Ivan Stojmenovic

List of Publications by Year
in descending order

248 papers	**10,365** citations	76031 **42** h-index	75989 **78** g-index
308 all docs	**308** docs citations	**308** times ranked	**6155** citing authors

#	Article	IF	Citations
1	Joint Optimization of Bandwidth for Provider and Delay for User in Software Defined Data Centers. IEEE Transactions on Cloud Computing, 2017, 5, 331-343.	3.1	16
2	Fast and Scalable Counterfeits Estimation for Large-Scale RFID Systems. IEEE/ACM Transactions on Networking, 2016, 24, 1052-1064.	2.6	21
3	A Truthful Double Auction for Device-to-Device Communications in Cellular Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 71-81.	9.7	38
4	Inaugural issue of â€˜cyber-physical systemsâ€™. Cyber-Physical Systems, 2015, 1, 1-4.	1.6	13
5	Joint Optimization of Rule Placement and Traffic Engineering for QoS Provisioning in Software Defined Network. IEEE Transactions on Computers, 2015, 64, 3488-3499.	2.4	59
6	Sampling Bloom Filter-Based Detection of Unknown RFID Tags. IEEE Transactions on Communications, 2015, 63, 1432-1442.	4.9	29
7	Opportunistic Offloading of Deadline-Constrained Bulk Cellular Traffic in Vehicular DTNs. IEEE Transactions on Computers, 2015, 64, 3515-3527.	2.4	19
8	Space-Crossing: Community-Based Data Forwarding in Mobile Social Networks Under the Hybrid Communication Architecture. IEEE Transactions on Wireless Communications, 2015, 14, 4720-4727.	6.1	13
9	Robot Coordination for Energy-Balanced Matching and Sequence Dispatch of Robots to Events. IEEE Transactions on Computers, 2015, 64, 1416-1428.	2.4	12
10	Aggregation on the fly: reducing traffic for big data in the cloud. IEEE Network, 2015, 29, 17-23.	4.9	15
11	Placing Sensors for Area Coverage in a Complex Environment by a Team of Robots. ACM Transactions on Sensor Networks, 2014, 11, 1-22.	2.3	22
12	JLMC: A clustering method based on Jordan-Form of Laplacian-Matrix. , 2014, , .		2
13	Scalable hierarchical rings based routing to a mobile robot in wireless sensor networks. , 2014, , .		0
14	Editorial: Special Issue on Theory and Applications in Parallel and Distributed Computing Systems. Journal of Computer and System Sciences, 2014, 80, 1491-1492.	0.9	0
15	Energy efficiency on location based applications in mobile cloud computing: a survey. Computing (Vienna/New York), 2014, 96, 569-585.	3.2	19
16	Joint Resource Allocation for Max-Min Throughput in Multicell Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 4546-4559.	3.9	18
17	Machine-to-Machine Communications With In-Network Data Aggregation, Processing, and Actuation for Large-Scale Cyber-Physical Systems. IEEE Internet of Things Journal, 2014, 1, 122-128.	5.5	170
18	On Optimally Reducing Power Loss in Micro-grids With Power Storage Devices. IEEE Journal on Selected Areas in Communications, 2014, 32, 1361-1370.	9.7	56

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19	Secure and energy-efficient data aggregation with malicious aggregator identification in wireless sensor networks. Future Generation Computer Systems, 2014, 37, 108-116.	4.9	17
20	Randomized carrier-based sensor relocation in wireless sensor and robot networks. Ad Hoc Networks, 2013, 11, 1951-1962.	3.4	29
21	Energy-Balanced Matching and Sequence Dispatch of Robots to Events: Pairwise Exchanges and Sensor Assisted Robot Coordination. , 2013, , .		5
22	Data Centers as Software Defined Networks: Traffic Redundancy Elimination with Wireless Cards at Routers. IEEE Journal on Selected Areas in Communications, 2013, 31, 2658-2672.	9.7	30
