

Shlomi Dolev

List of Publications by Year in descending order

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Version: 2024-02-01

260
papers

5,075
citations

201674

27
h-index

155660

55
g-index

285
all docs

285
docs citations

285
times ranked

2575
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Stabilization. , 2000, , .		698
2	Why future supercomputing requires optics. Nature Photonics, 2010, 4, 261-263.	31.4	546
3	Google Android: A Comprehensive Security Assessment. IEEE Security and Privacy, 2010, 8, 35-44.	1.2	275
4	Self-stabilization of dynamic systems assuming only read/write atomicity. Distributed Computing, 1993, 7, 3-16.	0.8	211
5	Detecting unknown malicious code by applying classification techniques on OpCode patterns. Security Informatics, 2012, 1, .	2.5	181
6	Routing betweenness centrality. Journal of the ACM, 2010, 57, 1-27.	2.2	126
7	Uniform dynamic self-stabilizing leader election. IEEE Transactions on Parallel and Distributed Systems, 1997, 8, 424-440.	5.6	120
8	Unknown Malcode Detection Using OPCODE Representation. Lecture Notes in Computer Science, 2008, , 204-215.	1.3	116
9	Self-stabilizing clock synchronization in the presence of Byzantine faults. Journal of the ACM, 2004, 51, 780-799.	2.2	105
10	Self-stabilizing depth-first search. Information Processing Letters, 1994, 49, 297-301.	0.6	100
11	CAR-STM. , 2008, , .		88
12	Memory requirements for silent stabilization. Acta Informatica, 1999, 36, 447-462.	0.5	81
13	MAINTAINING DIGITAL CLOCKS IN STEP. Parallel Processing Letters, 1991, 01, 11-18.	0.6	71
14	Security and privacy aspects in MapReduce on clouds: A survey. Computer Science Review, 2016, 20, 1-28.	15.3	67
15	Virtual Mobile Nodes for Mobile Ad Hoc Networks. Lecture Notes in Computer Science, 2004, , 230-244.	1.3	54
16	Optical solution for bounded NP-complete problems. Applied Optics, 2007, 46, 711.	2.1	53
17	Fast algorithm for successive computation of group betweenness centrality. Physical Review E, 2007, 76, 056709.	2.1	52
18	Self-stabilization by local checking and global reset. Lecture Notes in Computer Science, 1994, , 326-339.	1.3	50

#	ARTICLE	IF	CITATIONS
19	Secure communication over radio channels. , 2008, , .		50
20	Empire of colonies: Self-stabilizing and self-organizing distributed algorithm. Theoretical Computer Science, 2009, 410, 514-532.	0.9	48
21	Amoebot - a new model for programmable matter. , 2014, , .		45
22	Xor-trees for efficient anonymous multicast and reception. ACM Transactions on Information and System Security, 2000, 3, 63-84.	4.5	44
23	A Survey on Geographically Distributed Big-Data Processing Using MapReduce. IEEE Transactions on Big Data, 2019, 5, 60-80.	6.1	43
24	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.	0.8	41
25	Memory requirements for silent stabilization. , 1996, , .		40
26	GeoQuorums: Implementing Atomic Memory in Mobile Ad Hoc Networks. Lecture Notes in Computer Science, 2003, , 306-320.	1.3	40
27	Securing the infrastructure and the workloads of linux containers. , 2015, , .		38
28	Resource Bounds for Self-Stabilizing Message-Driven Protocols. SIAM Journal on Computing, 1997, 26, 273-290.	1.0	37
29	Incremental deployment of network monitors based on Group Betweenness Centrality. Information Processing Letters, 2009, 109, 1172-1176.	0.6	35
30	Masking traveling beams: Optical solutions for NP-complete problems, trading space for time. Theoretical Computer Science, 2010, 411, 837-853.	0.9	33
31	SuperStabilizing protocols for dynamic distributed systems. , 1995, , .		32
32	The wireless synchronization problem. , 2009, , .		31
33	Local Stabilizer. Journal of Parallel and Distributed Computing, 2002, 62, 745-765.	4.1	29
34	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.	1.5	29
35	GeoQuorums: implementing atomic memory in mobile ad hoc networks. Distributed Computing, 2005, 18, 125-155.	0.8	27
36	Possible and Impossible Self-Stabilizing Digital Clock Synchronization in General Graphs. Real-Time Systems, 1997, 12, 95-107.	1.3	25

