Weifa Liang

List of Publications by Year in Descending Order

219 papers	3,751 citations	32 h-index	50 g-index
247 ext. papers	4,713 ext. citations	3.5 avg, IF	6.19 L-index

#	Paper	IF	Citations
219	Near-Optimal and Collaborative Service Caching in Mobile Edge Clouds. *IEEE Transactions on Mobile Computing*, **2022**, 1-1	4.6	1
218	Stable Service Caching in MECs of Hierarchical Service Markets with Uncertain Request Rates. *IEEE Transactions on Mobile Computing*, **2022**, 1-1	4.6	
217	Service Provisioning for Multi-source IoT Applications in Mobile Edge Computing. *ACM Transactions on Sensor Networks*, **2022**, 18, 1-25	2.9	1
216	Profit Driven Service Provisioning in Edge Computing via Deep Reinforcement Learning. *IEEE Transactions on Network and Service Management*, **2022**, 1-1	4.8	
215	Efficient algorithms for finding diversified top-k structural hole spanners in social networks. *Information Sciences*, **2022**, 602, 236-258	7.7	
214	Service Home Identification of Multiple-Source IoT Applications in Edge Computing. *IEEE Transactions on Services Computing*, **2022**, 1-1	4.8	0
213	. *IEEE/ACM Transactions on Networking*, **2021**, 1-14	3.8	2
212	Profit Maximization for Service Placement and Request Assignment in Edge Computing via Deep Reinforcement Learning **2021**,		2
211	Energy-Aware Collaborative Service Caching in a 5G-Enabled MEC with Uncertain Payoffs. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	2
210	. *IEEE/ACM Transactions on Networking*, **2021**, 1-15	3.8	2
209	. *IEEE Transactions on Mobile Computing*, **2021**, 1-1	4.6	0
208	Data Collection Utility Maximization in Wireless Sensor Networks via Efficient Determination of UAV Hovering Locations **2021**,		3
207	**2021**,		8
206	Robust Service Provisioning With Service Function Chain Requirements in Mobile Edge Computing. *IEEE Transactions on Network and Service Management*, **2021**, 18, 2138-2153	4.8	4
205	NFV-Enabled IoT Service Provisioning in Mobile Edge Clouds. *IEEE Transactions on Mobile Computing* , **2021**, 20, 1892-1906	4.6	11
204	Minimizing the Maximum Charging Delay of Multiple Mobile Chargers Under the Multi-Node Energy Charging Scheme. *IEEE Transactions on Mobile Computing*, **2021**, 20, 1846-1861	4.6	21
203	. *IEEE Internet of Things Journal*, **2021**, 8, 512-527	10.7	3

202	Energy-Aware Inference Offloading for DNN-Driven Applications in Mobile Edge Clouds. *IEEE Transactions on Parallel and Distributed Systems*, **2021**, 32, 799-814	3.7	17
201	. *IEEE/ACM Transactions on Networking*, **2021**, 29, 176-189	3.8	8
200	Request Reliability Augmentation with Service Function Chain Requirements in Mobile Edge Computing. *IEEE Transactions on Mobile Computing*, **2021**, 1-1	4.6	2
199	Maximizing User Service Satisfaction for Delay-Sensitive IoT Applications in Edge Computing. *IEEE Transactions on Parallel and Distributed Systems*, **2021**, 1-1	3.7	3
198	When Edge Caching Meets a Budget: Near Optimal Service Delivery in Multi-Tiered Edge Clouds. *IEEE Transactions on Services Computing*, **2021**, 1-1	4.8	4
197	Data Collection Maximization in IoT-Sensor Networks Via an Energy-Constrained UAV. *IEEE Transactions on Mobile Computing*, **2021**, 1-1	4.6	8
196	Energy-Efficient Data Collection Maximization for UAV-Assisted Wireless Sensor Networks **2021**,		7
195	Algorithms for NFV-Enabled Multicasting in Mobile Edge Computing. *Advances in Information Security*, **2021**, 235-270	0.7	
194	Reliability-Aware Network Service Provisioning in Mobile Edge-Cloud Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2020**, 31, 1545-1558	3.7	21
193	. *IEEE Transactions on Parallel and Distributed Systems*, **2020**, 31, 2050-2066	3.7	21
192	Mobility-Aware and Delay-Sensitive Service Provisioning in Mobile Edge-Cloud Networks. *IEEE Transactions on Mobile Computing*, **2020**, 1-1	4.6	15
191	To Cache or Not to Cache: Stable Service Caching in Mobile Edge-Clouds of a Service Market **2020**,		2
190	Learning for Exception: Dynamic Service Caching in 5G-Enabled MECs with Bursty User Demands **2020**,		5
189	QoS-Aware VNF Placement and Service Chaining for IoT Applications in Multi-Tier Mobile Edge Networks. *ACM Transactions on Sensor Networks*, **2020**, 16, 1-27	2.9	12
188	Reliability Augmentation of Requests with Service Function Chain Requirements in Mobile Edge-Cloud Networks **2020**,		4
187	Maximizing the Quality of User Experience of Using Services in Edge Computing for Delay-Sensitive IoT Applications **2020**,		8
186	Minimizing the Longest Tour Time Among a Fleet of UAVs for Disaster Area Surveillance. *IEEE Transactions on Mobile Computing*, **2020**, 1-1	4.6	7
185	Fault tolerant placement of stateful VNFs and dynamic fault recovery in cloud networks. *Computer Networks*, **2020**, 166, 106953	5.4	8

