Yunhao Liu

List of Publications by Year
in descending order

107 papers	4,832 citations	279798 23 h-index	276875 41 g-index
107 all docs	107 docs citations	107 times ranked	3423 citing authors

#	Article	IF	Citations
1	Indoor acoustic localization: a survey. Human-centric Computing and Information Sciences, 2020, 10, .	6.1	37
2	Exploiting Ubiquitous Data Collection for Mobile Users in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 312-326.	5.6	43
3	MoLoc: On Distinguishing Fingerprint Twins. , 2013, , .		51
4	Expandable and Cost-Effective Network Structures for Data Centers Using Dual-Port Servers. IEEE Transactions on Computers, 2013, 62, 1303-1317.	3.4	70
5	Exploiting Constructive Interference for Scalable Flooding in Wireless Networks. IEEE/ACM Transactions on Networking, 2013, 21, 1880-1889.	3.8	43
6	Footprints elicit the truth: Improving global positioning accuracy via local mobility. , 2013, , .		8
7	SenSmart: Adaptive Stack Management for Multitasking Sensor Networks. IEEE Transactions on Computers, 2013, 62, 137-150.	3.4	14
8	TriggerCas: Enabling wireless consrucive collisions. , 2013, , .		5
9	Message in a Sealed Bottle: Privacy Preserving Friending in Social Networks. , 2013, , .		36
10	Link Scheduling for Exploiting Spatial Reuse in Multihop MIMO Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1355-1365.	5.6	5
11	Link Scanner: Faulty link detection for wireless sensor networks. , 2013, , .		9
12	Verifiable private multi-party computation: Ranging and ranking. , 2013, , .		27
13	Mechanism design for finding experts using locally constructed social referral web. , 2012, , .		5
14	CitySee: Urban CO_2 monitoring with sensors. , 2012, , .		80
15	Towards energy-fairness in asynchronous duty-cycling sensor networks. , 2012, , .		39
16	Exploiting constructive interference for scalable flooding in wireless networks. , 2012, , .		12
17	L^2: Lazy forwarding in low duty cycle wireless sensor networks. , 2012, , .		10
18	Priv-Code: Preserving privacy against traffic analysis through network coding for multihop wireless networks. , 2012, , .		9

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19	Energy-Efficient Reverse Skyline Query Processing over Wireless Sensor Networks. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 1259-1275.	5.7	44
20	BloomCast: Efficient and Effective Full-Text Retrieval in Unstructured P2P Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 232-241.	5.6	17
21	WILL: Wireless indoor localization without site survey. , 2012, , .		32
22	Distributed Coverage in Wireless Ad Hoc and Sensor Networks by Topological Graph Approaches. IEEE Transactions on Computers, 2012, 61, 1417-1428.	3.4	17
23	A Survey of Green Mobile Networks: Opportunities and Challenges. Mobile Networks and Applications, 2012, 17, 4-20.	3.3	265
24	Privacy Leakage in Access Mode: Revisiting Private RFID Authentication Protocols. , 2011, , .		2
25	Rumor Riding: Anonymizing Unstructured Peer-to-Peer Systems. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 464-475.	5.6	34
26	&#x211B;<sup>2</sup>: Incremental &#x211B;eprogramming using &#x211B;elocatable code in networked embedded systems. , 2011, , .		3
27	Directional diagnosis for wireless sensor networks. , 2011, , .		4
28	Opportunistic concurrency: A MAC protocol for wireless sensor networks. , 2011, , .		6
29	Season: Shelving interference and joint identification in large-scale RFID systems. , 2011, , .		89
30	Location, Localization, and Localizability. Journal of Computer Science and Technology, 2010, 25, 274-297.	1.5	265
31	Multicast throughput for large scale cognitive networks. Wireless Networks, 2010, 16, 1945-1960.	3.0	6
32	Passive Diagnosis for Wireless Sensor Networks. IEEE/ACM Transactions on Networking, 2010, 18, 1132-1144.	3.8	169
33	Refresh: Weak Privacy Model for RFID Systems. , 2010, , .		41
34	Rendered Path: Range-Free Localization in Anisotropic Sensor Networks With Holes. IEEE/ACM Transactions on Networking, 2010, 18, 320-332.	3.8	182
35	False Negative Problem of Counting Bloom Filter. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 651-664.	5.7	48
36	DAWN: Energy efficient data aggregation in WSN with mobile sinks. , 2010, , .		27