23	Optimizing Communication Overhead while Reducing Path Length in Beaconless Georouting with Guaranteed Delivery for Wireless Sensor Networks. IEEE Transactions on Computers, 2013, 62, 2440-2453.	2.4	22
24	A Survey of Energy Efficient Wireless Transmission and Modeling in Mobile Cloud Computing. Mobile Networks and Applications, 2013, 18, 148-155.	2.2	72
25	Editorial for Special Issue on â€œNew Technologies and Applications for Wireless Communications & Mobile Cloud Computingâ€. Mobile Networks and Applications, 2013, 18, 98-102.	2.2	0
26	Pairwise and Triple Key Distribution in Wireless Sensor Networks with Applications. IEEE Transactions on Computers, 2013, 62, 2224-2237.	2.4	62
27	Auctions and iMesh based task assignment in wireless sensor and actuator networks. Computer Communications, 2013, 36, 979-987.	3.1	21
28	Forwarding methods in data dissemination and routing protocols for vehicular Ad Hoc networks. IEEE Network, 2013, 27, 74-79.	4.9	49
29	Receiver Consensus: On-Time Warning Delivery for Vehicular Ad-Hoc Networks. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 57-68.	3.2	20
30	Editor's note: Reviewer appreciation program. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 625-628.	4.0	0
31	Activities information diffusion in Chinese largest recommendation social network: Patterns and generative model. , 2013, , .		0
32	Wired and wireless network virtualization [Guest Editorial]. IEEE Network, 2012, 26, 6-7.	4.9	3
33	Towards a Hybrid Energy Efficient Multi-Tree-Based Optimized Routing Protocol for Wireless Networks. Sensors, 2012, 12, 17295-17319.	2.1	5
34	Can we beat legitimate cyber behavior mimicking attacks from botnets?. , 2012, , .		30
35	Multi-retransmission Route Discovery Schemes for Ad Hoc Wireless Networks with a Realistic Physical Layer. , 2012, , .		2
36	A harmony-seeking firefly swarm to the periodic replacement of damaged sensors by a team of mobile robots. , 2012, , .		15

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37	Localized load-aware geographic routing in wireless ad hoc networks. , 2012, , .		9
38	Analysis of backward congestion notification with delay for enhanced ethernet networks. , 2012, , .		6
39	Energy Efficiency on Location Based Applications in Mobile Cloud Computing: A Survey. Procedia Computer Science, 2012, 10, 577-584.	1.2	41
40	Keynote 1: Mobile Cloud and Green Computing. Procedia Computer Science, 2012, 10, 18-19.	1.2	4
41	Receiver Consensus: On-time Warning Delivery for Vehicular Ad-hoc Networks. , 2012, , .		4
42	Techniques for Enhancing TCP Performance in Wireless Networks. , 2012, , .		11
43	Broadcasting with seamless transition from static to highly mobile wireless ad hoc, sensor and vehicular networks. International Journal of Parallel, Emergent and Distributed Systems, 2012, 27, 225-234.	0.7	10
44	Acknowledgment-Based Broadcast Protocol for Reliable and Efficient Data Dissemination in Vehicular Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2012, 11, 33-46.	3.9	139
45	Task assignment in wireless sensor and robot networks. , 2012, , .		12
46	Controlled Straight Mobility and Energy-Aware Routing in Robotic Wireless Sensor Networks. , 2012, , .		13
47	Localized Geographic Routing to a Mobile Sink with Guaranteed Delivery in Sensor Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 1719-1729.	9.7	65
48	Servicing wireless sensor networks by mobile robots. , 2012, 50, 147-154.		64
49	Biconnecting a network of mobile robots using virtual angular forces. Computer Communications, 2012, 35, 1038-1046.	3.1	22