184	Approximation Algorithms for the Min-Max Cycle Cover Problem With Neighborhoods. *IEEE/ACM Transactions on Networking*, **2020**, 28, 1845-1858	3.8	8
183	Approximation Algorithms for the Team Orienteering Problem **2020**,		8
182	Collaborate or Separate? Distributed Service Caching in Mobile Edge Clouds **2020**,		26
181	Data Collection of IoT Devices Using an Energy-Constrained UAV **2020**,		10
180	Data Collection Maximization for UAV-Enabled Wireless Sensor Networks **2020**,		4
179	Reliability-Aware Service Function Chain Provisioning in Mobile Edge-Cloud Networks **2020**,		3
178	. *IEEE Transactions on Computers*, **2020**, 1-1	2.5	1
177	QoS-Aware Cloudlet Load Balancing in Wireless Metropolitan Area Networks. *IEEE Transactions on Cloud Computing*, **2020**, 8, 623-634	3.3	20
176	Near-Optimal Deployment of Service Chains by Exploiting Correlations Between Network Functions. *IEEE Transactions on Cloud Computing*, **2020**, 8, 585-596	3.3	11
175	Throughput Maximization of NFV-Enabled Multicasting in Mobile Edge Cloud Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2020**, 31, 393-407	3.7	28
174	Reliability-Aware Virtualized Network Function Services Provisioning in Mobile Edge Computing. *IEEE Transactions on Mobile Computing*, **2020**, 19, 2699-2713	4.6	23
173	Coflow-Like Online Data Acquisition from Low-Earth-Orbit Datacenters. *IEEE Transactions on Mobile Computing*, **2020**, 19, 2743-2760	4.6	10
172	Utility Maximization of Temporally Correlated Sensing Data in Energy Harvesting Sensor Networks. *IEEE Internet of Things Journal*, **2019**, 6, 5411-5422	10.7	7
171	QoS-Aware Proactive Data Replication for Big Data Analytics in Edge Clouds **2019**,		1
170	NFV-Enabled Multicasting in Mobile Edge Clouds with Resource Sharing **2019**,		6
169	Efficient Data Placement and Replication for QoS-Aware Approximate Query Evaluation of Big Data Analytics. *IEEE Transactions on Parallel and Distributed Systems*, **2019**, 30, 2677-2691	3.7	9
168	. *IEEE Transactions on Cloud Computing*, **2019**, 1-1	3.3	13
167	Nonredundant Information Collection in Rescue Applications via an Energy-Constrained UAV. *IEEE Internet of Things Journal*, **2019**, 6, 2945-2958	10.7	23