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37	Resource bounds for self stabilizing message driven protocols. , 1991, , .		24
38	Self-Stabilizing Routing and Related Protocols. Journal of Parallel and Distributed Computing, 1997, 42, 122-127.	4.1	24
39	Vehicle authentication via monolithically certified public key and attributes. Wireless Networks, 2016, 22, 879-896.	3.0	24
40	When consensus meets self-stabilization. Journal of Computer and System Sciences, 2010, 76, 884-900.	1.2	23
41	Stabilizing data-link over non-FIFO channels with optimal fault-resilience. Information Processing Letters, 2011, 111, 912-920.	0.6	23
42	Heuristics for Speeding Up Betweenness Centrality Computation. , 2012, , .		23
43	Uniform dynamic self-stabilizing leader election. , 1991, , 167-180.		20
44	Local stabilizer. , 1997, , .		20
45	Bubbles: Adaptive Routing Scheme for High-Speed Dynamic Networks. SIAM Journal on Computing, 2000, 29, 804-833.	1.0	20
46	Modified tree structure for location management in mobile environments. Computer Communications, 1996, 19, 335-345.	5.1	19
47	HyperTree for self-stabilizing peer-to-peer systems. Distributed Computing, 2008, 20, 375-388.	0.8	19
48	Analyzing group communication for preventing data leakage via email. , 2011, , .		19
49	Non-Preemptive Real-Time Scheduling of Multimedia Tasks. , 1999, 17, 23-39.		18
50	Stability of long-lived consensus. Journal of Computer and System Sciences, 2003, 67, 26-45.	1.2	18
51	Design of nanorobots for exposing cancer cells. Nanotechnology, 2019, 30, 315501.	2.6	18
52	Self-stabilizing End-to-End Communication in (Bounded Capacity, Omitting, Duplicating and non-FIFO) Dynamic Networks. Lecture Notes in Computer Science, 2012, , 133-147.	1.3	18
53	Random walk for self-stabilizing group communication in ad hoc networks. , 2002, , .		17
54	Self-stabilizing group communication in directed networks. Acta Informatica, 2004, 40, 609.	0.5	17

#	ARTICLE	IF	CITATIONS
55	Transient fault detectors. Distributed Computing, 2007, 20, 39-51.	0.8	17
56	Practically stabilizing SWMR atomic memory in message-passing systems. Journal of Computer and System Sciences, 2015, 81, 692-701.	1.2	17
57	All-optical design for inherently energy-conserving reversible gates and circuits. Nature Communications, 2016, 7, 11424.	12.8	17
58	Practically Self-stabilizing Paxos Replicated State-Machine. Lecture Notes in Computer Science, 2014, , 99-121.	1.3	17
59	Secret Swarm Unit Reactive "Secret Sharing. , 2007, , 123-137.		17
60	Self-stabilizing "exclusion. Theoretical Computer Science, 2001, 266, 653-692.	0.9	16
61	The role of optics in computing. Nature Photonics, 2010, 4, 406-407.	31.4	16
62	Optimal Time Self-Stabilization in Uniform Dynamic Systems. Parallel Processing Letters, 1998, 08, 7-18.	0.6	15
63	Optimization of NIDS Placement for Protection of Intercommunicating Critical Infrastructures. Lecture Notes in Computer Science, 2008, , 191-203.	1.3	15
64	Spanders. , 2010, , .		14
65	Self-stabilizing Mobile Node Location Management and Message Routing. Lecture Notes in Computer Science, 2005, , 96-112.	1.3	14
66	Optimal time self stabilization in dynamic systems. Lecture Notes in Computer Science, 1993, , 160-173.	1.3	14
67	Self-stabilizing clock synchronization with Byzantine faults. , 1995, , .		13
68	Dynamic load balancing with group communication. Theoretical Computer Science, 2006, 369, 348-360.	0.9	13
69	Direction election in flocking swarms. Ad Hoc Networks, 2014, 12, 250-258.	5.5	13
70	Accumulating automata and cascaded equations automata for communicationless information theoretically secure multi-party computation. Theoretical Computer Science, 2019, 795, 81-99.	0.9	13
71	Leveraging Channel Diversity to Gain Efficiency and Robustness for Wireless Broadcast. Lecture Notes in Computer Science, 2011, , 252-267.	1.3	13
72	Wait-free clock synchronization. , 1993, , .		12