50	Maximizing Lifetime of Connected-Dominating-Set in Cognitive Radio Networks. Lecture Notes in Computer Science, 2012, , 316-330.	1.0	5
51	Localized Delay-bounded and Energy-efficient Data Aggregation in low-traffic request-driven wireless sensor and actor networks. , 2011, , .		1
52	Strictly Localized Sensor Self-Deployment for Optimal Focused Coverage. IEEE Transactions on Mobile Computing, 2011, 10, 1520-1533.	3.9	91
53	Distributed Fine-Grained Access Control in Wireless Sensor Networks. , 2011, , .		31
54	Toward scalable cut vertex and link detection with applications in wireless ad hoc networks. IEEE Network, 2011, 25, 44-48.	4.9	22

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55	On Data-Centric Misbehavior Detection in VANETs. , 2011, , .		106
56	Computing Localized Power-Efficient Data Aggregation Trees for Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 489-500.	4.0	88
57	DACC: Distributed Access Control in Clouds. , 2011, , .		137
58	Fully secure pairwise and triple key distribution in wireless sensor networks using combinatorial designs. , 2011, , .		31
59	Sparse structures for searching and broadcasting algorithms over internet graphs and peer-to-peer computing systems. Peer-to-Peer Networking and Applications, 2011, 4, 219-230.	2.6	1
60	Localized delay-bounded and energy-efficient data aggregation in wireless sensor and actor networks. Wireless Communications and Mobile Computing, 2011, 11, 1603-1617.	0.8	12
61	Communication protocols for vehicular <i>ad hoc</i> networks. Wireless Communications and Mobile Computing, 2011, 11, 567-582.	0.8	38
62	Improved Access Control Mechanism in Vehicular Ad Hoc Networks. Lecture Notes in Computer Science, 2011, , 191-205.	1.0	19
63	Access Control in Distributed Systems: Merging Theory with Practice. , 2011, , .		5
64	Editorial: Media Center. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1777-1777.	4.0	0
65	Guest Editorial Special Issue on Wireless Sensor and Actuator Networks. IEEE Transactions on Automatic Control, 2011, 56, 2244-2246.	3.6	44
66	Editor's Note: How to Write Research Articles in Computing and Engineering Disciplines. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 145-147.	4.0	5
67	Randomized Robot-Assisted Relocation of Sensors for Coverage Repair in Wireless Sensor Networks. , 2010, , .		31
68	Back-Tracking Based Sensor Deployment by a Robot Team. , 2010, , .		37
69	Power-aware semi-beaconless 3D georouting algorithms using adjustable transmission ranges for wireless ad hoc and sensor networks. Ad Hoc Networks, 2010, 8, 15-29.	3.4	28
70	Hierarchical geographic multicast routing for wireless sensor networks. Wireless Networks, 2010, 16, 449-466.	2.0	91
71	Robot to Robot. IEEE Robotics and Automation Magazine, 2010, 17, 63-69.	2.2	28
72	Special Section: P2P and internet computing. Future Generation Computer Systems, 2010, 26, 1391-1392.	4.9	0

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73	Simple wireless sensor networking solutions. IEEE Journal on Selected Areas in Communications, 2010, 28, 969-972.	9.7	2
74	The one-commodity traveling salesman problem with selective pickup and delivery: An ant colony approach. , 2010, , .		38
75	On Delivery Guarantees and Worst-Case Forwarding Bounds of Elementary Face Routing Components in Ad Hoc and Sensor Networks. IEEE Transactions on Computers, 2010, 59, 1224-1238.	2.4	38
76	Contention-based georouting with guaranteed delivery, minimal communication overhead, and shorter paths in wireless sensor networks. , 2010, , .		10
77	Message-Efficient Beaconless Georouting With Guaranteed Delivery in Wireless Sensor, Ad Hoc, and Actuator Networks. IEEE/ACM Transactions on Networking, 2010, 18, 95-108.	2.6	52