166	Green Data-Collection From Geo-Distributed IoT Networks Through Low-Earth-Orbit Satellites. *IEEE Transactions on Green Communications and Networking*, **2019**, 3, 806-816	4	32
165	An improved algorithm for dispatching the minimum number of electric charging vehicles for wireless sensor networks. *Wireless Networks*, **2019**, 25, 1371-1384	2.5	7
164	Efficient Algorithms for Mobile Sink Aided Data Collection From Dedicated and Virtual Aggregation Nodes in Energy Harvesting Wireless Sensor Networks. *IEEE Transactions on Green Communications and Networking*, **2019**, 3, 1058-1071	4	14
163	Identifying structural hole spanners to maximally block information propagation. *Information Sciences*, **2019**, 505, 100-126	7.7	7
162	**2019**,		5
161	**2019**,		17
160	Providing Reliability-Aware Virtualized Network Function Services for Mobile Edge Computing **2019**,		9
159	Online NFV-Enabled Multicasting in Mobile Edge Cloud Networks **2019**,		7
158	A Unified Spatio-Temporal Model for Short-Term Traffic Flow Prediction. *IEEE Transactions on Intelligent Transportation Systems*, **2019**, 20, 3212-3223	6.1	50
157	Efficient NFV-Enabled Multicasting in SDNs. *IEEE Transactions on Communications*, **2019**, 67, 2052-2070	6.9	37
156	Task Offloading with Network Function Requirements in a Mobile Edge-Cloud Network. *IEEE Transactions on Mobile Computing*, **2019**, 18, 2672-2685	4.6	39
155	Profit Maximization for Admitting Requests with Network Function Services in Distributed Clouds. *IEEE Transactions on Parallel and Distributed Systems*, **2019**, 30, 1143-1157	3.7	26
154	Routing Cost Minimization and Throughput Maximization of NFV-Enabled Unicasting in Software-Defined Networks. *IEEE Transactions on Network and Service Management*, **2018**, 15, 732-745	4.8	20
153	FACH **2018**,		1
152	Online unicasting and multicasting in software-defined networks. *Computer Networks*, **2018**, 132, 26-39	5.4	6
151	Efficient Detection of Overlapping Communities Using Asymmetric Triangle Cuts. *IEEE Transactions on Knowledge and Data Engineering*, **2018**, 1-1	4.2	6
150	Maximizing Sensor Lifetime with the Minimal Service Cost of a Mobile Charger in Wireless Sensor Networks. *IEEE Transactions on Mobile Computing*, **2018**, 17, 2564-2577	4.6	49
149	Efficient Embedding of Virtual Networks to Distributed Clouds via Exploring Periodic Resource Demands. *IEEE Transactions on Cloud Computing*, **2018**, 6, 694-707	3.3	13

148	Capacity of Cooperative Vehicular Networks With Infrastructure Support: Multiuser Case. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 1546-1560	6.8	111
147	**2018**,		11
146	Algorithms for Fault-Tolerant Placement of Stateful Virtualized Network Functions **2018**,		15
145	Charging Utility Maximization in Wireless Rechargeable Sensor Networks by Charging Multiple Sensors Simultaneously. *IEEE/ACM Transactions on Networking*, **2018**, 26, 1591-1604	3.8	70
144	Latency-Aware Reliable Controller Placements in SDNs. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 152-162	0.2	3
143	Delay-Sensitive Multiplayer Augmented Reality Game Planning in Mobile Edge Computing **2018**,		8
142	Online Revenue Maximization in NFV-Enabled SDNs **2018**,		10
141	**2018**,		5
140	Online Green Data Gathering from Geo-Distributed IoT Networks via LEO Satellites **2018**,		9
139	Throughput optimization for admitting NFV-enabled requests in cloud networks. *Computer Networks*, **2018**, 143, 15-29	5.4	23
138	Optimal Cloudlet Placement and User to Cloudlet Allocation in Wireless Metropolitan Area Networks. *IEEE Transactions on Cloud Computing*, **2017**, 5, 725-737	3.3	246
137	Maximizing Charging Satisfaction of Smartphone Users via Wireless Energy Transfer. *IEEE Transactions on Mobile Computing*, **2017**, 16, 990-1004	4.6	25
136	Charging utility maximization in wireless rechargeable sensor networks. *Wireless Networks*, **2017**, 23, 2069-2081	2.5	32
135	Efficient Algorithms for the Identification of Top-k Structural Hole Spanners in Large Social Networks. *IEEE Transactions on Knowledge and Data Engineering*, **2017**, 29, 1017-1030	4.2	25
134	Data Locality-Aware Big Data Query Evaluation in Distributed Clouds. *Computer Journal*, **2017**, 60, 791-809	1.3	5
133	Approximation and Online Algorithms for NFV-Enabled Multicasting in SDNs **2017**,		41
132	QoS-aware data replications and placements for query evaluation of big data analytics **2017**,		2
131	Approximation Algorithms for Charging Reward Maximization in Rechargeable Sensor Networks via a Mobile Charger. *IEEE/ACM Transactions on Networking*, **2017**, 25, 3161-3174	3.8	54

