Shlomi Dolev

List of Publications by Year
in descending order

260 papers	5,075 citations	201575 27 h-index	155592 55 g-index
285 all docs	285 docs citations	285 times ranked	2575 citing authors

#	Article	IF	Citations
1	Forgive and forget: Self‐stabilizing swarms in spite of Byzantine robots. Concurrency Computation Practice and Experience, 2023, 35, e6123.	1.4	1
2	Self-Stabilizing Secure Computation. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 33-38.	3.7	0
3	Efficient and Privacy Preserving Approximation of Distributed Statistical Queries. IEEE Transactions on Big Data, 2022, 8, 1399-1413.	4.4	2
4	Communicationless Evaluation of Quadratic Functions over Secret Shared Dynamic Database. SN Computer Science, 2022, 3, 1.	2.3	0
5	Coordinating Amoebots via Reconfigurable Circuits. Journal of Computational Biology, 2022, 29, 317-343.	0.8	1
6	Wavelet-based dynamic and privacy-preserving similitude data models for edge computing. Wireless Networks, 2021, 27, 351-366.	2.0	6
7	Meta-X: A Technique for Reducing Communication in Geographically Distributed Computations. Lecture Notes in Computer Science, 2021, , 467-486.	1.0	0
8	Blindly Follow: SITS CRT and FHE for DCLSMPC of DUFSM (Extended Abstract). Lecture Notes in Computer Science, 2021, , 487-496.	1.0	3
9	Logarithmic Time MIMO Based Self-Stabilizing Clock Synchronization. , 2021, , .		0
10	Toward Self-stabilizing Blockchain, Reconstructing Totally Erased Blockchain (Preliminary Version). Lecture Notes in Computer Science, 2020, , 175-192.	1.0	2
11	Towards synchronizing radio communication of In-Vivo nanorobots. Nano Futures, 2020, 4, 035008.	1.0	2
12	Invited Paper: Homomorphic Operations Techniques Yielding Communication Efficiency. Lecture Notes in Computer Science, 2020, , 16-28.	1.0	1
13	Invited Paper: Reactive PLS for Distributed Decision. Lecture Notes in Computer Science, 2020, , 81-96.	1.0	0
14	SodsMPC: FSM based Anonymous and Private Quantum-safe Smart Contracts. , 2020, , .		3
15	Privacy-Preserving Secret Shared Computations using MapReduce. IEEE Transactions on Dependable and Secure Computing, 2019, , 1-1.	3.7	9
16	Towards radio transceiving in-vivo nano-robots. SN Applied Sciences, 2019, 1, 1.	1.5	2
17	Self-stabilizing Byzantine Consensus for Blockchain. Lecture Notes in Computer Science, 2019, , 106-110.	1.0	2
18	Explicit Communication Among Stigmergic Robots. International Journal of Foundations of Computer Science, 2019, 30, 315-332.	0.8	2

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19	Design of nanorobots for exposing cancer cells. Nanotechnology, 2019, 30, 315501.	1.3	18
20	Deep Neural Networks as Similitude Models for Sharing Big Data. , 2019, , .		1
21	Forgive & Forget: Self-Stabilizing Swarms in Spite of Byzantine Robots. , 2019, , .		2
22	Accumulating automata and cascaded equations automata for communicationless information theoretically secure multi-party computation. Theoretical Computer Science, 2019, 795, 81-99.	0.5	13
23	Upper bounds for multi-level multi-server paging. Information Processing Letters, 2019, 142, 72-76.	0.4	0
24	Perennial secure multi-party computation of universal Turing machine. Theoretical Computer Science, 2019, 769, 43-62.	0.5	3
25	A Survey on Geographically Distributed Big-Data Processing Using MapReduce. IEEE Transactions on Big Data, 2019, 5, 60-80.	4.4	43
26	Network Cloudification. Lecture Notes in Computer Science, 2019, , 249-259.	1.0	3
27	MLDStore. Lecture Notes in Computer Science, 2019, , 93-96.	1.0	2
28	Big data interpolation using functional representation. Acta Informatica, 2018, 55, 213-225.	0.5	0
29	Design of Nano-Robots for Exposing Cancer Cells. , 2018, , .		4
30	Make&activate-before-break for seamless SDN route updates. Computer Networks, 2018, 147, 81-97.	3.2	7
31	Practically-self-stabilizing virtual synchrony. Journal of Computer and System Sciences, 2018, 96, 50-73.	0.9	10
32	Make&Activate-Before-Break: Policy Preserving Seamless Routes Replacement in SDN. Lecture Notes in Computer Science, 2018, , 34-37.	1.0	3
33	Self-stabilizing Byzantine Tolerant Replicated State Machine Based on Failure Detectors. Lecture Notes in Computer Science, 2018, , 84-100.	1.0	8
34	One-Round Secure Multiparty Computation of Arithmetic Streams and Functions. Lecture Notes in Computer Science, 2018, , 255-273.	1.0	1
35	Assignment Problems of Different-Sized Inputs in MapReduce. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-35.	2.5	5
36	Dynamic attribute based vehicle authentication. Wireless Networks, 2017, 23, 1045-1062.	2.0	5