78	Biconnecting a Network of Mobile Robots Using Virtual Angular Forces. , 2010, , .		15
79	Reliable and Efficient Broadcasting in Vehicular Ad Hoc Networks. , 2009, , .		72
80	Routing in Wireless Sensor Networks. Computer Communications and Networks, 2009, , 81-111.	0.8	32
81	AÂlocalized algorithm for bi-connectivity of connected mobileÂrobots. Telecommunication Systems, 2009, 40, 129-140.	1.6	31
82	Multiratecast in Wireless Fault Tolerant Sensor and Actuator Networks. , 2009, , .		2
83	Exploiting Actuator Mobility for Energy-Efficient Data Collection in Delay-Tolerant Wireless Sensor Networks. , 2009, , .		24
84	Greedy Geographic Routing Algorithms in Real Environment. , 2009, , .		15
85	Partial Delaunay Triangulations Based Data-Centric Storage and Routing with Guaranteed Delivery in Wireless Ad Hoc and Sensor Networks. , 2009, , .		4
86	Fountain Codes with XOR of Encoded Packets for Broadcasting and Source Independent Backbone in Multi-Hop Networks Using Network Coding. , 2009, , .		11
87	Focused-coverage by mobile sensor networks. , 2009, , .		34
88	Localized Minimum-Energy Broadcasting for Wireless Multihop Networks with Directional Antennas. IEEE Transactions on Computers, 2009, 58, 120-131.	2.4	16
89	Localized Distance-Sensitive Service Discovery in Wireless Sensor and Actor Networks. IEEE Transactions on Computers, 2009, 58, 1275-1288.	2.4	56
90	Auction Aggregation Protocols for Wireless Robot-Robot Coordination. Lecture Notes in Computer Science, 2009, , 180-193.	1.0	14

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91	Generating random graphs for the simulation of wireless ad hoc, actuator, sensor, and internet networks. Pervasive and Mobile Computing, 2008, 4, 597-615.	2.1	38
92	Taxonomy and Challenges of the Integration of RFID and Wireless Sensor Networks. IEEE Network, 2008, 22, 26-35.	4.9	145
93	Simulations in wireless sensor and ad hoc networks: matching and advancing models, metrics, and solutions. IEEE Communications Magazine, 2008, 46, 102-107.	4.9	67
94	OPERA: Opportunistic packet relaying in disconnected Vehicular Ad Hoc Networks. , 2008, , .		28
95	Simplified Bluetooth Scatternet Formation Using Maximal Independent Sets. , 2008, , .		14
96	Localized Sensor Area Coverage with Low Communication Overhead. IEEE Transactions on Mobile Computing, 2008, 7, 661-672.	3.9	101
97	Hector is an Energy Efficient Tree-Based Optimized Routing Protocol for Wireless Networks. , 2008, , .		9
98	Parameterless Broadcasting in Static to Highly Mobile Wireless Ad Hoc, Sensor and Actuator Networks. , 2008, , .		28
99	Localized sensor self-deployment with coverage guarantee. Mobile Computing and Communications Review, 2008, 12, 50-52.	1.7	27
100	Depth First Search-based and power-aware geo-routing in ad hoc and sensor wireless networks. International Journal of Autonomous and Adaptive Communications Systems, 2008, 1, 41.	0.2	10
101	A scalable quorum-based location service in ad hoc and sensor networks. International Journal of Communication Networks and Distributed Systems, 2008, 1, 71.	0.3	87
102	Simplified bluetooth scatternet formation using maximal independent sets. Integrated Computer-Aided Engineering, 2008, 15, 229-239.	2.5	8
103	Elimination of generalized ping-pong effects using triple-layers of location areas in cellular networks. Computer Science and Information Systems, 2008, 5, 1-16.	0.7	4
104	LMST-based searching and broadcasting algorithms over Internet graphs and peer-to-peer computing systems. , 2007, , .		3
