Shueng Han Gary Chan

List of Publications by Year
in descending order

61	2,062	623734	642732
papers	citations	14	23
		h-index	g-index

62	62	62	1942
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Implicit Multimodal Crowdsourcing for Joint RF and Geomagnetic Fingerprinting. IEEE Transactions on Mobile Computing, 2023, 22, 935-950.	5.8	3
2	vContact: Private WiFi-Based IoT Contact Tracing With Virus Lifespan. IEEE Internet of Things Journal, 2022, 9, 3465-3480.	8.7	16
3	Tackling Multipath and Biased Training Data for IMU-Assisted BLE Proximity Detection. , 2022, , .		5
4	An Approximation Algorithm to Maximize User Capacity for an Auto-Scaling VoD System. IEEE Transactions on Multimedia, 2021, 23, 3714-3725.	7.2	4
5	Joint Client Association and Random Access Control for MU-MIMO WLANs. IEEE Transactions on Mobile Computing, 2020, 19, 2818-2832.	5.8	2
6	Maxlifd: Joint Maximum Likelihood Localization Fusing Fingerprints and Mutual Distances. IEEE Transactions on Mobile Computing, 2019, 18, 602-617.	5.8	20
7	Efficient Locality Classification for Indoor Fingerprint-Based Systems. IEEE Transactions on Mobile Computing, 2019, 18, 290-304.	5.8	17
8	DeepNavi. , 2019, 3, 1-24.		8
9	Crowd Counting on Images with Scale Variation and Isolated Clusters. , 2019, , .		17
10	Distributed Joint AP Grouping and User Association for MU-MIMO Networks. , 2018, , .		3
11	SLAC: Calibration-Free Pedometer-Fingerprint Fusion for Indoor Localization. IEEE Transactions on Mobile Computing, 2018, 17, 1176-1189.	5.8	36
12	Toward Practical Deployment of Fingerprint-Based Indoor Localization. IEEE Pervasive Computing, 2017, 16, 76-83.	1.3	7
13	Towards Crowdsourced Signal Map Construction via Implicit Interaction of IoT Devices. , 2017, , .		8
14	INTRI: Contour-Based Trilateration for Indoor Fingerprint-Based Localization. IEEE Transactions on Mobile Computing, 2017, 16, 1676-1690.	5.8	34
15	Indoor Localization and Automatic Fingerprint Update with Altered AP Signals. IEEE Transactions on Mobile Computing, 2017, 16, 1897-1910.	5.8	88
16	An approximation algorithm for AP association under user migration cost constraint. , 2016, , .		18
17	Towards area classification for large-scale fingerprint-based system. , 2016, , .		14
18	Tilejunction: Mitigating Signal Noise for Fingerprint-Based Indoor Localization. IEEE Transactions on Mobile Computing, 2016, 15, 1554-1568.	5.8	49

#	Article	IF	Citations
19	Overlay construction for mobile peer-to-peer video broadcasting. Peer-to-Peer Networking and Applications, 2016, 9, 1060-1073.	3.9	2
20	Wi-Fi Fingerprint-Based Indoor Positioning: Recent Advances and Comparisons. IEEE Communications Surveys and Tutorials, 2016, 18, 466-490.	39.4	968
21	Calibration-free fusion of step counter and wireless fingerprints for indoor localization. , 2015, , .		29
22	Peer-to-peer error recovery for wireless video broadcasting. Peer-to-Peer Networking and Applications, 2015, 8, 822-834.	3.9	1
23	Fusing noisy fingerprints with distance bounds for indoor localization. , 2015, , .		49
24	Delay optimization for Multi-source Multi-channel Overlay live Streaming. , 2015, , .		9
25	Contour-based Trilateration for Indoor Fingerprinting Localization. , 2015, , .		46
26	Sectjunction: Wi-Fi indoor localization based on junction of signal sectors. , 2014, , .		37
27	Topology optimization for wireless mesh with directional antennas. , 2014, , .		0
28	Optimizing router placement for wireless mesh deployment. , 2014, , .		2
29	Optimizing video-on-demand with source coding. , 2013, , .		0
30	Achieving high-bitrate overlay live streaming with proxy helpers. , 2012, , .		1
31	LP-based optimization of storage and retrieval for distributed video-on-demand. , 2012, , .		0
32	Joint topology control and routing assignment for wireless mesh with directional antennas. , 2012, , .		9
33	Scalable Real-Time Monitoring for Distributed Applications. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 2330-2337.	5.6	8
34	CACAO: Distributed Client-Assisted Channel Assignment Optimization for Uncoordinated WLANs. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1433-1440.	5.6	34
35	LocalTree: An Efficient Algorithm for Mobile Peer-to-Peer Live Streaming. , 2011, , .		11
36	A Distributed Channel Assignment Algorithm for Uncoordinated WLANs. , 2010, , .		12