130	**2017**,		20
129	. *IEEE Transactions on Network and Service Management*, **2017**, 14, 631-645	4.8	13
128	Improving charging capacity for wireless sensor networks by deploying one mobile vehicle with multiple removable chargers. *Ad Hoc Networks*, **2017**, 63, 79-90	4.8	16
127	The operational cost minimization in distributed clouds via community-aware user data placements of social networks. *Computer Networks*, **2017**, 112, 263-278	5.4	15
126	QoS-Aware Task Offloading in Distributed Cloudlets with Virtual Network Function Services **2017**,		34
125	Throughput Maximization of NFV-Enabled Unicasting in Software-Defined Networks **2017**,		10
124	Incremental SDN-Enabled Switch Deployment for Hybrid Software-Defined Networks **2017**,		6
123	Collaboration- and Fairness-Aware Big Data Management in Distributed Clouds. *IEEE Transactions on Parallel and Distributed Systems*, **2016**, 27, 1941-1953	3.7	28
122	Cost Minimization for Rule Caching in Software Defined Networking. *IEEE Transactions on Parallel and Distributed Systems*, **2016**, 27, 1007-1016	3.7	42
121	**2016**,		33
120	Cloudlet load balancing in wireless metropolitan area networks **2016**,		112
119	Maximizing Sensor Lifetime in a Rechargeable Sensor Network via Partial Energy Charging on Sensors **2016**,		20
118	Maintaining Large-Scale Rechargeable Sensor Networks Perpetually via Multiple Mobile Charging Vehicles. *ACM Transactions on Sensor Networks*, **2016**, 12, 1-26	2.9	66
117	Efficient Scheduling of Multiple Mobile Chargers for Wireless Sensor Networks. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 7670-7683	6.8	66
116	Performance Analysis of Raptor Codes Under Maximum Likelihood Decoding. *IEEE Transactions on Communications*, **2016**, 64, 906-917	6.9	10
115	Efficient Algorithms for Capacitated Cloudlet Placements. *IEEE Transactions on Parallel and Distributed Systems*, **2016**, 27, 2866-2880	3.7	148
114	Minimizing the Service Cost of Mobile Chargers While Maintaining the Perpetual Operations of WRSNs **2016**, 389-431		
113	Network throughput maximization in unreliable wireless sensor networks with minimal remote data transfer cost. *Wireless Communications and Mobile Computing*, **2016**, 16, 1176-1191	1.9	2

112	Throughput Maximization in Software-Defined Networks with Consolidated Middleboxes **2016**,		14
111	Finding top-k influential users in social networks under the structural diversity model. *Information Sciences*, **2016**, 355-356, 110-126	7.7	17
110	Near-Optimal Routing Protection for In-Band Software-Defined Heterogeneous Networks. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 2918-2934	14.2	24
109	Operational cost minimization of distributed data centers through the provision of fair request rate allocations while meeting different user SLAs. *Computer Networks*, **2015**, 83, 59-75	5.4	29
108	Quality-Aware Target Coverage in Energy Harvesting Sensor Networks. *IEEE Transactions on Emerging Topics in Computing*, **2015**, 3, 8-21	4.1	39
107	. *IEEE Transactions on Computers*, **2015**, 64, 600-613	2.5	36
106	Identifying Top- k Structural Hole Spanners in Large-Scale Social Networks **2015**,		15
105	Data Collection Maximization in Renewable Sensor Networks via Time-Slot Scheduling. *IEEE Transactions on Computers*, **2015**, 64, 1870-1883	2.5	50
104	**2015**,		2
103	**2015**,		4
102	Capacitated cloudlet placements in Wireless Metropolitan Area Networks **2015**,		44
101	Collusion-Resistant Repeated Double Auctions for Relay Assignment in Cooperative Networks. *IEEE Transactions on Wireless Communications*, **2014**, 13, 1196-1207	9.6	12
100	Energy-efficient top-k query evaluation and maintenance in wireless sensor networks. *Wireless Networks*, **2014**, 20, 591-610	2.5	7
99	Remote monitoring cost minimization for an unreliable sensor network with guaranteed network throughput. *Information Processing in Agriculture*, **2014**, 1, 83-94	4.2	3
98	Online Algorithms for Location-Aware Task Offloading in Two-Tiered Mobile Cloud Environments **2014**,		35
97	Exploiting mobility for quality-maximized data collection in energy harvesting sensor networks **2014**,		2
96	On-demand energy replenishment for sensor networks via wireless energy transfer **2014**,		13
95	Data Locality-Aware Query Evaluation for Big Data Analytics in Distributed Clouds **2014**,		4