105	A Distributed and Dynamic Data Gathering Protocol for Sensor Networks. International Conference on Advanced Networking and Applications, 2007, , .	0.0	13
106	Bandwidth-Efficient Geographic Multicast Routing Protocol for Wireless Sensor Networks. IEEE Sensors Journal, 2007, 7, 627-636.	2.4	87
107	Semi-Beaconless Power and Cost Efficient Georouting with Guaranteed Delivery using Variable Transmission Radii for Wireless Sensor Networks. , 2007, , .		4
108	Generating Random Graphs for Wireless Actuator Networks. , 2007, , .		24

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109	Smaller Connected Dominating Sets in Ad Hoc and Sensor Networks based on Coverage by Two-Hop Neighbors. , 2007, , .		12
110	Power-aware Depth First Search based georouting in ad hoc and sensor wireless networks. , 2007, , .		6
111	Energy-efficient geographic multicast routing for Sensor and Actuator Networks. Computer Communications, 2007, 30, 2519-2531.	3.1	38
112	Quorum and connected dominating sets based location service in wireless ad hoc, sensor and actuator networks. Computer Communications, 2007, 30, 3627-3643.	3.1	17
113	Localized Movement Control for Fault Tolerance of Mobile Robot Networks. , 2007, , 1-12.		30
114	Mesh-Based Sensor Relocation for Coverage Maintenance in Mobile Sensor Networks. Lecture Notes in Computer Science, 2007, , 696-708.	1.0	31
115	Localized Mobility Control Routing in Robotic Sensor Wireless Networks. , 2007, , 19-31.		16
116	Energy Conservation in Sensor and Sensor-Actuator Networks. , 2007, , 107-133.		3
117	The Impact of Delay in Dominating Set and Neighbor Elimination Based Broadcasting in Ad Hoc Networks. , 2007, , 115-128.		0
118	On delivery guarantees of face and combined greedy-face routing in ad hoc and sensor networks. , 2006, , .		160
119	Optimal transmission radius for energy efficient broadcasting protocols in ad hoc and sensor networks. IEEE Transactions on Parallel and Distributed Systems, 2006, 17, 536-547.	4.0	74
120	GMR: Geographic Multicast Routing for Wireless Sensor Networks. , 2006, , .		73
121	A Scalable Quorum Based Location Service in Ad Hoc and Sensor Networks. , 2006, , .		46
122	A hybrid randomized protocol for RFID tag identification. Sensor Review, 2006, 26, 147-154.	1.0	35
123	Voronoi diagram and convex hull based geocasting and routing in wireless networks. Wireless Communications and Mobile Computing, 2006, 6, 247-258.	0.8	66
124	Greedy localized routing for maximizing probability of delivery in wireless ad hoc networks with a realistic physical layer. Journal of Parallel and Distributed Computing, 2006, 66, 499-506.	2.7	14
125	Progress and Location Based Localized Power Aware Routing for Ad Hoc and Sensor Wireless Networks. International Journal of Distributed Sensor Networks, 2006, 2, 147-159.	1.3	54
126	Listing combinatorial objects in parallel. International Journal of Parallel, Emergent and Distributed Systems, 2006, 21, 127-146.	0.7	12

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127	Ensuring Area k-Coverage in Wireless Sensor Networks with Realistic Physical Layers. , 2006, , .		19
128	Topological Properties of Interconnection Networks. , 2006, , 427-465.		4
129	Beaconless Position Based Routing with Guaranteed Delivery for Wireless Ad-Hoc and Sensor Networks. International Federation for Information Processing, 2006, , 61-70.	0.4	36
130	Localization in Sensor Networks. , 2005, , 277-310.		183
131	Geographic and Energy-Aware Routing in Sensor Networks. , 2005, , 381-415.		10