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73	Seamless SDN Route Updates. , 2015, , .		12
74	Transient fault detectors. Lecture Notes in Computer Science, 1998, , 62-74.	1.3	11
75	Polygonal broadcast, secret maturity, and the firing sensors. Ad Hoc Networks, 2006, 4, 447-486.	5.5	11
76	Swarming secrets. , 2009, , .		11
77	Accumulating Automata and Cascaded Equations Automata for Communicationless Information Theoretically Secure Multi-Party Computation. , 2015, , .		11
78	Stabilizing Server-Based Storage in Byzantine Asynchronous Message-Passing Systems. , 2015, , .		11
79	Dijkstra's Self-Stabilizing Algorithm in Unsupportive Environments. Lecture Notes in Computer Science, 2001, , 67-81.	1.3	10
80	A self-stabilizing autonomic recoverer for eventual Byzantine software. Journal of Systems and Software, 2008, 81, 2315-2327.	4.5	10
81	Computing multi-party trust privately. , 2010, , .		10
82	RFID Authentication Efficient Proactive Information Security within Computational Security. Theory of Computing Systems, 2011, 48, 132-149.	1.1	10
83	In-vivo energy harvesting nano robots. , 2016, , .		10
84	Proactive Secret Sharing with a Dishonest Majority. Lecture Notes in Computer Science, 2016, , 529-548.	1.3	10
85	Practically-self-stabilizing virtual synchrony. Journal of Computer and System Sciences, 2018, 96, 50-73.	1.2	10
86	Memory Management for Self-stabilizing Operating Systems. Lecture Notes in Computer Science, 2005, , 113-127.	1.3	10
87	Geographic Quorum System Approximations. Algorithmica, 2005, 41, 233-244.	1.3	9
88	Autonomous virtual mobile nodes. , 2005, , .		9
89	Autonomous virtual mobile nodes. , 2005, , .		9
90	Stability of Multivalued Continuous Consensus. SIAM Journal on Computing, 2007, 37, 1057-1076.	1.0	9

#	ARTICLE	IF	CITATIONS
91	Self-stabilization preserving compiler. ACM Transactions on Programming Languages and Systems, 2009, 31, 1-42.	2.1	9
92	Optical solution for hard on average #P-complete instances (using exponential space for solving) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50 7	3.0	9
93	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.	0.3	9
94	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
95	Optical PUF for Non-Forwardable Vehicle Authentication. Computer Communications, 2016, 93, 52-67.	5.1	9
96	Privacy-Preserving Secret Shared Computations using MapReduce. IEEE Transactions on Dependable and Secure Computing, 2019, , 1-1.	5.4	9
97	Self-stabilizing Virtual Synchrony. Lecture Notes in Computer Science, 2015, , 248-264.	1.3	9
98	Bubbles. , 1995, , .		8
99	Efficient anonymous multicast and reception. Lecture Notes in Computer Science, 1997, , 395-409.	1.3	8
100	Bounded latency scheduling scheme for ATM cells. Computer Networks, 2000, 32, 325-331.	5.1	8
101	Towards Self-Stabilizing Operating Systems. IEEE Transactions on Software Engineering, 2008, 34, 564-576.	5.6	8
102	TTLed Random Walks for Collaborative Monitoring. , 2010, , .		8
103	Empire of Colonies Self-stabilizing and Self-organizing Distributed Algorithms. Lecture Notes in Computer Science, 2006, , 230-243.	1.3	8
104	Self-stabilizing Byzantine-Tolerant Distributed Replicated State Machine. Lecture Notes in Computer Science, 2016, , 36-53.	1.3	8
105	Self-stabilizing Byzantine Tolerant Replicated State Machine Based on Failure Detectors. Lecture Notes in Computer Science, 2018, , 84-100.	1.3	8
106	Safe and Eventually Safe: Comparing Self-stabilizing and Non-stabilizing Algorithms on a Common Ground. Lecture Notes in Computer Science, 2009, , 315-329.	1.3	8
107	Self-Stabilization as a Foundation for Autonomic Computing. , 2007, , .		7
108	Secret swarm unit. Ad Hoc Networks, 2012, 10, 1291-1305.	5.5	7