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37	Functional encryption for cascade automata. Information and Computation, 2017, 255, 384-407.	0.5	0
38	Improving of entropy adaptive on-line compression. Wireless Networks, 2017, 23, 2521-2532.	2.0	0
39	Blockchain abbreviation: Implemented by message passing and shared memory (Extended abstract). , 2017, , .		4
40	Relationship of Jaccard and edit distance in malware clustering and online identification (Extended) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		6
41	Efficient and private approximations of distributed databases calculations. , 2017, , .		3
42	Programming reflexes (Extended abstract). , 2017, , .		0
43	Dependence graph and master switch for seamless dependent routes replacement in SDN (extended) Tj ETQq1 1 0.784314 rgBT /Overl		6
44	Self-stabilizing Reconfiguration. Lecture Notes in Computer Science, 2017, , 51-68.	1.0	3
45	Monitorability Bounds via Expander, Sparsifier and Random Walks. Lecture Notes in Computer Science, 2017, , 307-321.	1.0	2
46	Self-stabilizing Reconfiguration. , 2016, , .		4
47	Concise essence-preserving big data representation. , 2016, , .		2
48	Local Self-Organization with Strong Privacy Protection. , 2016, , .		3
49	Mending the big-data missing information. , 2016, , .		0
50	In-vivo energy harvesting nano robots. , 2016, , .		10
51	Peripheral authentication for autonomous vehicles. , 2016, , .		4
52	Magnifying computing gaps. Theoretical Computer Science, 2016, 636, 17-26.	0.5	1
53	Security and privacy aspects in MapReduce on clouds: A survey. Computer Science Review, 2016, 20, 1-28.	10.2	67
54	DPDNS 2016 Keynote. , 2016, , .		0

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55	Proactive Secret Sharing with a Dishonest Majority. Lecture Notes in Computer Science, 2016, , 529-548.	1.0	10
56	All-optical design for inherently energy-conserving reversible gates and circuits. Nature Communications, 2016, 7, 11424.	5.8	17
57	Optical PUF for Non-Forwardable Vehicle Authentication. Computer Communications, 2016, 93, 52-67.	3.1	9
58	Vehicle authentication via monolithically certified public key and attributes. Wireless Networks, 2016, 22, 879-896.	2.0	24
59	Secret Shared Random Access Machine. Lecture Notes in Computer Science, 2016, , 19-34.	1.0	6
60	Towards holographic â€œbrainâ€•memory based on randomization and Walshâ€"Hadamard transformation. Neural Networks, 2016, 77, 87-94.	3.3	3
61	Self-stabilizing Byzantine-Tolerant Distributed Replicated State Machine. Lecture Notes in Computer Science, 2016, , 36-53.	1.0	8
62	Optical PUF for Non Forwardable Vehicle Authentication. , 2015, , .		4
63	Probabilistic connectivity threshold for directional antenna widths. Theoretical Computer Science, 2015, 584, 103-114.	0.5	0
64	Securing the infrastructure and the workloads of linux containers. , 2015, , .		38
65	Optical SuperComputing: Preface to special issue. Natural Computing, 2015, 14, 431-432.	1.8	0
66	Seamless SDN Route Updates. , 2015, , .		12
67	Graph Degree Sequence Solely Determines the Expected Hopfield Network Pattern Stability. Neural Computation, 2015, 27, 202-210.	1.3	4
68	Practically stabilizing SWMR atomic memory in message-passing systems. Journal of Computer and System Sciences, 2015, 81, 692-701.	0.9	17
69	Compressive scanning of an object signature. Natural Computing, 2015, 14, 457-467.	1.8	0
70	Accumulating Automata and Cascaded Equations Automata for Communicationless Information Theoretically Secure Multi-Party Computation. , 2015, , .		11
71	Stabilizing Server-Based Storage in Byzantine Asynchronous Message-Passing Systems. , 2015, , .		11
72	Towards efficient private distributed computation on unbounded input streams. Journal of Mathematical Cryptology, 2015, 9, .	0.4	6