132	Topology Construction and Maintenance in Wireless Sensor Networks. , 2005, , 311-341.		22
133	Introduction to Wireless Sensor Networking. , 2005, , 1-40.		17
134	Energy-Efficient Backbone Construction, Broadcasting, and Area Coverage in Sensor Networks. , 2005, , 343-380.		55
135	Path Exposure, Target Location, Classification and Tracking in Sensor Networks. , 2005, , 457-491.		3
136	Data Gathering and Fusion in Sensor Networks. , 2005, , 493-526.		5
137	Distributed Signal Processing Algorithms for the Physical Layer of Large-Scale Sensor Networks. , 2005, , 41-73.		0
138	Embedded Operating Systems for Wireless Microsensor Nodes. , 2005, , 173-197.		2
139	Time Synchronization and Calibration in Wireless Sensor Networks. , 2005, , 199-237.		133
140	Broadcast Authentication and Key Management for Secure Sensor Networks. , 2005, , 141-172.		3
141	The Wireless Sensor Network MAC. , 2005, , 239-276.		5
142	Broadcasting and Activity Scheduling in AD HOC Networks. , 2005, , 205-229.		60
143	Energy Scavenging and Nontraditional Power Sources for Wireless Sensor Networks. , 2005, , 75-105.		3
144	Finding minimum transmission radii for preserving connectivity and constructing minimal spanning trees in ad hoc and sensor networks. Journal of Parallel and Distributed Computing, 2005, 65, 132-141.	2.7	34

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145	Localized LMST and RNG based minimum-energy broadcast protocols in ad hoc networks. Ad Hoc Networks, 2005, 3, 1-16.	3.4	93
146	Physical layer impact on the design and performance of routing and broadcasting protocols in ad hoc and sensor networks. Computer Communications, 2005, 28, 1138-1151.	3.1	55
147	A Hybrid Channel Assignment Approach Using an Efficient Evolutionary Strategy in Wireless Mobile Networks. IEEE Transactions on Vehicular Technology, 2005, 54, 1887-1895.	3.9	49
148	Data communications and topology control in wireless ad hoc networks. Ad Hoc Networks, 2005, 3, 507-508.	3.4	3
149	Wiley Series on Parallel and Distributed Computing. , 2005, , 532-532.		0
150	Energy-Efficient Broadcasting in Wireless Mobile Ad Hoc Networks. , 2005, , 543-582.		14
151	Hop count optimal position-based packet routing algorithms for ad hoc wireless networks with a realistic physical Layer. IEEE Journal on Selected Areas in Communications, 2005, 23, 1267-1275.	9.7	86
152	Geocasting in Ad Hoc and Sensor Networks. , 2005, , .		1
153	Routing and Broadcasting in Hybrid Ad Hoc and Sensor Networks. , 2005, , .		8
154	Comments and corrections to "Dominating sets and neighbor elimination-based broadcasting algorithms in wireless networks". IEEE Transactions on Parallel and Distributed Systems, 2004, 15, 1054-1055.	4.0	34
155	A Parallel Hill Climbing Algorithm for Pushing Dependent Data in Clientsâ€"Providersâ€"Servers Systems. Mobile Networks and Applications, 2004, 9, 257-264.	2.2	9
156	Power and cost aware localized routing with guaranteed delivery in unit graph based ad hoc networks. Wireless Communications and Mobile Computing, 2004, 4, 175-188.	0.8	35
157	Mapping matrix multiplication algorithm onto fault-tolerant systolic array. Computers and Mathematics With Applications, 2004, 48, 275-289.	1.4	8
158	Partial Delaunay triangulation and degree limited localized Bluetooth scatternet formation. IEEE Transactions on Parallel and Distributed Systems, 2004, 15, 350-361.	4.0	96
159	Geocasting with guaranteed delivery in sensor networks. IEEE Wireless Communications, 2004, 11, 29-37.	6.6	86
160	Progress Based Localized Power and Cost Aware Routing Algorithms for Ad Hoc and Sensor Wireless Networks. Lecture Notes in Computer Science, 2004, , 294-299.	1.0	19