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109	Rendezvous tunnel for anonymous publishing. Peer-to-Peer Networking and Applications, 2015, 8, 352-366.	3.9	7
110	Make&activate-before-break for seamless SDN route updates. Computer Networks, 2018, 147, 81-97.	5.1	7
111	Secure Communication for RFIDs Proactive Information Security Within Computational Security. Lecture Notes in Computer Science, 2006, , 290-303.	1.3	7
112	On the computational power of self-stabilizing systems. Theoretical Computer Science, 1997, 182, 159-170.	0.9	6
113	Preserving Hamming Distance in Arithmetic and Logical Operations. Journal of Electronic Testing: Theory and Applications (JETTA), 2013, 29, 903-907.	1.2	6
114	Spanders: Distributed spanning expanders. Science of Computer Programming, 2013, 78, 544-555.	1.9	6
115	Self-Stabilizing Virtual Machine Hypervisor Architecture for Resilient Cloud. , 2014, , .		6
116	Dynamic Attribute Based Vehicle Authentication. , 2014, , .		6
117	SDN-Based Private Interconnection. , 2014, , .		6
118	Towards efficient private distributed computation on unbounded input streams. Journal of Mathematical Cryptology, 2015, 9, .	0.7	6
119	Secret Shared Random Access Machine. Lecture Notes in Computer Science, 2016, , 19-34.	1.3	6
120	Relationship of Jaccard and edit distance in malware clustering and online identification (Extended) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		6
121	Dependence graph and master switch for seamless dependent routes replacement in SDN (extended) Tj ETQq1 1 0.784314 rgBT /Ove		6
122	Wavelet-based dynamic and privacy-preserving similitude data models for edge computing. Wireless Networks, 2021, 27, 351-366.	3.0	6
123	Self-stabilization Preserving Compiler. Lecture Notes in Computer Science, 2005, , 81-95.	1.3	6
124	When Consensus Meets Self-stabilization. Lecture Notes in Computer Science, 2006, , 45-63.	1.3	6
125	Recovery Oriented Programming. Lecture Notes in Computer Science, 2006, , 152-168.	1.3	6
126	Smooth and adaptive forward erasure correcting. Computer Networks, 2001, 36, 343-355.	5.1	5