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73	Self-* programming: run-time parallel control search for reflection box. Evolving Systems, 2015, 6, 23-40.	2.4	1
74	Holographic parallel processor for calculating Kronecker product. Natural Computing, 2015, 14, 433-436.	1.8	4
75	Rendezvous tunnel for anonymous publishing. Peer-to-Peer Networking and Applications, 2015, 8, 352-366.	2.6	7
76	Self-stabilizing Virtual Synchrony. Lecture Notes in Computer Science, 2015, , 248-264.	1.0	9
77	Proactive Contention Avoidance. Lecture Notes in Computer Science, 2015, , 228-241.	1.0	0
78	Archiving Programs for the Future. , 2015, , .		0
79	Rationality Authority for Provable Rational Behavior. Lecture Notes in Computer Science, 2015, , 33-48.	1.0	0
80	Amoebot - a new model for programmable matter. , 2014, , .		45
81	Entropy Adaptive On-Line Compression. , 2014, , .		2
82	Self-Stabilizing Virtual Machine Hypervisor Architecture for Resilient Cloud. , 2014, , .		6
83	Dynamic Attribute Based Vehicle Authentication. , 2014, , .		6
84	SDN-Based Private Interconnection. , 2014, , .		6
85	Deterministic and Energy-Optimal Wireless Synchronization. ACM Transactions on Sensor Networks, 2014, 11, 1-25.	2.3	2
86	Sensor networks: From dependence analysis via matroid bases to online synthesis. Theoretical Computer Science, 2014, 553, 2-17.	0.5	0
87	Information security for sensors by overwhelming random sequences and permutations. Ad Hoc Networks, 2014, 12, 193-200.	3.4	2
88	Direction election in flocking swarms. Ad Hoc Networks, 2014, 12, 250-258.	3.4	13
89	Efficient private multi-party computations of trust in the presence of curious and malicious users. Journal of Trust Management, 2014, 1, 8.	0.4	9
90	Practically Self-stabilizing Paxos Replicated State-Machine. Lecture Notes in Computer Science, 2014, , 99-121.	1.0	17

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91	Stateless Stabilization Bootstrap (Extended Abstract). Lecture Notes in Computer Science, 2014, , 180-194.	1.0	2
92	Holographic â€œBrainâ€•Memory and Computation. , 2014, , .		1
93	Abort Free SemanticTM by Dependency Aware Scheduling of Transactional Instructions. Lecture Notes in Computer Science, 2014, , 25-40.	1.0	4
94	Preserving Hamming Distance in Arithmetic and Logical Operations. Journal of Electronic Testing: Theory and Applications (JETTA), 2013, 29, 903-907.	0.9	6
95	Efficient and Universal Corruption Resilient Fountain Codes. IEEE Transactions on Communications, 2013, 61, 4058-4066.	4.9	3
96	Unique permutation hashing. Theoretical Computer Science, 2013, 475, 59-65.	0.5	3
97	Spanders: Distributed spanning expanders. Science of Computer Programming, 2013, 78, 544-555.	1.5	6
98	Optical solver of combinatorial problems: nanotechnological approach. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1845.	0.8	4
99	Exploiting simultaneous usage of different wireless interfaces for security and mobility. , 2013, , .		1
100	Self-stabilizing Byzantine Resilient Topology Discovery and Message Delivery. Lecture Notes in Computer Science, 2013, , 351-353.	1.0	3
101	Object Signature Acquisition through Compressive Scanning. Lecture Notes in Computer Science, 2013, , 105-116.	1.0	1
102	Nested Merkleâ€™s Puzzles against Sampling Attacks. Lecture Notes in Computer Science, 2013, , 157-174.	1.0	1
103	Towards Efficient Private Distributed Computation on Unbounded Input Streams. Lecture Notes in Computer Science, 2013, , 69-83.	1.0	1
104	Parallel decomposition of combinatorial optimization problems using electro-optical vector by matrix multiplication architecture. Journal of Supercomputing, 2012, 62, 633-655.	2.4	5
105	Optical supercomputing: introduction to special issue. Journal of Supercomputing, 2012, 62, 617-619.	2.4	0
106	Anonymous transactions in computer networks. ACM Transactions on Autonomous and Adaptive Systems, 2012, 7, 1-14.	0.4	0
107	Permanent Revocation in Attribute Based Broadcast Encryption. , 2012, , .		0
108	Heuristics for Speeding Up Betweenness Centrality Computation. , 2012, , .		23