161	Position Based Routing Algorithms for Ad Hoc Networks: A Taxonomy. Network Theory and Applications, 2004, , 103-136.	0.6	161
162	An Adaptive Localized Scheme for Energy-Efficient Broadcasting in Ad Hoc Networks with Directional Antennas. Lecture Notes in Computer Science, 2004, , 399-413.	1.0	22

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163	Connectivity Based k-Hop Clustering in Wireless Networks. Telecommunication Systems, 2003, 22, 205-220.	1.6	156
164	Higher dimensional hexagonal networks. Journal of Parallel and Distributed Computing, 2003, 63, 1164-1172.	2.7	27
165	Location-based localized alternate, disjoint and multi-path routing algorithms for wireless networks. Journal of Parallel and Distributed Computing, 2003, 63, 22-32.	2.7	28
166	Power-aware broadcasting and activity scheduling in ad hoc wireless networks using connected dominating sets. Wireless Communications and Mobile Computing, 2003, 3, 425-438.	0.8	66
167	On the number of multilinear partitions and the computing capacity of multiple-valued multiple-threshold perceptrons. IEEE Transactions on Neural Networks, 2003, 14, 469-477.	4.8	7
168	On calculating power-aware connected dominating sets for efficient routing in ad hoc wireless networks. Journal of Communications and Networks, 2002, 4, 59-70.	1.8	226
169	Addressing and routing in hexagonal networks with applications for tracking mobile users and connection rerouting in cellular networks. IEEE Transactions on Parallel and Distributed Systems, 2002, 13, 963-971.	4.0	95
170	A Genetic Algorithm for Finding the Pagenumber of Interconnection Networks. Journal of Parallel and Distributed Computing, 2002, 62, 267-283.	2.7	15
171	Optimal BSR Solutions to Several Convex Polygon Problems. Journal of Supercomputing, 2002, 21, 77-90.	2.4	5
172	Internal Node and Shortcut Based Routing with Guaranteed Delivery in Wireless Networks. Cluster Computing, 2002, 5, 169-178.	3.5	95
173	Power-aware localized routing in wireless networks. IEEE Transactions on Parallel and Distributed Systems, 2001, 12, 1122-1133.	4.0	533
174	STRIP - a strip-based neural-network growth algorithm for learning multiple-valued functions. IEEE Transactions on Neural Networks, 2001, 12, 212-227.	4.8	20
175	Loop-free hybrid single-path/flooding routing algorithms with guaranteed delivery for wireless networks. IEEE Transactions on Parallel and Distributed Systems, 2001, 12, 1023-1032.	4.0	330
176	Routing with Guaranteed Delivery in Ad Hoc Wireless Networks. Wireless Networks, 2001, 7, 609-616.	2.0	871
177	The Computing Capacity of Three-Input Multiple-Valued One-Threshold Perceptrons. Neural Processing Letters, 2001, 14, 141-155.	2.0	1
178	HIGHER DIMENSIONAL HONEYCOMB NETWORKS. Journal of Interconnection Networks, 2001, 02, 391-420.	0.6	14
179	RNG and internal node based broadcasting algorithms for wireless one-to-one networks. Mobile Computing and Communications Review, 2001, 5, 37-44.	1.7	67
180	Recursive algorithms in computer science courses: Fibonacci numbers and binomial coefficients. IEEE Transactions on Education, 2000, 43, 273-276.	2.0	22

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181	On the Dynamic Initialization of Parallel Computers. Journal of Supercomputing, 2000, 15, 5-24.	2.4	3
182	Learning with Permutably Homogeneous Multiple-Valued Multiple-Threshold Perceptrons. Neural Processing Letters, 2000, 12, 71-90.	2.0	10
183	IMMOBILIZING A SHAPE. International Journal of Computational Geometry and Applications, 1999, 09, 181-206.	0.3	28