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127	Safety assurance via on-line monitoring. Distributed Computing, 2003, 16, 269-277.	0.8	5
128	Trawling Traffic under Attack, Overcoming DDoS Attacks by Target-Controlled Traffic Filtering. , 2009, , .		5
129	Game authority for robust and scalable distributed selfish-computer systems. Theoretical Computer Science, 2010, 411, 2459-2466.	0.9	5
130	Parallel decomposition of combinatorial optimization problems using electro-optical vector by matrix multiplication architecture. Journal of Supercomputing, 2012, 62, 633-655.	3.6	5
131	Stabilization Enabling Technology. IEEE Transactions on Dependable and Secure Computing, 2012, 9, 275-288.	5.4	5
132	Assignment Problems of Different-Sized Inputs in MapReduce. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-35.	3.5	5
133	Dynamic attribute based vehicle authentication. Wireless Networks, 2017, 23, 1045-1062.	3.0	5
134	Pragmatic Self-stabilization of Atomic Memory in Message-Passing Systems. Lecture Notes in Computer Science, 2011, , 19-31.	1.3	5
135	Maintaining digital clocks in step. , 1991, , 71-79.		4
136	The sound of silence—guessing games for saving energy in mobile environment. , 1999, , .		4
137	Baked-Potato Routing. Journal of Algorithms, 1999, 30, 379-399.	0.9	4
138	Game authority for robust andscalable distributed selfish-computer systems. , 2007, , .		4
139	Parallel composition for time-to-fault adaptive stabilization. Distributed Computing, 2007, 20, 29-38.	0.8	4
140	Self-* Programming: Run-Time Parallel Control Search for Reflection Box. , 2008, , .		4
141	Randomization adaptive self-stabilization. Acta Informatica, 2010, 47, 313-323.	0.5	4
142	Recovery oriented programming: runtime monitoring of safety and liveness. International Journal on Software Tools for Technology Transfer, 2011, 13, 377-395.	1.9	4
143	Optical solver of combinatorial problems: nanotechnological approach. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1845.	1.5	4
144	Optical PUF for Non Forwardable Vehicle Authentication. , 2015, , .		4

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145	Graph Degree Sequence Solely Determines the Expected Hopfield Network Pattern Stability. Neural Computation, 2015, 27, 202-210.	2.2	4
146	Holographic parallel processor for calculating Kronecker product. Natural Computing, 2015, 14, 433-436.	3.0	4
147	Self-stabilizing Reconfiguration. , 2016, , .		4
148	Peripheral authentication for autonomous vehicles. , 2016, , .		4
149	Blockchain abbreviation: Implemented by message passing and shared memory (Extended abstract). , 2017, , .		4
150	Design of Nano-Robots for Exposing Cancer Cells. , 2018, , .		4
151	Communication Adaptive Self-Stabilizing Group Membership Service. Lecture Notes in Computer Science, 2001, , 82-97.	1.3	4
152	Direction election in flocking swarms. , 2010, , .		4
153	Crash Resilient and Pseudo-Stabilizing Atomic Registers. Lecture Notes in Computer Science, 2012, , 135-150.	1.3	4
154	Abort Free Semantic TM by Dependency Aware Scheduling of Transactional Instructions. Lecture Notes in Computer Science, 2014, , 25-40.	1.3	4
155	<title>Fault-tolerant layered approach to fiber optic networks</title>. , 1994, 2188, 380.		3
156	Baked potatoes: deadlock prevention via scheduling. , 1996, , .		3
157	Self Stabilization. Journal of Aerospace Computing, Information, and Communication, 2004, 1, 253-255.	0.8	3
158	Robust and scalable middleware for selfish-computer systems. Computer Science Review, 2011, 5, 69-84.	15.3	3
159	Rationality authority for provable rational behavior. , 2011, , .		3
160	Efficient and Universal Corruption Resilient Fountain Codes. IEEE Transactions on Communications, 2013, 61, 4058-4066.	7.8	3
161	Unique permutation hashing. Theoretical Computer Science, 2013, 475, 59-65.	0.9	3
162	Local Self-Organization with Strong Privacy Protection. , 2016, , .		3