94	Maximizing charging throughput in rechargeable sensor networks **2014**,		34
93	Towards Perpetual Sensor Networks via Deploying Multiple Mobile Wireless Chargers **2014**,		24
92	Maintaining sensor networks perpetually via wireless recharging mobile vehicles **2014**,		4
91	Network lifetime maximization for time-sensitive data gathering in wireless sensor networks with a mobile sink. *Wireless Communications and Mobile Computing*, **2013**, 13, 1263-1280	1.9	19
90	The use of a mobile sink for quality data collection in energy harvesting sensor networks **2013**,		15
89	Approximation Algorithms for Capacitated Minimum Forest Problems in Wireless Sensor Networks with a Mobile Sink. *IEEE Transactions on Computers*, **2013**, 62, 1932-1944	2.5	32
88	Network lifetime maximization for time-sensitive data gathering in wireless sensor networks. *Computer Networks*, **2013**, 57, 1063-1077	5.4	13
87	Monitoring Quality Maximization through Fair Rate Allocation in Harvesting Sensor Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2013**, 24, 1827-1840	3.7	26
86	Throughput maximization for online request admissions in mobile cloudlets **2013**,		2
85	Efficiently computing k-edge connected components via graph decomposition **2013**,		70
84	Maximizing network throughput with minimal remote data transfer cost in unreliable wireless sensor networks **2013**,		1
83	Use of a Mobile Sink for Maximizing Data Collection in Energy Harvesting Sensor Networks **2013**,		26
82	Minimizing remote monitoring cost of wireless sensor networks **2013**,		5
81	Energy-efficient skyline query optimization in wireless sensor networks. *Wireless Networks*, **2012**, 18, 985-1004	2.5	7
80	Delay-tolerant data gathering in energy harvesting sensor networks with a mobile sink **2012**,		1
79	Maximizing network lifetime via 3G gateway assignment in dual-radio sensor networks **2012**,		2
78	Network Lifetime Maximization in Delay-Tolerant Sensor Networks with a Mobile Sink **2012**,		22
77	Constrained resource optimization in wireless sensor networks with mobile sinks **2012**,		4