184	An efficient implementation for the BROADCAST instruction of BSR/sup +/. IEEE Transactions on Parallel and Distributed Systems, 1999, 10, 852-863.	4.0	8
185	Routing with guaranteed delivery in ad hoc wireless networks. , 1999, , .		528
186	Time-Optimal Proximity Graph Computations on Enhanced Meshes. Journal of Parallel and Distributed Computing, 1998, 49, 204-217.	2.7	2
187	The largest k-ball in a d-dimensional box. Computational Geometry: Theory and Applications, 1998, 11, 59-67.	0.3	5
188	Fast algorithms for genegrating integer partitions. International Journal of Computer Mathematics, 1998, 70, 319-332.	1.0	66
189	Honeycomb networks: Topological properties and communication algorithms. IEEE Transactions on Parallel and Distributed Systems, 1997, 8, 1036-1042.	4.0	239
190	Multiplicative circulant networks topological properties and communication algorithms. Discrete Applied Mathematics, 1997, 77, 281-305.	0.5	34
191	A characterization of Boolean collections of set-valued functions. Information Sciences, 1997, 99, 195-204.	4.0	3
192	Constant time BSR solutions to parenthesis matching, tree decoding, and tree reconstruction from its traversals. IEEE Transactions on Parallel and Distributed Systems, 1996, 7, 218-224.	4.0	22
193	A Parametrization of Digital Planes by Least-Squares Fits and Generalizations. Graphical Models, 1996, 58, 295-300.	1.4	27
194	Time-Optimal Nearest-Neighbor Computations on Enhanced Meshes. Journal of Parallel and Distributed Computing, 1996, 36, 144-155.	2.7	9
195	GENERATING n-ARY REFLECTED GRAY CODES ON A LINEAR ARRAY OF PROCESSORS. Parallel Processing Letters, 1996, 06, 27-34.	0.4	7
196	<title>Time-optimal solutions for digital geometry algorithms on enhanced meshes</title>. , 1995, 2356, 125.		1
197	<title>Solving visibility problems on BSR model of parallel computation</title>. , 1995, , .		0
198	Constant time BSR solutions to L1 metric and digital geometry problems. Journal of Mathematical Imaging and Vision, 1995, 5, 119-127.	0.8	6

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199	Enumeration of Polyhex Hydrocarbons to h = 17. Journal of Chemical Information and Computer Sciences, 1995, 35, 181-187.	2.8	33
200	Time-optimal visibility-related algorithms on meshes with multiple broadcasting. IEEE Transactions on Parallel and Distributed Systems, 1995, 6, 687-703.	4.0	22
201	A representation of digital planes by least square fits. Lecture Notes in Computer Science, 1995, , 753-758.	1.0	1
202	COMPUTING EXTERNAL WATCHMAN ROUTES ON PRAM, BSR, AND INTERCONNECTION NETWORK MODELS OF PARALLEL COMPUTATION. Parallel Processing Letters, 1994, 04, 83-93.	0.4	7
203	On generating B-trees with constant average delay and in lexicographic order. Information Processing Letters, 1994, 49, 27-32.	0.4	7
204	An Optimal Systolic Algorithm for Generating Permutations in Lexicographic Order. Journal of Parallel and Distributed Computing, 1994, 20, 84-91.	2.7	11
205	INTRODUCTION TO THE SPECIAL ISSUE OF PARALLEL ALGORITHMS AND APPLICATIONS DEVOTED TO THE PARALLEL ALGORITHMS MINITRACK OF HICSS-26. International Journal of Parallel, Emergent and Distributed Systems, 1994, 2, 1-4.	0.4	1
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207	A new characterization of digital lines by least square fits. Pattern Recognition Letters, 1993, 14, 83-88.	2.6	22
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209	G-neighbors. , 1993, , .		17
210	Constant-time digital geometry algorithms on the scan model of parallel computation. , 1993, 1832, 162.		1
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