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163	Towards holographic "brain" memory based on randomization and Walsh-Hadamard transformation. Neural Networks, 2016, 77, 87-94.	5.9	3
164	Efficient and private approximations of distributed databases calculations. , 2017, , .		3
165	Perennial secure multi-party computation of universal Turing machine. Theoretical Computer Science, 2019, 769, 43-62.	0.9	3
166	Blindly Follow: SITS CRT and FHE for DCLSMPC of DUFMS (Extended Abstract). Lecture Notes in Computer Science, 2021, , 487-496.	1.3	3
167	Make&Activate-Before-Break: Policy Preserving Seamless Routes Replacement in SDN. Lecture Notes in Computer Science, 2018, , 34-37.	1.3	3
168	Self-stabilizing Byzantine Resilient Topology Discovery and Message Delivery. Lecture Notes in Computer Science, 2013, , 351-353.	1.3	3
169	Self-stabilizing Reconfiguration. Lecture Notes in Computer Science, 2017, , 51-68.	1.3	3
170	Combinatorial Optimization Using Electro-Optical Vector by Matrix Multiplication Architecture. Lecture Notes in Computer Science, 2009, , 130-143.	1.3	3
171	Strategies for repeated games with subsystem takeovers: implementable by deterministic and self-stabilizing automata (extended abstract). , 2008, , .		3
172	Network Cloudification. Lecture Notes in Computer Science, 2019, , 249-259.	1.3	3
173	SodsMPC: FSM based Anonymous and Private Quantum-safe Smart Contracts. , 2020, , .		3
174	Stability of long-lived consensus (extended abstract). , 2000, , .		2
175	The Sound of Silence: Guessing Games for Saving Energy in a Mobile Environment. Journal of Parallel and Distributed Computing, 2001, 61, 868-883.	4.1	2
176	Multiplication free holographic coding. , 2010, , .		2
177	Rendezvous tunnel for anonymous publishing. , 2010, , .		2
178	Purifying data by machine learning with certainty levels. , 2010, , .		2
179	Entropy Adaptive On-Line Compression. , 2014, , .		2
180	Deterministic and Energy-Optimal Wireless Synchronization. ACM Transactions on Sensor Networks, 2014, 11, 1-25.	3.6	2

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181	Information security for sensors by overwhelming random sequences and permutations. Ad Hoc Networks, 2014, 12, 193-200.	5.5	2
182	Concise essence-preserving big data representation. , 2016, , .		2
183	Towards radio transceiving in-vivo nano-robots. SN Applied Sciences, 2019, 1, 1.	2.9	2
184	Self-stabilizing Byzantine Consensus for Blockchain. Lecture Notes in Computer Science, 2019, , 106-110.	1.3	2
185	Explicit Communication Among Stigmergic Robots. International Journal of Foundations of Computer Science, 2019, 30, 315-332.	1.1	2
186	Forgive & Forget: Self-Stabilizing Swarms in Spite of Byzantine Robots. , 2019, , .		2
187	Efficient and Privacy Preserving Approximation of Distributed Statistical Queries. IEEE Transactions on Big Data, 2022, 8, 1399-1413.	6.1	2
188	Toward Self-stabilizing Blockchain, Reconstructing Totally Erased Blockchain (Preliminary Version). Lecture Notes in Computer Science, 2020, , 175-192.	1.3	2
189	Stateless Stabilization Bootstrap (Extended Abstract). Lecture Notes in Computer Science, 2014, , 180-194.	1.3	2
190	Compressive Sensing of Object-Signature. Lecture Notes in Computer Science, 2011, , 63-77.	1.3	2
191	Towards synchronizing radio communication of In-Vivo nanorobots. Nano Futures, 2020, 4, 035008.	2.2	2
192	Searching for a lion in the desert. Mobile Computing and Communications Review, 2009, 12, 32-42.	1.7	2
193	Information security for sensors by overwhelming random sequences and permutations. , 2010, , .		2
194	Monitorability Bounds via Expander, Sparsifier and Random Walks. Lecture Notes in Computer Science, 2017, , 307-321.	1.3	2
195	MLDStore. Lecture Notes in Computer Science, 2019, , 93-96.	1.3	2
196	Magnifying Computing Gaps Establishing Encrypted Communication over Unidirectional Channels (Extended Abstract). , 2007, , 253-265.		2
197	Searching for a Lion in the Desert Acquisition Algorithms for Networks of Sensors. , 2006, , .		1
198	Memory Management for Self-Stabilizing Operating Systems. Journal of Aerospace Computing, Information, and Communication, 2006, 3, 260-280.	0.8	1