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37	Revisting Tag Collision Problem in RFID Systems. , 2010, , .		9
38	Identification-free batch authentication for RFID tags. , 2010, , .		84
39	LISTEN: Non-interactive Localization in Wireless Camera Sensor Networks. , 2010, , .		3
40	TSS: Efficient Term Set Search in Large Peer-to-Peer Textual Collections. IEEE Transactions on Computers, 2010, 59, 969-980.	3.4	20
41	Distributed Coverage in Wireless Ad Hoc and Sensor Networks by Topological Graph Approaches. , 2010, , .		11
42	Iso-Map: Energy-Efficient Contour Mapping in Wireless Sensor Networks. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 699-710.	5.7	51
43	Understanding Node Localizability of Wireless Ad-hoc Networks. , 2010, , .		30
44	Fractured voronoi segments: Topology discovery for wireless sensor networks. , 2010, , .		1
45	Exploring the hidden connectivity in urban vehicular networks. , 2010, , .		14
46	ETOC: Obtaining robustness in component-based localization. , 2010, , .		7
47	Versatile Stack Management for Multitasking Sensor Networks. , 2010, , .		4
48	Beyond Triangle Inequality: Sifting Noisy and Outlier Distance Measurements for Localization. , 2010, , .		17
49	Difficulty-Aware Hybrid Search in Peer-to-Peer Networks. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 71-82.	5.6	18
50	Multicast Throughput of Hybrid Wireless Networks Under Gaussian Channel Model. , 2009, , .		8
51	BloomCast: Efficient Full-Text Retrieval over Unstructured P2Ps with Guaranteed Recall. , 2009, , .		1
52	Topological detection on wormholes in wireless ad hoc and sensor networks. , 2009, , .		13
53	Contour-cast: Location-free Data Dissemination and Discovery for Wireless Sensor Networks. , 2009, , .		0
54	RASPberry: A stable reader activation scheduling protocol in multi-reader RFID systems. , 2009, , .		36

#	Article	IF	Citations
55	Randomizing RFID private authentication. , 2009, , .		10
56	Joint Throughput Optimization for Wireless Mesh Networks. IEEE Transactions on Mobile Computing, 2009, 8, 895-909.	5.8	45
57	Virtual Surrounding Face Geocasting in Wireless Ad Hoc and Sensor Networks. IEEE/ACM Transactions on Networking, 2009, 17, 200-211.	3.8	30
58	WormCircle: Connectivity-Based Wormhole Detection in Wireless Ad Hoc and Sensor Networks. , 2009, , .		13
59	Run to Potential: Sweep Coverage in Wireless Sensor Networks. , 2009, , .		22
60	VOVO: VCR-Oriented Video-on-Demand in Large-Scale Peer-to-Peer Networks. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 528-539.	5.6	44
61	Canopy closure estimates with GreenOrbs. , 2009, , .		254
62	Arnetminer: expertise oriented search using social networks. Frontiers of Computer Science, 2008, 2, 94-105.	0.6	8
63	Signature-File-Based Approach for Query Answering Over Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 3146-3154.	6.3	3
64	Resource Allocation Using Multiple Edge-Sharing Multicast Trees. IEEE Transactions on Vehicular Technology, 2008, 57, 3178-3186.	6.3	6
65	Quality of Trilateration: Confidence Based Iterative Localization. , 2008, , .		35
66	Cardinality Estimation for Large-scale RFID Systems. , 2008, , .		100
67	A Two-Hop Solution to Solving Topology Mismatch. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 1591-1600.	5.6	35
68	Mutual Anonymity for Mobile P2P Systems. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 1009-1019.	5.6	17
69	MDS: Efficient Multi-dimensional Query Processing in Data-Centric WSNs. , 2008, , .		2
70	Nonthreshold-Based Event Detection for 3D Environment Monitoring in Sensor Networks. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 1699-1711.	5.7	53
71	Defending P2Ps from Overlay Flooding-based DDoS. Parallel Processing (ICPP), Proceedings of the International Symposium, 2007, , .	0.0	4
72	Pseudo Trust: Zero-Knowledge Based Authentication in Anonymous Peer-to-Peer Protocols. , 2007, , .		9

