€key genetic algorithm. International Transactions in Operational Research, 2024, 31, 246-273.	1.8	4
986	The global neuronal workspace as a broadcasting network. Network Neuroscience, 2022, 6, 1186-1204.	1.4	1
987	Brief Announcement: Broadcasting Time in Dynamic Rooted Trees is Linear. , 2022, , .		1

IF ARTICLE CITATIONS # Distributed LEO Satellite Virtual Swarm., 2022,,. 988 0 A Non-central Multi-Agent Routing Protocol of Self-organized Wireless Network for Missile Swarm Communication., 2022,,. The Limits toÂGossip: Second-Order Shared Knowledge ofÂAll Secrets is Unsatisfiable. Lecture Notes in 990 1.0 1 Computer Science, 2022, , 237-249. Maximizing reachability in a temporal graph obtained byÂassigning starting times to a collection of 991 walks. Networks, 0, , . Intelligent Water Drops Algorithm-Based Aggregation in Heterogeneous Wireless Sensor Network. 992 0.6 8 Journal of Sensors, 2022, 2022, 1-12. Clustering Models Based on Graph Edge Coloring. Journal of Communications Technology and 0.2 Electronics, 2022, 67, 1570-1577. 994 Computation and communication refinement for multiprocessor SoC design., 2004,,. 0 Timeliness Through Telephones: Approximating Information Freshness in Vector Clock Models., 2023,, 2411-2428. 996 Everyone Knows That Everyone Knows: Gossip Protocols for Super Experts. Studia Logica, 0, , . 0.4 1 Broadcast graphs using new dimensional broadcast schemes for Knödel graphs. Discrete Applied Mathematics, 2023, 336, 56-67. Broadcast Graphs with Nodes of Limited Memory. Springer Proceedings in Complexity, 2022, , 29-42. 998 2 0.2 Energy and Lifetime Aware Routing Protocols for WSNs. Signals and Communication Technology, 999 0.4 2023, 245-309. Efficient Heuristic forÂBroadcasting inÂChordal Networks. Lecture Notes in Networks and Systems, 1000 0.5 1 2023, , 332-345. Literature Study of Resource Optimization in IWNs. Wireless Networks, 2023, , 13-24. 0.3 Strong bounds and exact solutions to the minimum broadcast time problem. International 1002 1.8 1 Transactions in Operational Research, 0, , . Broadcasting inÂSplit Graphs. Lecture Notes in Computer Science, 2023, , 278-292. 1.0 Fully-adaptive Model for Broadcasting with Universal Lists., 2022,,. 2 1004 Sensors, Machine Vision, and Sensor Networks. Springer Handbooks, 2023, , 315-333.

#	Article	IF	CITATIONS
1007	Broadcasting in chains of rings. , 2023, , .		3
1008	Typology of the reality of gossiping actions in the campus social system. AIP Conference Proceedings, 2023, , .	0.3	0
1010	Parameterized Complexity ofÂBroadcasting inÂGraphs. Lecture Notes in Computer Science, 2023, , 334-347.	1.0	1
1011	Broadcasting in interconnection networks based on node partitioning. , 2023, , .		0
1014	Improved Approximation forÂBroadcasting inÂk-Path Graphs. Lecture Notes in Computer Science, 2024, , 111-122.	1.0	0
1017	k-Slow Burning: Complexity and Upper Bounds. AIRO Springer Series, 2024, , 67-79.	0.4	0