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199	Self-stabilizing device drivers. ACM Transactions on Autonomous and Adaptive Systems, 2008, 3, 1-29.	0.8	1
200	Self-stabilizing and self-organizing mobile networks. , 2008, , .		1
201	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
202	Stabilizing trust and reputation for self-stabilizing efficient hosts in spite of byzantine guests. Operating Systems Review (ACM), 2010, 44, 65-74.	1.9	1
203	A framework for robust active super tier systems. International Journal on Software Tools for Technology Transfer, 2010, 12, 53-67.	1.9	1
204	Information security for sensors by overwhelming random sequences and permutations. , 2010, , .		1
205	TRAWLING TRAFFIC UNDER ATTACK OVERCOMING DDoS ATTACKS BY TARGET-CONTROLLED TRAFFIC FILTERING. International Journal of Foundations of Computer Science, 2011, 22, 1073-1098.	1.1	1
206	Exploiting simultaneous usage of different wireless interfaces for security and mobility. , 2013, , .		1
207	Self-* programming: run-time parallel control search for reflection box. Evolving Systems, 2015, 6, 23-40.	3.9	1
208	Magnifying computing gaps. Theoretical Computer Science, 2016, 636, 17-26.	0.9	1
209	Deep Neural Networks as Similitude Models for Sharing Big Data. , 2019, , .		1
210	Forgive and forget: Self-stabilizing swarms in spite of Byzantine robots. Concurrency Computation Practice and Experience, 2023, 35, e6123.	2.2	1
211	Self-Stabilizing Group Communication in Directed Networks (Extended Abstract). Lecture Notes in Computer Science, 2003, , 61-76.	1.3	1
212	Object Signature Acquisition through Compressive Scanning. Lecture Notes in Computer Science, 2013, , 105-116.	1.3	1
213	Self-Stabilizing and Self-Organizing Virtual Infrastructures for Mobile Networks. Monographs in Theoretical Computer Science, 2011, , 621-653.	0.6	1
214	TTLed Random Walks for Collaborative Monitoring in Mobile and Social Networks. Springer Optimization and Its Applications, 2012, , 507-538.	0.9	1
215	Nested Merkle's Puzzles against Sampling Attacks. Lecture Notes in Computer Science, 2013, , 157-174.	1.3	1
216	Towards Efficient Private Distributed Computation on Unbounded Input Streams. Lecture Notes in Computer Science, 2013, , 69-83.	1.3	1

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217	Holographic "Brain" Memory and Computation. , 2014, , .		1
218	Efficient online detection of temporal patterns. PeerJ Computer Science, 0, 2, e53.	4.5	1
219	One-Round Secure Multiparty Computation of Arithmetic Streams and Functions. Lecture Notes in Computer Science, 2018, , 255-273.	1.3	1
220	Invited Paper: Homomorphic Operations Techniques Yielding Communication Efficiency. Lecture Notes in Computer Science, 2020, , 16-28.	1.3	1
221	Coordinating Amoebots via Reconfigurable Circuits. Journal of Computational Biology, 2022, 29, 317-343.	1.6	1
222	A competitive analysis for retransmission timeout. Networks, 1999, 34, 73-80.	2.7	0
223	Introduction: Self Stabilization. Journal of Aerospace Computing, Information, and Communication, 2006, 3, 402-402.	0.8	0
224	Introduction: Self Stabilization. Journal of Aerospace Computing, Information, and Communication, 2006, 3, 486-486.	0.8	0
225	Introduction to special issue dedicated to the DISC 20th anniversary. Distributed Computing, 2008, 20, 389-390.	0.8	0
226	Heuristic Certificates via Approximations. , 2009, , .		0
227	Introduction to special issue on Optical SuperComputing. Natural Computing, 2010, 9, 889-890.	3.0	0
228	Energy-efficient optical acquisition schemes in wireless sensor networks. Wireless Networks, 2011, 17, 1809-1819.	3.0	0
229	Innovative approaches for security of small artefacts. Computer Science Review, 2011, 5, 47-55.	15.3	0
230	Optical supercomputing: introduction to special issue. Journal of Supercomputing, 2012, 62, 617-619.	3.6	0
231	Anonymous transactions in computer networks. ACM Transactions on Autonomous and Adaptive Systems, 2012, 7, 1-14.	0.8	0
232	Permanent Revocation in Attribute Based Broadcast Encryption. , 2012, , .		0
233	Editorial for Algorithmic Aspects of Wireless Sensor Networks. Theoretical Computer Science, 2012, 453, 1.	0.9	0
234	Adaptive Hierarchical Network Structures for Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 65-80.	0.3	0