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109	Secret swarm unit. Ad Hoc Networks, 2012, 10, 1291-1305.	3.4	7
110	Editorial for Algorithmic Aspects of Wireless Sensor Networks. Theoretical Computer Science, 2012, 453, 1.	0.5	0
111	Adaptive Hierarchical Network Structures for Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 65-80.	0.2	0
112	Stabilization Enabling Technology. IEEE Transactions on Dependable and Secure Computing, 2012, 9, 275-288.	3.7	5
113	Detecting unknown malicious code by applying classification techniques on OpCode patterns. Security Informatics, 2012, 1, .	2.5	181
114	Self-stabilizing End-to-End Communication in (Bounded Capacity, Omitting, Duplicating and non-FIFO) Dynamic Networks. Lecture Notes in Computer Science, 2012, , 133-147.	1.0	18
115	TTLed Random Walks for Collaborative Monitoring in Mobile and Social Networks. Springer Optimization and Its Applications, 2012, , 507-538.	0.6	1
116	On-Line Detection and Prediction of Temporal Patterns. Lecture Notes in Computer Science, 2012, , 254-256.	1.0	0
117	Crash Resilient and Pseudo-Stabilizing Atomic Registers. Lecture Notes in Computer Science, 2012, , 135-150.	1.0	4
118	Analyzing group communication for preventing data leakage via email. , 2011, , .		19
119	Strategies for repeated games with subsystem takeovers implementable by deterministic and self-stabilising automata. International Journal of Autonomous and Adaptive Communications Systems, 2011, 4, 4.	0.2	9
120	Energy-efficient optical acquisition schemes in wireless sensor networks. Wireless Networks, 2011, 17, 1809-1819.	2.0	0
121	Recovery oriented programming: runtime monitoring of safety and liveness. International Journal on Software Tools for Technology Transfer, 2011, 13, 377-395.	1.7	4
122	RFID Authentication Efficient Proactive Information Security withinÂComputational Security. Theory of Computing Systems, 2011, 48, 132-149.	0.7	10
123	Robust and scalable middleware for selfish-computer systems. Computer Science Review, 2011, 5, 69-84.	10.2	3
124	Stabilizing data-link over non-FIFO channels with optimal fault-resilience. Information Processing Letters, 2011, 111, 912-920.	0.4	23
125	Innovative approaches for security of small artefacts. Computer Science Review, 2011, 5, 47-55.	10.2	0
126	Rationality authority for provable rational behavior. , 2011, , .		3