76	. *IEEE Transactions on Multimedia*, **2012**, 14, 1442-1455	6.6	32
75	Aggregate node placement for maximizing network lifetime in sensor networks. *Wireless Communications and Mobile Computing*, **2012**, 12, 219-235	1.9	6
74	Finding maximal k-edge-connected subgraphs from a large graph **2012**,		50
73	Mobile Base Station and Clustering to Maximize Network Lifetime in Wireless Sensor Networks. *Journal of Electrical and Computer Engineering*, **2012**, 2012, 1-13	1.9	7
72	Collusion-resistant repeated double auctions for cooperative communications **2012**,		1
71	Constrained Resource Optimization in Large-Scale Wireless Sensor Networks with Mobile Sinks. *Journal of Communications*, **2012**, 7,	0.5	4
70	Network lifetime maximization in sensor networks with multiple mobile sinks **2011**,		26
69	Top-k query evaluation in sensor networks under query response time constraint. *Information Sciences*, **2011**, 181, 869-882	7.7	14
68	Data quality maximization in sensor networks with a mobile sink **2011**,		15
67	A Genetic Algorithm for joint resource allocation in Cooperative Cognitive Radio Networks **2011**,		1
66	Placing Optimal Number of Sinks in Sensor Networks for Network Lifetime Maximization **2011**,		25
65	Monitoring quality optimization in wireless sensor networks with a mobile sink **2011**,		12
64	Top-k Query Evaluation in Sensor Networks with the Guaranteed Accuracy of Query Results. *Lecture Notes in Computer Science*, **2011**, 156-171	0.9	2
63	Energy-aware online routing with QoS constraints in multi-rate wireless ad hoc networks **2010**,		2
62	Prolonging Network Lifetime via a Controlled Mobile Sink in Wireless Sensor Networks **2010**,		89
61	Cross-Layer Design for QoS Support in Wireless Multimedia Sensor Networks **2010**,		9
60	Energy-Aware Real-Time Opportunistic Routing for Wireless Ad Hoc Networks **2010**,		7
59	Energy-efficient top-k query processing in wireless sensor networks **2010**,		13

58	Online Time Interval Top-k Queries in Wireless Sensor Networks **2010**,		8
57	Progressive skyline query evaluation and maintenance in wireless sensor networks **2009**,		4
56	Online multicasting in WDM networks with shared light splitter bank. *Photonic Network Communications*, **2009**, 17, 1-9	1.7	4
55	Minimum-energy all-to-all multicasting in wireless ad hoc networks. *IEEE Transactions on Wireless Communications*, **2009**, 8, 5490-5499	9.6	25
54	Progressive Skyline Query Processing in Wireless Sensor Networks **2009**,		8
53	Prolonging network lifetime through the use of mobile base station in wireless sensor networks **2009**,		9
52	Response Time Constrained Top-k Query Evaluation in Sensor Networks **2008**,		5
51	Prolonging Network Lifetime for Target Coverage in Sensor Networks. *Lecture Notes in Computer Science*, **2008**, 212-223	0.9	2
50	Energy-efficient skyline query processing and maintenance in sensor networks **2008**,		14
49	Safety, domain independence and translation of complex value database queries. *Information Sciences*, **2008**, 178, 2507-2533	7.7	3
48	Deadline guaranteed packet scheduling for overloaded traffic in input-queued switches. *Theoretical Computer Science*, **2008**, 409, 477-485	1.1	3
47	Energy-Efficient Multiple Routing Trees for Aggregate Query Evaluation in Sensor Networks **2008**, 201-212		2
46	Computing Maximum Flows in Undirected Planar Networks with Both Edge and Vertex Capacities. *Lecture Notes in Computer Science*, **2008**, 577-586	0.9	1
45	Online Data Gathering for Maximizing Network Lifetime in Sensor Networks. *IEEE Transactions on Mobile Computing*, **2007**, 6, 2-11	4.6	89
44	On-line disjoint path routing for network capacity maximization in energy-constrained ad hoc networks. *Ad Hoc Networks*, **2007**, 5, 272-285	4.8	4
43	Flow equivalent trees in undirected node-edge-capacitated planar graphs. *Information Processing Letters*, **2006**, 100, 110-115	0.8	4
42	Approximate minimum-energy multicasting in wireless ad hoc networks. *IEEE Transactions on Mobile Computing*, **2006**, 5, 377-387	4.6	51
41	A general approach for all-to-all routing in multihop WDM optical networks. *IEEE/ACM Transactions on Networking*, **2006**, 14, 914-923	3.8	20