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235	Sensor networks: From dependence analysis via matroid bases to online synthesis. Theoretical Computer Science, 2014, 553, 2-17.	0.9	0
236	Probabilistic connectivity threshold for directional antenna widths. Theoretical Computer Science, 2015, 584, 103-114.	0.9	0
237	Optical SuperComputing: Preface to special issue. Natural Computing, 2015, 14, 431-432.	3.0	0
238	Compressive scanning of an object signature. Natural Computing, 2015, 14, 457-467.	3.0	0
239	Mending the big-data missing information. , 2016, , .		0
240	DPDNS 2016 Keynote. , 2016, , .		0
241	Functional encryption for cascade automata. Information and Computation, 2017, 255, 384-407.	0.7	0
242	Improving of entropy adaptive on-line compression. Wireless Networks, 2017, 23, 2521-2532.	3.0	0
243	Programming reflexes (Extended abstract). , 2017, , .		0
244	Big data interpolation using functional representation. Acta Informatica, 2018, 55, 213-225.	0.5	0
245	Upper bounds for multi-level multi-server paging. Information Processing Letters, 2019, 142, 72-76.	0.6	0
246	Self-Stabilizing Secure Computation. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 33-38.	5.4	0
247	Meta-X: A Technique for Reducing Communication in Geographically Distributed Computations. Lecture Notes in Computer Science, 2021, , 467-486.	1.3	0
248	Logarithmic Time MIMO Based Self-Stabilizing Clock Synchronization. , 2021, , .		0
249	A review of the DISC 2006 conference. ACM SIGACT News, 2007, 38, 46-52.	0.1	0
250	Tutorial Abstract Virtual Infrastructure. Lecture Notes in Computer Science, 2008, , 263-264.	1.3	0
251	Optical Designs for Non-deterministic Turing Machines. Lecture Notes in Computer Science, 2009, , 47-55.	1.3	0
252	Holographic Computation of Balanced Succinct Permanent Instances. Lecture Notes in Computer Science, 2011, , 100-112.	1.3	0

#	ARTICLE	IF	CITATIONS
253	On-Line Detection and Prediction of Temporal Patterns. Lecture Notes in Computer Science, 2012, , 254-256.	1.3	0
254	Proactive Contention Avoidance. Lecture Notes in Computer Science, 2015, , 228-241.	1.3	0
255	Archiving Programs for the Future. , 2015, , .		0
256	Rationality Authority for Provable Rational Behavior. Lecture Notes in Computer Science, 2015, , 33-48.	1.3	0
257	Invited Paper: Reactive PLS for Distributed Decision. Lecture Notes in Computer Science, 2020, , 81-96.	1.3	0
258	Stabilizing Trust and Reputation for Self-Stabilizing Efficient Hosts in Spite of Byzantine Guests (Extended Abstract). , 2007, , 266-280.		0
259	Communicationless Evaluation of Quadratic Functions over Secret Shared Dynamic Database. SN Computer Science, 2022, 3, 1.	3.6	0
260	Secret-shared RAM indefinite private and secure RAM execution of perfectly unrevealed programs. Acta Informatica, 0, , 1.	0.5	0