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127	TRAWLING TRAFFIC UNDER ATTACK OVERCOMING DDoS ATTACKS BY TARGET-CONTROLLED TRAFFIC FILTERING. International Journal of Foundations of Computer Science, 2011, 22, 1073-1098.	0.8	1
128	A Decision Support System for Placement of Intrusion Detection and Prevention Devices in Large-Scale Networks. ACM Transactions on Modeling and Computer Simulation, 2011, 22, 1-26.	0.6	41
129	Compressive Sensing of Object-Signature. Lecture Notes in Computer Science, 2011, , 63-77.	1.0	2
130	Leveraging Channel Diversity to Gain Efficiency and Robustness for Wireless Broadcast. Lecture Notes in Computer Science, 2011, , 252-267.	1.0	13
131	Self-Stabilizing and Self-Organizing Virtual Infrastructures for Mobile Networks. Monographs in Theoretical Computer Science, 2011, , 621-653.	0.6	1
132	Holographic Computation of Balanced Succinct Permanent Instances. Lecture Notes in Computer Science, 2011, , 100-112.	1.0	0
133	Pragmatic Self-stabilization of Atomic Memory in Message-Passing Systems. Lecture Notes in Computer Science, 2011, , 19-31.	1.0	5
134	Stabilizing trust and reputation for self-stabilizing efficient hosts in spite of byzantine guests. Operating Systems Review (ACM), 2010, 44, 65-74.	1.5	1
135	Randomization adaptive self-stabilization. Acta Informatica, 2010, 47, 313-323.	0.5	4
136	Game authority for robust and scalable distributed selfish-computer systems. Theoretical Computer Science, 2010, 411, 2459-2466.	0.5	5
137	A framework for robust active super tier systems. International Journal on Software Tools for Technology Transfer, 2010, 12, 53-67.	1.7	1
138	Optical solution for hard on average #P-complete instances (using exponential space for solving)	1.8	9
139	Introduction to special issue on Optical SuperComputing. Natural Computing, 2010, 9, 889-890.	1.8	0
140	Google Android: A Comprehensive Security Assessment. IEEE Security and Privacy, 2010, 8, 35-44.	1.5	275
141	When consensus meets self-stabilization. Journal of Computer and System Sciences, 2010, 76, 884-900.	0.9	23
142	Masking traveling beams: Optical solutions for NP-complete problems, trading space for time. Theoretical Computer Science, 2010, 411, 837-853.	0.5	33
143	The role of optics in computing. Nature Photonics, 2010, 4, 406-407.	15.6	16
144	Why future supercomputing requires optics. Nature Photonics, 2010, 4, 261-263.	15.6	546

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145	TTLed Random Walks for Collaborative Monitoring. , 2010, , .		8
146	Multiplication free holographic coding. , 2010, , .		2
147	Rendezvous tunnel for anonymous publishing. , 2010, , .		2
148	Information security for sensors by overwhelming random sequences and permutations. , 2010, , .		1
149	Computing multi-party trust privately. , 2010, , .		10
150	Routing betweenness centrality. Journal of the ACM, 2010, 57, 1-27.	1.8	126
151	Spanders. , 2010, , .		14
152	Purifying data by machine learning with certainty levels. , 2010, , .		2
153	Direction election in flocking swarms. , 2010, , .		4
154	Information security for sensors by overwhelming random sequences and permutations. , 2010, , .		2
155	Swarming secrets. , 2009, , .		11
156	The wireless synchronization problem. , 2009, , .		31
157	Self-stabilization preserving compiler. ACM Transactions on Programming Languages and Systems, 2009, 31, 1-42.	1.7	9
158	Empire of colonies: Self-stabilizing and self-organizing distributed algorithm. Theoretical Computer Science, 2009, 410, 514-532.	0.5	48
159	Incremental deployment of network monitors based on Group Betweenness Centrality. Information Processing Letters, 2009, 109, 1172-1176.	0.4	35
160	Stability of Multi-Valued Continuous Consensus11Preliminary Version, Some proofs are omitted from this version.. Electronic Notes in Theoretical Computer Science, 2009, 230, 23-38.	0.9	1
161	High-speed and low-power electro-optical DSP coprocessor. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, A11.	0.8	29
162	Heuristic Certificates via Approximations. , 2009, , .		0