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37	Collaborative ISP-CP Live Streaming. , 2010, , .		0
38	Optimizing Substream Scheduling for Peer-to-Peer Live Streaming. , 2010, , .		2
39	Edge-Directed Error Concealment. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 382-395.	8.3	57
40	Proxy-P2P Streaming under the Microscope: Fine-Grain Measurement of a Configurable Platform. , 2010, , .		6
41	A Distributed Protocol to Serve Dynamic Groups for Peer-to-Peer Streaming. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 216-228.	5.6	1
42	Optimal Bandwidth Assignment for Multiple Description Coding in Media Streaming. , 2009, , .		3
43	Pattern-Push: A low-delay mesh-push scheduling for live peer-to-peer streaming. , 2009, , .		10
44	Low-delay mesh with peer churns for peer-to-peer streaming. , 2009, , .		4
45	Optimizing segment caching for peer-to-peer on-demand streaming. , 2009, , .		4
46	Error Resilient Video Coding Using B Pictures in H.264. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 1448-1461.	8.3	2
47	Peer-to-peer multimedia streaming [Guest Editorial]. , 2007, 45, 84-85.		0
48	Broadcast-Based Peer-to-Peer Collaborative Video Streaming Among Mobiles. IEEE Transactions on Broadcasting, 2007, 53, 350-361.	3.2	85
49	BOPPER: Wireless Video Broadcasting with Peer-to-Peer Error Recovery. , 2007, , .		19
50	VMesh: Distributed Segment Storage for Peer-to-Peer Interactive Video Streaming. IEEE Journal on Selected Areas in Communications, 2007, 25, 1717-1731.	14.0	127
51	COSMOS: Peer-to-Peer Collaborative Streaming Among Mobiles. , 2006, , .		10
52	Offering Differentiated Services in Peer-to-Peer Multimedia Multicast. , 2006, , .		2
53	Network Topology Inference Based on End-to-End Measurements. IEEE Journal on Selected Areas in Communications, 2006, 24, 2182-2195.	14.0	43
54	Supporting Multiple-Keyword Search in A Hybrid Structured Peer-to-Peer Network. , 2006, , .		11

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55	Distributed Storage to Support User Interactivity in Peer-to-Peer Video Streaming. , 2006, , .		19
56	Low-Complexity Rate Control for Efficient H.263 to H.264/AVC Video Transcoding. , 2006, , .		5
57	Detecting Malicious Hosts in the Presence of Lying Hosts in Peer-to-Peer Streaming. , 2006, , .		11
58	Motion Estimation for H.264/AVC using Programmable Graphics Hardware. , 2006, , .		24
59	A FRAMEWORK TO RELIEVE WIRELESS HOT-SPOT CONGESTION BY MEANS OF AD HOC CONNECTIONS. , 2003, , .		3
60	DEVELOPING PDA FOR LOW-BITRATE LOW-DELAY VIDEO DELIVERY. , 2003, , .		1
61	Multicasting in WDM networks. IEEE Communications Surveys and Tutorials, 2002, 4, 2-20.	39.4	46