40	Online Multicasting for Network Capacity Maximization in Energy-Constrained Ad Hoc Networks. *IEEE Transactions on Mobile Computing*, **2006**, 5, 1215-1227	4.6	24
39	Delay Constrained Traffic Grooming in WDM Ring Networks. *Local Computer Networks (LCN), Proceedings of the IEEE Conference on*, **2006**,		1
38	On-Line Routing in WDM TDM Switched Optical Mesh Networks. *Photonic Network Communications*, **2006**, 11, 287-299	1.7	5
37	Approximate coverage in wireless sensor networks **2005**,		6
36	Finding multiple routing paths in wide-area WDM networks. *Computer Communications*, **2005**, 28, 811-818	0.1	0
35	On the minimum number of wavelengths in multicast trees in WDM networks. *Networks*, **2005**, 45, 42-48	1.6	2
34	Wavelength Rerouting in Survivable WDM Networks. *Lecture Notes in Computer Science*, **2005**, 431-442	0.9	1
33	Energy-Efficient Aggregate Query Evaluation in Sensor Networks. *Lecture Notes in Computer Science*, **2005**, 31-41	0.9	
32	Maximizing battery life routing in wireless ad hoc networks **2004**,		4
31	**2004**,		2
30	Safe Web Queries. *Lecture Notes in Computer Science*, **2004**, 677-686	0.9	
29	The minimum number of vertices with girth 6 and degree set D={r,m}. *Discrete Mathematics*, **2003**, 269, 249-258	0.7	11
28	Constructing minimum-energy broadcast trees in wireless ad hoc networks **2002**,		150
27	Permutation routing in all-optical product networks. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2002**, 49, 533-538		4
26	Finding the k most vital edges with respect to minimum spanning trees for fixed k. *Discrete Applied Mathematics*, **2001**, 113, 319-327	1	16
25	Very fast parallel algorithms for approximate edge coloring. *Discrete Applied Mathematics*, **2001**, 108, 227-238	1	2
24	Materialized view selection under the maintenance time constraint. *Data and Knowledge Engineering*, **2001**, 37, 203-216	1.5	28
23	Fully dynamic maintenance of k-connectivity in parallel. *IEEE Transactions on Parallel and Distributed Systems*, **2001**, 12, 846-864	3.7	5

22	Revisit on View Maintenance in Data Warehouses. *Lecture Notes in Computer Science*, **2001**, 203-211	0.9	
21	Range queries in dynamic OLAP data cubes. *Data and Knowledge Engineering*, **2000**, 34, 21-38	1.5	16
20	Improved lightpath (wavelength) routing in large WDM networks. *IEEE Transactions on Communications*, **2000**, 48, 1571-1579	6.9	14
19	Optimizing multiple dimensional queries simultaneously in multidimensional databases. *VLDB Journal*, **2000**, 8, 319-338	3.9	6
18	Maintaining Materialized Views for Data Warehouses with Multiple Remote Sources. *Lecture Notes in Computer Science*, **2000**, 299-311	0.9	1
17	Efficient refreshment of materialized views with multiple sources **1999**,		5
16	Making multiple views self-maintainable in a data warehouse. *Data and Knowledge Engineering*, **1999**, 30, 121-134	1.5	14
15	Permutation routing in all-optical product networks. *Lecture Notes in Computer Science*, **1999**, 831-844	0.9	1
14	On embedding between 2D meshes of the same size. *IEEE Transactions on Computers*, **1997**, 46, 880-889	2.5	12
13	Finding the k most vital edges in the minimum spanning tree problem. *Parallel Computing*, **1997**, 23, 1889-1907	1.2	12
12	Efficient enumeration of all minimal separators in a graph. *Theoretical Computer Science*, **1997**, 180, 169-180	1.1	19
11	Optimally routing LC permutations on k-extra-stage cube-type networks. *IEEE Transactions on Computers*, **1996**, 45, 97-103	2.5	6
10	NC algorithms for dynamically solving the all pairs shortest paths problem and related problems. *Information Processing Letters*, **1996**, 58, 149-155	0.8	1
9	Parallel Algorithms for the Edge-Coloring and Edge-Coloring Update Problems. *Journal of Parallel and Distributed Computing*, **1996**, 32, 66-73	4.4	4
8	Embedding K-ary Complete Trees into Hypercubes. *Journal of Parallel and Distributed Computing*, **1995**, 24, 100-106	4.4	13
7	Fast parallel algorithms for the approximate edge-coloring problem. *Information Processing Letters*, **1995**, 55, 333-338	0.8	2
6	Realization of an arbitrary permutation on a hypercube. *Information Processing Letters*, **1994**, 51, 237-243	0.8	8
5	Multicasting and broadcasting in large WDM networks		7

4		2
3	On-line multicast routing in WDM grooming networks	2
2	On-line disjoint path routing for network capacity maximization in ad hoc networks	1
1		1