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163	Trawling Traffic under Attack, Overcoming DDoS Attacks by Target-Controlled Traffic Filtering. , 2009, , .		5
164	Combinatorial Optimization Using Electro-Optical Vector by Matrix Multiplication Architecture. Lecture Notes in Computer Science, 2009, , 130-143.	1.0	3
165	Safe and Eventually Safe: Comparing Self-stabilizing and Non-stabilizing Algorithms on a Common Ground. Lecture Notes in Computer Science, 2009, , 315-329.	1.0	8
166	Searching for a lion in the desert. Mobile Computing and Communications Review, 2009, 12, 32-42.	1.7	2
167	Optical Designs for Non-deterministic Turing Machines. Lecture Notes in Computer Science, 2009, , 47-55.	1.0	0
168	A self-stabilizing autonomic recoverer for eventual Byzantine software. Journal of Systems and Software, 2008, 81, 2315-2327.	3.3	10
169	HyperTree for self-stabilizing peer-to-peer systems. Distributed Computing, 2008, 20, 375-388.	0.7	19
170	Introduction to special issue dedicated to the DISC 20th anniversary. Distributed Computing, 2008, 20, 389-390.	0.7	0
171	Towards Self-Stabilizing Operating Systems. IEEE Transactions on Software Engineering, 2008, 34, 564-576.	4.3	8
172	Self-stabilizing device drivers. ACM Transactions on Autonomous and Adaptive Systems, 2008, 3, 1-29.	0.4	1
173	CAR-STM. , 2008, , .		88
174	Secure communication over radio channels. , 2008, , .		50
175	Self-stabilizing and self-organizing mobile networks. , 2008, , .		1
176	Self-* Programming: Run-Time Parallel Control Search for Reflection Box. , 2008, , .		4
177	Optimization of NIDS Placement for Protection of Intercommunicating Critical Infrastructures. Lecture Notes in Computer Science, 2008, , 191-203.	1.0	15
178	Unknown Malcode Detection Using OPCODE Representation. Lecture Notes in Computer Science, 2008, , 204-215.	1.0	116
179	Strategies for repeated games with subsystem takeovers: implementable by deterministic and self-stabilizing automata (extended abstract). , 2008, , .		3
180	Tutorial Abstract Virtual Infrastructure. Lecture Notes in Computer Science, 2008, , 263-264.	1.0	0

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181	Game authority for robust andscalable distributed selfish-computer systems. , 2007, , .		4
182	Fast algorithm for successive computation of group betweenness centrality. Physical Review E, 2007, 76, 056709.	0.8	52
183	Optical solution for bounded NP-complete problems. Applied Optics, 2007, 46, 711.	2.1	53
184	Stability of Multivalued Continuous Consensus. SIAM Journal on Computing, 2007, 37, 1057-1076.	0.8	9
185	Self-Stabilization as a Foundation for Autonomic Computing. , 2007, , .		7
186	Parallel composition for time-to-fault adaptive stabilization. Distributed Computing, 2007, 20, 29-38.	0.7	4
187	Transient fault detectors. Distributed Computing, 2007, 20, 39-51.	0.7	17
188	Secret Swarm Unit Reactive kâ€‰â°̂’Secret Sharing. , 2007, , 123-137.		17
189	A review of the DISC 2006 conference. ACM SIGACT News, 2007, 38, 46-52.	0.1	0
190	Magnifying Computing Gaps Establishing Encrypted Communication over Unidirectional Channels (Extended Abstract). , 2007, , 253-265.		2
191	Stabilizing Trust and Reputation for Self-Stabilizing Efficient Hosts in Spite of Byzantine Guests (Extended Abstract). , 2007, , 266-280.		0
192	Searching for a Lion in the Desert Acquisition Algorithms for Networks of Sensors. , 2006, , .		1
193	Polygonal broadcast, secret maturity, and the firing sensors. Ad Hoc Networks, 2006, 4, 447-486.	3.4	11
194	Dynamic load balancing with group communication. Theoretical Computer Science, 2006, 369, 348-360.	0.5	13
195	Memory Management for Self-Stabilizing Operating Systems. Journal of Aerospace Computing, Information, and Communication, 2006, 3, 260-280.	0.8	1
196	Introduction: Self Stabilization. Journal of Aerospace Computing, Information, and Communication, 2006, 3, 402-402.	0.8	0
197	Introduction: Self Stabilization. Journal of Aerospace Computing, Information, and Communication, 2006, 3, 486-486.	0.8	0
198	Empire of Colonies Self-stabilizing and Self-organizing Distributed Algorithms. Lecture Notes in Computer Science, 2006, , 230-243.	1.0	8