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73	Non-Threshold based Event Detection for 3D Environment Monitoring in Sensor Networks. , 2007, , .		46
74	Difficulty-aware Hybrid Search in Peer-to-Peer Networks. Parallel Processing (ICPP), Proceedings of the International Symposium, 2007, , .	0.0	10
75	Popularity Adaptive Search in Hybrid P2P Systems. , 2007, , .		2
76	VIRE: Active RFID-based Localization Using Virtual Reference Elimination. Parallel Processing (ICPP), Proceedings of the International Symposium, 2007, , .	0.0	147
77	Dynamic Key-Updating: Privacy-Preserving Authentication for RFID Systems. , 2007, , .		93
78	Mining Frequent Trajectory Patterns for Activity Monitoring Using Radio Frequency Tag Arrays. , 2007, , .		92
79	Iso-Map: Energy-Efficient Contour Mapping in Wireless Sensor Networks. , 2007, , .		53
80	Gradient Boundary Detection for Time Series Snapshot Construction in Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2007, 18, 1462-1475.	5.6	33
81	S-Club: an overlay-based efficient service discovery mechanism in CROWN Grid. Knowledge and Information Systems, 2007, 12, 55-75.	3.2	8
82	Access Control Policy Negotiation for Remote Hot-Deployed Grid Services. , 2007, , 127-148.		0
83	A design of overlay anonymous multicast protocol. , 2006, , .		3
84	Rumor Riding: Anonymizing Unstructured Peer-to-Peer Systems. , 2006, , .		28
85	RCT: A Self-Adaptive Overlay for Efficient Computational Resource Discovery in Grid Systems. , 2006, , .		1
86	Effectively utilizing global cluster memory for large data-intensive parallel programs. IEEE Transactions on Parallel and Distributed Systems, 2006, 17, 66-77.	5.6	15
87	A Framework to Provide Trust and Incentive in CROWN Grid for Dynamic Resource Management. Computer Communications and Networks (IC3N), Proceedings of the IEEE International Conference on, 2006, , .	0.0	4
88	VoIP Aggregation in Wireless Backhaul Networks. , 2006, , .		5
89	Improving Query Response Delivery Quality in Peer-to-Peer Systems. IEEE Transactions on Parallel and Distributed Systems, 2006, 17, 1335-1347.	5.6	9
90	S-Club: an overlay based efficient service discovery mechanism in CROWN grid. , 2005, , .		2

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91	Improving Unstructured Peer-to-Peer Systems by Adaptive Connection Establishment. IEEE Transactions on Computers, 2005, 54, 1091-1103.	3.4	68
92	Efficient information service management using service club in CROWN Grid. , 2005, , .		8
93	Location awareness in unstructured peer-to-peer systems. IEEE Transactions on Parallel and Distributed Systems, 2005, 16, 163-174.	5.6	142
94	Dynamic layer management in superpeer architectures. IEEE Transactions on Parallel and Distributed Systems, 2005, 16, 1078-1091.	5.6	80
95	LANDMARC: Indoor Location Sensing Using Active RFID. Wireless Networks, 2004, 10, 701-710.	3.0	1,155
96	Building Efficient Overlays. Journal of Grid Computing, 2004, 2, 183-192.	3.9	1
97	Provide Privacy for Mobile P2P Systems. , 0, , .		5
98	Approaching Optimal Peer-to-Peer Overlays. , 0, , .		1
99	Access Control in Peer-to-Peer Collaborative Systems. , 0, , .		16
100	Resource allocation using multiple edgesharing multicast trees. , 0, , .		2
101	OpenSPACE: An Open Service Provisioning and Consuming Environment for Grid Computing. , 0, , .		4
102	Distributed Access Control in CROWN Groups. , 0, , .		7
103	Access Control Policy Negotiation for Remote Hot-deployed Grid Services. , 0, , .		4
104	TruGrid: A Self-Sustaining Trustworthy Grid. , 0, , .		5
105	Efficient data retrieving in distributed data-streaming environments. , 0, , .		0
106	IPR: Automated Interaction Process Reconciliation. , 0, , .		0
107	A Mutual Anonymous Peer-to-Peer Protocol Design. , 0, , .		12