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199	Secure Communication for RFIDs Proactive Information Security Within Computational Security. Lecture Notes in Computer Science, 2006, , 290-303.	1.0	7
200	When Consensus Meets Self-stabilization. Lecture Notes in Computer Science, 2006, , 45-63.	1.0	6
201	Recovery Oriented Programming. Lecture Notes in Computer Science, 2006, , 152-168.	1.0	6
202	GeoQuorums: implementing atomic memory in mobile ad hoc networks. Distributed Computing, 2005, 18, 125-155.	0.7	27
203	Geographic Quorum System Approximations. Algorithmica, 2005, 41, 233-244.	1.0	9
204	Autonomous virtual mobile nodes. , 2005, , .		9
205	Autonomous virtual mobile nodes. , 2005, , .		9
206	Self-stabilization Preserving Compiler. Lecture Notes in Computer Science, 2005, , 81-95.	1.0	6
207	Self-stabilizing Mobile Node Location Management and Message Routing. Lecture Notes in Computer Science, 2005, , 96-112.	1.0	14
208	Memory Management for Self-stabilizing Operating Systems. Lecture Notes in Computer Science, 2005, , 113-127.	1.0	10
209	Self Stabilization. Journal of Aerospace Computing, Information, and Communication, 2004, 1, 253-255.	0.8	3
210	Self-stabilizing clock synchronization in the presence of Byzantine faults. Journal of the ACM, 2004, 51, 780-799.	1.8	105
211	Self-stabilizing group communication in directed networks. Acta Informatica, 2004, 40, 609.	0.5	17
212	Virtual Mobile Nodes for Mobile Ad Hoc Networks. Lecture Notes in Computer Science, 2004, , 230-244.	1.0	54
213	Safety assurance via on-line monitoring. Distributed Computing, 2003, 16, 269-277.	0.7	5
214	Stability of long-lived consensus. Journal of Computer and System Sciences, 2003, 67, 26-45.	0.9	18
215	GeoQuorums: Implementing Atomic Memory in Mobile Ad Hoc Networks. Lecture Notes in Computer Science, 2003, , 306-320.	1.0	40
216	Self-Stabilizing Group Communication in Directed Networks (Extended Abstract). Lecture Notes in Computer Science, 2003, , 61-76.	1.0	1

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217	Random walk for self-stabilizing group communication in ad hoc networks. , 2002, , .		17
218	Local Stabilizer. Journal of Parallel and Distributed Computing, 2002, 62, 745-765.	2.7	29
219	Self-stabilizing â„“-exclusion. Theoretical Computer Science, 2001, 266, 653-692.	0.5	16
220	Smooth and adaptive forward erasure correcting. Computer Networks, 2001, 36, 343-355.	3.2	5
221	The Sound of Silence: Guessing Games for Saving Energy in a Mobile Environment. Journal of Parallel and Distributed Computing, 2001, 61, 868-883.	2.7	2
222	Dijkstraâ€™s Self-Stabilizing Algorithm in Unsupportive Environments. Lecture Notes in Computer Science, 2001, , 67-81.	1.0	10
223	Communication Adaptive Self-Stabilizing Group Membership Service. Lecture Notes in Computer Science, 2001, , 82-97.	1.0	4
224	Bounded latency scheduling scheme for ATM cells. Computer Networks, 2000, 32, 325-331.	3.2	8
225	Stability of long-lived consensus (extended abstract). , 2000, , .		2
226	Xor-trees for efficient anonymous multicast and reception. ACM Transactions on Information and System Security, 2000, 3, 63-84.	4.5	44
227	Bubbles: Adaptive Routing Scheme for High-Speed Dynamic Networks. SIAM Journal on Computing, 2000, 29, 804-833.	0.8	20
228	Self-Stabilization. , 2000, , .		698
229	The sound of silence---guessing games for saving energy in mobile environment. , 1999, , .		4
230	Non-Preemptive Real-Time Scheduling of Multimedia Tasks. , 1999, 17, 23-39.		18
231	Memory requirements for silent stabilization. Acta Informatica, 1999, 36, 447-462.	0.5	81
232	Baked-Potato Routing. Journal of Algorithms, 1999, 30, 379-399.	0.9	4
233	A competitive analysis for retransmission timeout. Networks, 1999, 34, 73-80.	1.6	0
234	Optimal Time Self-Stabilization in Uniform Dynamic Systems. Parallel Processing Letters, 1998, 08, 7-18.	0.4	15

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235	Transient fault detectors. Lecture Notes in Computer Science, 1998, , 62-74.	1.0	11
236	Local stabilizer. , 1997, , .		20
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